II. Influent and Effluent Data Summary.

The results of all analyses performed on the WWTP influent and effluent are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated. Graphs of monthly averages are presented.

- A. Influent and Effluent Data Summaries
- B. Influent and Effluent Graphs
- C. 6-Year Tables
- D. Daily Values of Selected Parameters

| Constituent/Property | Benchmarks | 2001 | 2001 | |
|--|------------------------------|----------------------------|---------------|----------------------|
| | | Mass Emissions | Concentration | |
| | (mt/yr) | (mt/yr) | | Units |
| Flow (MGD) | | | 174.8 | MGD |
| Suspended Solids | - | 10,392 | 43 | mg/L |
| BOD | - | 22,717 | 94 | mg/L |
| Arsenic | 0.88 | 0.19 | 0.8 | ug/L |
| Cadmium | 1.4 | 0.02 | 0.1 | ug/L |
| Chromium | 14.2 | 0.36 | 1.5 | ug/L |
| Copper | 26 | 28 | 114 | ug/L |
| Lead | 14.2 | 0.00 | 0 | ug/L |
| Mercury | 0.19 | 0.00 | 0 | ug/L |
| Nickel | 11.3 | 0.00 | 0 | ug/L |
| Selenium | 0.44 | 0.27 | 1.12 | ug/L |
| Silver | 2.8 | 0.15 | 0.6 | ug/L |
| Zinc | 18.3 | 7.7 | 32 | ug/L |
| cyanide | 0.57 | 0.63 | 0.0026 | mg/L |
| Residual Chlorine | | | | 0 |
| Ammonia | 8018 | 6,767 | 28 | mg/L |
| Non-Chor. Phenols | 2.57 | 2.7 | 11.0 | ug/L |
| Chlorinated Phenols | 1.73 | 0.0 | 0.0 | ug/L |
| Endosulfan | 0.006 | 0 | 0 | ng/L |
| Endrin | 0.008 | 0 | 0 | ng/L |
| hexachlorocyclohexanes *(HCH) | 0.025 | 0.0039 | 16.0 | ng/L |
| * (all as Lindane) | | | | 8, |
| | | | | |
| LIMITATIONS FOR PROTECTION OF H | IUMAN HEALTHNON | ICARCINOGENS | | |
| Acrolein | 17.6 | 0.0000 | 0 | ug/L |
| Antimony | 56.6 | 5.32 | 22 | ug/L |
| Bis(2-chloroethoxy) methane | 1.5 | 0.0000 | 0 | ug/L |
| Bis(2-chloroisopropyl) ether | 1.61 | 0.0000 | 0 | ug/L |
| Chlorobenzene | 1.7 | 0.0000 | 0 | ug/L |
| Chromium (III) | | | | |
| di-n-butyl phthalate | 1.33 | 0.0000 | 0 | ug/L |
| dichlorobenzenes | 2.8 | 0.0000 | 0 | ug/L |
| 1,1-dichloroethylene | 0.79 | 0.0000 | 0 | ug/L |
| Diethyl phthalate | 6.23 | 0.9425 | 3.9 | ug/L |
| Dimethyl phthalate | 1.59 | 0.0000 | 0 | ug/L |
| 4,6-dinitro-2-methylphenol | 6.8 | 0.0000 | 0 | ug/L |
| 2,4-dinitrophenol | 11.9 | 0.0000 | 0 | ug/L |
| Ethylbenzene | 2.04 | 0.0000 | 0 | ug/L |
| Fluoranthene | 0.62 | 0.0000 | 0 | ug/L |
| Hexachlorocyclopentadiene | - | 0.0000 | 0 | ug/L |
| | | 0.0000 | 0 | ug/L |
| | 0.71 | | | - |
| Isophorone | 0.71 | 0.000 | 0 | $11\sigma/L$ |
| Isophorone Nitrobenzene | 2.07 | 0.0000 | 0 | ug/L |
| Isophorone Nitrobenzene Thallium | 2.07 36.8 | 0.0000 | 0 | ug/L |
| Isophorone Nitrobenzene Thallium Toluene | 2.07 36.8 3.31 | 0.0000 0.5075 | 0 2.1 | ug/L ug/L |
| Isophorone Nitrobenzene Thallium Toluene 1,1,2,2-tetrachloroethane | 2.07 36.8 3.31 1.95 | 0.0000 0.5075 0.0000 | 0 2.1 0 | ug/L ug/L ug/L |
| Isophorone Nitrobenzene Thallium Toluene | 2.07 36.8 3.31 | 0.0000 0.5075 | 0 2.1 | ug/L ug/L |

Mass Emissions of Effluent Using 2001 Monthly Averages DISCHARGE SPECIFICATIONS from NPDES Permit No. CA0107409/RWQCB Order No. 95-106 effective on

I:\REPORTS\PT_LOMA\Annuals\Annual2001\Annual2001.wpd

| Constituent/Property | Benchmarks | 2001 | 2001 | |
|--------------------------------------|------------|----------------|---------------|-------|
| | | Mass Emissions | Concentration | |
| | (mt/yr) | (mt/yr) | | Units |
| LIMITATIONS FOR PROTECTION OF HUM | | | T | |
| Acrylonitrile | 5.95 | 0.0000 | 0 | ug/L |
| Aldrin | 0.006 | 0.0000 | 0 | ng/L |
| Benzene | 1.25 | 0.0000 | 0 | ug/L |
| Benzidine | 12.5 | 0.0000 | 0 | ug/L |
| Beryllium | 1.42 | 0.0000 | 0 | ug/L |
| Bis(2-chloroethyl)ether | 1.61 | 0.0000 | 0 | ug/L |
| Bis(2-ethylhexyl)phthalate | 2.89 | 0.41 | 1.7 | ug/L |
| Carbon Tetrachloride | 0.79 | 0.0000 | 0 | ug/L |
| Chlordane | 0.014 | 0.0000 | 0 | ng/L |
| Chloroform | 2.19 | 1.79 | 7.4 | ug/L |
| DDT | 0.043 | 0.0000 | 0 | ng/L |
| 1,4-dichlorobenzene | 1.25 | 0.0000 | 0 | ug/L |
| 3,3-dichlorobenzidine | 4.67 | 0.0000 | 0 | ug/L |
| 1,2-dichloroethane | 0.79 | 0.0000 | 0 | ug/L |
| Dichloromethane (methylene chloride) | 13.7 | 0.7250 | 3 | ug/L |
| 1,3-dichloropropene | 1.42 | 0.0000 | 0 | ug/L |
| Dieldrin | 0.011 | 0.0000 | 0 | ng/L |
| 2,4-dinitrotoluene | 1.61 | 0.0000 | 0 | ug/L |
| 1,2-diphenylhydrazine | 1.52 | 0.0000 | 0 | ug/L |
| Halomethanes | 5.86 | 1.0150 | 4.2 | ug/L |
| Heptachlor | 0.025 | 0.0000 | 0 | ng/L |
| Hexachlorobenzene | 0.54 | 0.0000 | 0 | ug/L |
| Hexachlorobutadiene | 0.054 | 0.0000 | 0 | ug/L |
| Hexachloroethane | 1.13 | 0.0000 | 0 | ug/L |
| N-nitrosodimethylamine | 0.76 | 0.0000 | 0 | ug/L |
| N-nitrosodiphenylamine | 1.47 | 0.0000 | 0 | ug/L |
| PAHs | 15.45 | 0.0000 | 0 | ug/L |
| PCBs | 0.275 | 0.0000 | 0 | ng/L |
| TCDD equivalents | | 0.000000249 | 0.103 | pg/L |
| Tetrachloroethylene | 4 | 0.2900 | 1.2 | ug/L |
| Toxaphene | 0.068 | 0.0000 | 0 | ng/L |
| Trichloroethylene | 1.56 | 0.0000 | 0 | ug/L |
| 2,4,6-trichlorophenol | 0.96 | 0.0000 | 0 | ug/L |
| Vinyl Chloride | 0.4 | 0.0000 | 0 | ug/L |

A. Influent and Effluent Data Summaries.

The results of all analyses performed on the WWTP influent and effluent are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated.

Diagram of Pt. Loma WWTP

BOA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL From 01-JAN-2001 To 31-DEC-2001

| | | Biochem | | en Demand ur compos: | Concentra | tion |
|------------------|-----------|------------|-----------|-------------------------|------------|----------|
| | | Daily | Daily | Daily | Daily | |
| | | | | Effluent | | Removal |
| | | Value | Value | | Value | BOD |
| | Flow | (mg/L) | (lbs/Day) | (mg/L) | (lbs/Day) | (%) |
| | ========= | | | | | ======= |
| JANUARY -2001 | 180.3 | 238 | 357881 | 82 | 123304 | 65.5 |
| FEBRUARY -2001 | 184.3 | 230 | 353524 | 96 | 147558 | 58.3 |
| MARCH -2001 | 184.1 | 235 | 360818 | 106 | 162752 | 54.9 |
| APRIL -2001 | 174.9 | 271 | 395298 | 95 | 138573 | 64.9 |
| MAY -2001 | 171.3 | 278 | 397162 | 101 | 144293 | 63.7 |
| JUNE -2001 | 170.6 | 251 | 357124 | 94 | 133744 | 62.5 |
| JULY -2001 | 171.8 | 266 | 381128 | 96 | 137550 | 63.9 |
| AUGUST -2001 | 173.4 | 263 | 380339 | 101 | 146062 | 61.6 |
| SEPTEMBER-2001 | 172.6 | 259 | 372826 | 94 | 135311 | 63.7 |
| OCTOBER -2001 | 170.2 | 255 | 361964 | 90 | 127752 | 64.7 |
| NOVEMBER -2001 | 171.9 | 258 | 369881 | 82 | 117559 | 68.2 |
| DECEMBER -2001 | 171.6 | 243 | 347768 | 88 | 125941 | 63.8 |
| ================ | ========= | ========== | ========= | ========== | ========== | ======== |
| Average | 174.8 | 254 | 369643 | 94 | 136700 | 63.0 |

Annual Mass Emissions are calculated from monthly averages of flow and BOD, whereas Monthly Report average mass emissions are calculated from average daily mass emissions.

| | | | | Tot | al Suspen | ded Solid | s Concenti | ration | | | |
|----------------|-------|----------|----------|----------|-----------|-----------|------------|----------|----------|----------|---------|
| | | | | | (24- | hour comp | osite) | | | | |
| | | Daily | Daily | Percent | Daily | Daily | Daily | Percent | Daily | Percent | Percent |
| | | Influent | Influent | Removal | Influent | Effluent | Effluent | Removal | Effluent | Removal | Removal |
| | | Value | Volatile | VSS | Value | Value | Volatile | VSS | Value | TSS | VSS |
| | Flow | (mg/L) | (mg/L) | (%) | (lbs/Day) | (mg/L) | (mg/L) | (%)(| lbs/Day) | (%) | (%) |
| | | | | ======== | | | | ======== | | ======== | ======= |
| JANUARY -2001 | 180.3 | 286 | 233 | 81.5 | 430059 | 33 | 24 | 72.7 | 49622 | 88.5 | 89.7 |
| FEBRUARY -2001 | 184.3 | 273 | 222 | 81.3 | 419618 | 37 | 26 | 70.3 | 56871 | 86.4 | 88.3 |
| MARCH -2001 | 184.1 | 268 | 219 | 81.7 | 411486 | 40 | 28 | 70.0 | 61416 | 85.1 | 87.2 |
| APRIL -2001 | 174.9 | 275 | 226 | 82.2 | 401133 | 41 | 30 | 73.2 | 59805 | 85.1 | 86.7 |
| MAY -2001 | 171.3 | 281 | 232 | 82.6 | 401448 | 42 | 31 | 73.8 | 60003 | 85.1 | 86.6 |
| JUNE -2001 | 170.6 | 281 | 233 | 82.9 | 399808 | 44 | 33 | 75.0 | 62603 | 84.3 | 85.8 |
| JULY -2001 | 171.8 | 275 | 225 | 81.8 | 394023 | 46 | 35 | 76.1 | 65909 | 83.3 | 84.4 |
| AUGUST -2001 | 173.4 | 273 | 224 | 82.1 | 394801 | 47 | 36 | 76.6 | 67969 | 82.8 | 83.9 |
| SEPTEMBER-2001 | 172.6 | 272 | 224 | 82.4 | 391540 | 50 | 38 | 76.0 | 71974 | 81.6 | 83.0 |
| OCTOBER -2001 | 170.2 | 267 | 221 | 82.8 | 378998 | 50 | 39 | 78.0 | 70973 | 81.3 | 82.4 |
| NOVEMBER -2001 | 171.9 | 273 | 225 | 82.4 | 391385 | 43 | 34 | 79.1 | 61647 | 84.2 | 84.9 |
| DECEMBER -2001 | 171.6 | 275 | 225 | 81.8 | 393565 | 38 | 28 | 73.7 | 54383 | 86.2 | 87.6 |
| | | | | | | | | | | | |
| Average | 174.8 | 275 | 226 | | 400655 | 43 | 32 | | 61931 | 84.5 | 85.9 |

Total Suspended Solids Concentratio

Annual Mass Emissions are calculated from monthly averages of flow and TSS, wheras Monthly Report average mass emissions are calculated from average daily mass emissions.

POINT LOMA WASTEWATER TREATMENT PLANT

Annual Systemwide BOD Removals

From 01-JAN-2001 To 31-DEC-2001

| | Pt. Loma | PS64 | Penasquitos | N_Return | Pt. Loma | Monthly | Pt. Loma |
|-----------|--------------|--------------|--------------|--------------|--------------|------------|----------|
| | Influent | Influent | Influent | Stream | Effluent | Systemwide | Daily |
| | Mass Emis. | Percent | Percent |
| Date | Contribution | Contribution | Contribution | Contribution | Contribution | Removal | Removal |
| | | | | | | | |
| JANUARY | 357881 | 32344 | 15734 | 24391 | 123304 | 67.7 | 65.5 |
| FEBRUARY | 353524 | 28003 | 11545 | 21632 | 147558 | 60.3 | 58.3 |
| MARCH | 360818 | 24559 | 14138 | 19444 | 162752 | 57.2 | 54.9 |
| APRIL | 395298 | 25288 | 13615 | 19955 | 138573 | 66.5 | 64.9 |
| MAY | 397162 | 27207 | 14221 | 20392 | 144293 | 65.5 | 63.7 |
| JUNE | 357124 | 28552 | 14880 | 15221 | 133744 | 65.3 | 62.5 |
| JULY | 381128 | 33165 | 8366 | 13588 | 137550 | 66.4 | 63.9 |
| AUGUST | 380339 | 27259 | 13033 | 9612 | 146062 | 64.5 | 61.6 |
| SEPTEMBER | 372826 | 28140 | 9755 | 10347 | 135311 | 66.2 | 63.7 |
| OCTOBER | 361964 | 27134 | 12521 | 14000 | 127752 | 67.0 | 64.7 |
| NOVEMBER | 369881 | 32778 | 8614 | 19042 | 117559 | 70.0 | 68.2 |
| DECEMBER | 347768 | 26927 | 11311 | 13742 | 125941 | 66.2 | 63.8 |
| | | | | | | | |
| Average | 369643 | 28446 | 12311 | 16780@ | 136700 | 65.2 | 63.0 |

@=These mass emissions may be as much as two times the actual amount returned. See the additional data in the "System Wide Removal Sampling System Evaluation Progress," in this report.

Annual Systemwide TSS Removals

From 01-JAN-2001 To 31-DEC-2001

| | Pt. Loma | PS64 | Penasquitos | N_Return | Pt. Loma | Monthly | Pt. Loma |
|------------------|--------------|--------------|--------------|--------------|--------------|------------|----------|
| | Influent | Influent | Influent | Stream | Effluent | Systemwide | Daily |
| | Mass Emis. | Percent | Percent |
| Date | Contribution | Contribution | Contribution | Contribution | Contribution | Removal | Removal |
| ================ | | | | | | ========== | |
| JANUARY | 430059 | 35791 | 18345 | 32134 | 49622 | 89.0 | 88.5 |
| FEBRUARY | 419618 | 30470 | 13201 | 35991 | 56871 | 86.7 | 86.4 |
| MARCH | 411486 | 26554 | 16158 | 22232 | 61416 | 85.8 | 85.1 |
| APRIL | 401133 | 24411 | 15620 | 24803 | 59805 | 85.6 | 85.1 |
| MAY | 401448 | 27466 | 18420 | 26822 | 60003 | 85.7 | 85.1 |
| JUNE | 399808 | 29094 | 19103 | 26692 | 62603 | 85.1 | 84.3 |
| JULY | 394023 | 34919 | 11141 | 26671 | 65909 | 84.1 | 83.3 |
| AUGUST | 394801 | 30530 | 17859 | 19078 | 67969 | 84.0 | 82.8 |
| SEPTEMBER | 391540 | 29778 | 12861 | 18713 | 71974 | 82.7 | 81.6 |
| OCTOBER | 378998 | 28730 | 17352 | 18752 | 70973 | 82.5 | 81.3 |
| NOVEMBER | 391385 | 34953 | 10738 | 30104 | 61647 | 84.9 | 84.2 |
| DECEMBER | 393565 | 27500 | 14244 | 17411 | 54383 | 87.0 | 86.2 |
| | | | | | | | |
| Average | 400655 | 30016 | 15420 | 24950@ | 61931 | 85.3 | 84.5 |

@=These mass emissions may be as much as two times the actual amount returned. See the additional data in the "System Wide Removal Sampling System Evaluation Progress," in this report.

From 01-JAN-2001 To 31-DEC-2001

| | | | Ef | fluent to Ocea | n Outfall | | |
|---|------|------------|-------------|----------------|-------------|--------------|-----------|
| | | | | (PLE) | | | |
| | | | Biochemical | Oil | | | |
| | | Settleable | Oxygen | & | | Floating | |
| | pН | Solids | Demand | Grease | Temperature | Particulates | Turbidity |
| | | (ml/L) | (mg/L) | (mg/L) | (C) | (mg/L) | (NTU) |
| ======================================= | | | | | ========= | =========== | |
| JANUARY -2001 | 7.35 | <0.1 | 82 | 6.3 | 21.5 | 0.15 | 31 |
| FEBRUARY -2001 | 7.30 | <0.1 | 96 | 8.8 | 21.1 | 0.19 | 36 |
| MARCH -2001 | 7.30 | 0.1 | 106 | 8.2 | 21.7 | 0.21 | 38 |
| APRIL -2001 | 7.30 | 0.1 | 95 | 8.8 | 22.6 | 0.10 | 43 |
| MAY -2001 | 7.33 | 0.1 | 101 | 8.8 | 23.9 | 0.10 | 43 |
| JUNE -2001 | 7.31 | 0.2 | 94 | 9.4 | 25.3 | 0.11 | 43 |
| JULY -2001 | 7.32 | 0.1 | 96 | 10.3 | 26.2 | 0.17 | 42 |
| AUGUST -2001 | 7.36 | 0.2 | 101 | 9.6 | 26.6 | 0.12 | 42 |
| SEPTEMBER-2001 | 7.37 | 0.1 | 94 | 8.8 | 26.8 | <0.10 | 44 |
| OCTOBER -2001 | 7.36 | 0.1 | 90 | 8.6 | 26.0 | <0.10 | 44 |
| NOVEMBER -2001 | 7.32 | 0.1 | 82 | 7.9 | 24.4 | <0.10 | 39 |
| DECEMBER -2001 | 7.27 | 0.1 | 88 | 9.2 | 22.3 | <0.10 | 39 |
| ======================================= | | ========== | ========== | ========== | | =========== | |
| Average | 7.32 | 0.1 | 94 | 8.7 | 24.0 | 0.10 | 40 |

| | | | | Influent to | Plant |
|------------------|------------|------------|-------------|-------------|-------------|
| | | | | (PLR) | |
| | | | Biochemical | Oil | |
| | | Settleable | Oxygen | & | |
| | рH | Solids | Demand | Grease | Temperature |
| | | (ml/L) | (mg/L) | (mg/L) | (C) |
| ================ | ========== | ========== | =========== | ========== | ========== |
| JANUARY -2001 | 7.41 | 8.44 | 238 | 25.6 | 21.4 |
| FEBRUARY -2001 | 7.35 | 8.41 | 230 | 30.0 | 20.9 |
| MARCH -2001 | 7.34 | 9.48 | 235 | 27.7 | 21.7 |
| APRIL -2001 | 7.34 | 8.76 | 271 | 30.2 | 22.4 |
| MAY -2001 | 7.33 | 9.58 | 278 | 33.9 | 23.8 |
| JUNE -2001 | 7.36 | 9.75 | 251 | 36.5 | 25.1 |
| JULY -2001 | 7.35 | 9.37 | 266 | 33.6 | 25.8 |
| AUGUST -2001 | 7.36 | 10.50 | 263 | 39.8 | 26.8 |
| SEPTEMBER-2001 | 7.37 | 10.10 | 259 | 30.9 | 26.6 |
| OCTOBER -2001 | 7.41 | 9.34 | 255 | 35.2 | 25.6 |
| NOVEMBER -2001 | 7.42 | 8.96 | 258 | 30.8 | 24.3 |
| DECEMBER -2001 | 7.36 | 8.26 | 243 | 27.9 | 22.0 |
| | | | | | |
| Average | 7.37 | 9.2 | 254 | 31.8 | 23.9 |

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL SEWAGE Trace Metals

From: 01-JAN-2001 To: 31-DEC-2001

Sampled by: NDL,A4A,UFH,M5U Analyzed by: BOA,G8C,JRF,IEN,LXP,SCV,JRV

| Analyte: | Antimony | Antimony | Arsenic | Arsenic | Beryllium | Beryllium | Cadmium | Cadmium |
|----------------|-------------|-----------|-----------|-----------|-----------------|-----------|----------------|--------------|
| MDL Units: | 23 UG/L | 23 UG/L | 0.18 UG/L | 0.18 UG/L | 0.39 UG/L | 0.39 UG/L | 1 UG/L | 1 UG/L |
| Source: | PLR | PLE | PLR | PLE | PLR | PLE | PLR | PLE |
| Lowest/Limit: | | | | 1030 | | 6.77 | | 205 |
| | | | | | | | | |
| JANUARY -2001 | 23 | <23 | 1.18 | 0.79 | ND | ND | <1.0 | <1.0 |
| FEBRUARY -2001 | ND | 26 | 1.22 | 0.79 | ND | ND | 2.0 | ND |
| MARCH -2001 | 27 | <23 | 0.93 | 0.60 | ND | ND | <1.0 | 1.1 |
| APRIL -2001 | <23 | <23 | 0.85 | 0.38 | ND | ND | <1.0 | <1.0 |
| MAY -2001 | <23 | <23 | 1.14 | 0.90 | ND | ND | 2.6 | <1.0 |
| JUNE -2001 | <23 | ND | 2.08 | 0.89 | ND | ND | 1.0 | <1.0 |
| JULY -2001 | ND | ND | 1.19 | 0.76 | ND | ND | <1.0 | ND |
| AUGUST -2001 | ND | ND | 1.53 | 1.06 | ND | ND | 1.6 | <1.0 |
| SEPTEMBER-2001 | ND | ND | 1.06 | 0.84 | <0.39 | ND | ND | ND |
| OCTOBER -2001 | <23 | <23 | 1.40 | 0.83 | ND | ND | <1.0 | <1.0 |
| NOVEMBER -2001 | <23 | <23 | 1.50 | 1.03 | ND | ND | <1.0 | <1.0 |
| DECEMBER -2001 | <23 | <23 | 1.34 | 0.77 | ND | ND | ND | ND |
| ============= | =========== | | | | =============== | | ============== | |
| AVERAGE | 4 | 2 | 1.29 | 0.80 | 0.00 | ND | 0.6 | 0.1 |
| | | | | | | | | |
| Analyte: | Chromium | Chromium | Copper | Copper | Iron | Iron | Lead | Lead |
| MDL Units: | 5 UG/L | 5 UG/L | 4 UG/L | 4 UG/L | 30 UG/L | 30 UG/L | 18 UG/L | 18 UG/L |
| Source: | PLR | PLE | PLR | PLE | PLR | PLE | PLR | PLE |
| Lowest/Limit: | | 410 | | 207 | | | | 410 |
| | | | | | =========== | | | |
| JANUARY -2001 | 10.9 | 17.5 | 194 | 115 | 6510 | 3800 | <18.0 | ND |
| FEBRUARY -2001 | 5.5 | <5.0 | 180 | 153 | 6610 | 4150 | ND | ND |
| MARCH -2001 | 6.7 | <5.0 | 176 | 100 | 4990 | 4120 | ND | ND |
| APRIL -2001 | <5.0 | ND | 188 | 90 | 6300 | 4330 | ND | ND |
| MAY -2001 | 7.1 | <5.0 | 198 | 126 | 6840 | 4460 | ND | ND |
| JUNE -2001 | 7.0 | <5.0 | 192 | 119 | 8690 | 4550 | ND | ND |
| JULY -2001 | 8.8 | ND | 167 | 105 | 7050 | 4150 | ND | ND |
| AUGUST -2001 | <5.0 | <5.0 | 248 | 145 | 6720 | 3850 | ND | ND |
| SEPTEMBER-2001 | 6.5 | ND | 215 | 117 | 6370 | 4130 | ND | ND |
| OCTOBER -2001 | 6.2 | ND | 226 | 133 | 6350 | 4210 | ND | ND |
| NOVEMBER -2001 | <5.0 | <5.0 | 142 | 85 | 6580 | 3820 | <18.0 | ND |
| DECEMBER -2001 | ND | ND | 190 | 85 | 6070 | 4310 | ND | ND ====== |
| AVERAGE | 4.9 | 1.5 | 193 | 114 | 6590 | 4157 | 0.0 | ND |
| Analyte: | Mercury | Mercury | Nickel | Nickel | Selenium | Selenium | Silver | Silver |
| MDL Units: | 0.27 UG/L | 0.27 UG/L | 14 UG/L | 14 UG/L | 0.4 UG/L | 0.4 UG/L | 6.6 UG/L | 6.6 UG/L |
| Source: | PLR | PLE | PLR | PLE | PLR | PLE | PLR | PLE |
| Lowest/Limit: | FLIC | 8.1 | P LIK | 1030 | P LIC | 3080 | P LIC | 111 |
| | | | | | | | | |
| JANUARY -2001 | ND | ND | <14 | <14 | 1.68 | 1.25 | ND | ND |
| FEBRUARY -2001 | ND | ND | <14 | <14 | 1.60 | 1.25 | ND | 6.7 |
| MARCH -2001 | ND | ND | <14 | ND | 1.26 | 1.18 | <6.6 | <6.6 |
| APRIL -2001 | ND | ND | <14 | <14 | 1.61 | 1.08 | ND | ND |
| MAY -2001 | 0.36 | <0.27 | <14 | ND | 1.34 | 1.10 | <6.6 | <6.6 |
| JUNE -2001 | 0.32 | ND | ND | <14 | 1.50 | 1.10 | ND | ND |
| JULY -2001 | <0.27 | ND | 18 | <14 | 1.50 | 1.12 | 9.3 | <6.6 |
| AUGUST -2001 | <0.27 | <0.27 | ND | ND | 1.53 | 1.12 | 6.7 | ND |
| SEPTEMBER-2001 | <0.27 | <0.27 | <14 | ND | 1.19 | 0.92 | ND | ND |
| OCTOBER -2001 | <0.27 | ND | ND | ND | 1.25 | 0.86 | ND | ND |
| NOVEMBER -2001 | <0.27 | <0.27 | ND | ND | 1.40 | 1.19 | 8.0 | ND |
| DECEMBER -2001 | <0.27 | ND | ND | ND | 1.61 | 1.26 | ND | ND |
| | | | | | | | | |
| AVERAGE | 0.06 | 0.00 | 2 | 0 | 1.46 | 1.12 | 2.0 | 0.6 |
| | | | | | | | | |

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL SEWAGE Trace Metals

From: 01-JAN-2001 To: 31-DEC-2001

Sampled by: NDL,A4A Analyzed by: BOA,G8C,JRF,IEN,LXP,SCV,JRV

| Analyte: | Thallium | Thallium | Zinc | Zinc |
|-------------------|------------------|----------|---------------|------------|
| MDL Units: | 40 UG/L | 40 UG/L | 4 UG/L | 4 UG/L |
| Source: | PLR | PLE | PLR | PLE |
| Lowest/Limit: | | 2870 | | 2470 |
| ================= | ================ | ======= | ============= | ========== |
| JANUARY -2001 | ND | ND | 128 | 30 |
| FEBRUARY -2001 | ND | ND | 136 | 35 |
| MARCH -2001 | ND | ND | 123 | 33 |
| APRIL -2001 | ND | ND | 168 | 41 |
| MAY -2001 | <40.0 | ND | 151 | 42 |
| JUNE -2001 | ND | ND | 156 | 43 |
| JULY -2001 | ND | ND | 139 | 26 |
| AUGUST -2001 | ND | ND | 225 | 29 |
| SEPTEMBER-2001 | ND | ND | 137 | 29 |
| OCTOBER -2001 | ND | ND | 137 | 23 |
| NOVEMBER -2001 | ND | ND | 145 | 26 |
| DECEMBER -2001 | ND | ND | 123 | 24 |
| | | | | |
| AVERAGE | 0.0 | ND | 147 | 32 |

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL SEWAGE Ammonia-Nitrogen and Total Cyanides

From: 01-JAN-2001 To: 31-DEC-2001

Sampled by: NDL,A4A,UFH,M5U Analyzed by: JJI,HHD,JRV

| Limit: | Ammonia-N .2 MG/L PLR | Ammonia-N .2 MG/L PLE 492 | Cyanides,Total .002 MG/L PLR | Cyanides,Total .002 MG/L PLE 0.82 |
|-------------------|-----------------------------|------------------------------------|------------------------------------|--|
| ================= | | | ================== | |
| JANUARY -2001 | 27.7 | 26.5 | 0.0038 | 0.0038 |
| FEBRUARY -2001 | 27.0 | 27.9 | 0.0053 | 0.0048 |
| MARCH -2001 | 26.0 | 26.1 | 0.0043 | 0.0039 |
| APRIL -2001 | 29.9 | 29.5 | 0.0028 | 0.0034 |
| MAY -2001 | 28.9 | 28.9 | 0.0033 | 0.0044 |
| JUNE -2001 | 29.0 | 28.5 | 0.0033 | 0.0030 |
| JULY -2001 | 29.6 | 27.7 | 0.0030 | 0.0028 |
| AUGUST -2001 | 28.8 | 28.2 | 0.0020 | 0.0020 |
| SEPTEMBER-2001 | 28.8 | 28.3 | <0.0020 | <0.0020 |
| OCTOBER -2001 | 28.8 | 28.4 | <0.0020 | <0.0020 |
| NOVEMBER -2001 | 29.0 | 28.8 | 0.0030 | 0.0029 |
| DECEMBER -2001 | 28.0 | 27.5 | 0.0020 | <0.0020 |
| | | | | |
| Average: | 28.5 | 28.0 | 0.0027 | 0.0026 |

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL SEWAGE Radioactivity

From: 01-JAN-2001 To: 31-DEC-2001

Sampled by: NDL,A4A,UFH,M5U Analyzed by: Truesdail Labs Inc.

| Source | Month | Gross Alpha Radiation | Gross Beta Radiation |
|---------|----------------|-----------------------|----------------------|
| ====== | | | |
| PLE | JANUARY -2001 | 0.3 ± 1.2 | 28.0 ± 4.5 |
| PLE | FEBRUARY -2001 | 2.1 ± 1.3 | 37.0 ± 4.5 |
| PLE | MARCH -2001 | 2.6 ± 1.5 | 30.7 ± 4.4 |
| PLE | APRIL -2001 | 1.6 ± 1.5 | 26.3 ± 3.8 |
| PLE | MAY -2001 | 1.7 ± 1.4 | 37.2 ± 4.9 |
| PLE | JUNE -2001 | 0.8 ± 1.2 | 31.2 ± 4.8 |
| PLE | JULY -2001 | 0.9 ± 0.9 | 33.4 ± 4.7 |
| PLE | AUGUST -2001 | 0.6 ± 1.4 | 31.1 ± 4.1 |
| PLE | SEPTEMBER-2001 | 1.0 ± 1.2 | 37.4 ± 4.7 |
| PLE | OCTOBER -2001 | 1.8 ± 1.5 | 35.3 ± 4.6 |
| PLE | NOVEMBER -2001 | 1.4 ± 1.1 | 29.9 ± 4.8 |
| PLE | DECEMBER -2001 | 2.9 ± 1.5 | 28.5 ± 4.2 |
| ====== | | | |
| AVERAGE | | 1.5 ± 1.3 | 32.2 ± 4.5 |

| Source | Month | Gross Alpha Radiation | Gross Beta Radiation |
|---------|-------------------|-----------------------|----------------------|
| ====== | ================= | | |
| PLR | JANUARY -2001 | 0.6 ± 1.3 | 26.3 ± 4.7 |
| PLR | FEBRUARY -2001 | 0.6 ± 1.3 | 34.6 ± 4.6 |
| PLR | MARCH -2001 | -0.2 ± 1.2 | 30.0 ± 4.5 |
| PLR | APRIL -2001 | 0.5 ± 1.3 | 31.3 ± 4.7 |
| PLR | MAY -2001 | -0.3 ± 1.2 | 39.2 ± 5.0 |
| PLR | JUNE -2001 | 0.3 ± 1.1 | 33.1 ± 5.3 |
| PLR | JULY -2001 | 1.9 ± 1.1 | 29.0 ± 4.5 |
| PLR | AUGUST -2001 | -1.0 ± 1.1 | 26.3 ± 4.1 |
| PLR | SEPTEMBER-2001 | 1.3 ± 1.1 | 36.6 ± 4.5 |
| PLR | OCTOBER -2001 | 0.9 ± 1.4 | 37.4 ± 4.7 |
| PLR | NOVEMBER -2001 | 3.5 ± 1.6 | 28.0 ± 4.7 |
| PLR | DECEMBER -2001 | 3.8 ± 1.7 | 35.3 ± 4.6 |
| ====== | ================ | | |
| AVERAGE | | 1.0 ± 1.3 | 32.3 ± 4.6 |

ND= not detected NA= not analyzed NS= not sampled

Units in picocuries/liter (pCi/L)

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL - Chlorinated Pesticide Analysis

From 01-JAN-2001 To 31-DEC-2001

| | | PL | | PLE | PLE |] |
|----------------------------|-----|-------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|---------|
| Analyte | MDL | JA Units | N FEB Avg | MAR Avg | APR Avg | MAY Avg | JUN Avg | JUL Avg | AUG Avg | SEP Avq | OCT Avg | NOV Avq | DEC Avg | Avq | Average |
| - | | ===== | | | - | - | | ==== = | - | ==== = | ==== = | | - | - | ===== |
| Aldrin | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | 40 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 10 | NG/L | 13 | 10 | 13 | 15 | 18 | 21 | 23 | 19 | 18 | 16 | 15 | 15 | 16 |
| BHC, Delta isomer | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDT | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 40 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 14 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 14 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 23 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Toxaphene | 240 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1016 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1221 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1232 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1242 | 70 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1248 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1254 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1260 | 300 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1262 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | === | ===== | | | | | | | = | | | | | | |
| Aldrin + Dieldrin | 40 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 30 | NG/L | 13 | 10 | 13 | 15 | 18 | 21 | 23 | 19 | 18 | 16 | 15 | 15 | 16 |
| DDT and derivatives | 40 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 14 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polychlorinated biphenyls | 600 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Endosulfans | 20 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heptachlors | 30 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | === | ===== | | | | | | | ==== = | = | | | | ==== | |
| Chlorinated Hydrocarbons | 600 | NG/L | 13 | 10 | 13 | 15 | 18 | 21 | 23 | 19 | 18 | 16 | 15 | 15 | 16 |

nd=not detected; NS=not sampled; NA=not analyzed

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL - Chlorinated Pesticide Analysis

From 01-JAN-2001 To 31-DEC-2001

| | | | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR | PLR |
|----------------------------|-----------|---------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------------|--------------|-----|-------------|-------|---------|
| | | | JAN - | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | _ |
| Analyte | | Units | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg ===== | Avg | Avg | Avg | Average |
| Aldrin | === 20 | ===== NG/L | ===== ND | ===== ND | ===== ND | ===== ND | ===== ND | ND | ND | ===== ND | ND | ND | ===== ND | ND | ND |
| Dieldrin | 20 40 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 10 | NG/L | 41 | 35 | 26 | 50 | 44 | 37 | 27 | 46 | 54 | 43 | 45 | 41 | 41 |
| BHC, Delta isomer | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDT | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 40 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 14 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 14 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 30 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 23 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 20 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Toxaphene | 240 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1016 | 600 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1221 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1232 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1242 | 70 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1248 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1254 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1260 | 300 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1262 | | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | === | ===== | ===== | | ===== | ===== | | ===== | ===== | ===== | | | ===== | ===== | ===== |
| Aldrin + Dieldrin | 40 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 30 | NG/L | 41 | 35 | 26 | 50 | 44 | 37 | 27 | 46 | 54 | 43 | 45 | 41 | 41 |
| DDT and derivatives | 40 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 14 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polychlorinated biphenyls | 600 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Endosulfans | 20 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heptachlors | 30 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | === | | | ===== | | | ===== | | ===== | ===== | | | | | |
| Chlorinated Hydrocarbons | 600 | NG/L | 41 | 35 | 26 | 50 | 44 | 37 | 27 | 46 | 54 | 43 | 45 | 41 | 41 |

nd=not detected; NS=not sampled; NA=not analyzed

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT

SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC Analysis: CW,TB,KD

| | | | PLE | PLR |
|-----------------------------------|-----|-------|-------------|-------------|
| | | | 09-OCT-2001 | 09-OCT-2001 |
| Analyte | MDL | Units | P120742 | P120747 |
| | === | ===== | ========== | ========== |
| Demeton O | .09 | UG/L | ND | ND |
| Demeton S | .05 | UG/L | ND | ND |
| Diazinon | .07 | UG/L | 0.2 | 0.1 |
| Guthion | .21 | UG/L | ND | ND |
| Malathion | .04 | UG/L | 0.1 | 0.1 |
| Parathion | .03 | UG/L | ND | ND |
| | === | ===== | =========== | |
| Thiophosphorus Pesticides | .21 | UG/L | 0.1 | 0.1 |
| Demeton -0, -S | .09 | UG/L | 0.0 | 0.0 |
| | === | ===== | | |
| Total Organophosphorus Pesticides | .21 | UG/L | 0.4 | 0.4 |

Additional Analytes.....

| | === ===== | | |
|-------------------------|-----------|-----|-----|
| Tetraethylpyrophosphate | UG/L | ND | ND |
| Dichlorvos | UG/L | ND | ND |
| Dibrom | UG/L | ND | ND |
| Ethoprop | UG/L | ND | ND |
| Phorate | UG/L | ND | ND |
| Sulfotepp | UG/L | ND | ND |
| Disulfoton | UG/L | 0.1 | 0.1 |
| Monocrotophos | UG/L | ND | ND |
| Dimethoate | UG/L | ND | ND |
| Ronnel | UG/L | ND | ND |
| Trichloronate | UG/L | ND | ND |
| Merphos | UG/L | ND | ND |
| Dichlofenthion | UG/L | ND | ND |
| Tokuthion | UG/L | ND | ND |
| Stirophos | UG/L | ND | ND |
| Bolstar | UG/L | ND | ND |
| Fensulfothion | UG/L | ND | ND |
| EPN | UG/L | ND | ND |
| Coumaphos | UG/L | ND | ND |
| Mervinphos, e isomer | UG/L | ND | ND |
| Mervinphos, z isomer | UG/L | ND | ND |
| Chlorpyrifos | .05 UG/L | ND | 0.1 |

POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL SEWAGE MONTHLY - Tributyl Tin analysis

From 01-JAN-2001 To 31-DEC-2001 Sampling: LC,JF,JM,KW,PG,BGB Analysis:

| | PLE PLE | PLE PI | | | PLE | PLE | PLE | PLE | PLE | PLE | |
|------------------------|---------|--------|--------|-------|-------|-------|-----|-----|-------|-----|---------|
| | JAN FEB | MAR AI | PR MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| Analyte MDL Units | | | | | | | | | | | Average |
| | | | | ===== | ===== | ===== | | | ===== | | ===== |
| Dibutyl tin .007 UG/L | ND ND | ND 1 | ID ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Monobutyl Tin .01 UG/L | ND ND | ND 1 | ID ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Tributyl tin .005 UG/L | ND ND | ND 1 | ID ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | PLR PLR | PLR PLF | R PLR PL | R PLR I | PLR PLR | PLR PLR | PLR | |
|------------------------|---------|---------|----------|---------|---------|---------|------|------|
| | JAN FEB | MAR APF | R MAY JU | I JUL I | AUG SEP | OCT NOV | DEC | |
| Analyte MDL Units | | | | | | | Ave | rage |
| | | | | | | | | == |
| Dibutyl tin .007 UG/L | ND ND | ND NI | ND ND | D ND | ND ND | ND NE | ND I | ND |
| Monobutyl Tin .01 UG/L | ND ND | ND NI | ND ND |) ND | ND ND | ND NE | ND 1 | ND |
| Tributyl tin .005 UG/L | ND ND | ND NI | ND ND |) ND | ND ND | ND NE | ND : | ND |

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL - Acid Extractables

From 01-JAN-2001 To 31-DEC-2001

| | | PL | | | | | | | PLE | PLE | PLE | | | | |
|-------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| | | JA | | | | | | JUL | AUG | SEP | OCT | | | - | _ |
| Analyte | MDL | Units | Avg | Average |
| | ==== | ===== | ===== | ===== | | | ===== | | | | | | ===== | | ===== |
| 2-chlorophenol | 3.6 | UG/L | ND |
| 2,4-dichlorophenol | 6.1 | UG/L | ND |
| 4-chloro-3-methylphenol | 3.6 | UG/L | ND |
| 2,4,6-trichlorophenol | 3.4 | UG/L | ND |
| Pentachlorophenol | 5.87 | UG/L | ND |
| Phenol | 2.53 | UG/L | 12.0 | 14.9 | 9.1 | 16.8 | 12.5 | 10.7 | 8.5 | 10.0 | 7.6 | 8.7 | 12.0 | 9.6 | 11.0 |
| 2-nitrophenol | 4.5 | UG/L | ND |
| 2,4-dimethylphenol | 4.6 | UG/L | ND |
| 2,4-dinitrophenol | 6.07 | UG/L | ND |
| 4-nitrophenol | 6.1 | UG/L | ND |
| 2-methyl-4,6-dinitrophenol | 4.29 | UG/L | ND |
| | ==== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Total Chlorinated Phenols | 6.1 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Non-Chlorinated Phenols | 6.1 | UG/L | 12.0 | 14.9 | 9.1 | 16.8 | 12.5 | 10.7 | 8.5 | 10.0 | 7.6 | 8.7 | 12.0 | 9.6 | 11.0 |
| | ==== | ===== | ===== | ===== | ===== | ===== | ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Phenols | 6.1 | UG/L | 12.0 | 14.9 | 9.1 | 16.8 | 12.5 | 10.7 | 8.5 | 10.0 | 7.6 | 8.7 | 12.0 | 9.6 | 11.0 |

| Additional analytes determined; | | | | | | | | | | | | | | | |
|------------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| | | | | | | | | | | | | | | ===== | |
| 2-methylphenol | 5.1 | UG/L | ND | ND |
| 3-methylphenol(4-MP is unresolved) | 4.4 | UG/L | ND | ND |
| 4-methylphenol(3-MP is unresolved) | 4.4 | UG/L | 39.8 | 43.9 | 27.3 | 56.1 | 37.4 | 25.6 | 24.3 | 23.6 | 14.8 | 22.1 | 29.5 | 31.9 | 31.4 |
| 2,4,5-trichlorophenol | 3.6 | UG/L | ND | ND |

| | | PL | r pli | R PLF | R PLF | R PLR | PLR | PLR | PLF | PLR | PLF | PLR | PLR | 1 | |
|-------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| | | JAI | N FER | 3 MAF | R APF | R MAY | JUN | I JUL | AUG | SEF | OC1 | NOV | DEC | ! | |
| Analyte | MDL | Units | Avg | Average |
| | ==== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 2-chlorophenol | 3.6 | UG/L | ND |
| 2,4-dichlorophenol | 6.1 | UG/L | ND |
| 4-chloro-3-methylphenol | 3.6 | UG/L | ND |
| 2,4,6-trichlorophenol | 3.4 | UG/L | ND |
| Pentachlorophenol | 5.87 | UG/L | ND |
| Phenol | 2.53 | UG/L | 15.4 | 16.6 | 15.0 | 22.2 | 17.2 | 18.3 | 16.6 | 16.2 | 16.1 | 12.4 | 20.0 | 16.2 | 16.9 |
| 2-nitrophenol | 4.5 | UG/L | ND |
| 2,4-dimethylphenol | 4.6 | UG/L | ND |
| 2,4-dinitrophenol | 6.07 | UG/L | ND |
| 4-nitrophenol | 6.1 | UG/L | ND |
| 2-methyl-4,6-dinitrophenol | 4.29 | UG/L | ND |
| | ==== | ===== | ===== | ===== | ===== | | ===== | ===== | ===== | ===== | ===== | | ===== | | ===== |
| Total Chlorinated Phenols | 6.1 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Non-Chlorinated Phenols | 6.1 | UG/L | 15.4 | 16.6 | 15.0 | 22.2 | 17.2 | 18.3 | 16.6 | 16.2 | 16.1 | 12.4 | 20.0 | 16.2 | 16.9 |
| | ==== | ===== | ===== | ===== | ===== | | ===== | ===== | ===== | ===== | ===== | | ===== | | ===== |
| Phenols | 6.1 | UG/L | 15.4 | 16.6 | 15.0 | 22.2 | 17.2 | 18.3 | 16.6 | 16.2 | 16.1 | 12.4 | 20.0 | 16.2 | 16.9 |
| | | | | | | | | | | | | | | | |

| Additional analytes determined; | | | | | | | | | | | | | | | |
|------------------------------------|------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ==== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 2-methylphenol | 5.1 | $\rm UG/L$ | ND |
| 3-methylphenol(4-MP is unresolved) | 4.4 | $\rm UG/L$ | ND |
| 4-methylphenol(3-MP is unresolved) | 4.4 | UG/L | 53.2 | 51.1 | 49.0 | 76.9 | 57.6 | 56.8 | 47.4 | 39.7 | 38.7 | 35.7 | 52.8 | 60.0 | 51.6 |
| 2,4,5-trichlorophenol | 3.6 | $\rm UG/L$ | ND |

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL Priority Pollutants Base/Neutrals

From 01-JAN-2001 To 31-DEC-2001

| | | PL | E PLE | PLE | PLE | PLE | PLE | PLE | PLE | PLE | PLE | PLE | PLE | PLE | 1 |
|--|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|--------------|--------------|----------------|----------|-----------|
| | | JA | | | | | | | | | OCT | | | | |
| Analyte | MDL | Units ===== | Avg ===== | Avg | Avg ===== | Avg ===== | Avg ===== : | - | Average |
| bis(2-chloroethyl) ether | 2.62 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1,3-dichlorobenzene | 2.7 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1,2-dichlorobenzene | 2.8 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1,4-dichlorobenzene | 2.8 | UG/L | <2.8 | <2.8 | <2.8 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | 0.0 |
| Bis-(2-chloroisopropyl) ether | 8.95 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| N-nitrosodi-n-propylamine | 5 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Nitrobenzene | 7.3 | $\rm UG/L$ | ND | ND | ND | ND | ND | ND | ND |
| Hexachloroethane | 4 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Isophorone | 2.5 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| bis(2-chloroethoxy)methane | 2.1 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.44 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Naphthalene | 1.6 2.87 | UG/L UG/L | ND | ND ND | ND ND | ND ND | ND | ND ND | ND | ND ND | ND | ND ND | ND ND | ND ND | ND |
| Hexachlorobutadiene Hexachlorocyclopentadiene | 2.87 | UG/L UG/L | ND ND | ND | ND | ND | ND ND | ND | ND ND | ND | ND ND | ND | ND | ND ND | ND ND |
| Acenaphthylene | 2.02 | UG/L UG/L | ND | ND | ND | ND | ND | ND | ND |
| Dimethyl phthalate | 5.6 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 2,6-dinitrotoluene | 1.93 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Acenaphthene | 2.2 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 2,4-dinitrotoluene | 1.7 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Fluorene | 2.43 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 4-chlorophenyl phenyl ether | 5.1 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Diethyl phthalate | 8 | UG/L | <8.0 | 12.5 | ND | <7.0 | 13.6 | ND | 8.5 | 12.2 | ND | ND | ND | ND | 3.9 |
| N-nitrosodiphenylamine | 5.2 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 4-bromophenyl phenyl ether | 4.4 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Hexachlorobenzene | 4.8 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 4.15 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Anthracene | 4.04 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Di-n-butyl phthalate | 6.49 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| N-nitrosodimethylamine | 2.7 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Fluoranthene | 6.9 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Pyrene | 5.19 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Benzidine | 1.7 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Butyl benzyl phthalate | 5.2 7.49 | UG/L UG/L | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND |
| Chrysene Benzo[A]anthracene | 7.68 | UG/L UG/L | ND | ND | ND | ND ND | ND | ND ND | ND ND |
| Bis-(2-ethylhexyl) phthalate | 10.43 | | 8.6 | ND | 11.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1.7 |
| Di-n-octyl phthalate | 10.45 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 3,3-dichlorobenzidine | 2.43 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 7.36 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 6.63 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 7.4 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 7.4 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 7.8 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 7 | UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1,2-diphenylhydrazine | 2.49 | $\rm UG/L$ | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | | | | | | ===== | |
| Total Dichlorobenzenes | 2.8 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Polynuc. Aromatic Hydrocarbons | | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | | | | |
| Base/Neutral Compounds | 10.7 | UG/L | 8.6 | 12.5 | 11.3 | 0.0 | 13.6 | 0.0 | 8.5 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 |
| Additional analytes determined | | | | | | | | | | | | | | | |
| 1-methylnaphthalene | 2.18 | ===== UG/L | ===== ND | ===== ND | ===== ND | ND | nD | nd ND | nD | nd ND | nd ND | nd ND | ND | nd | ND |
| 1-metnyinaphthalene 2-methylnaphthalene | 2.18 | UG/L UG/L | ND ND | ND 1.3 | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND 0.1 |
| 2.6-dimethylnaphthalene | 2.25 3.31 | | ND | I.3 ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND ND | ND |
| 2,3,5-trimethylnaphthalene | 4.4 | UG/L UG/L | ND | ND | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 6.29 | | ND | ND | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 7.67 | | ND | ND | ND | ND | ND | ND | ND |
| Perylene | 6.61 | | ND | ND | ND | ND | ND | ND | ND |
| Biphenyl | 2.43 | | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | | | | | | | |

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL Priority Pollutants Base/Neutrals From 01-JAN-2001 To 31-DEC-2001

| | | PLR | | PLR | | | | | PLR | PLR | PLR | PLR | PLR | | 1 |
|--|-------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|------------|
| Analyte | MDL | JAN Units | FEB Avg | MAR Avg | APR Avg | MAY Avg | JUN Avg | JUL Avg | AUG Avg | SEP Avg | OCT Avg | NOV Avg | DEC Avg | | Average |
| | | | | | | | | | | | | | | | ===== |
| bis(2-chloroethyl) ether | 2.62 | UG/L | ND | ND | ND |
| 1,3-dichlorobenzene 1,2-dichlorobenzene | 2.7 2.8 | UG/L UG/L | ND ND | ND ND | ND ND |
| 1,4-dichlorobenzene | 2.8 | UG/L UG/L | <2.8 | <2.8 | <2.8 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | <2.3 | 2.5 | <2.3 | 0.2 |
| Bis-(2-chloroisopropyl) ether | 8.95 | UG/L | ND | ND | ND |
| N-nitrosodi-n-propylamine | 5 | UG/L | ND | ND | ND |
| Nitrobenzene | 7.3 | UG/L | ND | ND | ND |
| Hexachloroethane | 4 | UG/L | ND | ND | ND |
| Isophorone | 2.5 | UG/L | ND | ND | ND |
| bis(2-chloroethoxy)methane | 2.1 | UG/L | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.44 | UG/L | ND | ND | ND |
| Naphthalene Hexachlorobutadiene | 1.6 2.87 | UG/L UG/L | ND ND | ND ND | ND ND |
| Hexachlorocyclopentadiene | 2.07 | UG/L UG/L | ND | ND | ND |
| Acenaphthylene | 2.02 | UG/L | ND | ND | ND |
| Dimethyl phthalate | 5.6 | UG/L | ND | ND | ND |
| 2,6-dinitrotoluene | 1.93 | UG/L | ND | ND | ND |
| Acenaphthene | 2.2 | UG/L | ND | ND | ND |
| 2,4-dinitrotoluene | 1.7 | UG/L | ND | ND | ND |
| Fluorene | 2.43 | UG/L | ND | ND | ND |
| 4-chlorophenyl phenyl ether | 5.1 | UG/L | ND | ND | ND |
| Diethyl phthalate | 8 5.2 | UG/L | ND | 10.8 | ND | ND | 13.0 | ND | ND | ND | ND | ND | ND | ND | 2.0 |
| N-nitrosodiphenylamine 4-bromophenyl phenyl ether | 5.2 4.4 | UG/L UG/L | ND ND | ND ND | ND ND |
| Hexachlorobenzene | 4.8 | UG/L | ND | ND | ND |
| Phenanthrene | 4.15 | UG/L | ND | ND | ND |
| Anthracene | 4.04 | UG/L | ND | ND | ND |
| Di-n-butyl phthalate | 6.49 | UG/L | ND | ND | ND |
| N-nitrosodimethylamine | 2.7 | UG/L | ND | ND | ND |
| Fluoranthene | 6.9 | UG/L | ND | ND | ND |
| Pyrene | 5.19 | UG/L | ND | ND | ND |
| Benzidine | 1.7 | UG/L | ND | ND | ND |
| Butyl benzyl phthalate Chrysene | 5.2 7.49 | UG/L UG/L | ND ND | ND ND | ND ND | ND ND | ND ND | <4.8 ND | ND ND | ND ND | ND ND | ND ND | ND ND | ND ND | <0.0 ND |
| Benzo[A]anthracene | 7.68 | UG/L UG/L | ND | ND | ND |
| Bis-(2-ethylhexyl) phthalate | 10.43 | | 24.3 | 15.3 | 20.5 | 10.7 | 32.4 | 20.6 | ND | 11.2 | 10.6 | ND | ND | 14.6 | 13.4 |
| Di-n-octyl phthalate | 10.7 | UG/L | ND | ND | ND |
| 3,3-dichlorobenzidine | 2.43 | UG/L | ND | ND | ND |
| Benzo[K]fluoranthene | 7.36 | UG/L | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 6.63 | UG/L | ND | ND | ND |
| Benzo[A]pyrene | 7.4 | UG/L | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 7.4 | UG/L | ND | ND | ND |
| Dibenzo(A,H)anthracene | 7.8 7 | UG/L UG/L | ND ND | ND ND | ND ND |
| Benzo[G,H,I]perylene 1,2-diphenylhydrazine | 2.49 | UG/L UG/L | ND | ND | ND |
| ======================================= | | | | | | | | | | | | | | | ===== |
| Total Dichlorobenzenes | 2.8 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Polynuc. Aromatic Hydrocarbons | 7.8 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | ===== | | | | ===== | | ===== | ===== : | | ===== | ===== | | | ===== | ===== |
| Base/Neutral Compounds | 10.7 | UG/L | 24.3 | 26.1 | 20.5 | 10.7 | 45.4 | <20.6 | 0.0 | 11.2 | 10.6 | 0.0 | 2.5 | 14.6 | 15.5 |
| Additional dtermined determine | | | | | | | | | | | | | | | |
| 1-methylnaphthalene | | UG/L | ND | ND | ND |
| 2-methylnaphthalene | | UG/L | ND | 1.3 | ND | ND | 0.1 |
| 2,6-dimethylnaphthalene | 3.31 | | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 4.4 | UG/L | ND | ND | ND |
| 1-methylphenanthrene | 6.29 | UG/L | ND | ND | ND |
| Benzo[e]pyrene | 7.67 | UG/L | ND | ND | ND |
| Perylene | 6.61 | | ND | ND | ND |
| Biphenyl | 2.43 | UG/L | ND | ND | ND |
| | | | | | | | | | | | | | | | |

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL Priority Pollutants Purgeables

From 01-JAN-2001 To 31-DEC-2001

| | | PL | e ple | PLE | PLE | PLE | PLE | PLE | PLF | PLE | PLE | PLF | PLE | PLE | 6 |
|---------------------------------------|-----------|--------------|------------|-------------|------------|--------------|------------|-----------|------------|------------|------------|-----------|--------------|-----------|------------|
| | | JA | N FEB | MAR | APR | MAY | JUN | I JUL | AUG | SEF | OCI | NOV | DEC | ! | |
| Analyte | MDL | Units | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Average |
| | ==== | ===== | ===== | | ===== | | ===== | ===== | | ===== | ===== | | ===== | | ===== |
| Chloromethane | 3.23 | UG/L | ND | ND | ND | ND | ND | 1.2 | ND | ND | ND | ND | ND | ND | 0.1 |
| Bromomethane | 1.39 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | <1.0 | <1.0 | 0.0 |
| Vinyl chloride | 1.04 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | 3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-dichloroethene | 1.09 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane | 3.92 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride | 1.29 | UG/L | 2.3 | 3.5 | 1.5 | 5.5 | 2.9 | 2.7 | 1.6 | 3.0 | 2.9 | 4.0 | 3.6 | 2.2 | 3.0 |
| 1,1-dichloroethane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-dichloroethene | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | 1 | UG/L | 5.8 | 7.0 | 8.3 | 7.8 | 9.3 | 8.1 | 6.3 | 5.6 | 9.2 | 9.1 | 7.0 | 5.6 | 7.4 |
| 1,2-dichloroethane | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-trichloroethane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | | UG/L | 1.5 | 3.4 | 3.3 | ND | 1.2 | 1.7 | 1.3 | ND | 1.9 | 1.8 | ND | 2.1 | 1.5 |
| 1,2-dichloropropane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-dichloropropene | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Benzene | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | | UG/L | 1.2 | 2.8 | 2.5 | ND | ND | 1.3 | 18.4 | ND | 1.4 | 1.3 | ND | 1.9 | 2.6 |
| 1,1,2-trichloroethane | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-dichloropropene | | UG/L | ND | ND * | ND | ND | ND | ND * | ND | ND | ND | ND | ND | ND | ND |
| 2-chloroethylvinyl ether Bromoform | 5 6.1 | UG/L | ND | ND | ND | ND ND | ND ND | | ND | ND ND | ND ND | ND ND | ND | ND ND | ND |
| 1,1,2,2-tetrachloroethane | | UG/L UG/L | ND ND | ND | ND ND | ND | ND | ND ND | ND ND | ND | ND | ND | ND ND | ND | ND ND |
| Tetrachloroethene | | UG/L UG/L | ND | 2.0 | ND | 1.5 | ND | 2.2 | ND | ND | 5.0 | 3.6 | ND | ND | 1.2 |
| Toluene | | UG/L UG/L | 1.5 | 2.0 | 1.5 | 1.3 | 2.6 | 1.5 | ND | 1.5 | 1.5 | 7.5 | 2.2 | 1.4 | 2.1 |
| Chlorobenzene | 1 | UG/L UG/L | ND | ND | ND | ND | 2.0 ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Ethylbenzene | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Acrylonitrile | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Acrolein | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| | | | | | ===== | | ===== | | ===== | | | | ===== | | ===== |
| Halomethane Purgeable Cmpnds | | UG/L | 2.7 | 6.2 | 5.8 | 0.0 | 1.2 | 4.2 | 19.7 | 0.0 | 3.3 | 3.1 | 0.0 | 4.0 | 4.2 |
| | | ===== | | ===== | | | | | | | | | | ===== | ===== |
| Purgeable Compounds | 13.8 | UG/L | 12.3 | 21.1 | 17.1 | 16.1 | 16.0 | 18.7 | 27.6 | 10.1 | 21.9 | 27.3 | 12.8 | 13.2 | 17.9 |
| | | | | | | | | | | | | | | | |
| Additional analytes determin | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Allyl chloride | 1.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 4-methyl-2-pentanone | 6.1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| meta,para xylenes | 3.1 | UG/L | ND | ND | ND | ND | ND | 1.1 | ND | ND | ND* | ND | ND | ND | 0.1 |
| Styrene | 4.7 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Methyl Iodide | 1.3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Chloroprene | 1.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Methyl methacrylate | 4.6 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 2-nitropropane | 10 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 1,2-dibromoethane | 3.3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Isopropylbenzene | 4.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Benzyl chloride | 7.2 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| ortho-xylene Acetone | 3.4 20 | UG/L | ND 612 | ND 1070 | ND 1410 | ND 2940 | ND 795 | ND 871 | ND 1150 | ND 1380 | ND* ND* | ND | ND 1465** | ND 635 | ND 1155 |
| Acetone Carbon disulfide | 20 1 | UG/L UG/L | 613 1.2 | 1070 5.7 | 2.1 | 2940 21.6 | 1.9 | 8/1 | 1.5 | 2.0 | ND* ND* | 2.5 | 2.0 | 1.5 | 4.0 |
| 2-butanone | 4 | UG/L UG/L | I.Z ND | ND | 2.1 ND | ZI.0 ND | ND | ND | 1.5 ND | 2.0 ND | ND" | 2.5 ND | 2.0 ND | 1.5 ND | 4.0 ND |
| Z-Dutanone Methyl tert-butyl ether | 4 1 | UG/L UG/L | 2.2 | 5.3 | ND 2.7 | | ND 17.6 | 8.8 | ND | 2.8 | ND* | 3.1 | ND | ND 3.1 | ND 4.6 |
| Meenyi tert Dutyi ether | + | 10,00 | 4.4 | 5.5 | 4.1 | J.7 | 11.0 | 0.0 | UND | 2.0 | TND., | J.1 | IND | 2.1 | 1.0 |

nd=not detected; NS=not sampled; NA=not analyzed

* = Not reportable(Did not satisfy quality control criteria)

** = Not reportable(value exceeded calibration range)

POINT LOMA WASTEWATER TREATMENT PLANT SEWAGE ANNUAL Priority Pollutants Purgeables

From 01-JAN-2001 To 31-DEC-2001

| | | PL | r plr | PLR | PLR | PLR | PLR | PLF | R PLF | PLF | R PLR | PLF | R PLF | R PLE | ર |
|------------------------------|------|-------|-------|-------|-------|------|-------|-------|-------|-----|-------|------|-------|-------|---------|
| | | JAI | N FEB | MAR | APR | MAY | JUN | I JUI | AUG | SEI | P OCI | NOV | DEC | 2 | |
| Analyte | MDL | Units | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | | Average |
| | | | | | | | | | | | | | | | ===== |
| Chloromethane | 3.23 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromomethane | 1.39 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | <1.0 | ND | 1.1 | ND | 0.1 |
| Vinyl chloride | 1.04 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroethane | 3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-dichloroethene | 1.09 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane | 3.92 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride | 1.29 | UG/L | 1.9 | 1.6 | 1.6 | 2.1 | 2.9 | 2.0 | ND | ND | 3.3 | 3.7 | 3.2 | 1.8 | 2.0 |
| 1,1-dichloroethane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,2-dichloroethene | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | 1 | UG/L | 5.7 | 8.2 | 7.4 | 8.4 | 10.6 | 7.6 | 8.0 | 6.8 | 11.1 | 9.7 | 7.4 | 6.5 | 8.1 |
| 1,2-dichloroethane | 2.24 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-trichloroethane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Carbon tetrachloride | 1.92 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bromodichloromethane | 1.79 | UG/L | 1.6 | 4.5 | 3.0 | 1.3 | ND | 2.6 | 1.9 | ND | 1.9 | 3.8 | ND | 2.8 | 2.0 |
| 1,2-dichloropropane | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| trans-1,3-dichloropropene | 1.27 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | 1.32 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Benzene | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dibromochloromethane | 1.99 | UG/L | 1.2 | 3.4 | 2.4 | 1.2 | ND | 1.6 | 1.6 | ND | 1.3 | 2.7 | ND | 2.1 | 1.5 |
| 1,1,2-trichloroethane | 3.02 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| cis-1,3-dichloropropene | 1.01 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-chloroethylvinyl ether | 5 | UG/L | ND | * | ND | ND | ND | * | ND | ND | ND | ND | ND | ND | ND |
| Bromoform | 6.1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-tetrachloroethane | 3.13 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene | 1.04 | UG/L | ND | 1.3 | 1.2 | ND | ND | 1.3 | ND | ND | 3.5 | 3.9 | ND | ND | 0.9 |
| Toluene | 1.01 | UG/L | ND | 1.5 | 1.8 | 1.5 | 2.4 | 1.4 | ND | 1.1 | 1.3 | 1.1 | 1.5 | ND | 1.1 |
| Chlorobenzene | 1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Ethylbenzene | 1.46 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Acrylonitrile | 13.8 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Acrolein | 11.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| | ==== | ===== | | ===== | ===== | | ===== | ===== | ===== | | ===== | | ===== | | ===== |
| Halomethane Purgeable Cmpnds | 6.1 | UG/L | 2.8 | 7.9 | 5.4 | 2.5 | 0.0 | 4.2 | 3.5 | 0.0 | 3.2 | 6.5 | 1.1 | 4.9 | 3.5 |
| | ==== | ===== | | | | | | | | | | | | | |
| Purgeable Compounds | 13.8 | UG/L | 10.4 | 20.5 | 17.4 | 14.5 | 15.9 | 16.5 | 11.5 | 7.9 | 22.4 | 24.9 | 13.2 | 13.2 | 15.7 |
| | | | | | | | | | | | | | | | |

Additional analytes determined;

| | ==== | ===== | ===== | ===== | ===== | ===== | ===== | | ===== | ===== | | ===== | ===== | ===== | ===== |
|-------------------------|------|------------|-------|-------|-------|-------|-------|------|-------|-------|-----|-------|--------|-------|-------|
| Allyl chloride | 1.4 | $\rm UG/L$ | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 4-methyl-2-pentanone | 6.1 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| meta,para xylenes | 3.1 | UG/L | ND | ND | 4.1 | ND | ND | ND | ND | ND | ND* | ND | ND | ND | 0.4 |
| Styrene | 4.7 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.44 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Methyl Iodide | 1.3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | 29.5 | <1.3 | 2.7 |
| Chloroprene | 1.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Methyl methacrylate | 4.6 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 2-nitropropane | 10 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| 1,2-dibromoethane | 3.3 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Isopropylbenzene | 4.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Benzyl chloride | 7.2 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| ortho-xylene | 3.4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Acetone | 20 | UG/L | 364 | 1800 | 916 | 2760 | 397 | 212 | 1040 | 1310 | ND* | 132 | 1425** | 517 | 945 |
| Carbon disulfide | 1 | UG/L | ND | 1.0 | 1.4 | 21.3 | 1.3 | ND | ND | 2.0 | ND* | 1.3 | 2.8 | 1.6 | 3.0 |
| 2-butanone | 4 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND* | ND | ND | ND | ND |
| Methyl tert-butyl ether | 1 | UG/L | 2.2 | 3.2 | 1.8 | 11.2 | 4.8 | 21.6 | ND | 2.0 | ND* | 1.9 | ND | 3.6 | 4.8 |

nd=not detected; NS=not sampled; NA=not analyzed

* = Not reportable(Did not satisfy quality control criteria)

** = Not reportable(value exceeded calibration range)

POINT LOMA WASTEWATER TREATMENT PLANT Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery Analyzed by: Pacific Analytical Inc.

| | | | | PLE | PLE | PLE | PLE | PLE | PLE |
|-------------------------|-----|------------|-------|--------|--------|---------|----------|---------|---------|
| | | | | | FEB | MAR | | MAY | JUN |
| _ | | | | JAN | | | APR | | |
| Analyte | MDL | Units | Equiv | P94772 | P96934 | P99402 | P101845 | P106670 | P109842 |
| | === | ===== | ===== | | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | 1.000 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| octa CDD | 100 | PG/L | 0.001 | ND | ND | 780.000 | <100.000 | ND | ND |
| 2,3,7,8-tetra CDF | 10 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | 0.050 | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | $\rm PG/L$ | 0.001 | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | |

| | | | | PLE | PLE | PLE | PLE | PLE | PLE |
|-------------------------|-----|-------|-------|---------|---------|---------|---------|----------|-----------|
| | | | | JUL | AUG | SEP | OCT | NOV | DEC |
| Analyte | MDL | Units | Equiv | P112083 | P115641 | P117992 | P120742 | P123281 | P125689 |
| | === | ===== | | | | | | | ========= |
| 2,3,7,8-tetra CDD | 10 | PG/L | 1.000 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| octa CDD | 100 | PG/L | 0.001 | ND | 200.000 | ND | ND | <100.000 | <100.000 |
| 2,3,7,8-tetra CDF | 10 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | 0.050 | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | 0.001 | ND | ND | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers.

From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery Analyzed by: Pacific Analytical Inc.

| | | | PLE | PLE | PLE | PLE | PLE | PLE |
|-------------------------|-----|-------|--------|--------|--------|---------|---------|---------|
| | | | TCDD | TCDD | TCDD | TCDD | TCDD | TCDD |
| | | | JAN | FEB | MAR | APR | MAY | JUN |
| Analyte | MDL | Units | P94772 | P96934 | P99402 | P101845 | P106670 | P109842 |
| | === | ===== | | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| octa CDD | 100 | PG/L | ND | ND | 0.780 | 0.065 | ND | ND |
| 2,3,7,8-tetra CDF | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |

| | | | PLE | PLE | PLE | PLE | PLE | PLE |
|-------------------------|-----|-------|------------|---------|---------|---------|---------|---------|
| | | | TCDD | TCDD | TCDD | TCDD | TCDD | TCDD |
| | | | JUL | AUG | SEP | OCT | NOV | DEC |
| Analyte | MDL | Units | P112083 | P115641 | P117992 | P120742 | P123281 | P125689 |
| | === | ===== | ========== | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| octa CDD | 100 | PG/L | ND | 0.200 | ND | ND | 0.095 | 0.095 |
| 2,3,7,8-tetra CDF | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | ND | ND | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers.

From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery

| | | | | PLR | PLR | PLR | PLR | PLR | PLR | |
|-------------------------|-----|-------|-------|--------|--------|---------|---------|---------|---------|--|
| | | | | JAN | FEB | MAR | APR | MAY | JUN | |
| Analyte | MDL | Units | Equiv | ₽94775 | P96939 | P99405 | P101848 | P106675 | P109845 | |
| | === | ===== | ===== | | | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | 1.000 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,7,8-penta CDD | 50 | PG/L | 0.500 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | 0.010 | ND | NA | <50.000 | ND | ND | ND | |
| octa CDD | 100 | PG/L | 0.001 | ND | NA | 630.000 | 220.000 | 180.000 | 580.000 | |
| 2,3,7,8-tetra CDF | 10 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,7,8-penta CDF | 50 | PG/L | 0.050 | ND | NA | ND | ND | ND | ND | |
| 2,3,4,7,8-penta CDF | 50 | PG/L | 0.500 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | 0.010 | ND | NA | ND | ND | ND | ND | |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | 0.010 | ND | NA | ND | ND | ND | ND | |
| octa CDF | 100 | PG/L | 0.001 | ND | NA | ND | ND | ND | ND | |
| | | | | | | | | | | |

| | | | | PLR JUL | PLR AUG | PLR SEP | PLR OCT | PLR NOV | PLR DEC |
|-------------------------|-----|-------|-------|------------|------------|------------|------------|------------|------------|
| Analyte | MDL | Units | Equiv | P112086 | P115646 | P117995 | P120747 | P123284 | P125692 |
| | === | ===== | ===== | | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | 1.000 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | 0.010 | ND | ND | ND | ND | 430.000 | ND |
| octa CDD | 100 | PG/L | 0.001 | ND | 170.000 | ND | ND | 3800.000 | ND |
| 2,3,7,8-tetra CDF | 10 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | 0.050 | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | 0.500 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | 0.100 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | 73.000 | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | 0.010 | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | 0.001 | ND | ND | ND | ND | 330.000 | ND |

Above are permit required CDD/CDF isomers.

POINT LOMA WASTEWATER TREATMENT PLANT Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2001 To 31-DEC-2001

| | | | PLR | PLR | PLR | PLR | PLR | PLR |
|-------------------------|-----|-------|--------|--------|--------|---------|---------|---------|
| | | | TCDD | TCDD | TCDD | TCDD | TCDD | TCDD |
| | | | JAN | FEB | MAR | APR | MAY | JUN |
| Analyte | MDL | Units | P94775 | P96939 | P99405 | P101848 | P106675 | P109845 |
| | === | ===== | | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | ND | NA | 0.370 | ND | ND | ND |
| octa CDD | 100 | PG/L | ND | NA | 0.630 | 0.220 | 0.180 | 0.580 |
| 2,3,7,8-tetra CDF | 10 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | ND | NA | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | ND | NA | ND | ND | ND | ND |
| | | | | | | | | |

| | | | PLR | PLR | PLR | PLR | PLR | PLR |
|-------------------------|-----|-------|------------|---------|---------|---------|---------|---------|
| | | | TCDD | TCDD | TCDD | TCDD | TCDD | TCDD |
| | | | JUL | AUG | SEP | OCT | NOV | DEC |
| Analyte | MDL | Units | P112086 | P115646 | P117995 | P120747 | P123284 | P125692 |
| | === | ===== | ========== | | | | | |
| 2,3,7,8-tetra CDD | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 50 | PG/L | ND | ND | ND | ND | 4.300 | ND |
| octa CDD | 100 | PG/L | ND | 0.170 | ND | ND | 3.800 | ND |
| 2,3,7,8-tetra CDF | 10 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 50 | PG/L | ND | ND | ND | ND | 0.730 | ND |
| 1,2,3,4,7,8,9-hepta CDF | 50 | PG/L | ND | ND | ND | ND | ND | ND |
| octa CDF | 100 | PG/L | ND | ND | ND | ND | 0.330 | ND |
| | | | | | | | | |

Above are permit required CDD/CDF isomers.

2001 Point Loma Treatment Plant Total Coliforms

The following are the monthly Total Coliform results of the Point Loma Treatment Plant Effluent. The value is stated in terms of Most Probable Number (MPN) per 100 milliliters of sample.

| TOTAL COLIFORM (MPN Index/100ml) |
|--|
| 17,000,000 |
| 8,000,000 |
| 8,000,000 |
| 8,000,000 |
| 5,000,000 |
| 50,000,000 |
| 5,000,000 |
| 5,000,000 |
| 30,000,000 |
| 8,000,000 |
| 30,000,000 |
| 17,000,000 |
| 15,916,667 |
| |

SAMPLE SOURCE (Pt. Loma Treatment Plant Effluent)

POINT LOMA WASTEWATER TREATMENT PLANT From 01-JAN-2001 To 31-DEC-2001

SAMPLED BY: NL,JC,GR,MS,MC ANALYZED BY: HD,JC,MC,GR,GS,JW,FM

| | Total | | Calcium | | 5 | Magnesium | | Calcium | | ium |
|-----------------|------------|--------|-----------|------|-----------|-----------|-----------|---------|------|------|
| | Hardne | ess | Hardness | | Hardne | Hardness | | | | |
| MDL: | .22 | mg/L | .2 | mg/L | .08 | mg/L | .08 | mg/L | .02 | mg/L |
| | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. |
| | | | ========= | | ========= | | ========= | | | |
| JANUARY -2001 | 430 | 399 | 221 | 198 | 208 | 200 | 89 | 79 | 51 | 49 |
| FEBRUARY -2001 | 394 | 391 | 207 | 202 | 187 | 189 | 83 | 81 | 45 | 46 |
| MARCH -2001 | 408 | 400 | 211 | 199 | 197 | 200 | 85 | 80 | 48 | 49 |
| APRIL -2001 | 421 | 405 | 221 | 208 | 200 | 197 | 89 | 83 | 49 | 48 |
| MAY -2001 | 440 | 406 | 228 | 207 | 212 | 199 | 91 | 83 | 52 | 48 |
| JUNE -2001 | 422 | 394 | 220 | 200 | 202 | 194 | 88 | 80 | 49 | 47 |
| JULY -2001 | 406 | 381 | 217 | 196 | 189 | 185 | 87 | 78 | 46 | 45 |
| AUGUST -2001 | 423 | 392 | 226 | 210 | 198 | 182 | 90 | 84 | 48 | 44 |
| SEPTEMBER-2001 | 424 | 395 | 216 | 202 | 208 | 193 | 87 | 81 | 50 | 47 |
| OCTOBER -2001 | 431 | 413 | 219 | 205 | 212 | 207 | 88 | 82 | 52 | 50 |
| NOVEMBER -2001 | 408 | 398 | 206 | 198 | 201 | 200 | 83 | 79 | 49 | 49 |
| DECEMBER -2001 | 392 | 358 | 199 | 178 | 193 | 180 | 80 | 71 | 47 | 44 |
| =============== | ========== | ====== | ========= | | ========= | ====== | | | | |
| Average: | 417 | 394 | 216 | 200 | 201 | 194 | 87 | 80 | 49 | 47 |

| | Alkalinity | | Total | | Total | Vol. | Conducti | vity | Fluori | de | |
|----------------|------------|------|-----------|--------|-----------|------|-----------|--------|-----------|-------------------|--|
| | | | Solid | Solids | | ls | | | | | |
| MDL: | 8 | mg/L | 100 | mg/L | 100 | mg/L | 10um | hos/cm | .03 | mg/L | |
| | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | |
| ============== | | | | | | | | | | ================= | |
| JANUARY -2001 | 284 | 256 | 1730 | 1510 | 431 | 263 | 2520 | 2520 | 0.61 | 0.55 | |
| FEBRUARY -2001 | 283 | 259 | 1790 | 1590 | 460 | 261 | 2560 | 2630 | 0.55 | 0.63 | |
| MARCH -2001 | 291 | 271 | 1840 | 1590 | 444 | 278 | 2680 | 2690 | 0.74 | 0.75 | |
| APRIL -2001 | 297 | 272 | 1840 | 1610 | 502 | 291 | 2660 | 2680 | 0.70 | 0.69 | |
| MAY -2001 | 291 | 269 | 1860 | 1630 | 510 | 311 | 2690 | 2700 | 0.74 | 0.67 | |
| JUNE -2001 | 290 | 265 | 1730 | 1530 | 440 | 259 | 2510 | 2540 | 0.93 | 0.90 | |
| JULY -2001 | 288 | 263 | 1690 | 1460 | 443 | 270 | 2460 | 2480 | 0.84 | 0.82 | |
| AUGUST -2001 | 287 | 263 | 1720 | 1510 | 439 | 252 | 2470 | 2480 | 0.85 | 0.85 | |
| SEPTEMBER-2001 | 290 | 266 | 1820 | 1590 | 413 | 230 | 2650 | 2670 | 0.86 | 0.81 | |
| OCTOBER -2001 | 286 | 265 | 1810 | 1620 | 478 | 310 | 2660 | 2660 | 0.71 | 0.76 | |
| NOVEMBER -2001 | 284 | 235 | 1760 | 1530 | 457 | 269 | 2550 | 2570 | 0.84 | 0.80 | |
| DECEMBER -2001 | 278 | 231 | 1730 | 1530 | 436 | 274 | 2520 | 2550 | 0.65 | 0.68 | |
| ============== | ======== | | ========= | | ========= | | ========= | ====== | ========= | ====== | |
| Average: | 287 | 260 | 1777 | 1558 | 454 | 272 | 2578 | 2598 | 0.75 | 0.74 | |

| | Chloride | | Bromide | | Sulfa | Sulfate | | Nitrate | | Ortho Phosphate | |
|----------------|----------|------|-----------|--------|-------|---------|------|---------|------|--------------------|--|
| MDL: | .8 | mg/L | .02 | mg/L | .5 | mg/L | .03 | mg/L | .05 | mg/L | |
| | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | |
| | | | ========= | ====== | | | | | | | |
| JANUARY -2001 | 493 | 511 | 1.28 | 1.29 | 258 | 253 | 0.29 | 0.38 | 5.22 | ND | |
| FEBRUARY -2001 | 500 | 524 | 1.11 | 1.17 | 278 | 274 | 0.42 | ND | 5.84 | ND | |
| MARCH -2001 | 520 | 535 | 1.78 | 1.44 | 292 | 287 | 0.52 | 0.79 | 5.98 | 0.33 | |
| APRIL -2001 | 527 | 540 | 1.34 | 1.34 | 286 | 279 | 0.51 | 0.10 | 5.04 | ND | |
| MAY -2001 | 562 | 572 | 1.55 | 1.54 | 291 | 281 | 0.59 | 0.67 | 5.91 | 1.02 | |
| JUNE -2001 | 520 | 526 | 1.45 | 1.38 | 290 | 276 | 0.50 | 1.04 | 5.11 | ND | |
| JULY -2001 | 549 | 564 | 1.35 | 1.36 | 304 | 292 | 0.53 | 0.43 | 7.82 | 1.71 | |
| AUGUST -2001 | 529 | 538 | 1.38 | 1.36 | 277 | 265 | 0.29 | 0.26 | 6.89 | 1.40 | |
| SEPTEMBER-2001 | 588 | 592 | 1.57 | 1.53 | 275 | 265 | ND | ND | 6.09 | 1.79 | |
| OCTOBER -2001 | 542 | 553 | 1.39 | 1.40 | 281 | 272 | 1.00 | 1.04 | 6.46 | 1.90 | |
| NOVEMBER -2001 | 523 | 528 | 1.42 | 1.26 | 259 | 254 | 0.07 | 0.79 | 6.33 | 1.26 | |
| DECEMBER -2001 | 509 | 519 | 1.17 | 1.14 | 252 | 249 | 0.20 | 0.68 | 5.47 | ND | |
| | | | | ===== | | | | | | | |
| Average: | 530 | 542 | 1.40 | 1.35 | 279 | 271 | 0.41 | 0.52 | 6.01 | 0.78 | |

ND=not detected; NS=not sampled; NA=not analyzed; NR=not required

SAMPLED BY: NL, JC, GR, MS, MC ANALYZED BY: HD, JC, MC, GR, GS, JW, FM

| | Lithium | | Sodiu | Sodium | | Potassium | | Chemical Oxygen Demand | | le |
|-----------------|---------|------|-------|--------|------|-----------|------|---------------------------|----------|------|
| MDI.: | .01 | mq/L | .3 | mq/L | 2 | mq/L | 22 | mq/L | BOD 2 | mq/L |
| | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. |
| | | | | | | | | | | |
| =============== | | | | | | | | | | |
| JANUARY -2001 | 0.05 | 0.04 | 336 | 322 | 26.4 | 23.5 | 529 | 205 | 74 | 62 |
| FEBRUARY -2001 | 0.05 | 0.03 | 296 | 314 | 27.7 | 28.6 | 572 | 224 | 80 | 70 |
| MARCH -2001 | 0.05 | 0.05 | 320 | 324 | 28.1 | 26.8 | 550 | 232 | 81 | 71 |
| APRIL -2001 | 0.04 | 0.04 | 325 | 329 | 28.4 | 27.8 | 592 | 228 | 93 | 65 |
| MAY -2001 | 0.04 | 0.06 | 342 | 334 | 33.2 | 30.4 | 596 | 239 | 96 | 66 |
| JUNE -2001 | 0.05 | 0.05 | 309 | 310 | 29.4 | 28.4 | 562 | 240 | 75 | 57 |
| JULY -2001 | 0.06 | 0.05 | 308 | 302 | 25.6 | 25.4 | 600 | 249 | 82 | 52 |
| AUGUST -2001 | 0.06 | 0.05 | 314 | 285 | 28.3 | 27.0 | 574 | 238 | 85 | 50 |
| SEPTEMBER-2001 | 0.06 | 0.05 | 338 | 314 | 31.1 | 28.4 | 579 | 231 | 88 | 51 |
| OCTOBER -2001 | 0.06 | 0.06 | 348 | 337 | 34.0 | 32.9 | 561 | 214 | 93 | 50 |
| NOVEMBER -2001 | 0.04 | 0.05 | 323 | 327 | 25.7 | 26.0 | 530 | 207 | 84 | 47 |
| DECEMBER -2001 | 0.05 | 0.04 | 300 | 290 | 25.2 | 25.1 | 563 | 215 | 80 | 54 |
| | | | | ===== | | ===== | | | | |
| Average: | 0.05 | 0.05 | 322 | 316 | 28.6 | 27.5 | 567 | 227 | 84 | 58 |

| | Total Dis Solio | | Floatab | les | Turbid | ity | Aluminum | | Barium | |
|---|---|---|--|---|---|---|---|---|--|--|
| MDL: | 42 | mg/L | .1 | mg/L | | NTU | 50 | ug/L | 10 | ug/L |
| | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. | Inf. | Eff. |
| | | | | | | | | | | |
| JANUARY -2001 | 1440 | 1440 | 2.5 | 0.1 | 120 | 31 | 1920 | 85 | 107 | 30 |
| FEBRUARY -2001 | 1460 | 1460 | 2.6 | 0.2 | 120 | 36 | 1790 | 191 | 112 | 34 |
| MARCH -2001 | 1510 | 1510 | 2.2 | 0.2 | 120 | 38 | 1830 | 154 | 114 | 37 |
| APRIL -2001 | 1520 | 1520 | 2.6 | 0.1 | 140 | 43 | 1760 | 68 | 123 | 33 |
| MAY -2001 | 1540 | 1550 | 2.0 | 0.1 | 140 | 43 | 1730 | 86 | 118 | 34 |
| JUNE -2001 | 1430 | 1440 | 1.4 | 0.1 | 140 | 43 | 1790 | 113 | 123 | 36 |
| JULY -2001 | 1400 | 1400 | 1.4 | 0.2 | 140 | 42 | 1860 | 157 | 119 | 33 |
| AUGUST -2001 | 1410 | 1420 | 1.5 | 0.1 | 140 | 42 | 1730 | 260 | 123 | 37 |
| SEPTEMBER-2001 | 1500 | 1500 | 1.2 | 0.1 | 140 | 44 | 4210 | 256 | 124 | 39 |
| OCTOBER -2001 | 1510 | 1530 | 1.0 | 0.1 | 140 | 44 | 1730 | 270 | 115 | 38 |
| NOVEMBER -2001 | 1470 | 1500 | 1.2 | 0.1 | 140 | 39 | 1800 | 246 | 120 | 35 |
| DECEMBER -2001 | 1450 | 1460 | 1.8 | 0.1 | 140 | 39 | 1770 | 208 | 117 | 35 |
| | | | | ===== | | ===== | | | | |
| Average: | 1470 | 1478 | 1.8 | 0.1 | 135 | 40 | 1993 | 175 | 118 | 35 |
| MDL: | Boron 15 Inf. | ug/L Eff. | Cobalt 4 Inf. | ug/L Eff. | Molybdenum 3 Inf. | ug/L Eff. | Manganese 4 Inf. | ug/L Eff. | Vanadium 7 Inf. | ug/L Eff. |
| | | | | ====== | | | | | | |
| JANUARY -2001 | 533 | 505 | ND | ND | 5 | б | 155 | 164 | ND | ND |
| FEBRUARY -2001 | 497 | 492 | ND | ND | 9 | <3 | 149 | 166 | ND | ND |
| MARCH -2001 | 532 | 543 | NR | | | | | | | NR |
| APRIL -2001 | | | INIC | NR | NR | NR | 140 | 157 | NR | INPC |
| | 484 | 409 | NR | NR NR | NR NR | NR NR | 140 155 | 157 153 | NR NR | NR |
| MAY -2001 | 484 537 | | | | | | | | | |
| MAY -2001 JUNE -2001 | | 409 | NR | NR | NR | NR | 155 | 153 | NR | NR |
| | 537 | 409 462 | NR ND | NR ND | NR 11 | NR 12 | 155 146 | 153 161 | NR ND | NR ND |
| JUNE -2001 | 537 499 | 409 462 501 | NR ND NR | NR ND NR | NR 11 NR | NR 12 NR | 155 146 205 | 153 161 175 | NR ND NR | NR ND NR |
| JUNE -2001 JULY -2001 | 537 499 458 | 409 462 501 354 | NR ND NR ND | NR ND NR ND | NR 11 NR 7 | NR 12 NR 12 | 155 146 205 146 | 153 161 175 153 | NR ND NR ND | NR ND NR ND |
| JUNE -2001 JULY -2001 AUGUST -2001 | 537 499 458 493 | 409 462 501 354 458 | NR ND NR ND | NR ND NR ND <4 | NR 11 NR 7 8 | NR 12 NR 12 7 | 155 146 205 146 156 | 153 161 175 153 160 | NR ND NR <7 | NR ND NR ND |
| JUNE -2001 JULY -2001 AUGUST -2001 SEPTEMBER-2001 | 537 499 458 493 1500 | 409 462 501 354 458 470 | NR ND ND ND ND | NR ND NR ND <4 ND | NR 11 NR 7 8 13 | NR 12 NR 12 7 8 | 155 146 205 146 156 149 | 153 161 175 153 160 165 | NR ND NR <7 <7 | NR ND NR ND ND |
| JUNE -2001 JULY -2001 AUGUST -2001 SEPTEMBER-2001 0CTOBER | 537 499 458 493 1500 535 | 409 462 501 354 458 470 486 | NR ND NR ND ND ND | NR ND NR ND <4 ND ND | NR 11 NR 7 8 13 9 | NR 12 NR 12 7 8 7 | 155 146 205 146 156 149 160 | 153 161 175 153 160 165 171 | NR ND ND <7 <7 <7 | NR ND ND ND ND ND |
| JUNE -2001 JULY -2001 AUGUST -2001 SEPTEMBER-2001 0CTOBER OCTOBER -2001 NOVEMBER -2001 | 537 499 458 493 1500 535 474 515 | 409 462 501 354 458 470 486 383 440 | NR ND NR ND ND ND NR <4 | NR ND <10 ND <4 ND ND NR ND | NR 11 NR 7 8 13 9 NR <3 | NR 12 NR 12 7 8 7 NR NR ND | 155 146 205 146 156 149 160 155 148 | 153 161 175 153 160 165 171 146 156 | NR ND <7 <7 NR <7 | NR ND ND ND ND ND NR ND |
| JUNE -2001 JULY -2001 AUGUST -2001 SEPTEMBER-2001 0CTOBER OCTOBER -2001 NOVEMBER -2001 DECEMBER -2001 | 537 499 458 493 1500 535 474 515 | 409 462 501 354 458 470 486 383 440 | NR ND ND ND ND ND NR <4 | NR ND ND <4 ND ND NR ND | NR 11 NR 7 8 13 9 NR <3 | NR 12 NR 12 7 8 7 NR ND | 155 146 205 146 156 149 160 155 148 | 153 161 175 153 160 165 171 146 156 | NR ND ND <7 <7 <7 NR <7 | NR ND ND ND ND ND NR ND |

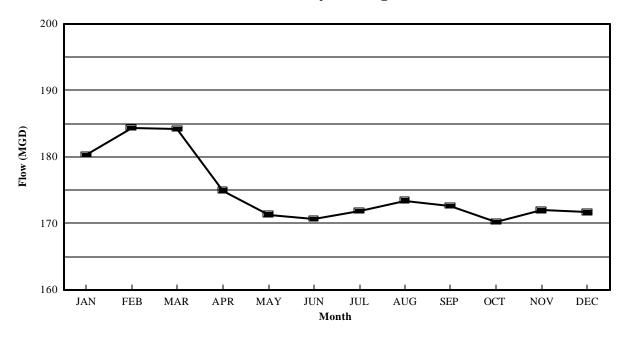
ND=not detected; NS=not sampled; NA=not analyzed; NR=not required

B. Influent and Effluent Graphs.

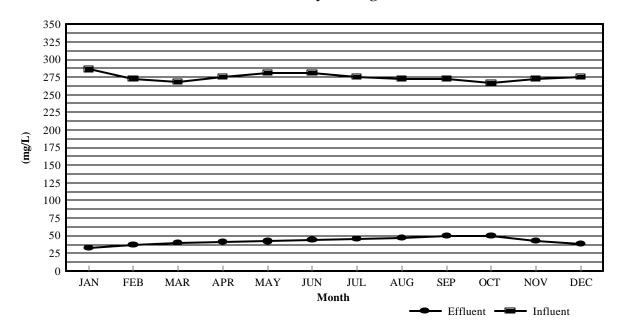
Graphs of monthly averages for permit parameters with measurable concentration averages.

Where possible, the influent and effluent values of a given parameter have been included on the same graph so that removals and other relationships are readily apparent. Please note that many of the graphs are on expanded scales, that is they normally don't go to zero concentrations but show, in magnified scale, that range of concentrations where variation takes place. This makes differences and some trends obvious that might normally not be noticed, however, it also provides the temptation to interpret minor changes or trends as being of more significance than they are. Frequent reference to the scales and the actual differences in concentrations is therefore necessary.

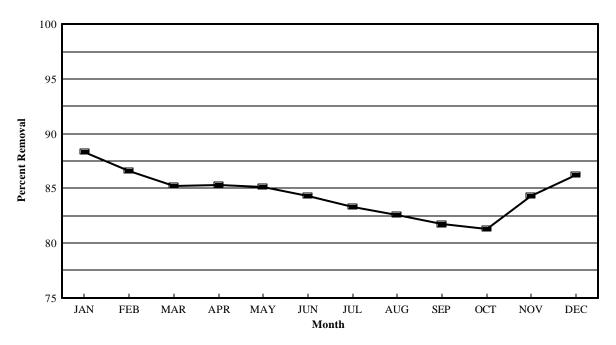
Flows (MGD) 2001 Monthly Averages



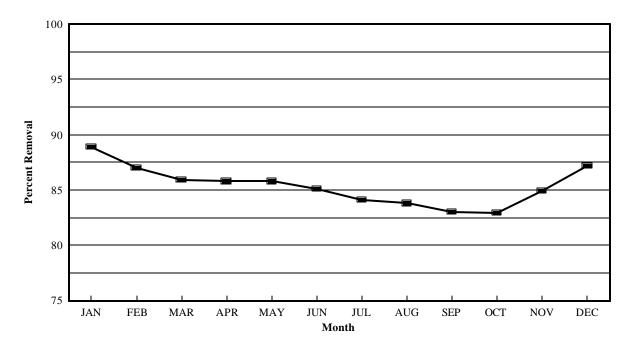
Total Suspended Solids (mg/L) 2001 Monthly Averages



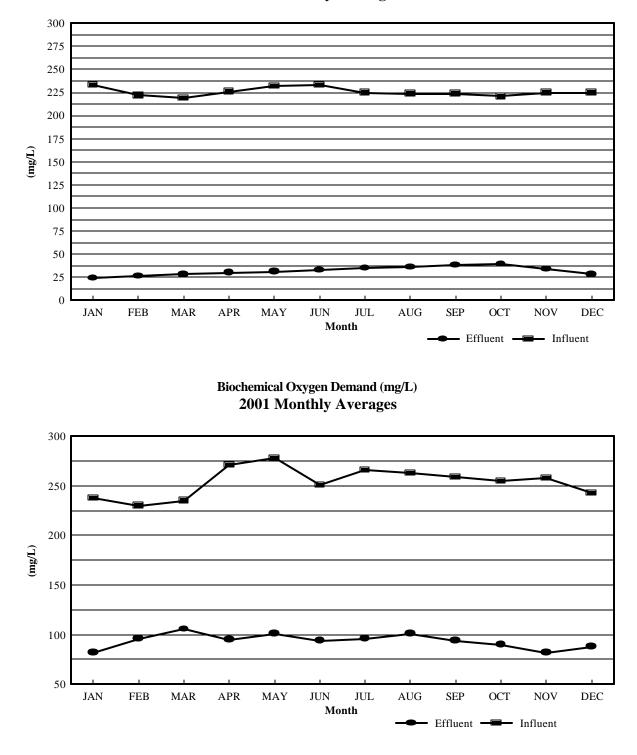
Total Suspended Solids (%) Removal 2001 Monthly Averages at Point Loma



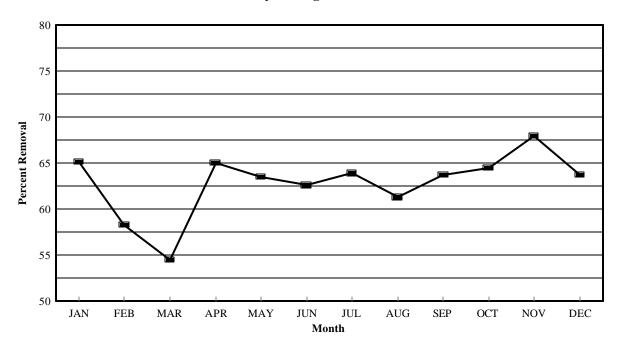
Total Suspended Solids (%) Removal 2001 Monthly Averages Systemwide



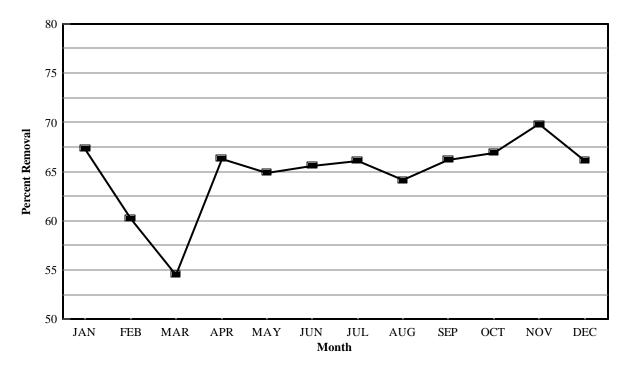
Volatile Suspended Solids (mg/L) 2001 Monthly Averages



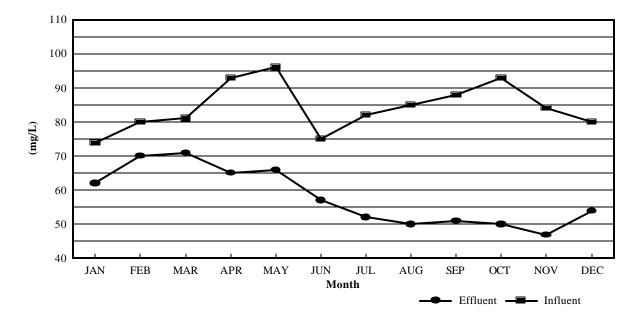
Biochemical Oxygen Demand (%) Removal 2001 Monthly Averages at Point Loma



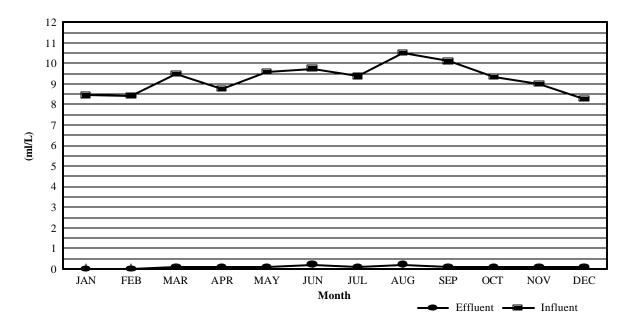
Biochemical Oxygen Demand (%) Removal 2001 Monthly Averages Systemwide



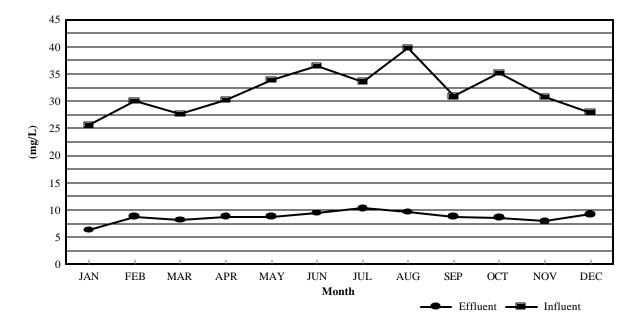
Soluble Biochemical Oxygen Demand 2001 Monthly Averages



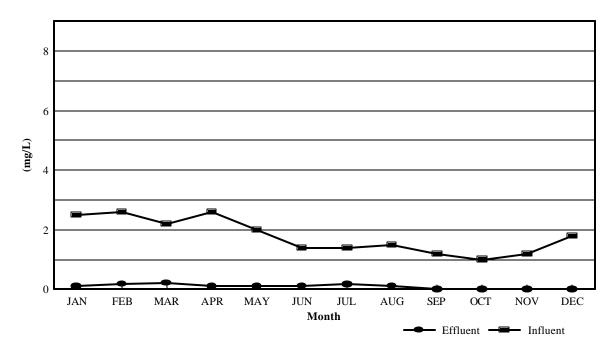
Settleable Solids (ml/L) 2001 Monthly Averages



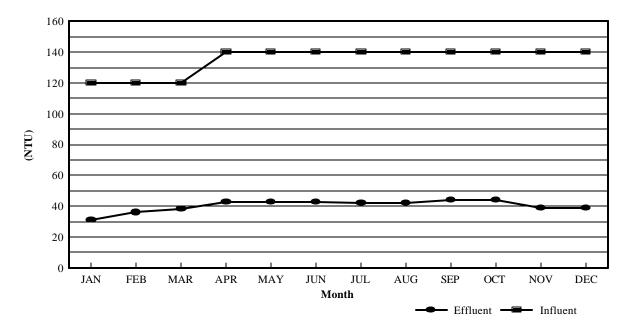
Oil and Grease (mg/L) 2001 Monthly Averages



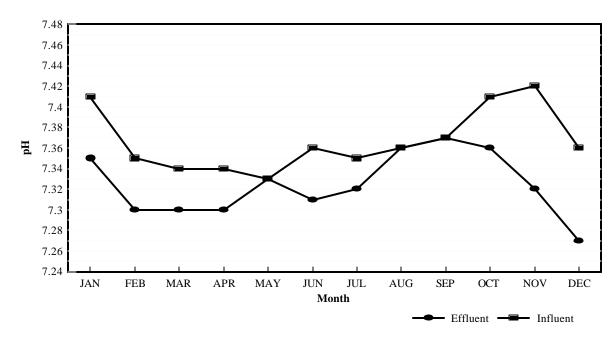
Floatables (mg/L) 2001 Monthly Averages



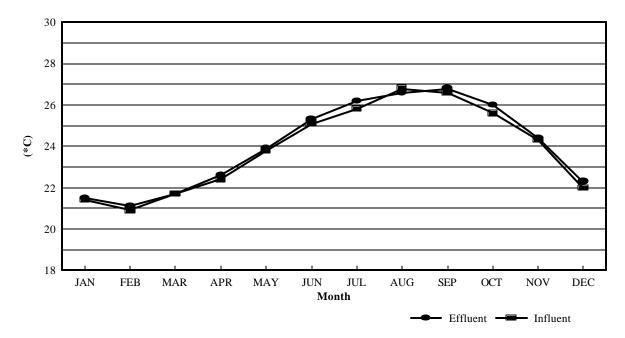
Turbidity (NTU) 2001 Monthly Averages



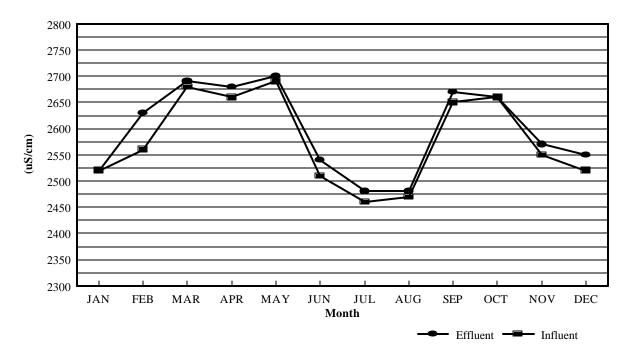
pH 2001 Monthly Averages



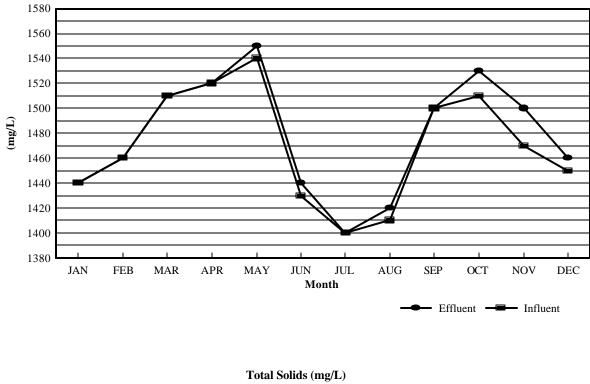
Temperature (*C) 2001 Monthly Averages



Conductivity (uS/cm) 2001 Monthly Averages

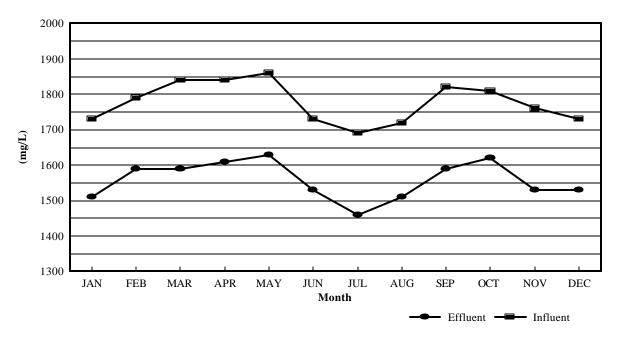


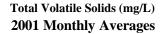
Total Dissolved Solids (mg/L) 2001 Monthly Averages

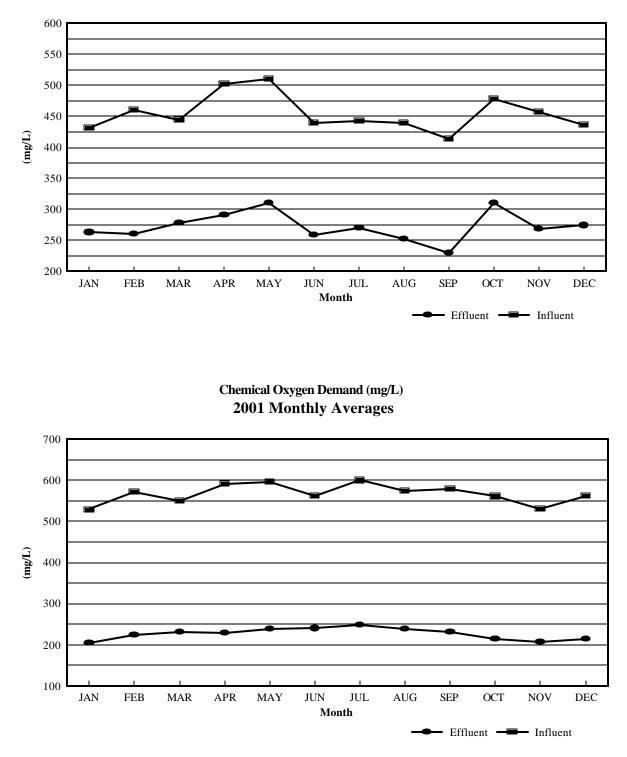


 Total Solids (mg/L)

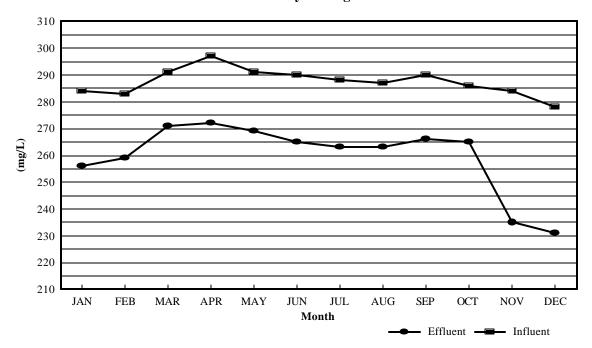
 2001 Monthly Averages

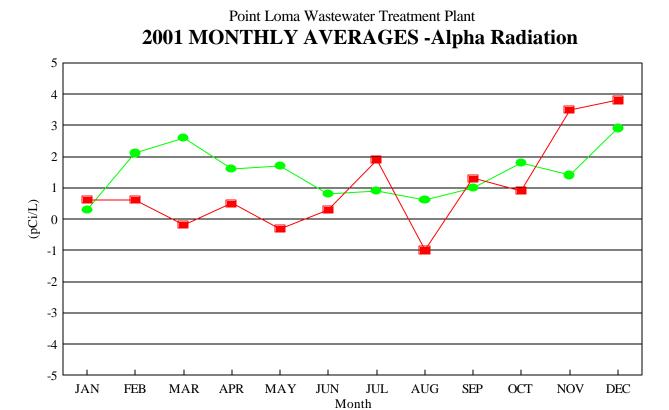






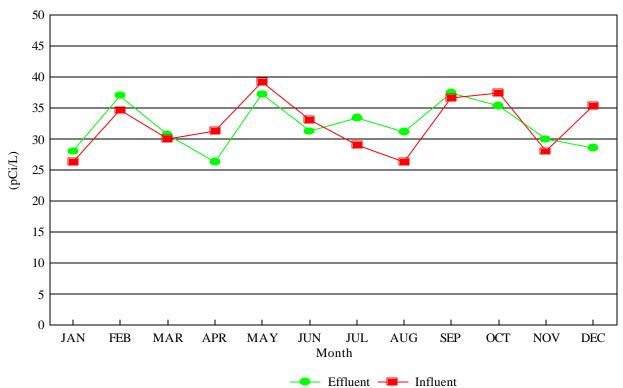
Alkalinity (mg/L) 2001 Monthly Averages



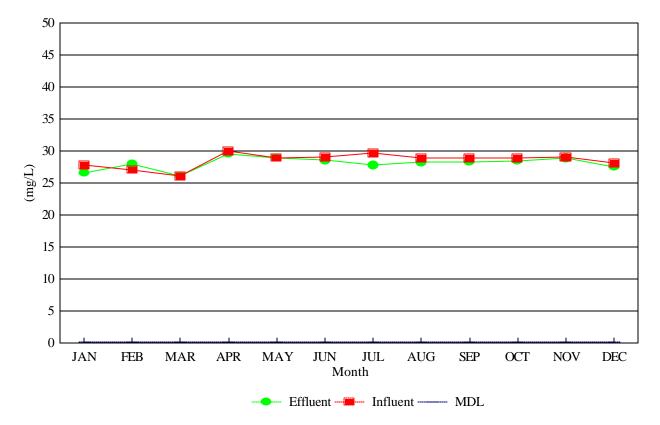


---- Effluent ----- Influent

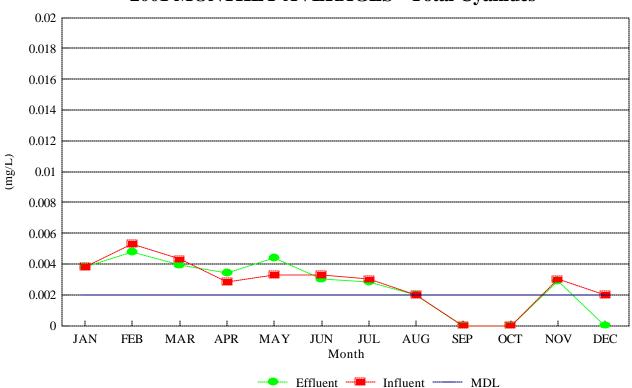
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES -Beta Radiation



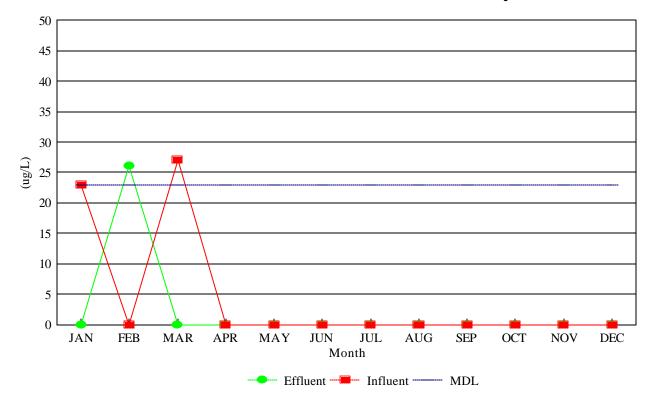
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Ammonia-N



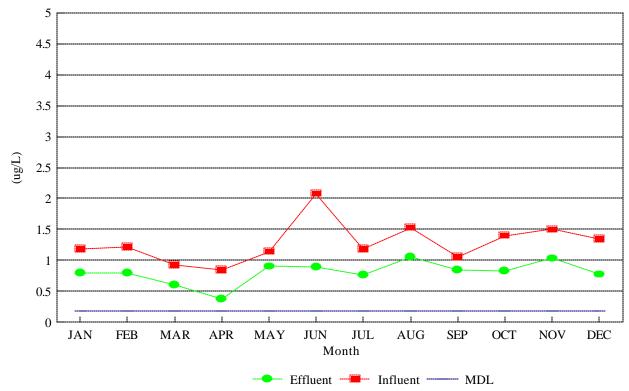
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Total Cyanides



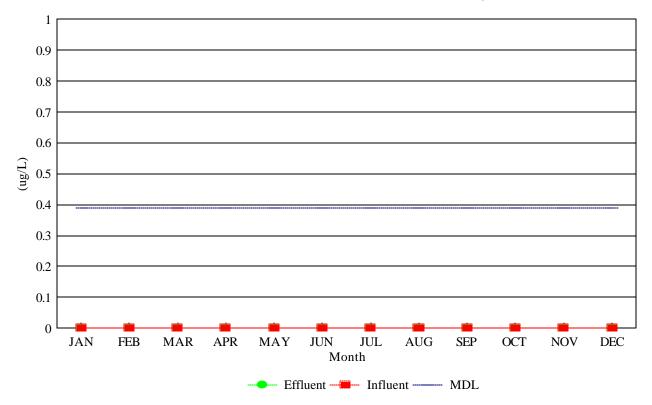
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Antimony

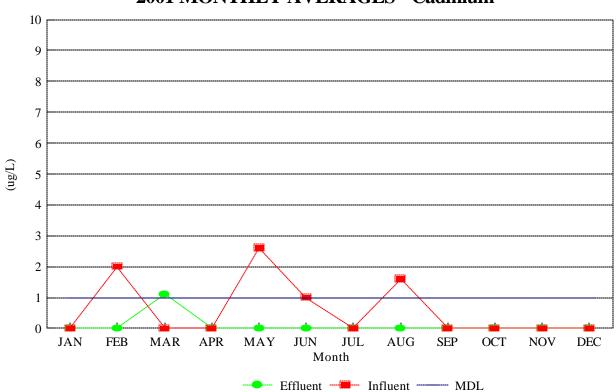


Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Arsenic



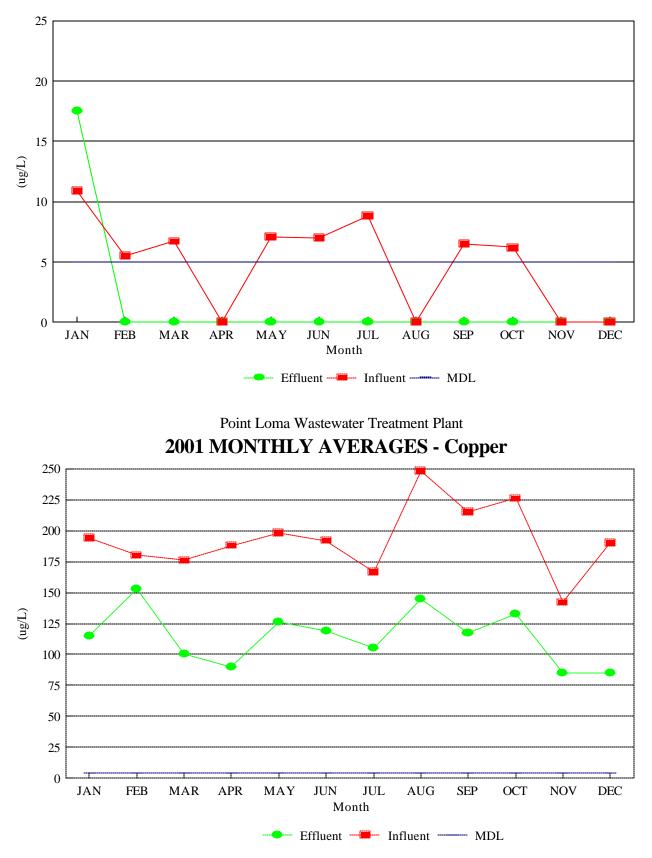
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Beryllium



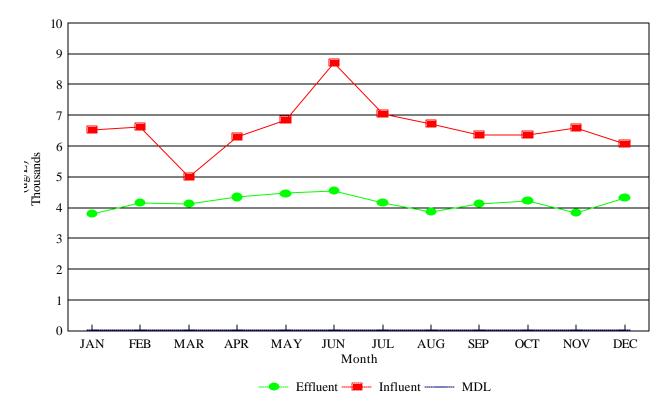


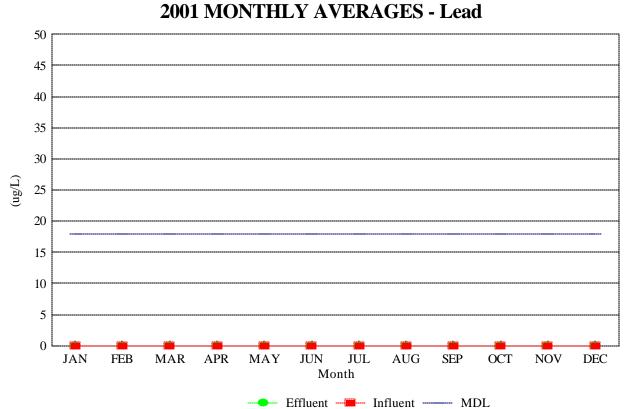
2001 MONTHLY AVERAGES - Cadmium

Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Chromium

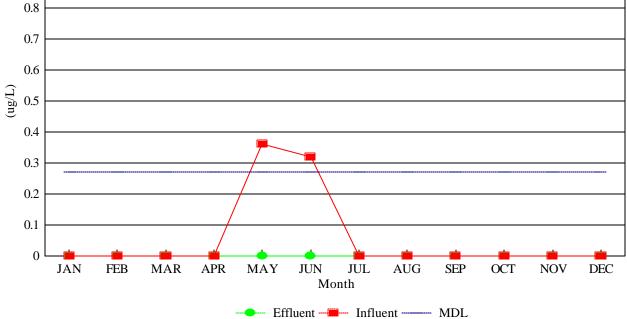


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Iron

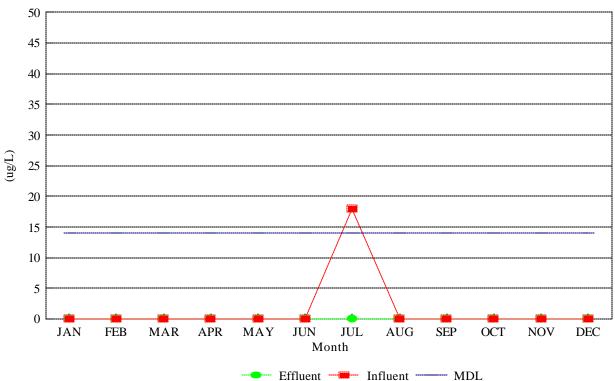


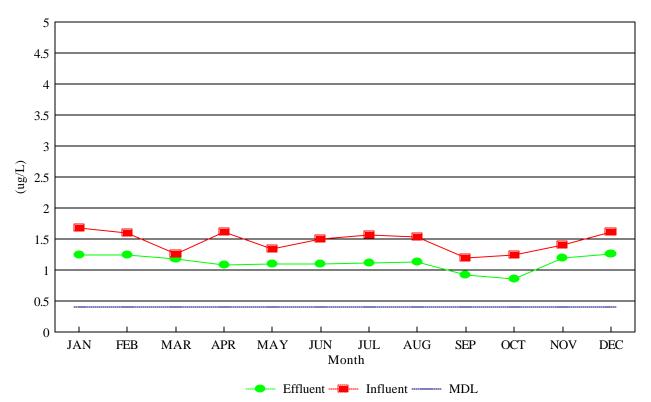


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Mercury

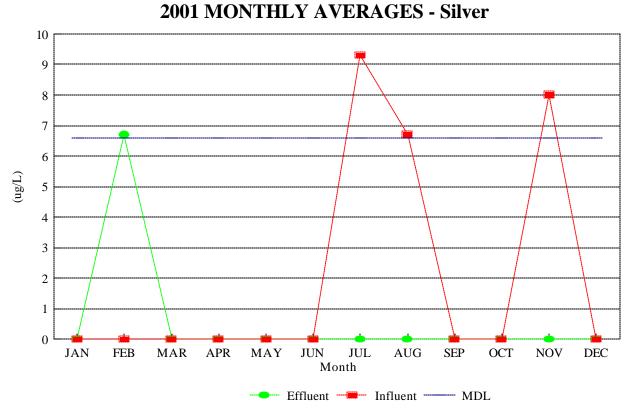


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Nickel

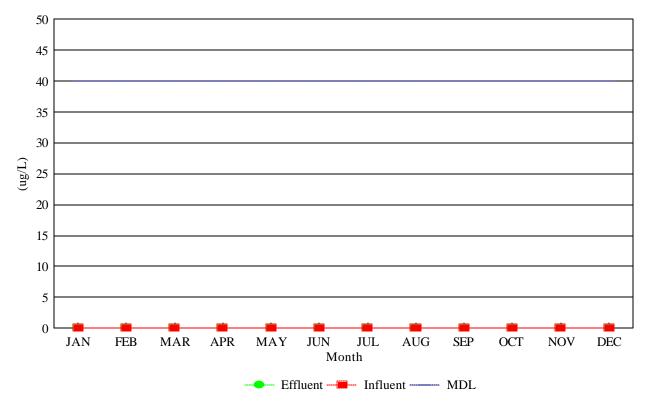


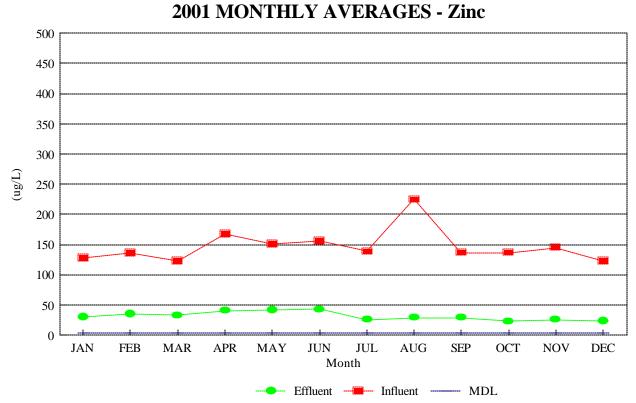


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Selenium

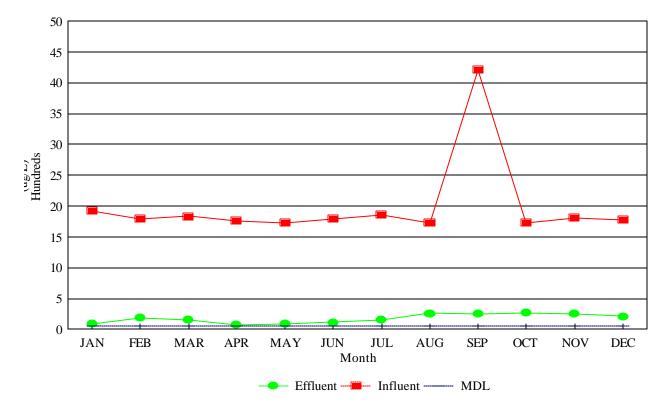


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Thallium

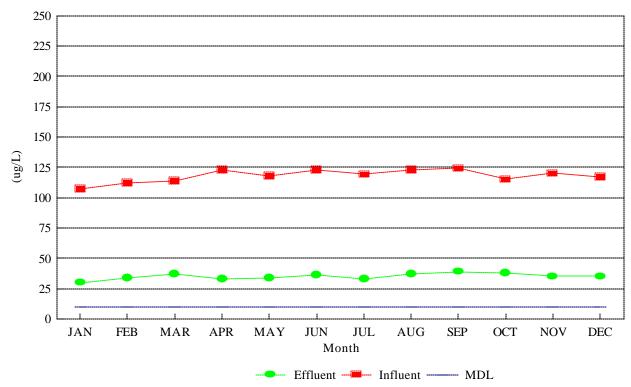




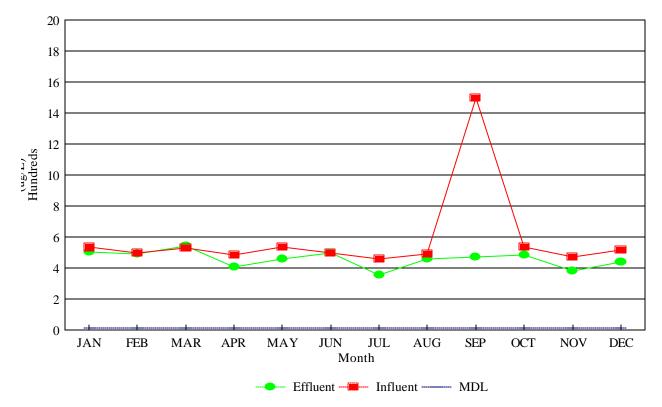
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Aluminum



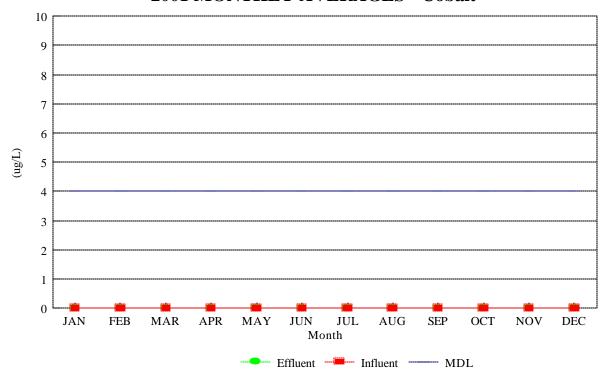
Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Barium

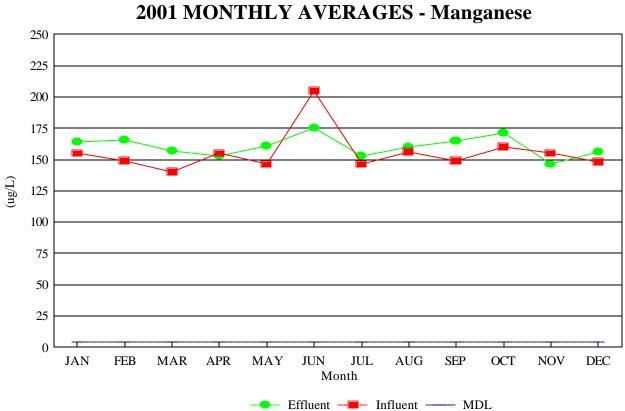


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Boron



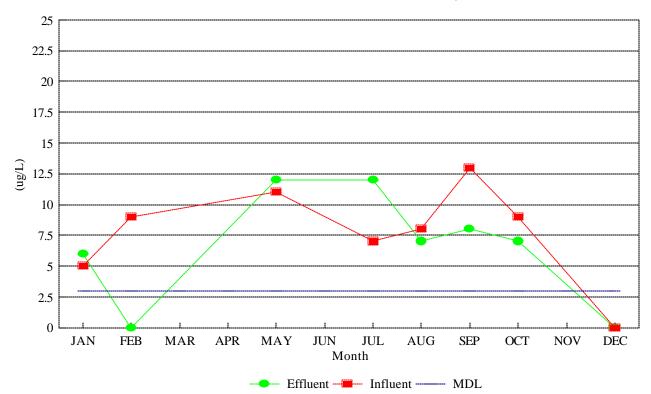
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Cobalt



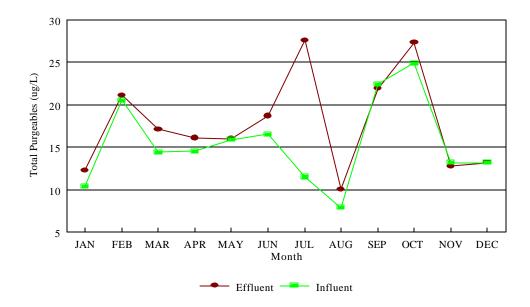


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Manganes

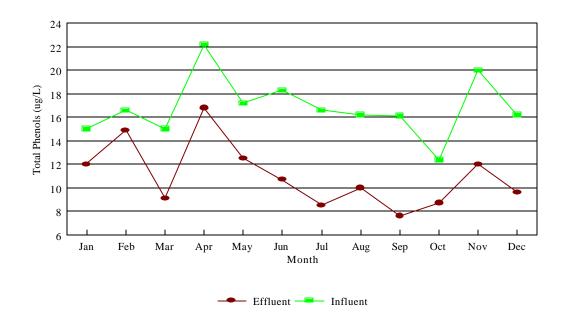
2001 MONTHLY AVERAGES - Molybdenum



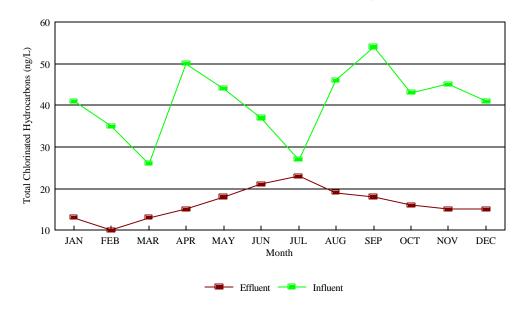
Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Purgeables



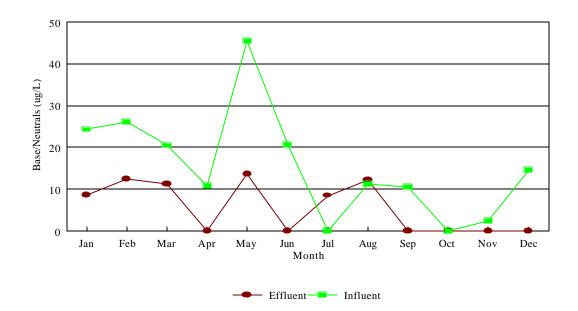
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Phenols (ug/L)

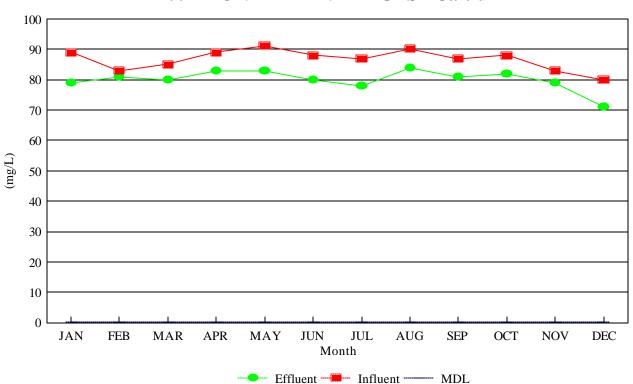


Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - TCH (ng/L)



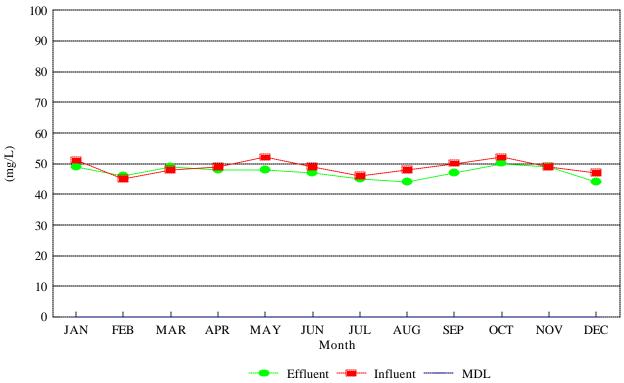
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Base/Neutrals





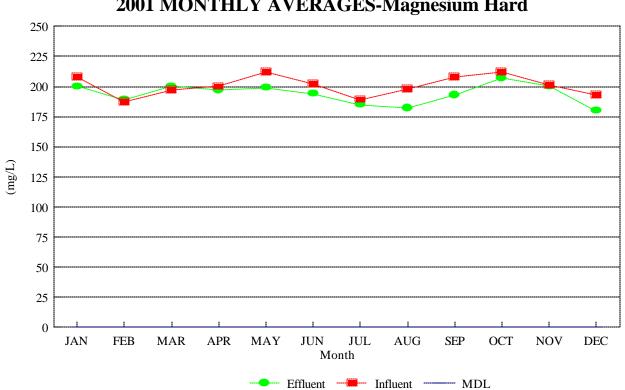
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Calcium

Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Magnesium



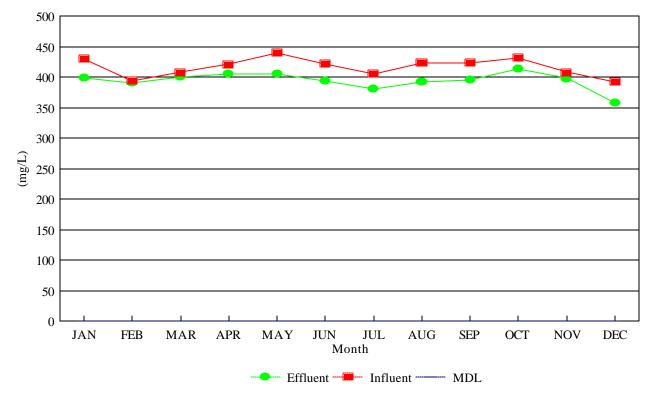
250 225 200 175 150 (mg/L) 125 100 75 50 25 0 FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN Month – Effluent – Influent – MDL

Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES-Calcium Hardness

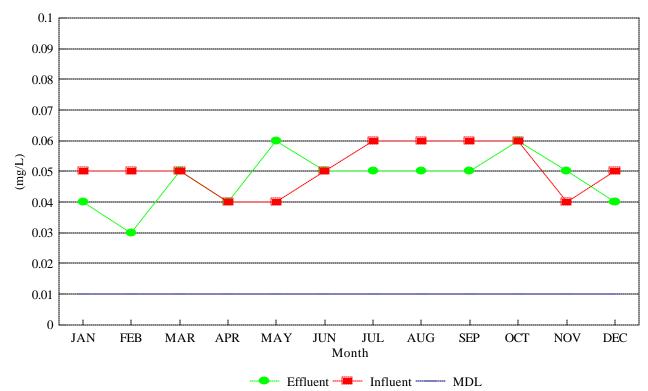


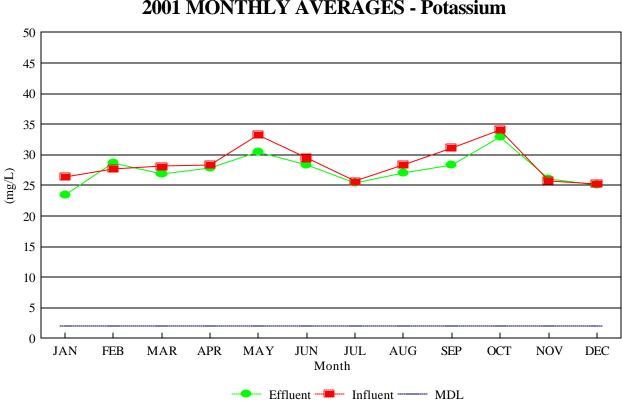
2001 MONTHLY AVERAGES-Magnesium Hard

Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Total Hardness



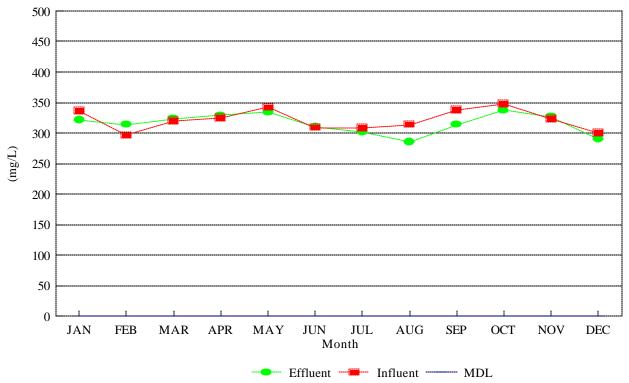
Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Lithium



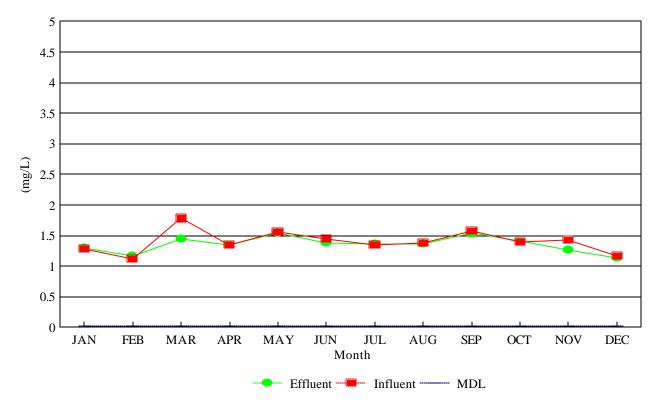


Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Potassium

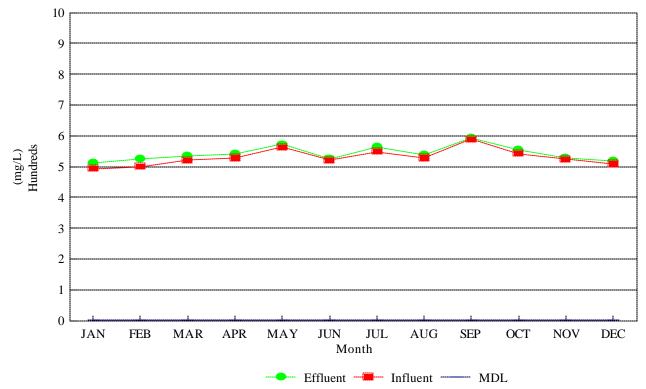
Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Sodium



Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Bromide



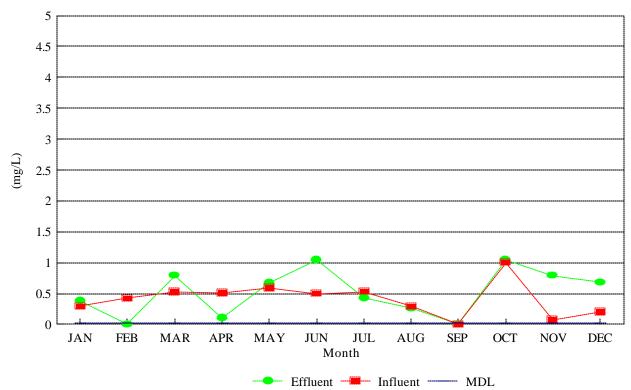
Point Loma Wastewater Treatment Plant
2001 MONTHLY AVERAGES - Chloride



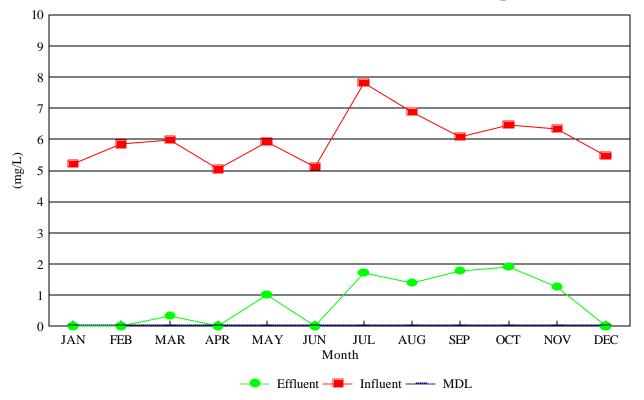
2001 MONTHLY AVERAGES - Fluoride 5 4.5 4 3.5 3 (mg/L) 2.5 2 1.5 1 0.5 0 JUL JAN FEB MAR APR MAY JUN AUG SEP OCT NOV DEC Month – Effluent – Influent – MDL

Point Loma Wastewater Treatment Plant

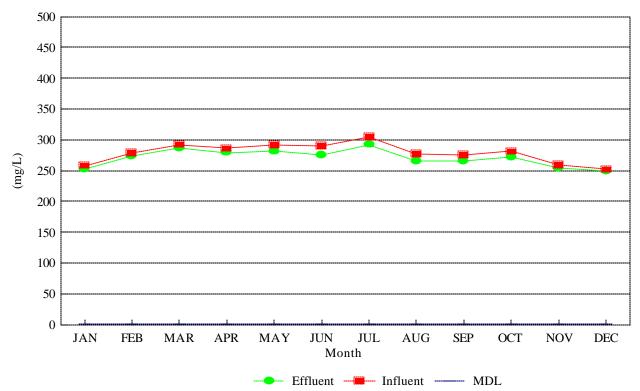
Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Nitrate







Point Loma Wastewater Treatment Plant 2001 MONTHLY AVERAGES - Sulfate



C. 6-Year Tables.

Results of the determination of selected parameters on a weekly basis for the past 6-years.

| | | | | | | | | | | | ARSE | NIC (ug/I | L) 1996 | | | | | | | | | | | |
|--|---|---|--|--|---|--|--|---|---|--|--|--|--|--|---|---|--|--|---|---|---|---|--|--|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 1.8 | 1.1 | 1.4 | 1.1 | 1.2 | 0.9 | 2.0 | 1.3 | 1.9 | 1.1 | 2.7 | 1.6 | 2.1 | 1.4 | 2.8 | 1.3 | 2.0 | 1.3 | 2.6 | 2.1 | 1.7 | 1.2 | 1.6 | 1.1 |
| 2 3 | 2.2 3.4 | 1.2 1.1 | 1.1 1.3 | 1.0 0.6 | 1.3 1.3 | 0.8 0.7 | 1.9 2.2 | 1.5 1.9 | 2.0 1.8 | 1.0 1.2 | 1.9 2.1 | 1.2 1.5 | 2.4 2.4 | 1.5 1.4 | 2.0 2.1 | 1.1 1.7 | 1.5 1.5 | 1.1 1.2 | 2.2 3.5 | 1.9 2.7 | 2.3 3.0 | 1.8 1.4 | 1.9 2.3 | 1.5 1.5 |
| 4 | 3.4 | 1.1 | 1.5 | 0.0 | 1.5 | 1.2 | 2.2 | 1.9 | 1.8 | 1.2 | 2.1 | 1.5 | 2.4 1.7 | 1.4 | 2.1 | 1.7 | 1.5 | 1.2 | 3.2 | 2.7 | 3.0 | 1.4 | 1.6 | 1.0 |
| Average | 2.4 | 1.1 | 1.4 | 0.8 | 1.3 | 0.9 | 2.0 | 1.6 | 1.9 | 1.1 | 2.3 | 1.4 | 2.2 | 1.4 | 2.3 | 1.4 | 1.7 | 1.2 | 2.9 | 2.2 | 2.3 | 1.5 | 1.8 | 1.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | NIC (ug/I | L) 1997 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 2.1 | 1.3 | 2.3 | 1.3 | 1.4 | 1.1 | 1.8 | 1.3 | 2.6 | 1.3 | 2.1 | 1.6 | 2.8 | 2.2 | 2.1 | 0.7 | 2.7 | 2.0 | 2.8 | 1.6 | 2.8 | 1.6 | 1.3 | 1.1 |
| 2 | 2.2 | 1.4 | 2.6 | 1.2 | 2.0 | 2.3 | 2.2 | 1.4 | 2.1 | 1.6 | 2.2 | 1.9 | 3.5 | 1.5 | 1.4 | 0.8 | 2.6 | 2.6 | 2.3 | 1.4 | 2.2 | 1.6 | 1.0 | 1.0 |
| 3 4 | 2.5 4.6 | 1.5 1.8 | 1.7 2.1 | 1.1 1.4 | 2.0 1.6 | 2.4 1.2 | 2.4 | 1.8 | 2.6 2.3 | 1.8 2.1 | 2.0 2.1 | 1.6 1.4 | 2.9 2.7 | 1.5 1.4 | 1.2 1.3 | 0.8 1.1 | 2.6 | 1.7 | 2.1 3.2 | 1.9 1.8 | 2.1 2.4 | 1.5 1.7 | 1.4 1.5 | 1.0 0.7 |
| 4 Average | 2.8 | 1.8 | 2.1 | 1.4 | 1.0 | 1.2 | 2.1 | 1.5 | 2.3 | 1.7 | 2.1 | 1.4 | 2.7 | 1.4 | 1.5 | 0.8 | 2.6 | 2.1 | 2.6 | 1.6 | 2.4 | 1.7 | 1.3 | 1.0 |
| riverage | 2.0 | 1.5 | 2.2 | 1.5 | 1.7 | 1.0 | 2.1 | 1.5 | 2.4 | 1.7 | 2.1 | 1.0 | 2.9 | 1.0 | 1.5 | 0.0 | 2.0 | 2.1 | 2.0 | 1.0 | 2.4 | 1.0 | 1.5 | 1.0 |
| | | | | | | | | | | | ARSE | NIC (ug/I | L) 1998 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 1.8 | 1.0 | 2.6 | 1.3 | 2.1 | 1.6 | 2.0 | 1.2 | 1.9 | 0.9 | 1.5 | 0.9 | 1.7 | 1.2 | 2.3 | 1.3 | 2.2 | 1.2 | 2.1 | 1.2 | 1.9 | 1.3 | 3.6 | 1.2 |
| 2 3 | 1.8 1.8 | 0.8 0.8 | 3.3 2.8 | 1.3 2.3 | 1.9 1.9 | 1.2 1.4 | 1.8 1.4 | 1.1 0.9 | 2.2 1.6 | 1.2 0.9 | 1.3 1.3 | 1.1 1.1 | 1.9 1.7 | 1.2 1.2 | 2.4 2.2 | 1.5 1.4 | 3.2 2.9 | 1.3 1.4 | 2.2 2.3 | 1.0 1.6 | 1.5 2.1 | 1.2 1.1 | 2.1 1.3 | 1.6 0.8 |
| 4 | 2.8 | 1.1 | 2.0 | 2.5 | 2.1 | 1.4 | 1.4 | 0.9 | 1.0 | 1.1 | 1.3 | 0.7 | 1.7 | 1.2 | 2.2 | 1.4 | 1.9 | 1.4 | 2.5 | 1.0 | 1.8 | 1.1 | 1.3 | 0.8 |
| Average | 2.0 | 0.9 | 2.9 | 1.6 | 2.0 | 1.3 | 1.4 | 1.0 | 1.4 | 1.0 | 1.5 | 1.0 | 1.7 | 1.2 | 2.3 | 1.4 | 2.6 | 1.2 | 2.0 | 1.1 | 1.0 | 1.1 | 2.1 | 1.1 |
| TTTTTT | 2.0 | 0.7 | 2.0 | 110 | 2.0 | 1.0 | | 110 | 110 | 1.0 | 110 | 110 | 117 | 1.2 | 2.0 | | 2.0 | 1.0 | 2.1 | 1.2 | | 1.2 | 2 | |
| | | | | | | | | | | | | NIC (ug/I | L) 1999 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 2 | 1.5 1.6 | 0.8 0.8 | 1.8 1.7 | 1.0 0.8 | 1.4 1.6 | 0.8 | 1.3 1.6 | 0.8 1.0 | 1.3 1.6 | 0.9 0.9 | 1.7 1.9 | 1.0 1.2 | 1.6 2.0 | 1.1 1.2 | 1.7 2.0 | 1.1 1.1 | 1.8 1.7 | 1.1 1.1 | 1.9 1.6 | 1.5 1.2 | 1.5 1.9 | 0.7 1.0 | 1.7 1.5 | 0.9 1.0 |
| 3 | 1.6 | 0.8 | 1.7 | 0.8 | 1.0 | 0.9 0.8 | 1.0 | 0.7 | 1.0 | 1.2 | 1.9 | 1.2 | 1.6 | 1.2 | 2.0 1.9 | 1.1 | 1.7 | 1.1 | 2.1 | 1.2 | 2.0 | 1.0 | 1.3 | 1.0 |
| 4 | 1.0 | 0.7 | 1.0 | 1.1 | 2.9 | 1.3 | 2.0 | 1.1 | 1.5 | 1.2 | 1.5 | 1.0 | 1.5 | 1.1 | 1.7 | 1.1 | 1.4 | 1.0 | 2.1 | 1.4 | 2.0 | 1.2 | 1.2 | 0.9 |
| Average | 1.6 | 0.8 | 1.7 | 0.9 | 2.0 | 1.3 | 1.7 | 0.9 | 1.5 | 1.0 | 1.6 | 1.1 | 1.7 | 1.2 | 1.8 | 1.1 | 1.7 | 1.1 | 1.9 | 1.3 | 1.8 | 1.0 | 1.4 | 0.9 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Weels | | | | | | | | | | | | NIC (ug/I | L) 2000 | | | | | | | 0.07 | | | | 550 |
| Week | T. 6 | JAN | T. C | FEB | T. C | MAR | T. C | APR | L.C | MAY | | JUN | | JUL | T. C | AUG | T. C | SEP | 1 6 | OCT | T. C | NOV | T. C | DEC |
| | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf 2.1 | Eff | Inf | JUN Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 1.4 | Eff 0.6 | 1.6 | Eff 0.9 | 1.1 | Eff 1.2 | 1.5 | Eff 0.8 | 2.1 | Eff <0.2 | Inf 0.3 | JUN Eff <0.2 | Inf 1.2 | Eff 0.7 | 1.2 | Eff 0.9 | 1.2 | Eff 1.0 | 1.3 | Eff 1.1 | 1.6 | Eff 0.9 | 1.0 | Eff 0.4 |
| | | Eff | | Eff | | Eff | | Eff | | Eff | Inf | JUN Eff | Inf | Eff | | Eff | | Eff | | Eff | | Eff | | Eff |
| 1 2 | 1.4 1.5 | Eff 0.6 0.7 | 1.6 1.4 | Eff 0.9 1.0 | 1.1 1.2 | Eff 1.2 0.8 | 1.5 1.5 | Eff 0.8 0.9 | 2.1 1.5 | Eff <0.2 <0.2 | Inf 0.3 1.4 | JUN Eff <0.2 1.1 | Inf 1.2 1.5 | Eff 0.7 0.8 | 1.2 1.1 | Eff 0.9 1.0 | 1.2 1.3 | Eff 1.0 1.0 | 1.3 1.3 | Eff 1.1 0.8 | 1.6 1.2 | Eff 0.9 1.1 | 1.0 1.2 | Eff 0.4 0.7 |
| 1 2 3 | 1.4 1.5 1.3 | Eff 0.6 0.7 0.8 | 1.6 1.4 1.5 | Eff 0.9 1.0 1.1 | 1.1 1.2 0.9 | Eff 1.2 0.8 0.7 | 1.5 1.5 | Eff 0.8 0.9 | 2.1 1.5 2.3 | Eff <0.2 <0.2 0.2 | Inf 0.3 1.4 1.1 | JUN Eff <0.2 1.1 0.9 | Inf 1.2 1.5 1.3 | Eff 0.7 0.8 0.8 | 1.2 1.1 1.0 | Eff 0.9 1.0 0.7 | 1.2 1.3 | Eff 1.0 1.0 | 1.3 1.3 1.4 | Eff 1.1 0.8 1.0 | 1.6 1.2 1.3 | Eff 0.9 1.1 0.9 | 1.0 1.2 1.0 | Eff 0.4 0.7 0.7 |
| 1 2 3 4 | 1.4 1.5 1.3 1.2 | Eff 0.6 0.7 0.8 0.7 | 1.6 1.4 1.5 1.4 | Eff 0.9 1.0 1.1 0.8 | 1.1 1.2 0.9 1.1 | Eff 1.2 0.8 0.7 0.6 | 1.5 1.5 1.4 | Eff 0.8 0.9 0.9 | 2.1 1.5 2.3 0.2 | Eff <0.2 <0.2 0.2 0.2 0.7 | Inf 0.3 1.4 1.1 1.5 1.1 | JUN Eff <0.2 1.1 0.9 0.8 0.7 | Inf 1.2 1.5 1.3 1.3 1.3 | Eff 0.7 0.8 0.8 1.2 | 1.2 1.1 1.0 2.2 | Eff 0.9 1.0 0.7 1.4 | 1.2 1.3 0.8 | Eff 1.0 1.0 0.7 | 1.3 1.3 1.4 1.5 | Eff 1.1 0.8 1.0 1.1 | 1.6 1.2 1.3 0.9 | Eff 0.9 1.1 0.9 0.8 | 1.0 1.2 1.0 1.2 | Eff 0.4 0.7 0.7 0.9 |
| 1 2 3 4 | 1.4 1.5 1.3 1.2 | Eff 0.6 0.7 0.8 0.7 0.8 | 1.6 1.4 1.5 1.4 | Eff 0.9 1.0 1.1 0.8 0.9 | 1.1 1.2 0.9 1.1 | Eff 1.2 0.8 0.7 0.6 0.8 | 1.5 1.5 1.4 | Eff 0.8 0.9 0.9 0.9 | 2.1 1.5 2.3 0.2 | Eff <0.2 <0.2 0.2 0.7 0.2 | Inf 0.3 1.4 1.1 1.5 1.1 ARSE | JUN Eff <0.2 1.1 0.9 0.8 0.7 ENIC (ug/I | Inf 1.2 1.5 1.3 1.3 1.3 | Eff 0.7 0.8 0.8 1.2 0.9 | 1.2 1.1 1.0 2.2 1.8 | Eff 0.9 1.0 0.7 1.4 1.1 | 1.2 1.3 0.8 | Eff 1.0 1.0 0.7 0.9 | 1.3 1.3 1.4 1.5 | Eff 1.1 0.8 1.0 1.1 1.0 | 1.6 1.2 1.3 0.9 | Eff 0.9 1.1 0.9 0.8 0.9 | 1.0 1.2 1.0 1.2 | Eff 0.4 0.7 0.7 0.9 0.7 |
| 1 2 3 4 Average | 1.4 1.5 1.3 1.2 1.3 | Eff 0.6 0.7 0.8 0.7 0.8 JAN | 1.6 1.4 1.5 1.4 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB | 1.1 1.2 0.9 1.1 1.1 | Eff 1.2 0.8 0.7 0.6 0.8 MAR | 1.5 1.5 1.4 | Eff 0.8 0.9 0.9 0.9 0.9 | 2.1 1.5 2.3 0.2 1.5 | Eff <0.2 <0.2 0.2 0.7 0.2 MAY | Inf 0.3 1.4 1.1 1.5 1.1 ARSE | JUN Eff <0.2 1.1 0.9 0.8 0.7 ENIC (ug/I JUN | Inf 1.2 1.5 1.3 1.3 1.3 2001 | Eff 0.7 0.8 0.8 1.2 0.9 | 1.2 1.1 1.0 2.2 1.8 | Eff 0.9 1.0 0.7 1.4 1.1 AUG | 1.2 1.3 0.8 | Eff 1.0 1.0 0.7 0.9 SEP | 1.3 1.3 1.4 1.5 1.4 | Eff 1.1 0.8 1.0 1.1 1.0 OCT | 1.6 1.2 1.3 0.9 1.2 | Eff 0.9 1.1 0.9 0.8 0.9 0.9 NOV | 1.0 1.2 1.0 1.2 1.1 | Eff 0.4 0.7 0.7 0.9 0.7 DEC |
| 1 2 3 4 | 1.4 1.5 1.3 1.2 1.3 Inf | Eff 0.6 0.7 0.8 0.7 0.8 JAN Eff | 1.6 1.4 1.5 1.4 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB Eff | 1.1 1.2 0.9 1.1 1.1 | Eff 1.2 0.8 0.7 0.6 0.8 MAR Eff | 1.5 1.5 1.4 1.5 | Eff 0.8 0.9 0.9 0.9 APR Eff | 2.1 1.5 2.3 0.2 1.5 | Eff <0.2 <0.2 0.7 0.2 MAY Eff | Inf 0.3 1.4 1.1 1.5 1.1 ARSE Inf | JUN Eff <0.2 1.1 0.9 0.8 0.7 ENIC (ug/I JUN Eff | Inf 1.2 1.5 1.3 1.3 1.3 1.3) 2001 Inf | Eff 0.7 0.8 0.8 1.2 0.9 JUL Eff | 1.2 1.1 1.0 2.2 1.8 | Eff 0.9 1.0 0.7 1.4 1.1 AUG Eff | 1.2 1.3 0.8 1.1 Inf | Eff 1.0 1.0 0.7 0.9 SEP Eff | 1.3 1.3 1.4 1.5 1.4 Inf | Eff 1.1 0.8 1.0 1.1 1.0 OCT Eff | 1.6 1.2 1.3 0.9 1.2 Inf | Eff 0.9 1.1 0.9 0.8 0.9 NOV Eff | 1.0 1.2 1.0 1.2 1.1 | Eff 0.4 0.7 0.7 0.9 0.7 DEC Eff |
| 1 2 3 4 Average | 1.4 1.5 1.3 1.2 1.3 | Eff 0.6 0.7 0.8 0.7 0.8 JAN | 1.6 1.4 1.5 1.4 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB | 1.1 1.2 0.9 1.1 1.1 | Eff 1.2 0.8 0.7 0.6 0.8 MAR | 1.5 1.5 1.4 | Eff 0.8 0.9 0.9 0.9 0.9 | 2.1 1.5 2.3 0.2 1.5 | Eff <0.2 <0.2 0.2 0.7 0.2 MAY | Inf 0.3 1.4 1.1 1.5 1.1 ARSE | JUN Eff <0.2 1.1 0.9 0.8 0.7 ENIC (ug/I JUN | Inf 1.2 1.5 1.3 1.3 1.3 2001 | Eff 0.7 0.8 0.8 1.2 0.9 | 1.2 1.1 1.0 2.2 1.8 | Eff 0.9 1.0 0.7 1.4 1.1 AUG | 1.2 1.3 0.8 | Eff 1.0 1.0 0.7 0.9 SEP | 1.3 1.3 1.4 1.5 1.4 | Eff 1.1 0.8 1.0 1.1 1.0 OCT | 1.6 1.2 1.3 0.9 1.2 | Eff 0.9 1.1 0.9 0.8 0.9 0.9 NOV | 1.0 1.2 1.0 1.2 1.1 | Eff 0.4 0.7 0.7 0.9 0.7 DEC |
| 1 2 3 4 Average Week | 1.4 1.5 1.3 1.2 1.3 Inf | Eff 0.6 0.7 0.8 0.7 0.8 JAN Eff 0.7 | 1.6 1.4 1.5 1.4 1.5 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB Eff 0.8 | 1.1 1.2 0.9 1.1 1.1 Inf 1.3 | Eff 1.2 0.8 0.7 0.6 0.8 MAR Eff 1.0 | 1.5 1.5 1.4 1.5 Inf 0.9 | Eff 0.8 0.9 0.9 0.9 APR Eff <0.2 | 2.1 1.5 2.3 0.2 1.5 Inf 1.2 | Eff <0.2 <0.2 0.2 0.7 0.2 MAY Eff 0.8 | Inf 0.3 1.4 1.1 1.5 1.1 ARSE Inf 4.3 | JUN Eff <0.2 1.1 0.9 0.8 0.7 ENIC (ug/I JUN Eff 1.0 | Inf 1.2 1.5 1.3 1.3 1.3 1.3 .) 2001 Inf 1.2 | Eff 0.7 0.8 0.8 1.2 0.9 JUL Eff 0.7 | 1.2 1.1 1.0 2.2 1.8 Inf 1.6 | Eff 0.9 1.0 0.7 1.4 1.1 AUG Eff 1.1 | 1.2 1.3 0.8 1.1 Inf 1.6 | Eff 1.0 1.0 0.7 0.9 SEP Eff 1.1 | 1.3 1.3 1.4 1.5 1.4 Inf 2.0 | Eff 1.1 0.8 1.0 1.1 1.0 OCT Eff 0.9 | 1.6 1.2 1.3 0.9 1.2 Inf 1.0 | Eff 0.9 1.1 0.9 0.8 0.9 NOV Eff 1.1 | 1.0 1.2 1.0 1.2 1.1 Inf 1.7 | Eff 0.4 0.7 0.7 0.9 0.7 DEC Eff 0.9 |
| 1 2 3 4 Average Week 1 2 | 1.4 1.5 1.3 1.2 1.3 Inf 1.1 1.5 | Eff 0.6 0.7 0.8 0.7 0.8 JAN Eff 0.7 0.8 | 1.6 1.4 1.5 1.4 1.5 Inf 1.3 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB Eff 0.8 0.9 | 1.1 1.2 0.9 1.1 1.1 Inf 1.3 0.7 | Eff 1.2 0.8 0.7 0.6 0.8 MAR Eff 1.0 1.0 | 1.5 1.5 1.4 1.5 Inf 0.9 0.7 | Eff 0.8 0.9 0.9 0.9 APR Eff <0.2 0.5 | 2.1 1.5 2.3 0.2 1.5 Inf 1.2 1.2 | Eff <0.2 <0.2 0.7 0.2 MAY Eff 0.8 1.0 | Inf 0.3 1.4 1.1 1.5 1.1 ARSE Inf 4.3 1.1 | JUN Eff <0.2 1.1 0.9 0.8 0.7 NIC (ug/I JUN Eff 1.0 0.7 | Inf 1.2 1.5 1.3 1.3 1.3 .) 2001 Inf 1.2 1.1 | Eff 0.7 0.8 0.8 1.2 0.9 JUL Eff 0.7 0.7 | 1.2 1.1 1.0 2.2 1.8 Inf 1.6 1.4 | Eff 0.9 1.0 0.7 1.4 1.1 AUG Eff 1.1 0.9 | 1.2 1.3 0.8 1.1 Inf 1.6 0.7 | Eff 1.0 1.0 0.7 0.9 SEP Eff 1.1 1.2 | 1.3 1.3 1.4 1.5 1.4 Inf 2.0 1.0 | Eff 1.1 0.8 1.0 1.1 1.0 OCT Eff 0.9 0.3 | 1.6 1.2 1.3 0.9 1.2 Inf 1.0 1.7 | Eff 0.9 1.1 0.9 0.8 0.9 NOV Eff 1.1 1.1 | 1.0 1.2 1.0 1.2 1.1 Inf 1.7 1.3 | Eff 0.4 0.7 0.7 0.9 0.7 DEC Eff 0.9 0.6 |
| 1 2 3 4 Average Week 1 2 3 | 1.4 1.5 1.3 1.2 1.3 Inf 1.1 1.5 0.8 | Eff 0.6 0.7 0.8 0.7 0.8 JAN Eff 0.7 0.8 0.6 | 1.6 1.4 1.5 1.4 1.5 Inf 1.3 1.5 | Eff 0.9 1.0 1.1 0.8 0.9 FEB Eff 0.8 0.9 | 1.1 1.2 0.9 1.1 1.1 1.1 1.3 0.7 1.1 | Eff 1.2 0.8 0.7 0.6 0.8 MAR Eff 1.0 1.0 <0.2 | 1.5 1.5 1.4 1.5 Inf 0.9 0.7 1.1 | Eff 0.8 0.9 0.9 0.9 APR Eff <0.2 0.5 0.6 | 2.1 1.5 2.3 0.2 1.5 Inf 1.2 1.2 1.0 | Eff <0.2 <0.2 0.7 0.2 MAY Eff 0.8 1.0 1.0 | Inf 0.3 1.4 1.1 1.5 1.1 ARSE Inf 4.3 1.1 1.4 | JUN Eff <0.2 1.1 0.9 0.8 0.7 NIC (ug/I JUN Eff 1.0 0.7 1.0 | Inf 1.2 1.5 1.3 1.3 1.3 .) 2001 Inf 1.2 1.1 | Eff 0.7 0.8 0.8 1.2 0.9 JUL Eff 0.7 0.7 | 1.2 1.1 1.0 2.2 1.8 Inf 1.6 1.4 1.6 | Eff 0.9 1.0 0.7 1.4 1.1 AUG Eff 1.1 0.9 1.1 | 1.2 1.3 0.8 1.1 1.1 1.6 0.7 1.4 | Eff 1.0 1.0 0.7 0.9 SEP Eff 1.1 1.2 0.8 | 1.3 1.3 1.4 1.5 1.4 Inf 2.0 1.0 1.1 | Eff 1.1 0.8 1.0 1.1 1.0 OCT Eff 0.9 0.3 1.0 | 1.6 1.2 1.3 0.9 1.2 Inf 1.0 1.7 1.8 | Eff 0.9 1.1 0.9 0.8 0.9 NOV Eff 1.1 1.1 1.1 | 1.0 1.2 1.0 1.2 1.1 1.1 | Eff 0.4 0.7 0.9 0.7 DEC Eff 0.9 0.6 0.8 |

| | | | | | | | | | | | CADM | /IUM (ug/ | /L) 1996 | | | | | | | | | | | |
|---|--|--|--|---|---|---|---|---|--|---|--|---|--|--|---|--|--|--|--|--|---|---|---|--|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.3 | 1.9 | 1.6 | 4.0 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | 1.1 | 1.3 | 2.7 | 3.2 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 |
| 3 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.8 | 1.7 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | 3.1 | 2.6 | <1.0 | 6.1 | 3.6 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.4 | 1.2 | 1.0 | 1.0 | <1.0 | 1.1 | <1.0 | 1.1 | 3.8 | 1.5 | 4.4 | 6.1 | 1.0 | 1.0 | <1.0 | <1.0 |
| Average | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.4 | 2.4 | 1.5 | 4.4 | 3.1 | <1.0 | <1.0 | <1.0 | <1.0 |
| | | | | | | | | | | | CADM | /IUM (ug/ | /L) 1997 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | 1.2 | <1.0 | 2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.7 |
| 2 | <1.0 | <1.0 | 3.0 | <1.0 | 1.1 | 1.5 | 1.9 | <1.0 | <1.0 | <1.0 | 1.7 | 1.0 | <1.0 | 1.5 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 |
| 3 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 |
| 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | | | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | <1.0 |
| Average | <1.0 | <1.0 | 1.1 | <1.0 | 0.3 | <1.0 | <1.0 | <1.0 | 0.3 | 0.3 | 0.9 | 0.3 | <1.0 | 0.4 | <1.0 | <1.0 | 0.4 | <1.0 | <1.0 | <1.0 | 0.4 | <1.0 | <1.0 | 1.4 |
| | | | | | | | | | | | CADM | /IUM (ug/ | L) 1998 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | 1.6 | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.7 | 2.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <1.0 |
| 3 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.4 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 | 2.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 |
| 4 | <1.0 | <1.0 | | | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | <1.0 | | | <1.0 | <1.0 | 2.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Average | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | 0.4 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | 0.4 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | 0.9 | <1.0 | <1.0 | <1.0 | <1.0 | 0.8 | <1.0 |
| | | | | | | | | | | | CLD | | (T.) 1000 | | | | | | | | | | | |
| | | | | | | | | | | | (ADA | All M (ng) | 1 1 1 9 9 9 | | | | | | | | | | | |
| | | IAN | | FEB | | MAR | | APR | | MAY | CADM | /IUM (ug/ IUN | L) 1999 | Ш | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | | JUN | | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week | Inf <1.0 | JAN Eff <1.0 | Inf <1.0 | FEB Eff <1.0 | Inf 1.3 | MAR Eff <1.0 | Inf <1.0 | APR Eff <1.0 | Inf <1.0 | MAY Eff <1.0 | Inf <1.0 | | Inf <1.0 | JUL Eff <1.0 | Inf 1.2 | AUG Eff 1.2 | Inf <1.0 | SEP Eff <1.0 | Inf <1.0 | OCT Eff <1.0 | Inf <1.0 | NOV Eff <1.0 | Inf 1.2 | DEC Eff <1.0 |
| | Inf | Eff | | Eff | | Eff | | Eff | | Eff | Inf | JUN Eff | Inf | Eff | | Eff | | Eff | | Eff | | Eff | | Eff |
| 1 | Inf <1.0 | Eff <1.0 | <1.0 | Eff <1.0 | 1.3 | Eff <1.0 | <1.0 | Eff <1.0 | <1.0 | Eff <1.0 | Inf <1.0 | JUN Eff <1.0 | Inf <1.0 | Eff <1.0 | 1.2 | Eff 1.2 | <1.0 | Eff <1.0 | <1.0 | Eff <1.0 | <1.0 | Eff <1.0 | 1.2 | Eff <1.0 |
| 1 2 | Inf <1.0 <1.0 | Eff <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | 1.3 <1.0 | Eff <1.0 <1.0 | <1.0 1.2 | Eff <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | Inf <1.0 <1.0 | JUN Eff <1.0 <1.0 | Inf <1.0 <1.0 | Eff <1.0 <1.0 | 1.2 <1.0 | Eff 1.2 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | 1.2 1.3 | Eff <1.0 <1.0 |
| 1 2 3 | Inf <1.0 <1.0 | Eff <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | <1.0 1.2 1.4 | Eff <1.0 <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | Inf <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 | Eff 1.2 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | <1.0 <1.0 | Eff <1.0 <1.0 | 1.2 1.3 <1.0 | Eff <1.0 <1.0 <1.0 |
| 1 2 3 4 | Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 <1.0 | Eff 1.2 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 |
| 1 2 3 4 | Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 <1.0 | Eff 1.2 <1.0 <1.0 <1.0 0.3 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 |
| 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB | 1.3 <1.0 <1.0 <1.0 0.3 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR | <1.0 1.2 1.4 <1.0 0.6 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 /L) 2000 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 <1.0 0.3 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 DEC |
| 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB Eff | 1.3 <1.0 <1.0 <1.0 0.3 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR Eff | <1.0 1.2 1.4 <1.0 0.6 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 APR Eff | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAY Eff | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff | Inf <1.0 <1.0 <1.0 <1.0 <1.0 /L) 2000 Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 JUL Eff | 1.2 <1.0 <1.0 <1.0 0.3 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff | <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 OCT Eff | <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 NOV Eff | 1.2 1.3 <1.0 <1.0 0.6 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff |
| 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB Eff <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR Eff <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 APR Eff <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 AIUM (ug/ JUN Eff <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 JUL Eff <1.0 | 1.2 <1.0 <1.0 <1.0 0.3 Inf <1.0 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 OCT Eff <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 NOV Eff <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 |
| 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB Eff <1.0 <1.0 | 1.3 <1.0 <1.0 0.3 Inf 1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR Eff <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 APR Eff <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 1.0 | Eff <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 JUL Eff <1.0 <1.0 | 1.2 <1.0 <1.0 0.3 Inf <1.0 1.5 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 1.5 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 OCT Eff <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 NOV Eff <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 |
| 1 2 3 4 Average Week 1 2 3 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 | Eff <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB Eff <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 <1.0 2.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR Eff <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 APR Eff <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 Eff <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 JUL Eff <1.0 <1.0 1.6 | 1.2 <1.0 <1.0 <1.0 0.3 Inf <1.0 1.5 1.4 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 1.5 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 CT Eff <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 Eff <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 2.8 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 |
| 1 2 3 4 Average Week 1 2 3 4 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 0.3 Inf 1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 1.0 | Eff <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 JUL Eff <1.0 <1.0 | 1.2 <1.0 <1.0 0.3 Inf <1.0 1.5 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 1.5 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 OCT Eff <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 NOV Eff <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 |
| 1 2 3 4 Average Week 1 2 3 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 1.7 | Eff <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 FEB Eff <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 <1.0 2.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 MAR Eff <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 APR Eff <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 1.2 1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 <1.0 14.6 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 UL Eff <1.0 <1.0 1.6 <1.0 | 1.2 <1.0 <1.0 <1.0 0.3 Inf <1.0 1.5 1.4 <1.0 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 1.5 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 CCT Eff <1.0 <1.0 <1.0 <1.0 1.4 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 | Eff <1.0 <1.0 <1.0 <1.0 NOV Eff <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 <2.8 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 |
| 1 2 3 4 Average Week 1 2 3 4 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 1.7 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 <1.0 0.3 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 <1.0 2.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 1.2 1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 <1.0 14.6 3.7 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 UL Eff <1.0 <1.0 <1.0 1.6 <1.0 0.4 | 1.2 <1.0 <1.0 <1.0 0.3 Inf <1.0 1.5 1.4 <1.0 | Eff 1.2 <1.0 <1.0 <1.0 <1.0 <1.0 Eff <1.0 1.5 <1.0 <1.0 0.4 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 Eff <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 <2.8 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 |
| 1 2 3 4 Average Week 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 1.7 1.3 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 <1.0 <1.0 0.3 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.7 <1.0 1.0 <1.0 0.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1. | 1.2 <1.0 <1.0 <1.0 0.3 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 1.5 <1.0 <1.0 0.4 AUG | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 <1.0 0.5 SEP | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.3 1.7 <1.0 <1.0 0.8 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 2.8 <1.0 0.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 DEC DEC DEC |
| 1 2 3 4 Average Ueek | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 1.7 1.3 Inf | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 <1.0 <1.0 0.3 JAN Eff | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 1.7 <1.0 1.0 <1.0 0.7 Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 <1.0 2.0 <1.0 0.8 Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 <1.0 Inf Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.2 1.0 <1.0 <1.0 <1.0 Inf | Eff <1.0 <1.0 <1.0 <1.0 MAY Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 <1.0 0.3 | Eff 1.2 <1.0 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 <1.0 0.4 AUG Eff 6.1 0.4 AUG Eff | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 <1.0 <1.0 <1.0 SEP Eff | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 <1.0 <1.0 Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 <1.0 2.8 <1.0 0.7 Inf | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 Eff Eff Eff Eff |
| 1 2 3 4 Average U 2 3 4 Average Week 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 <1.0 Inf 1.0 1.1 1.2 1.7 1.3 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 JAN Eff 1.1 <1.0 <1.0 <1.0 0.3 JAN Eff <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 1.0 <1.0 0.7 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 <1.0 <1.0 0.3 Inf 1.0 <1.0 2.0 <1.0 0.8 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 <1.0 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 <1.0 <1.0 14.6 3.7 CADM Inf <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 <1.0 <1.0 <1.0 0.3 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 <1.0 0.4 AUG Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 SEP Eff 1.6 <1.0 <1.0 <1.0 SEP Eff <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 Inf 1.6 1.4 1.2 <1.0 <1.0 Inf <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.2 1.3 <1.0 <1.0 0.6 Inf <1.0 2.8 <1.0 0.7 Inf <1.0 1.0 2.8 <1.0 0.7 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 DEC Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1. |
| 1 2 3 4 Average U 1 2 3 4 Average Week 1 2 3 4 Average | Inf <1.0 <1.0 <1.0 <1.0 <1.0 1.1 1.2 1.7 1.3 Inf <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 1.0 <1.0 0.7 Inf <1.0 2.8 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | 1.3 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 1.2 1.4 <1.0 0.6 Inf <1.0 <1.0 <1.0 <1.0 Inf <1.0 1.3 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 CADM Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 MIUM (ug/ JUN Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Inf <1.0 <1.0 <1.0 <1.0 <1.0 (L) 2000 Inf <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1. | 1.2 <1.0 | Eff 1.2 <1.0 <1.0 <1.0 0.3 AUG Eff <1.0 <1.0 <1.0 0.4 AUG Eff <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week 1 | Inf <5 | Eff <5 | Inf 11 | Eff <5 | Inf 7 | Eff <5 | Inf 8 | Eff <5 | Inf 9 | Eff <5 | Inf 14 | Eff <5 | Inf 12 | Eff 7 | Inf <5 | Eff <5 | Inf 9 | Eff <5 | Inf <5 | Eff <5 | Inf 6 | Eff <5 | Inf <5 | Eff <5 |
| 2 | <5 | ্য ব | 7 | ্য ব্য | <5 | ্য ব্য | 6 6 | ্য ব্য | 6 | ර ර | <5 | ্য ব্য | 12 | <5 | ্র ব্য | ্য ব্য | ~5 | 5 | <5 | ⊂ ⊲5 | <5 | ্র ব | ⊂) <5 | ୍ ଏ |
| 3 | 8 | <5 | 8 | <5 | <5 | <5 | 8 | <5 | <5 | <5 | 7 | <5 | 13 | <5 | <5 | <5 | 5 | <5 | 5 | <5 | 7 | ⊲5 | <5 | ⊲5 |
| 4 | | | <5 | <5 | <5 | <5 | 11 | <5 | 9 | <5 | | | 11 | 7 | <5 | <5 | 8 | <5 | 10 | <5 | | | <5 | <5 |
| Average | <5 | <5 | 6 | <5 | <5 | <5 | 8 | <5 | 6 | <5 | 7 | 4 | 12 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| | | | | | | | | | | | CHRO | MIUM (us | ₇ /L) 1997 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | ,_,_,., | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <5 | <5 | 10 | <5 | 10 | <5 | <5 | <5 | 7 | <5 | 7 | <5 | 12 | <5 | <5 | <5 | <5 | <5 | 10 | <5 | 21 | 6 | 11 | <5 |
| 2 | 8 | 6 | 16 | <5 | 13 | <5 | <5 | <5 | <5 | <5 | 12 | <5 | 8 | <5 | <5 | <5 | 5 | <5 | 9 | <5 | 7 | <5 | 10 | <5 |
| 3 | 9 | <5 | 12 | <5 15 | 7 | <5 | <5 | <5 | 7 | <5 | 12 | <5 | <5 | <5 | <5 | <5 15 | <5 | <5 | 11 | <5 | 7 | <5 | 12 | <5 |
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| | | | | | | | | | | | | MIUM (ug | g/L) 1998 | | | | | | | | | | | |
| Week | Inf | JAN | Inf | FEB | Teef | MAR | Teef | APR | Inf | MAY | | JUN | Inf | JUL | Teef | AUG | Inf | SEP | Inf | OCT Eff | Inf | NOV | Inf | DEC |
| Week 1 | Inf 9 | Eff <5 | Inf 7 | Eff <5 | Inf 7 | Eff <5 | Inf <5 | Eff <5 | Inf 58 | Eff <5 | Inf <5 | Eff <5 | Inf 13 | Eff <5 | Inf <5 | Eff <5 | Inf 16 | Eff <5 | Inf 7 | ЕП <5 | Inf 12 | Eff <5 | Inf 13 | Eff <5 |
| 2 | 14 | <5 <5 | 10 | <) <5 | <5 | 9 | <5 | < <5 | 6 | < ⊲ | <5 | <5 | 13 | <) <5 | 8 | <) <5 | 12 | ⊲5 | <5 | <5 <5 | 12 | <) <5 | 10 | ා ර |
| 3 | 11 | 5 | 9 | 9 | 10 | 8 | <5 | ⊲5 | <5 | <5 | <5 | ⊲5 | 14 | <5 | 14 | ⊲5 | 12 | 5 | 9 | <5 | 15 | ⊲5 | 14 | ⊲5 |
| 4 | 15 | <5 | | | 11 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | 12 | <5 | 14 | 5 | 12 | <5 | 9 | <5 | 8 | <5 |
| Average | 12 | <5 | 9 | 3 | 7 | 4 | <5 | <5 | 16 | <5 | <5 | <5 | 13 | <5 | 9 | <5 | 14 | 1 | 7 | <5 | 11 | <5 | 11 | <5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | CHRO | MIUM (us | z/L) 1999 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | MIUM (ug JUN | g/L) 1999 | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | JUN Eff | Inf | Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 65 | Eff <5 | 8 | Eff <5 | 18 | Eff <5 | <5 | Eff <5 | <5 | Eff <5 | Inf 8 | JUN Eff <5 | Inf 7 | Eff <5 | 10 | Eff 6 | <5 | Eff <5 | <5 | Eff <5 | <5 | Eff <5 | <5 | Eff <5 |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 73 | 28 | 107 | 70 | 80 | 27 | 82 | 59 | 88 | 29 | 81 | 59 | 100 | 69 | 78 | 31 | 92 | 89 | 67 | 79 | 88 | 71 | 35 | 70 |
| 2 | 134 | 80 | 123 | 26 | 90 | 24 | 81 | 53 | 106 | 30 | 76 | 55 | 98 | 27 | 55 | 31 | 75 | 51 | 83 | 91 | 74 | 21 | 123 | 42 |
| 3 | 91 | 26 | 99 | NA | 110 | 29 | 60 | 37 | 111 | 40 | 100 | 44 | 105 | 24 | 52 | 23 | 78 | 53 | 94 | 80 | 86 | 26 | 59 | 32 |
| 4 | | | 91 | 40 | 120 | 23 | 102 | 29 | 93 | 42 | | | 100 | 24 | 87 | 66 | 117 | 58 | 99 | 22 | | | 38 | 17 |
| Average | 99 | 45 | 105 | 34 | 100 | 26 | 81 | 45 | 100 | 35 | 86 | 53 | 101 | 36 | 68 | 38 | 91 | 63 | 86 | 68 | 83 | 39 | 64 | 40 |
| | | | | | | | | | | | COP | PER (ug/I |) 1007 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | .) 1997 | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 2 | 60 | 95 | 49 | 69 | 27 | 121 | 69 | 166 | 108 | 169 | 115 | 139 | 72 | 166 | 123 | 100 | 145 | 89 | 37 | 87 | 54 | 165 | 306 |
| 2 | 73 | 33 | 117 | 67 | 77 | 26 | 128 | 79 | 207 | 68 | 127 | 64 | 115 | 83 | 123 | 99 | 92 | 39 | 76 | 60 | 117 | 53 | 118 | 103 |
| 3 | 67 | 26 | 102 | 48 | 69 | 39 | 113 | 45 | 151 | 21 | 135 | 80 | 116 | 52 | 65 | 54 | 93 | 64 | 87 | 87 | 61 | 43 | 135 | 95 |
| 4 | 79 | 48 | 112 | 46 | 131 | 28 | | | 108 | 45 | 166 | 234 | 104 | 63 | 64 | 151 | | | 94 | 29 | 130 | 59 | 124 | 100 |
| Average | 55 | 42 | 107 | 53 | 87 | 30 | 121 | 64 | 158 | 61 | 149 | 123 | 119 | 68 | 105 | 107 | 95 | 83 | 87 | 53 | 99 | 52 | 136 | 151 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | PER (ug/I | .) 1998 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 97 | 198 | 99 | 31 | 75 | 48 | 74 | 56 | 192 | 51 | 88 | 46 | 122 | 62 | 96 | 82 | 132 | 48 | 81 | 58 | 121 | 49 | 107 | 68 |
| 2 | 117 | 66 | 129 | 36 | 165 | 40 | 111 | 38 | 85 | 18 | 76 | 40 | 123 | 57 | 93 | 69 | 108 | 58 | 87 | 45 | 114 | 41 | 116 | 44 |
| 3 | 159 | 59 | 126 | 63 | 98 | 49 | 101 | 96 | 131 | 27 | 100 | 30 | 94 | 35 | 137 | 48 | 150 | 55 | 111 | 29 | 95 | 30 | 127 | 74 |
| 4 | 114 | 28 | | | 103 | 49 | 89 | 70 | 92 | 43 | 142 | 222 | | | 113 | 32 | 129 | 29 | 104 | 16 | 83 | 29 | 113 | 21 |
| Average | 122 | 88 | 118 | 43 | 110 | 47 | 94 | 65 | 125 | 35 | 102 | 85 | 113 | 51 | 110 | 58 | 130 | 48 | 96 | 37 | 103 | 37 | 116 | 52 |
| | | | | | | | | | | | COP | PER (ug/I |) 1999 | | | | | | | | | | | |
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| | | IAN | | FEB | | MAR | | APR | | MAY | | | .) 1)))) | IUL. | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | | JUN | | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week | Inf 96 | Eff | Inf 97 | Eff | Inf 159 | Eff | Inf 117 | Eff | Inf 149 | Eff | Inf | JUN Eff | Inf | Eff | Inf 99 | Eff | Inf 118 | Eff | Inf 108 | Eff | Inf 136 | Eff | Inf 93 | Eff |
| | Inf 96 119 | Eff 60 | | Eff 98 | Inf 159 156 | Eff 75 | 117 | Eff 46 | 149 | Eff 55 | | JUN | | | | Eff 44 | Inf 118 169 | Eff 45 | Inf 108 104 | Eff 75 | 136 | Eff 73 | 93 | Eff 31 |
| 1 | 96 | Eff | 97 | Eff | 159 | Eff | | Eff | | Eff | Inf 103 | JUN Eff 72 | Inf 133 | Eff 64 | 99 | Eff | 118 | Eff | 108 | Eff 75 72 | | Eff | | Eff |
| 1 2 | 96 119 | Eff 60 88 | 97 110 | Eff 98 40 | 159 156 | Eff 75 43 | 117 88 | Eff 46 40 | 149 133 | Eff 55 45 | Inf 103 129 | JUN Eff 72 70 | Inf 133 133 | Eff 64 159 | 99 143 | Eff 44 24 | 118 169 | Eff 45 60 | 108 104 | Eff 75 | 136 137 | Eff 73 53 | 93 116 | Eff 31 120 |
| 1 2 3 | 96 119 | Eff 60 88 | 97 110 91 | Eff 98 40 65 | 159 156 121 | Eff 75 43 40 | 117 88 112 | Eff 46 40 70 | 149 133 | Eff 55 45 | Inf 103 129 178 | JUN Eff 72 70 45 | Inf 133 133 167 | Eff 64 159 58 | 99 143 107 | Eff 44 24 117 | 118 169 116 | Eff 45 60 34 | 108 104 130 | Eff 75 72 33 | 136 137 | Eff 73 53 | 93 116 97 | Eff 31 120 31 |
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| 1 2 3 4 | 96 119 90 | Eff 60 88 29 59 | 97 110 91 120 | Eff 98 40 65 66 67 | 159 156 121 106 | Eff 75 43 40 37 49 | 117 88 112 82 | Eff 46 40 70 46 51 | 149 133 246 | Eff 55 45 124 75 | Inf 103 129 178 119 132 COPI | JUN Eff 72 70 45 33 55 PER (ug/I | Inf 133 133 167 128 140 | Eff 64 159 58 56 84 | 99 143 107 96 | Eff 44 24 117 38 56 | 118 169 116 235 | Eff 45 60 34 155 74 | 108 104 130 131 | Eff 75 72 33 115 74 | 136 137 142 | Eff 73 53 46 57 | 93 116 97 112 | Eff 31 120 31 68 63 |
| 1 2 3 4 Average | 96 119 90 102 | Eff 60 88 29 59 JAN | 97 110 91 120 105 | Eff 98 40 65 66 67 FEB | 159 156 121 106 136 | Eff 75 43 40 37 49 MAR | 117 88 112 82 100 | Eff 46 40 70 46 51 APR | 149 133 246 176 | Eff 55 45 124 75 MAY | Inf 103 129 178 119 132 COPI | JUN Eff 72 70 45 33 55 PER (ug/I JUN | Inf 133 133 167 128 140 .) 2000 | Eff 64 159 58 56 84 JUL | 99 143 107 96 111 | Eff 44 24 117 38 56 AUG | 118 169 116 235 160 | Eff 45 60 34 155 74 SEP | 108 104 130 131 118 | Eff 75 72 33 115 74 OCT | 136 137 142 138 | Eff 73 53 46 57 NOV | 93 116 97 112 105 | Eff 31 120 31 68 63 DEC |
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| 1 2 3 4 Average | 96 119 90 102 Inf 150 153 | Eff 60 88 29 59 JAN Eff 49 60 | 97 110 91 120 105 <u>Inf</u> 158 125 | Eff 98 40 65 66 67 FEB Eff 58 51 | 159 156 121 106 136 <u>Inf</u> 206 154 | Eff 75 43 40 37 49 MAR Eff 47 72 | 117 88 112 82 100 Inf 88 185 | Eff 46 40 70 46 51 APR Eff 32 29 | 149 133 246 176 <u>Inf</u> 215 219 | Eff 55 45 124 75 MAY Eff 45 59 | Inf 103 129 178 119 132 COPI Inf 203 139 | JUN Eff 72 70 45 33 55 PER (ug/I JUN Eff 95 133 | Inf 133 133 167 128 140 .) 2000 Inf 156 73 | Eff 64 159 58 56 84 JUL Eff 199 213 | 99 143 107 96 111 <u>Inf</u> 156 191 | Eff 44 24 117 38 56 AUG Eff 52 133 | 118 169 116 235 160 <u>Inf</u> 280 192 | Eff 45 60 34 155 74 SEP Eff 74 56 | 108 104 130 131 118 Inf 137 291 | Eff 75 72 33 115 74 OCT Eff 60 66 | 136 137 142 138 <u>Inf</u> 209 215 | Eff 73 53 46 57 NOV Eff 106 150 | 93 116 97 112 105 <u>Inf</u> 167 135 | Eff 31 120 31 68 63 DEC Eff 155 67 |
| 1 2 3 4 Average Week 1 2 3 | 96 119 90 102 <u>Inf</u> 150 153 115 | Eff 60 88 29 59 JAN Eff 49 60 47 | 97 110 91 120 105 <u>Inf</u> 158 125 157 | Eff 98 40 65 66 67 FEB Eff 58 51 73 | 159 156 121 106 136 <u>Inf</u> 206 154 164 | Eff 75 43 40 37 49 MAR Eff 47 72 56 | 117 88 112 82 100 Inf 88 | Eff 46 40 70 46 51 APR Eff 32 | 149 133 246 176 <u>Inf</u> 215 219 131 | Eff 55 45 124 75 MAY Eff 45 59 41 | Inf 103 129 178 119 132 COPI Inf 203 139 147 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 | Inf 133 133 167 128 140 .) 2000 Inf 156 73 210 | Eff 64 159 58 56 84 JUL Eff 199 213 366 | 99 143 107 96 111 Inf 156 191 162 | Eff 44 24 117 38 56 AUG Eff 52 133 48 | 118 169 116 235 160 <u>Inf</u> 280 | Eff 45 60 34 155 74 SEP Eff 74 | 108 104 130 131 118 <u>Inf</u> 137 291 217 | Eff 75 72 33 115 74 OCT Eff 60 66 149 | 136 137 142 138 <u>Inf</u> 209 215 137 | Eff 73 53 46 57 NOV Eff 106 150 83 | 93 116 97 112 105 <u>Inf</u> 167 135 204 | Eff 31 120 31 68 63 DEC Eff 155 67 58 |
| 1 2 3 4 Average Week 1 2 3 4 | 96 119 90 102 <u>Inf</u> 150 153 115 127 | Eff 60 88 29 59 JAN Eff 49 60 47 75 | 97 110 91 120 105 Inf 158 125 157 107 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 | 159 156 121 106 136 <u>Inf</u> 206 154 164 180 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 | 117 88 112 82 100 <u>Inf</u> 88 185 198 | Eff 46 40 70 46 51 APR Eff 32 29 93 | 149 133 246 176 <u>Inf</u> 215 219 131 169 | Eff 55 45 124 75 MAY Eff 45 59 41 120 | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 52 | Inf 133 133 167 128 140 .) 2000 Inf 156 73 210 197 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 | 99 143 107 96 111 111 156 191 162 174 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 | 118 169 116 235 160 <u>Inf</u> 280 192 133 | Eff 45 60 34 155 74 SEP Eff 74 56 39 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 | 136 137 142 138 <u>Inf</u> 209 215 137 188 | Eff 73 53 46 57 NOV Eff 106 150 83 147 | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 | Eff 31 120 31 68 63 DEC Eff 155 67 58 51 |
| 1 2 3 4 Average Week 1 2 3 | 96 119 90 102 <u>Inf</u> 150 153 115 | Eff 60 88 29 59 JAN Eff 49 60 47 | 97 110 91 120 105 <u>Inf</u> 158 125 157 | Eff 98 40 65 66 67 FEB Eff 58 51 73 | 159 156 121 106 136 <u>Inf</u> 206 154 164 | Eff 75 43 40 37 49 MAR Eff 47 72 56 | 117 88 112 82 100 Inf 88 185 | Eff 46 40 70 46 51 APR Eff 32 29 | 149 133 246 176 <u>Inf</u> 215 219 131 | Eff 55 45 124 75 MAY Eff 45 59 41 | Inf 103 129 178 119 132 COPI Inf 203 139 147 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 | Inf 133 133 167 128 140 .) 2000 Inf 156 73 210 | Eff 64 159 58 56 84 JUL Eff 199 213 366 | 99 143 107 96 111 Inf 156 191 162 | Eff 44 24 117 38 56 AUG Eff 52 133 48 | 118 169 116 235 160 <u>Inf</u> 280 192 | Eff 45 60 34 155 74 SEP Eff 74 56 | 108 104 130 131 118 <u>Inf</u> 137 291 217 | Eff 75 72 33 115 74 OCT Eff 60 66 149 | 136 137 142 138 <u>Inf</u> 209 215 137 | Eff 73 53 46 57 NOV Eff 106 150 83 | 93 116 97 112 105 <u>Inf</u> 167 135 204 | Eff 31 120 31 68 63 DEC Eff 155 67 58 |
| 1 2 3 4 Average Week 1 2 3 4 | 96 119 90 102 <u>Inf</u> 150 153 115 127 | Eff 60 88 29 59 JAN Eff 49 60 47 75 | 97 110 91 120 105 Inf 158 125 157 107 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 | 159 156 121 106 136 <u>Inf</u> 206 154 164 180 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 | 117 88 112 82 100 <u>Inf</u> 88 185 198 | Eff 46 40 70 46 51 APR Eff 32 29 93 | 149 133 246 176 <u>Inf</u> 215 219 131 169 | Eff 55 45 124 75 MAY Eff 45 59 41 120 | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 52 | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 | 99 143 107 96 111 111 156 191 162 174 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 | 118 169 116 235 160 <u>Inf</u> 280 192 133 | Eff 45 60 34 155 74 SEP Eff 74 56 39 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 | 136 137 142 138 <u>Inf</u> 209 215 137 188 | Eff 73 53 46 57 NOV Eff 106 150 83 147 | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 | Eff 31 120 31 68 63 DEC Eff 155 67 58 51 |
| 1 2 3 4 Average Week 1 2 3 4 | 96 119 90 102 <u>Inf</u> 150 153 115 127 | Eff 60 88 29 59 JAN Eff 49 60 47 75 | 97 110 91 120 105 Inf 158 125 157 107 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 | 159 156 121 106 136 <u>Inf</u> 206 154 164 180 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 | 117 88 112 82 100 <u>Inf</u> 88 185 198 | Eff 46 40 70 46 51 APR Eff 32 29 93 | 149 133 246 176 <u>Inf</u> 215 219 131 169 | Eff 55 45 124 75 MAY Eff 45 59 41 120 | Inf 103 129 178 119 132 COPI 132 COPI 139 147 250 185 COPI | JUN Eff 72 70 45 55 PER (ug/I JUN Eff 95 133 52 83 | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 | 99 143 107 96 111 111 156 191 162 174 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 | 118 169 116 235 160 <u>Inf</u> 280 192 133 | Eff 45 60 34 155 74 SEP Eff 74 56 39 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 | 136 137 142 138 <u>Inf</u> 209 215 137 188 | Eff 73 53 46 57 NOV Eff 106 150 83 147 | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 | Eff 31 120 31 68 63 DEC Eff 155 67 58 51 |
| 1 2 3 4 Average Week 1 2 3 4 | 96 119 90 102 <u>Inf</u> 150 153 115 127 | Eff 60 88 29 59 JAN Eff 49 60 47 75 58 | 97 110 91 120 105 Inf 158 125 157 107 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 | 159 156 121 106 136 <u>Inf</u> 206 154 164 180 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 | 117 88 112 82 100 <u>Inf</u> 88 185 198 | Eff 46 40 70 46 51 4PR Eff 32 29 93 51 | 149 133 246 176 <u>Inf</u> 215 219 131 169 | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 | Inf 103 129 178 119 132 COPI 132 COPI 139 147 250 185 COPI | JUN Eff 72 70 45 33 55 PER (ug/I JUN Eff 95 133 53 52 83 PER (ug/I | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 219 | 99 143 107 96 111 111 156 191 162 174 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 | 118 169 116 235 160 <u>Inf</u> 280 192 133 | Eff 45 60 34 155 74 SEP Eff 74 56 39 56 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 | 136 137 142 138 <u>Inf</u> 209 215 137 188 | Eff 73 53 46 57 87 87 106 150 83 147 122 | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 | Eff 31 120 31 68 63 DEC Eff 155 67 58 51 83 |
| 1 2 3 4 Average Week 1 2 3 4 Average | 96 119 90 102 <u>Inf</u> 150 153 115 127 136 | Eff 60 88 29 59 JAN Eff 49 60 47 75 58 JAN | 97 110 91 120 105 <u>Inf</u> 158 125 157 107 137 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 FEB | 159 156 121 106 136 136 154 164 180 176 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 MAR | 117 88 112 82 100 <u>Inf</u> 88 185 198 157 | Eff 46 40 70 46 51 APR Eff 32 29 93 51 APR | 149 133 246 176 215 219 131 169 184 | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 MAY | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 COPI | JUN Eff 72 70 45 33 55 PER (ug/I JUN Eff 95 133 53 52 83 PER (ug/I JUN PER (ug/I PER (ug/I JUN PER (ug/I JUN PER (ug/I PER (ug/ | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 2001 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 219 JUL | 99 143 107 96 111 156 191 162 174 171 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 AUG | 118 169 116 235 160 <u>Inf</u> 280 192 133 202 | Eff 45 60 34 155 74 SEP Eff 74 56 39 56 SEP | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 212 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 OCT | 136 137 142 138 <u>Inf</u> 209 215 137 188 187 | Eff 73 53 46 57 NOV Eff 106 150 83 147 122 NOV | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 166 | Eff 31 120 31 68 63 DEC Eff 155 67 58 51 83 DEC |
| 1 2 3 4 Average Ueek Ueek Week | 96 119 90 102 <u>Inf</u> 150 153 115 127 136 Inf | Eff 60 88 29 59 JAN Eff 60 47 75 58 JAN Eff | 97 110 91 120 105 <u>Inf</u> 158 125 157 107 137 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 FEB Eff FEB Eff | 159 156 121 106 136 136 154 164 180 176 Inf | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 MAR Eff | 117 88 112 82 100 <u>Inf</u> 88 185 198 157 Inf | Eff 46 40 70 46 51 31 APR Eff 51 APR Eff | 149 133 246 176 <u>Inf</u> 215 219 131 169 184 Inf | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 MAY Eff | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 COPI Inf | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 52 83 PER (ug/L JUN Eff | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 2001 Inf | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 219 JUL Eff | 99 143 107 96 111 156 191 162 174 171 Inf | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 AUG Eff | 118 169 116 235 160 Inf 280 192 133 202 Inf | Eff 45 60 34 155 74 SEP Eff 74 56 39 56 SEP Eff | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 212 Inf | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 OCT Eff | 136 137 142 138 <u>Inf</u> 209 215 137 188 187 Inf | Eff 73 53 46 57 87 87 106 150 83 147 122 NOV Eff | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 166 Inf | Eff 31 120 31 68 63 DEC Eff 58 51 83 DEC Eff |
| 1 2 3 4 Average Ueek 1 2 3 4 Average | 96 119 90 102 <u>Inf</u> 150 153 115 127 136 <u>Inf</u> 193 | Eff 60 88 29 59 JAN Eff 49 60 47 75 58 JAN Eff 114 | 97 110 91 120 105 105 158 125 157 107 137 Inf 185 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 FEB Eff 98 | 159 156 121 106 136 136 154 164 164 180 176 174 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 MAR Eff 121 | 117 88 112 82 100 <u>Inf</u> 88 185 198 157 <u>Inf</u> 223 | Eff 46 40 70 46 51 31 APR Eff 32 29 93 51 51 APR Eff 99 | 149 133 246 176 215 219 131 169 184 Inf 152 | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 MAY Eff 63 | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 COPI Inf 165 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff JUN Eff JUN Eff 226 | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 2001 Inf 160 | Eff 64 159 58 56 84 JUL Eff 199 213 366 98 219 JUL Eff 90 | 99 143 107 96 111 156 191 162 174 171 185 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 AUG Eff 79 | 118 169 116 235 160 192 133 202 Inf 253 | Eff 45 60 34 155 74 SEP Eff 74 56 SEP Eff 74 56 SEP Eff 73 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 212 <u>Inf</u> 329 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 OCT Eff 63 | 136 137 142 138 <u>Inf</u> 209 215 137 188 187 <u>Inf</u> 129 | Eff 73 53 46 57 NOV Eff 106 150 83 147 122 NOV Eff 26 | 93 116 97 112 105 <u>Inf</u> 167 135 204 157 166 <u>Inf</u> 196 | Eff 31 120 31 68 63 DEC Eff 58 51 83 DEC Eff 83 |
| 1 2 3 4 Average U 2 3 4 Average Week 1 2 3 4 Average | 96 119 90 102 <u>Inf</u> 150 153 115 127 136 <u>Inf</u> 193 202 | Eff 60 88 29 59 JAN Eff 60 47 75 58 JAN Eff 114 141 | 97 110 91 120 105 105 158 125 157 107 137 Inf 185 158 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 FEB Eff 98 205 | 159 156 121 106 136 136 154 164 180 176 174 162 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 MAR Eff 121 61 | 117 88 112 82 100 <u>Inf</u> 88 185 198 157 <u>Inf</u> 223 168 | Eff 46 40 70 46 51 31 APR Eff 32 29 93 51 51 APR Eff 99 90 | 149 133 246 176 215 219 131 169 184 Inf 152 178 | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 MAY Eff 63 177 | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 COPI Inf 165 268 | JUN Eff 72 70 45 33 55 PER (ug/L JUN Eff 95 133 53 52 83 PER (ug/L JUN Eff 226 69 | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 2001 Inf 160 164 | Eff 64 159 58 56 84 JUL Eff 213 366 98 219 JUL Eff 90 68 | 99 143 107 96 111 156 191 162 174 171 171 185 327 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 AUG Eff 79 185 | 118 169 116 235 160 <u>Inf</u> 280 192 133 202 <u>Inf</u> 253 138 | Eff 45 60 34 155 74 SEP Eff 74 56 SEP Eff 74 56 SEP Eff 73 70 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 212 <u>Inf</u> 329 234 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 OCT Eff 63 121 | 136 137 142 138 <u>Inf</u> 209 215 137 188 187 <u>Inf</u> 129 169 | Eff 73 53 46 57 NOV Eff 106 150 83 147 122 NOV Eff 26 110 | 93 116 97 112 105 105 105 105 105 105 105 105 | Eff 31 120 31 68 63 DEC Eff 58 51 83 DEC Eff 83 BEC Eff 83 |
| 1 2 3 4 Average 1 2 3 4 Average Week 1 2 3 4 Average | 96 119 90 102 <u>Inf</u> 150 153 115 127 136 <u>Inf</u> 193 202 194 | Eff 60 88 29 59 JAN Eff 49 60 47 75 58 JAN Eff 114 141 93 | 97 110 91 120 105 105 158 125 157 107 137 Inf 185 158 | Eff 98 40 65 66 67 FEB Eff 58 51 73 57 60 FEB Eff 98 205 | 159 156 121 106 136 136 154 164 180 176 174 162 204 | Eff 75 43 40 37 49 MAR Eff 47 72 56 79 64 MAR Eff 121 61 127 | 117 88 112 82 100 <u>Inf</u> 88 185 198 157 <u>Inf</u> 223 168 177 | Eff 46 40 70 46 51 APR Eff 32 29 93 51 51 APR Eff 99 90 84 | 149 133 246 176 215 219 131 169 184 Inf 152 178 192 | Eff 55 45 124 75 MAY Eff 45 59 41 120 66 MAY Eff 63 177 163 | Inf 103 129 178 119 132 COPI Inf 203 139 147 250 185 COPI Inf 165 268 207 | JUN Eff 72 70 45 33 55 PER (ug/I JUN Eff 95 133 53 52 83 PER (ug/I JUN Eff 69 95 | Inf 133 133 167 128 140 2000 Inf 156 73 210 197 159 2001 Inf 160 164 | Eff 64 159 58 56 84 JUL Eff 213 366 98 219 JUL Eff 90 68 | 99 143 107 96 111 156 191 162 174 171 162 174 171 185 327 323 | Eff 44 24 117 38 56 AUG Eff 52 133 48 66 75 AUG Eff 79 185 174 | 118 169 116 235 160 <u>Inf</u> 280 192 133 202 <u>Inf</u> 253 138 274 | Eff 45 60 34 155 74 SEP Eff 74 56 SEP Eff 74 56 SEP Eff 73 70 149 | 108 104 130 131 118 <u>Inf</u> 137 291 217 201 212 <u>Inf</u> 329 234 122 | Eff 75 72 33 115 74 OCT Eff 60 66 149 85 90 OCT Eff 63 121 256 | 136 137 142 138 <u>Inf</u> 209 215 137 188 187 <u>Inf</u> 129 169 109 | Eff 73 53 46 57 NOV Eff 106 150 83 147 122 NOV Eff 26 110 94 | 93 116 97 112 105 105 105 105 105 105 105 105 | Eff 31 120 31 68 63 DEC Eff 58 51 83 DEC Eff 84 81 91 |

| | | | | | | | | | | | LEA | AD (ug/L) | 1996 | | | | | | | | | | | |
|--|--|---|---|--|--|--|--|--|--|---|--|---|---|--|---|--|--|--|--|--|--|--|--|--|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| | | | | | | | | | | | LE | | 1000 | | | | | | | | | | | |
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| | | LAN | | FED | | MAD | | | | MAV | LLI | AD (ug/L) | 1999 | TTT | | AUG | | CED | | OCT | | NOV | | DEC |
| Week | | JAN Eff | | FEB Fff | Inf | MAR | Inf | APR Eff | Inf | MAY Eff | | JUN | | JUL | | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV | Inf | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | JUN Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf <18 | Eff |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| 1 | <14 | <14 | 17 | 20 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| 2 3 | <14 <14 | <14 <14 | <14 32 | <14 23 | <14 | <14 | <14 | <14 | 16 18 | 15 17 | <14 <14 | <14 | <14 17 | <14 <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 <14 | <14 <14 | <14 | <14 17 |
| 4 | <14 | <14 | <14 | <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | <14 | <14 | <14 | <14 | 16 | <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | 30 19 | <14 <14 | <14 | <14 | <14 <14 | <14 |
| Average | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | KEL (ug/L |) 1997 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <14 | <14 | 18 | <14 | 25 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | 22 | 20 | <14 | <14 | <14 | 16 | 17 | <14 | <14 | <14 |
| 2 3 | <14 <14 | <14 <14 | 20 20 | 19 <14 | 18 <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | 24 24 | <14 <14 | <14 <14 | <14 <14 | 23 <14 | 22 <14 | 28 20 | <14 <14 | <14 <14 | 18 <14 | <14 <14 | <14 <14 | 18 <14 | <14 <14 |
| 4 | <14 | <14 | <14 | <14 | <14 | 17 | <14 | <14 | <14 | <14 <14 | 24 17 | <14 | <14 | <14 | <14 | <14 | 20 | <14 | 32 | <14 | <14 | 17 | <14 | <14 |
| Average | <14 | <14 | 15 | 5 | 11 | 4 | <14 | <14 | <14 | <14 | 16 | <14 | <14 | <14 | 11 | 11 | <14 | <14 | 8 | 9 | 4 | 4 | 5 | <14 |
| U | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | KEL (ug/L |) 1998 | | | | | | | 0.05 | | | | 550 |
| W 7 1- | | JAN | Lef | FEB | T C | MAR | TC | APR | T - C | MAY | | JUN | T C | JUL | T. C | AUG | T C | SEP | T C | OCT | T. C | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 2 | <14 19 | <14 <14 | <14 <14 | <14 <14 | <14 21 | <14 <14 | <14 31 | <14 <14 | 29 26 | 20 <14 | <14 <14 | <14 <14 | 29 <14 | <14 <14 | <14 <14 | <14 <14 |
| 3 | 20 | <14 | <14 | <14 | 17 | <14 | <14 | <14 | 18 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | 22 | <14 | 31 | <14 | <14 | <14 |
| 4 | <14 | <14 | ~14 | ~14 | <14 | <14 | 16 | <14 | 14 | <14 | <14 | <14 | 11 | ~14 | 20 | <14 | <14 | 17 | <14 | <14 | 25 | <14 | <14 | <14 |
| Average | 10 | <14 | <14 | <14 | 10 | <14 | 12 | <14 | 8 | <14 | <14 | <14 | <14 | <14 | 5 | <14 | 14 | 9 | 6 | <14 | 21 | <14 | <14 | <14 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | KEL (ug/L |) 1999 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 2 | 45 <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | <14 | <14 <14 | <14 <14 | <14 <14 | <14 <14 | <14 16 | <14 <14 | <14 <14 | <14 <14 | 20 <14 | <14 <14 | 20 27 | <14 <14 |
| 3 | <14 | <14 | <14 | <14 | <14 | <14 <14 | <14 | <14 <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | 27 | <14 |
| 4 | 1 1 | N 14 | <14 | <14 | <14 | <14 | 17 | <14 | 1 1 | 14 | 17 | <14 | <14 | <14 | <14 | <14 | <14 | 15 | <14 | <14 | ~14 | 114 | <14 | 29 |
| Average | 15 | <14 | <14 | <14 | <14 | <14 | 4 | <14 | <14 | <14 | 8 | <14 | <14 | <14 | 5 | <14 | <14 | 4 | <14 | <14 | <14 | <14 | 17 | 7 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | KEL (ug/L |) 2000 | | | | | | | | | | | |
| X 7 1 | | JAN | T C | FEB | T C | MAR | T C | APR | T C | MAY | | JUN | T C | JUL | T.C | AUG | T C | SEP | T C | OCT | T.C | NOV | | DEC |
| Week 1 | Inf <14 | Eff <14 | Inf <14 | Eff <14 | Inf <14 | Eff | Inf <14 | Eff 19 | Inf 15 | Eff <14 | Inf <14 | Eff <14 | Inf 19 | Eff 19 | Inf 19 | Eff <14 | Inf | Eff <14 | Inf 15 | Eff | Inf <14 | Eff <14 | Inf <14 | Eff <14 |
| 2 | <14 | <14 | <14 | <14 | <14 | <14 <14 | <14 | <14 | <14 | <14 <14 | <14 | <14 | 19 | 19 | 31 | <14 72 | <14 <14 | <14 <14 | 30 | <14 <14 | <14 | <14 | <14 | <14 |
| 3 | <14 | <14 | <14 | <14 | <14 | <14 | 16 | <14 | 19 | 24 | <14 | <14 | <14 | 26 | 34 | 33 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| 4 | <14 | <14 | <14 | <14 | <14 | 16 | | | 19 | <14 | 15 | <14 | 16 | <14 | 26 | <14 | | | <14 | <14 | <14 | <14 | <14 | <14 |
| Average | <14 | <14 | <14 | <14 | <14 | 4 | 5 | 6 | 13 | 6 | 4 | <14 | 13 | 16 | 28 | 26 | <14 | <14 | 11 | <14 | <14 | <14 | <14 | <14 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | FFD | | MAD | | | | 14.117 | | KEL (ug/L) |) 2001 | | | | | GED | | 0.07 | | NOV | | DEC |
| Weels | | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | | JUN Eff | Inf | JUL Eff | Inf | AUG Eff | T., f | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | | DEC Eff |
| Week | Inf <14 | 22 | Inf 17 | | Inf <14 | <14 | Inf <14 | | Inf <14 | <14 | Inf <14 | <14 | Inf 15 | .1.4 | Inf <14 | <14 | Inf <14 | EII | Inf <14 | .1.4 | Inf <14 | <14 | Inf <14 | <14 |
| 2 | <14 <14 | 15 | <14 | <14 <14 | <14 | <14 | <14 <14 | 17 <14 | <14 | <14 | <14 | <14 | 29 | <14 <14 | <14 | <14 | <14 <14 | <14 | <14 <14 | <14 <14 | <14 <14 | <14 | <14 <14 | <14 |
| 3 | <14 | <14 | 21 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | 18 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| 4 | <14 | <14 | | | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | | | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| Average | <14 | 9 | 13 | <14 | <14 | <14 | <14 | 4 | <14 | <14 | <14 | <14 | 15 | <14 | <14 | <14 | 5 | <14 | <14 | <14 | <14 | <14 | <14 | <14 |
| | | | | | | | | | | | | URY (ug/ | L) 1996 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | 0.46 | < 0.27 | < 0.27 | < 0.27 | 0.48 | < 0.27 | 0.37 | < 0.27 | < 0.27 | < 0.27 | 0.39 | < 0.27 | 0.29 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.32 | < 0.27 | < 0.27 | < 0.27 |

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| 2 | < 0.27 | < 0.27 | 0.49 | < 0.27 | 0.37 | < 0.27 | < 0.27 | < 0.27 | 0.39 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
|---------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | < 0.27 | < 0.27 | 0.87 | < 0.27 | 0.40 | < 0.27 | < 0.27 | < 0.27 | 0.32 | < 0.27 | < 0.27 | < 0.27 | 0.59 | < 0.27 | < 0.27 | < 0.27 | NA | NA | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 4 | | | < 0.27 | < 0.27 | 0.65 | < 0.27 | 0.47 | < 0.27 | < 0.27 | < 0.27 | | | < 0.27 | < 0.27 | 0.36 | < 0.27 | 0.38 | < 0.27 | 0.47 | < 0.27 | | | < 0.27 | < 0.27 |
| Average | < 0.27 | < 0.27 | 0.32 | < 0.27 | 0.36 | < 0.27 | < 0.27 | < 0.27 | 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | <0027 | < 0.27 |

| | | | | | | | | | | | MERC | URY (ug/ | L) 1997 | | | | | | | | | | | |
|---------|--------|--------|------|--------|--------|--------|--------|--------|------|--------|--------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | 0.50 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.40 | < 0.27 | 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.32 | < 0.27 | < 0.27 | < 0.27 | 0.33 | < 0.27 | 0.32 | < 0.27 | 0.48 | < 0.27 |
| 2 | < 0.27 | < 0.27 | 0.36 | < 0.27 | < 0.27 | < 0.27 | 0.52 | 0.32 | 0.37 | < 0.27 | NA | NA | 0.57 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.46 | < 0.27 |
| 3 | 0.53 | 0.38 | 0.48 | 0.38 | < 0.27 | < 0.27 | 0.53 | 0.40 | 0.38 | < 0.27 | 0.44 | < 0.27 | 0.55 | < 0.27 | < 0.27 | < 0.27 | 0.39 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 4 | 0.32 | < 0.27 | 0.38 | < 0.27 | < 0.27 | < 0.27 | | | 0.41 | < 0.27 | < 0.27 | < 0.27 | 0.58 | < 0.27 | 0.36 | < 0.27 | | | 0.47 | < 0.27 | 0.70 | < 0.27 | < 0.27 | < 0.27 |
| Average | 0.21 | < 0.27 | 0.43 | 0.10 | < 0.27 | < 0.27 | 0.35 | 0.24 | 0.39 | < 0.27 | 0.24 | < 0.27 | 0.43 | < 0.27 | 0.08 | < 0.27 | 0.13 | < 0.27 | 0.08 | < 0.27 | 0.18 | < 0.27 | 0.24 | < 0.27 |

| | | | | | | | | | | | MERC | URY (ug/ | L) 1998 | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.42 | 0.38 | 0.66 | 0.43 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.64 | < 0.27 | 0.77 | 0.51 |
| 2 | < 0.27 | < 0.27 | 0.37 | < 0.27 | 0.30 | < 0.27 | 0.48 | < 0.27 | 0.51 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.37 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 3 | 0.89 | < 0.27 | < 0.27 | < 0.27 | 0.48 | < 0.27 | < 0.27 | < 0.27 | 0.57 | < 0.27 | < 0.27 | < 0.27 | 0.30 | < 0.27 | 0.37 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 4 | 0.39 | < 0.27 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.99 | < 0.27 | | | 0.33 | < 0.27 | < 0.27 | < 0.27 | 0.32 | 0.45 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| Average | 0.32 | < 0.27 | 0.12 | < 0.27 | 0.30 | 0.10 | 0.29 | 0.11 | 0.27 | < 0.27 | 0.25 | < 0.27 | 0.10 | < 0.27 | 0.18 | < 0.27 | 0.09 | < 0.27 | 0.08 | 0.11 | 0.16 | < 0.27 | 0.19 | 0.13 |

| | | | | | | | | | | | MERC | URY (ug/ | L) 1999 | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | 1 | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.34 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 2 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.54 | 0.44 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.41 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 3 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.48 | < 0.27 | < 0.27 | < 0.27 | 0.55 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.45 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 4 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.42 | < 0.27 | | | < 0.27 | < 0.27 |
| Average | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.26 | 0.11 | < 0.27 | < 0.27 | 0.14 | < 0.27 | < 0.27 | < 0.27 | 0.19 | < 0.27 | 0.11 | < 0.27 | 0.11 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |

| | | | | | | | | | | | MERC | URY (ug/ | L) 2000 | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | 0.54 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.86 | < 0.27 | < 0.27 | < 0.27 | 0.33 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.71 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 2 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.46 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 3 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.35 | < 0.27 | 0.38 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 1.08 | < 0.27 | 0.37 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 4 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | | | 0.46 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.40 | < 0.27 |
| Average | < 0.27 | < 0.27 | 0.14 | < 0.27 | 0.12 | < 0.27 | 0.12 | < 0.27 | 0.43 | < 0.27 | < 0.27 | < 0.27 | 0.08 | < 0.27 | < 0.27 | < 0.27 | 0.36 | < 0.27 | 0.27 | 0.07 | < 0.27 | < 0.27 | 0.10 | < 0.27 |

| | | | | | | | | | | | MERC | URY (ug/ | L) 2001 | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | Ţ | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.36 | < 0.27 | < 0.27 | < 0.27 | 0.46 | < 0.27 | 0.28 | < 0.27 | 0.39 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 2 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.42 | < 0.27 | 0.30 | < 0.27 | < 0.27 | < 0.27 | 0.34 | < 0.27 | 0.39 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| 3 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.59 | < 0.27 | 0.34 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.32 | < 0.27 | < 0.27 | < 0.27 |
| 4 | < 0.27 | < 0.27 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.41 | < 0.27 | 0.29 | < 0.27 | | | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.47 | < 0.27 | < 0.27 | < 0.27 |
| Average | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | 0.36 | < 0.27 | 0.32 | < 0.27 | < 0.27 | < 0.27 | 0.20 | < 0.27 | 0.17 | < 0.27 | 0.10 | < 0.27 | 0.20 | < 0.27 | < 0.27 | < 0.27 |

| | | | | | | | | | | | SILV | ER (ug/L) | 1996 | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | | JUL | AUG | | SEP | | OCT | | NOV | | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 9 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 2 | <6.6 | <6.6 | 10 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 3 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 7 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 4 | | | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | | | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | | | <6.6 | <6.6 |
| Average | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |

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| | | | | | | | | | | | SILV | VER (ug/L |) 1997 | | | | | | | | | | | |
|--------------|---|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------------|---------------|------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 7.9 | <6.6 | <6.6 | <6.6 | 13.2 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 8.1 | <6.6 |
| 2 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 8.3 | <6.6 | <6.6 | <6.6 | 9.5 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 10.1 | <6.6 |
| 3 | <6.6 | 7.0 | <6.6 | <6.6 | <6.6 | <6.6 | 17.5 | <6.6 | <6.6 | <6.6 | 8.6 | <6.6 | 8.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 4 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 0.6 | | <6.6 | <6.6 | 10.0 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | | | <6.6 | <6.6 | 7.4 | <6.6 | <6.6 | <6.6 |
| Average | <6.6 | 1.8 | <6.6 | <6.6 | <6.6 | <6.6 | 8.6 | <6.6 | <6.6 | <6.6 | 9.0 | <6.6 | 2.2 | <6.6 | 3.3 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 1.9 | <6.6 | 4.6 | <6.6 |
| | | | | | | | | | | | SILV | /ER (ug/L |) 1998 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | , 1,,,0 | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 27.2 | 10.8 | <6.6 | <6.6 | <6.6 |
| 2 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 3 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 6.7 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 13.1 | 8.8 | <6.6 | 9.0 | <6.6 |
| 4 | <6.6 | <6.6 | | | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 9.4 | <6.6 | | | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 11.1 | <6.6 | <6.6 |
| Average | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 1.7 | <6.6 | 2.4 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 10.1 | 4.9 | 2.8 | 2.3 | <6.6 |
| | SILVER (ug/L) 1999 | | | | | | | | | | | | | | | | | | | | | | | |
| | SILVER (ug/L) 1999 JAN FEB MAR APR MAY JUN JUL | | | | | | | | | | | | | | | AUC | | CED | | OCT | | NOV | | DEC |
| Waak | Inf | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MA Y Eff | | JUN Eff | Inf | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week 1 | <6.6 | <6.6 | <6.6 | <6.6 | 9.9 | <6.6 | Inf <6.6 | <6.6 | Inf 8.3 | <6.6 | Inf <6.6 | 7.9 | Inf <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | Inf <6.6 | 27.2 | Inf <6.6 | <6.6 | Inf <6.6 | <6.6 |
| 2 | < 6.6 | < 6.6 | <6.6 | <0.0 <6.6 | 16.0 | <0.0 7.6 | < 6.6 | <0.0 <6.6 | 6.6 | <0.0 <6.6 | <0.0 <6.6 | 8.8 | <0.0 <6.6 | <6.6 | < 6.6 | <0.0 <6.6 | < 6.6 | <0.0 <6.6 | < 6.6 | <6.6 | 9.0 | <6.6 | <0.0 <6.6 | <0.0 <6.6 |
| 3 | <6.6 | <6.6 | <6.6 | <6.6 | 11.9 | <6.6 | <6.6 | <6.6 | 14.2 | <6.6 | <6.6 | 11.2 | <6.6 | <6.6 | 10.9 | <6.6 | <6.6 | <6.6 | <6.6 | 13.1 | <6.6 | <6.6 | <6.6 | <6.6 |
| 4 | .0.0 | (010 | <6.6 | <6.6 | <6.6 | 14.2 | <6.6 | <6.6 | 12 | (010 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 6.7 | <6.6 | <6.6 | <6.6 | <6.6 | (0.0 | 1010 | <6.6 | <6.6 |
| Average | <6.6 | <6.6 | <6.6 | <6.6 | 9.5 | 5.5 | <6.6 | <6.6 | 9.7 | <6.6 | <6.6 | 7.0 | <6.6 | <6.6 | 2.7 | 1.7 | <6.6 | <6.6 | <6.6 | 10.1 | 3.0 | <6.6 | <6.6 | <6.6 |
| | | | | | , | | | | | | | | | | | | | | | | | | -010 | (0.0 |
| | SILVER (ug/L) 2000 | | | | | | | | | | | | | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 27.2 | <6.6 | <6.6 | 9.8 | <6.6 |
| 2 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 3 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 12.3 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 <6.6 | 13.1 <6.6 | <6.6 | <6.6 | 6.7 <6.6 | <6.6 |
| 4 Average | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 | <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | <6.6 <6.6 | 7.8 | <6.6 <6.6 | <6.6 <6.6 | <6.6 | <6.6 | < 6.6 | 10.1 | <6.6 <6.6 | <6.6 <6.6 | 4.1 | <6.6 <6.6 |
| Average | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | 5.0 | <0.0 | <0.0 | <0.0 | <0.0 | <0.0 | 10.1 | <0.0 | <0.0 | 4.1 | <0.0 |
| | | | | | | | | | | | SILV | VER (ug/L |) 2001 | | | | | | | | | | | |
| | | JAN | | | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 1.0 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 12.1 | <6.6 | 7.4 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 7.0 | <6.6 | <6.6 | <6.6 |
| 2 | <6.6 | <6.6 | <6.6 | 9.1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 15.7 | <6.6 | 8.1 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 20.9 | <6.6 | <6.6 | <6.6 |
| 3 | <6.6 | <6.6 | <6.6 | 11.0 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 11.5 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| 4 | <6.6 | <6.6 | | (7 | 13.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 0.2 | | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 |
| Average | <6.6 | <6.6 | <6.6 | 6.7 | 3.4 | 2.6 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 ZIN | <6.6 NC (ug/L) | 9.3 1996 | <6.6 | 6.8 | <6.6 | <6.6 | <6.6 | <6.6 | <6.6 | 7.0 | <6.6 | <6.6 | <6.6 |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | 1770 | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 190 | 118 | 214 | 348 | 155 | 126 | 108 | 26 | 165 | 212 | 158 | 56 | 451 | 181 | 104 | 26 | 103 | 16 | 57 | <4 | 117 | 26 | 81 | 64 |
| 2 | 180 | 68 | 268 | 201 | 188 | 57 | 108 | 24 | 214 | 77 | 177 | 71 | 259 | 167 | 128 | 38 | 197 | 39 | 68 | 80 | 102 | 24 | 113 | 52 |
| 3 | 182 | 99 | 310 | 148 | 400 | 52 | 314 | 14 | 165 | 74 | 179 | 79 | 301 | 179 | 61 | 26 | 202 | <4 | 92 | 14 | 128 | 24 | 99 | 51 |
| 4 | - | | 249 | 167 | 229 | 47 | 143 | 22 | 167 | 72 | | | 292 | 173 | 117 | 20 | 90 | 133 | 165 | 13 | | | 80 | 61 |
| Average | 184 | 95 | 260 | 216 | 243 | 71 | 168 | 22 | 178 | 109 | 171 | 69 | 326 | 175 | 103 | 28 | 148 | 47 | 96 | 27 | 116 | 25 | 93 | 57 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | FFD | | 1410 | | | | 1 6 4 37 | | NC (ug/L) | 1997 | | | | | GED | | 0.07 | | NOV | | DEC |
| 337 - 1 | | JAN | T. C | FEB | T. C | MAR | T.C | APR | T. C | MAY | | JUN | T. C | JUL | T. C | AUG | T. C | SEP | T. C | OCT | TC | NOV | T. C | DEC |
| Week | Inf 89 | Eff 38 | Inf 131 | Eff 81 | Inf 238 | Eff 170 | Inf 126 | Eff 21 | Inf 148 | Eff 40 | Inf 186 | Eff 89 | Inf 183 | Eff 171 | Inf 164 | Eff 96 | Inf 115 | Eff 57 | Inf 128 | Eff 40 | Inf 105 | Eff 18 | Inf 148 | Eff |
| | 07 | 30 | 131 | 81 | 230 | 170 | 120 | 21 | 148 | | | | | | | | 115 | 57 | 128 | 40 | 105 | 10 | 148 | 52 |
| | | | | | | | | | | 0 | - 0 1-4 | iont and | E ((), | | | | | | | | | | | |

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| 2 | 99 | 34 | 147 | 54 | 185 | 169 | 131 | 13 | 159 | 45 | 226 | 93 | 225 | 187 | 167 | 45 | 143 | 48 | 119 | 26 | 144 | 28 | 159 | 43 |
|-----------|-----------------------------|------------|------|--------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 3 | 71 | 36 | 135 | 30 | 258 | 151 | 117 | 17 | 196 | 50 | 218 | 93 | 188 | 70 | 139 | 51 | 663 | 152 | 115 | 27 | 98 | 23 | 169 | 59 |
| 4 | 115 | 34 | 161 | 37 | 323 | 154 | | | 129 | 43 | 194 | 91 | 176 | 70 | 118 | 40 | | | 276 | 21 | 193 | 25 | 120 | 31 |
| Average | 94 | 36 | 144 | 51 | 251 | 161 | 125 | 17 | 158 | 45 | 206 | 92 | 193 | 125 | 147 | 58 | 307 | 86 | 160 | 29 | 135 | 24 | 149 | 46 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | ZI | NC (ug/L) | 1998 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | JUL | | AUG | | | SEP | OCT | | NOV | | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 116 | 45 | 134 | 29 | 117 | 4 | 124 | 241 | 148 | 15 | 127 | 52 | 128 | 32 | 135 | 40 | 179 | 38 | 126 | 154 | 158 | 33 | 196 | 44 |
| 2 | 174 | 36 | 147 | 43 | 168 | 40 | 132 | 33 | 132 | 27 | 131 | 63 | 127 | 31 | 124 | 35 | 327 | 27 | 157 | 75 | 155 | 33 | 148 | 40 |
| 3 | 129 | 44 | 146 | 60 | 148 | 57 | 130 | 31 | 160 | 20 | 148 | 54 | 132 | 30 | 184 | 29 | 169 | 29 | 186 | 61 | 184 | 108 | 163 | 42 |
| 4 | 185 | 32 | | | 144 | 50 | 132 | 33 | 138 | 104 | 173 | 60 | | | 175 | 30 | 207 | 31 | 180 | 56 | 141 | 46 | 143 | 60 |
| Average | 151 | 39 | 142 | 44 | 144 | 38 | 130 | 85 | 145 | 42 | 145 | 57 | 129 | 31 | 155 | 34 | 221 | 31 | 162 | 87 | 160 | 55 | 163 | 47 |
| | | | | | | | | | | | 70 | | 1000 | | | | | | | | | | | |
| | | TAN | | FFD | | MAD | | 4.0.0 | | 14.17 | ZI | NC (ug/L) | 1999 | | | AUC | | CED | | OCT | | NOV | | DEC |
| Wash | Teef | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | Inf | JUN Eff | Inf | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week 1 | Inf 140 | 29 | 107 | 32 | 154 | 40 | 112 | 31 | 140 | 41 | Inf 159 | 40 | Inf 182 | 29 | 176 | 70 | 307 | 35 | 162 | 33 | 118 | 46 | 132 | 25 |
| 2 | 140 | 29 44 | 182 | 32 | 134 | 36 | 112 | 34 | 140 | 26 | 181 | 40 34 | 182 | 29 37 | 176 | 62 | 182 | 48 | 184 | 35 36 | 160 | 40 | 132 | 23 257 |
| 3 | 122 | 31 | 147 | 30 | 124 | 33 | 119 | 36 | 143 | 34 | 165 | 45 | 142 | 36 | 169 | 47 | 146 | 40 54 | 148 | 38 | 147 | 68 | 125 | 56 |
| 4 | 122 | 51 | 139 | 38 | 161 | 33 | 124 | 26 | 145 | 54 | 105 | 43 77 | 163 | 52 | 143 | 42 | 151 | 34 | 140 | 34 | 147 | 00 | 108 | 42 |
| Average | 138 | 35 | 144 | 35 | 146 | 36 | 118 | 32 | 135 | 34 | 170 | 49 | 159 | 39 | 168 | 55 | 197 | 43 | 159 | 35 | 142 | 52 | 126 | 95 |
| iiioiugo | 100 | 55 | | 00 | 110 | 20 | 110 | 52 | 100 | 5. | 170 | ., | 107 | 57 | 100 | 00 | .,, | | 107 | 00 | 1.2 | 02 | 120 | ,,, |
| | ZINC (ug/L) 2000 | | | | | | | | | | | | | | | | | | | | | | | |
| | JAN FEB MAR APR MAY JUN JUL | | | | | | | | | | | | | | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 126 | 32 | 182 | 62 | 142 | 37 | 136 | 35 | 182 | 39 | 144 | 24 | 226 | 135 | 166 | 25 | 140 | 27 | 115 | 22 | 152 | 26 | 165 | 42 |
| 2 | 181 | 33 | 190 | 69 | 179 | 33 | 110 | 26 | 179 | 33 | 126 | 23 | 261 | 150 | 154 | 21 | 169 | 25 | 270 | 23 | 141 | 27 | 175 | 31 |
| 3 | 152 | 50 | 151 | 67 | 148 | 30 | 116 | 27 | 148 | 39 | 155 | 23 | 249 | 151 | 158 | 27 | 130 | 20 | 137 | 29 | 134 | 34 | 171 | 33 |
| 4 | 150 | 43 | 175 | 69 | 147 | 58 | | | 154 | 31 | 170 | 28 | 222 | 127 | 144 | 23 | | | 129 | 29 | 117 | 33 | 171 | 35 |
| Average | 152 | 40 | 175 | 67 | 154 | 40 | 121 | 29 | 166 | 36 | 149 | 25 | 240 | 141 | 156 | 24 | 146 | 24 | 163 | 26 | 136 | 30 | 171 | 35 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | ZII | NC (ug/L) | 2001 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 145 | 28 | 142 | 34 | 124 | 36 | 166 | 29 | 157 | 41 | 188 | 66 | 133 | 25 | 152 | 29 | 111 | 20 | 153 | 26 | 163 | 30 | 142 | 29 |
| 2 | 124 | 30 | 129 | 36 | 123 | 34 | 141 | 29 | 133 | 39 | 157 | 27 | 141 | 28 | 277 | 30 | 135 | 25 | 142 | 22 | 160 | 24 | 113 | 25 |
| 3 | 122 121 | 31 | 138 | 35 | 109 135 | 33 | 225 142 | 57 | 160 155 | 46 42 | 154 124 | 39 | 143 | 24 | 269 204 | 29 27 | 158 | 37 | 132 121 | 23 20 | 124 134 | 25 | 102 | 21 |
| 4 | 121 | 31 30 | 136 | 35 | 135 | 28 33 | 142 | 46 40 | 155 | 42 | 124 | 41 43 | 139 | 26 | 204 | 27 | 147 138 | 35 29 | 121 | 20 | 134 | 24 26 | 135 123 | 21 24 |
| Average | 120 | 30 | 130 | 33 | 123 | 33 | 109 | 40 | 151 | 42 | 150 | 43 | 139 | 20 | 220 | 29 | 136 | 29 | 137 | 23 | 145 | 20 | 123 | 24 |
| | | | | | | | | | | | AMM | ONIA (mg | /L) 1996 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | 710101 | JUN | , L) 1770 | JUL | | AUG | | SEP | | OCT | NOV | | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 28.0 | 27.3 | 21.6 | 20.7 | 28.8 | 26.0 | 24.8 | 26.2 | 25.5 | 27.6 | 26.2 | 26.5 | 26.3 | 25.7 | 26.0 | 26.9 | 24.5 | 24.3 | 24.0 | 23.9 | 28.1 | 27.7 | 31.8 | 30.6 |
| 2 | 26.0 | 25.5 | 30.4 | 30.3 | 26.0 | 24.3 | 27.0 | 26.5 | 25.9 | 24.2 | 27.9 | 27.5 | 26.3 | 26.0 | 26.7 | 27.1 | 25.4 | 25.2 | 28.0 | 27.7 | 29.6 | 30.3 | 28.5 | 27.6 |
| 3 | 26.4 | 29.2 | 28.6 | 30.2 | 27.3 | 26.5 | 27.8 | 28.2 | 26.9 | 27.2 | 27.3 | 27.1 | 26.7 | 27.5 | 26.5 | 25.5 | 27.0 | 26.1 | 25.5 | 26.2 | 24.4 | 25.9 | 28.9 | 28.5 |
| 4 | | | 25.8 | 24.1 | 28.3 | 27.6 | 28.5 | 30.3 | 26.9 | 27.8 | | | 25.8 | 27.9 | 23.8 | 24.2 | 24.9 | 24.3 | 23.3 | 24.5 | | | 28.9 | 27.6 |
| Average | 26.8 | 27.3 | 26.6 | 26.3 | 27.6 | 26.1 | 27.0 | 27.8 | 26.3 | 26.7 | 27.1 | 27.0 | 26.3 | 26.8 | 25.8 | 25.9 | 25.5 | 25.0 | 25.2 | 25.6 | 27.4 | 28.0 | 29.5 | 28.6 |
| - | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | AMM | ONIA (mg | (/L) 1997 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 29.3 | 28.2 | 29.9 | 29.7 | 30.5 | 29.1 | | | 28.5 | 28.3 | 28.5 | 27.1 | 27.9 | 27.4 | 26.0 | 24.5 | | | 22.6 | 20.8 | 24.4 | 24.0 | 24.7 | 24.3 |
| 2 | 30.2 | 29.0 | 27.5 | 26.6 | 30.3 | 30.2 | 31.5 | 30.3 | 30.0 | 31.1 | 27.1 | 26.0 | 26.6 | 29.2 | 30.9 | 27.0 | 23.5 | 20.9 | 23.3 | 22.8 | 24.4 | 24.7 | 25.3 | 25.3 |
| 3 | 28.0 | 27.6 | 27.8 | 26.3 | 28.8 | 29.4 | 30.5 | 29.7 | 26.7 | 27.1 | 31.5 | 30.3 | 23.6 | 22.9 | 23.5 | 24.8 | 22.8 | 22.9 | 24.5 | 22.0 | 24.8 | 23.8 | 24.7 | 26.2 |
| 1 4 | 10.0 | 10.1 | 20.4 | a a b | | a a a | 20 5 | 20.0 | 27.5 | 27.4 | | | 20 1 | a a b | ~ | | | | | | | | | |

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30.4

28.9

29.4

28.0

31.1

30.2

29.6

29.6

30.5

30.8

30.0

30.0

27.5

28.2

27.6

28.5

27.2

28.6

19.1

26.0

18.3

26.5

4

Average

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30.6

27.2

30.4

27.5

24.4

26.2

24.6

25.2

22.4

22.9

22.2

22.0

26.0

24.1

26.8

23.1

25.1

24.7

25.0

24.4

25.3

25.0

24.7

25.1

26.9

27.6

| | | | | | | | | | | | AMM | ONIA (mg | /L) 1998 | | | | | | | | | | | |
|---------------|--|----------------|----------------|----------------|-----------------|--------------|-----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|------------------|----------------|----------------|----------------|----------------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 2 | 25.4 23.5 | 25.6 22.7 | 20.5 19.7 | 20.8 21.5 | 24.3 25.4 | 25.9 24.6 | NA 24.1 | NA 24.1 | 28.2 26.0 | 27.0 25.4 | 28.3 27.5 | 28.1 27.2 | 25.9 27.5 | 25.4 27.9 | 26.9 22.9 | 25.3 20.2 | 21.3 22.6 | 22.6 21.3 | 18.7 23.0 | 19.1 21.1 | 28.1 23.3 | 29.2 24.4 | 27.3 27.4 | 27.4 25.7 |
| 3 | 22.5 | 22.1 | 17.5 | 17.5 | 23.4 | 24.0 | 24.1 | 24.1 | 20.0 | 27.5 | 27.5 | 27.2 | 26.2 | 27.9 | 27.2 | 20.2 | 22.0 | 23.8 | 26.7 | 26.6 | 26.6 | 24.4 | 27.4 | 25.8 |
| 4 | 25.6 | 25.2 | 17.0 | 1710 | 23.9 | 24.8 | 27.9 | 28.1 | 26.8 | 26.8 | 23.7 | 22.4 | 2012 | 2011 | 26.9 | 26.1 | 20.6 | 22.4 | 24.3 | 24.6 | 25.8 | 25.6 | 28.1 | 25.0 |
| Average | 24.3 | 23.9 | 19.2 | 19.9 | 24.2 | 25.4 | 19.7 | 19.8 | 27.2 | 26.7 | 26.9 | 26.5 | 26.5 | 26.5 | 26.0 | 24.7 | 22.1 | 22.5 | 23.2 | 22.9 | 26.0 | 25.9 | 27.2 | 26.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | AMM | ONIA (mg | /L) 1999 | | | | | | | 0.077 | | | | 550 |
| XX 7 1 | T C | JAN | T C | FEB | T C | MAR | | APR | ŦĊ | MAY | T C | JUN | T C | JUL | T (| AUG | T C | SEP | T C | OCT | T C | NOV | T C | DEC |
| Week 1 | Inf 25.4 | Eff 24.1 | Inf 25.0 | Eff 24.4 | Inf 27.5 | Eff 25.1 | Inf 24.5 | Eff 23.8 | Inf 26.3 | Eff 25.0 | Inf 30.5 | Eff 28.7 | Inf 31.5 | Eff 30.7 | Inf 26.7 | Eff 23.1 | Inf 15.1 | Eff 34.0 | Inf 27.1 | Eff 27.7 | Inf 28.5 | Eff 27.8 | Inf 31.4 | Eff 21.0 |
| 2 | 23.4 32.2 | 24.1 | 25.0 | 24.4 26.7 | 27.5 | 25.1 25.5 | 24.3 | 23.8 28.0 | 26.5 | 25.0 | 27.3 | 28.7 25.4 | 26.4 | 26.1 | 20.7 | 23.1 27.1 | 26.2 | 24.9 | 27.1 | 27.7 | 28.5 30.4 | 27.8 30.4 | 28.4 | 31.0 28.5 |
| 3 | 27.7 | 28.4 | 24.4 | 20.7 | 28.6 | 28.7 | 27.8 | 27.9 | 30.1 | 20.3 | 30.7 | 27.8 | 26.2 | 27.6 | 29.7 | 27.1 | 27.8 | 28.9 | 26.1 | 26.6 | 29.3 | 29.1 | 26.4 | 26.4 |
| 4 | | | 30.9 | 28.4 | 26.5 | 25.9 | 28.7 | 27.3 | | | 28.8 | 26.3 | 28.8 | 26.3 | 25.8 | 25.3 | 27.8 | 20.5 | 25.3 | 24.5 | | | 29.4 | 26.7 |
| Average | 28.4 | 26.6 | 26.9 | 24.9 | 26.7 | 26.3 | 27.3 | 26.8 | 27.6 | 26.4 | 29.3 | 27.1 | 28.2 | 27.7 | 27.5 | 25.9 | 24.2 | 27.1 | 26.7 | 26.6 | 29.4 | 29.1 | 28.9 | 28.2 |
| | | | | | | | | | | | | | 1 2000 | | | | | | | | | | | |
| | AMMONIA (mg/L) 2000 JAN FEB MAR APR MAY JUN JUL | | | | | | | | | | | | | | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 27.0 | 27.2 | 28.4 | 28.2 | 26.3 | 25.9 | 27.5 | 28.6 | 26.9 | 27.2 | 28.2 | 28.6 | 28.0 | 27.9 | 28.9 | 28.3 | 27.5 | 28.1 | 26.9 | 26.3 | 27.3 | 26.3 | 28.3 | 28.8 |
| 2 | 28.1 | 26.9 | 29.3 | 29.1 | 28.0 | 27.6 | 27.7 | 28.6 | 29.0 | 29.4 | 29.7 | 28.0 | 29.0 | 27.4 | 27.0 | 26.5 | 27.0 | 28.1 | 26.7 | 27.4 | 26.0 | 26.9 | 29.1 | 29.4 |
| 3 | 26.1 | 25.6 | 27.2 | 25.8 | 26.9 | 29.4 | 28.0 | 27.9 | 30.1 | 29.1 | 28.4 | 28.1 | 28.5 | 28.8 | 25.9 | 25.0 | 27.0 | 26.3 | 27.2 | 27.0 | 25.4 | 27.0 | 28.7 | 28.8 |
| 4 | 28.1 | 28.0 | 27.7 | 27.4 | 28.9 | 30.4 | | | 28.2 | 27.7 | 29.6 | 26.3 | 28.5 | 26.6 | 27.5 | 27.9 | | | 29.1 | 28.0 | 28.0 | 26.9 | 29.9 | 29.7 |
| Average | 27.3 | 26.9 | 28.2 | 27.6 | 27.5 | 28.3 | 27.3 | 28.4 | 28.6 | 28.4 | 29.0 | 27.8 | 28.5 | 27.7 | 27.3 | 26.9 | 24.2 | 27.5 | 27.5 | 27.2 | 26.7 | 26.8 | 29.0 | 29.2 |
| | AMMONIA (mg/L) 2001 | | | | | | | | | | | | | | | | | | | | | | | |
| | JAN FEB MAR APR MAY JUN JUL | | | | | | | | | | | | | | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 30.2 | 28.8 | 29.9 | 32.5 | 26.6 | 26.0 | 30.3 | 28.7 | 29.1 | 29.1 | 28.8 | 28.0 | 29.4 | 25.2 | 30.5 | 29.7 | 28.2 | 27.9 | 29.8 | 29.1 | 28.1 | 26.9 | 28.3 | 27.7 |
| 2 | 24.4 | 23.0 | 24.2 | 24.4 | 23.5 | 24.4 | 27.6 | 27.9 | 29.9 | 29.4 | 29.8 | 29.4 | 30.0 | 29.7 | 28.6 | 29.1 | 28.4 | 27.6 | 28.6 | 28.6 | 28.4 | 27.4 | 26.3 | 26.9 |
| 3 | 27.7 | 27.2 | 27.0 | 26.7 | 26.9 | 26.6 | 30.1 | 30.0 | 29.2 | 29.7 | 29.1 | 28.6 | 29.4 | 28.3 | 28.4 | 28.1 | 30.0 | 29.4 | 27.7 | 27.6 | 28.9 | 31.2 | 29.7 | 28.3 |
| 4 | 28.5 27.7 | 26.9 26.5 | 27.0 | 27.9 | 27.2 | 27.2 | 31.4 29.9 | 31.5 29.5 | 27.5 | 27.4 28.9 | 28.3 | 28.0 | 29.6 | 27.7 | 27.9 28.9 | 25.8 | 28.8 28.9 | 28.3 | 29.3 28.9 | 28.1 28.4 | 30.5 29.0 | 29.7 28.8 | 27.6 28.0 | 26.9 27.4 |
| Average | 21.1 | 20.5 | 27.0 | 27.9 | 20.1 | 20.1 | 29.9 | 29.5 | 20.9 | 20.9 | 29.0 | 28.5 | 29.0 | 21.1 | 28.9 | 20.2 | 20.9 | 28.3 | 20.9 | 20.4 | 29.0 | 20.0 | 28.0 | 27.4 |
| | | | | | | | | | | | CYAN | NIDE (mg/ | L) 1996 | | | | | | | | | | | |
| | JAN FEB MAR APR MAY JUN JUL | | | | | | | | | | | | | | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 0.005 | 0.003 | 0.003 | 0.004 | 0.002 | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.002 | 0.008 | < 0.002 | | 0.002 | 0.002 | 0.003 | 0.003 | < 0.002 | 0.012 | 0.002 | 0.003 | 0.002 | 0.012 |
| 2 3 | 0.002 0.003 | 0.002 0.004 | 0.003 0.003 | 0.003 0.002 | 0.007 <0.002 | 0.007 | 0.002 <0.002 | 0.003 0.002 | 0.002 0.003 | 0.003 0.003 | 0.002 0.002 | $0.006 \\ 0.009$ | 0.003 0.005 | 0.005 0.002 | <0.002 0.002 | 0.003 0.003 | 0.003 0.002 | 0.003 0.004 | <0.002 0.003 | <0.002 <0.002 | 0.003 0.002 | 0.013 0.019 | 0.002 0.003 | 0.003 0.016 |
| 4 | 0.005 | 0.004 | 0.003 | 0.002 | 0.002 | 0.005 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 | 0.009 | 0.003 | 0.002 | 0.002 | 0.003 | < 0.002 | 0.004 | 0.003 | 0.002 | 0.002 | 0.019 | < 0.003 | 0.002 |
| Average | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.005 | 0.002 | 0.008 | 0.003 | 0.004 | 0.002 | 0.003 | 0.002 | 0.004 | 0.002 | 0.004 | 0.002 | 0.012 | 0.002 | 0.008 |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | FFD | | 1410 | | | | 14.17 | CYAN | NIDE (mg/ | L) 1997 | | | | | GED | | 0.07 | | NOV | | DEC |
| Week | Inf | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | Inf | JUN Eff | Inf | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week 1 | Inf 0.002 | 0.002 | Inf 0.003 | 0.006 | Inf 0.003 | 0.005 | Inf 0.002 | <0.002 | Inf 0.004 | 0.090 | Inf 0.004 | 0.005 | Inf 0.002 | 0.006 | Inf 0.003 | 0.002 | Inf 0.006 | 0.015 | Inf 0.003 | 0.008 | Inf 0.003 | 0.007 | Inf 0.008 | 0.005 |
| 2 | < 0.002 | | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | < 0.004 | | 0.004 | 0.005 | 0.002 | 0.000 | 0.003 | 0.002 | 0.000 | 0.013 | 0.003 | 0.008 | 0.003 | 0.007 | 0.008 | 0.003 |
| 3 | 0.002 | 0.003 | 0.003 | 0.005 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 | 0.003 | 0.005 | 0.015 | 0.003 | 0.004 | 0.003 | 0.005 | 0.003 | 0.002 | 0.004 | 0.013 | 0.002 | 0.007 | 0.008 | 0.007 |
| 4 | 0.002 | 0.003 | 0.003 | 0.005 | 0.004 | 0.005 | | | 0.003 | 0.005 | 0.003 | 0.006 | 0.004 | 0.008 | 0.004 | 0.008 | | | 0.005 | 0.008 | 0.007 | 0.007 | 0.005 | 0.005 |
| Average | | 0.004 | 0.003 | 0.005 | 0.003 | 0.004 | 0.003 | 0.002 | 0.003 | 0.025 | 0.004 | 0.008 | 0.003 | 0.013 | 0.003 | 0.004 | 0.004 | 0.007 | 0.004 | 0.012 | 0.005 | 0.007 | 0.006 | 0.005 |
| | | | | | | | | | | | CN 13 | | (L) 1002 | | | | | | | | | | | |
| | | IAN | | EED | | МАР | | ΛΡΡ | | MAV | CYAI | NIDE (mg/ JUN | L) 1998 | пп | | AUG | | SED | | OCT | | NOV | | DEC |
| Week | Inf | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | Inf | MAY Eff | Inf | JUN Eff | Inf | JUL Eff | Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | Eff | Inf | Eff |
| ook | •111 | -41 | | Lii | | Lii | | | | | | | | | | | | 241 | | | | 241 | | |
| I:\RE | PORTS\P | T_LOMA\Anr | nuals\Annu | al2001\Annu | al2001.wpc | t | | | | Sectio | n 2. Influ | uent and | ⊨muen | i Data | page 11 | 19 | | | | | | | | |

| 1 | 0.003 | 0.004 | 0.002 | < 0.002 | 0.003 | 0.004 | 0.008 | 0.009 | 0.004 | 0.004 | 0.004 | 0.012 | 0.003 | 0.007 | 0.007 | 0.008 | 0.003 | 0.003 | 0.004 | 0.010 | 0.004 | 0.004 | 0.004 | 0.004 |
|--|---|---|--|--|--|---|--|--|---|--|--|---|--|--|---|---|--|---|---|---|---|---|---|---|
| 2 | 0.003 | 0.005 | 0.003 | 0.003 | 0.004 | 0.004 | 0.002 | 0.003 | 0.005 | 0.005 | 0.004 | 0.007 | 0.004 | 0.004 | 0.009 | 0.006 | 0.003 | 0.002 | 0.004 | 0.003 | 0.009 | 0.006 | 0.005 | 0.005 |
| 3 | 0.005 | 0.003 | 0.002 | 0.003 | 0.007 | 0.013 | 0.002 | < 0.002 | 0.004 | 0.005 | 0.004 | 0.003 | 0.004 | 0.004 | 0.004 | 0.009 | 0.026 | 0.018 | 0.010 | 0.008 | 0.004 | 0.003 | 0.005 | 0.005 |
| 4 | 0.004 | 0.004 | | | 0.008 | 0.009 | 0.003 | 0.002 | 0.005 | 0.008 | 0.006 | 0.004 | | | 0.005 | 0.004 | 0.006 | 0.009 | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 | 0.006 |
| Average | 0.004 | 0.004 | 0.002 | 0.002 | 0.006 | 0.007 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.006 | 0.004 | 0.005 | 0.006 | 0.007 | 0.010 | 0.008 | 0.006 | 0.006 | 0.005 | 0.004 | 0.005 | 0.005 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | CYAN | NIDE (mg/ | L) 1999 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 0.004 | 0.009 | 0.004 | 0.006 | 0.005 | 0.005 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 | 0.007 | 0.004 | 0.004 | < 0.002 | < 0.002 | 0.013 | 0.014 | 0.003 | 0.010 | 0.003 | 0.004 |
| 2 | 0.003 | 0.007 | 0.005 | 0.007 | 0.008 | 0.011 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.003 | < 0.002 | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.006 | 0.005 | 0.004 |
| 3 | 0.003 | 0.007 | 0.004 | 0.005 | 0.002 | 0.003 | 0.003 | 0.005 | 0.003 | 0.004 | 0.006 | 0.007 | 0.004 | 0.004 | < 0.002 | 0.005 | 0.004 | 0.001 | 0.004 | 0.004 | 0.003 | 0.005 | 0.006 | 0.007 |
| 4 | | | 0.005 | 0.007 | 0.003 | 0.002 | 0.007 | 0.005 | | | 0.019 | 0.017 | 0.005 | 0.003 | < 0.002 | < 0.002 | 0.008 | 0.006 | 0.003 | 0.003 | | | 0.004 | 0.003 |
| Average | 0.003 | 0.008 | 0.005 | 0.006 | 0.005 | 0.005 | 0.004 | 0.004 | 0.003 | 0.003 | 0.008 | 0.008 | 0.004 | 0.003 | 0.002 | 0.003 | 0.004 | 0.003 | 0.006 | 0.006 | 0.003 | 0.007 | 0.005 | 0.005 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | NIDE (mg/ | · · | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | , | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | JUN Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | Inf 0.006 | Eff 0.005 | 0.004 | Eff 0.003 | 0.005 | Eff 0.005 | 0.005 | Eff 0.004 | Inf 0.004 | Eff 0.004 | Inf 0.004 | JUN Eff 0.004 | Inf 0.005 | Eff 0.006 | Inf 0.004 | Eff 0.004 | Inf 0.004 | Eff 0.003 | 0.013 | Eff 0.014 | 0.004 | Eff 0.003 | Inf 0.002 | Eff 0.003 |
| 1 2 | Inf 0.006 0.004 | Eff 0.005 0.004 | 0.004 0.007 | Eff 0.003 0.006 | 0.005 0.004 | Eff 0.005 0.003 | 0.005 0.004 | Eff 0.004 0.003 | Inf 0.004 0.005 | Eff 0.004 0.004 | Inf 0.004 0.004 | JUN Eff 0.004 0.004 | Inf 0.005 0.002 | Eff 0.006 0.003 | Inf 0.004 0.003 | Eff 0.004 0.003 | Inf 0.004 0.005 | Eff 0.003 0.003 | 0.013 0.005 | Eff 0.014 0.004 | 0.004 0.004 | Eff 0.003 0.004 | Inf 0.002 0.003 | Eff 0.003 0.003 |
| 1 | Inf 0.006 0.004 0.003 | Eff 0.005 0.004 0.003 | 0.004 0.007 0.003 | Eff 0.003 0.006 0.013 | 0.005 0.004 0.005 | Eff 0.005 0.003 0.004 | 0.005 | Eff 0.004 | Inf 0.004 0.005 0.003 | Eff 0.004 0.004 0.005 | Inf 0.004 0.004 0.003 | JUN Eff 0.004 0.004 0.006 | Inf 0.005 0.002 0.003 | Eff 0.006 0.003 0.003 | Inf 0.004 0.003 0.004 | Eff 0.004 0.003 0.003 | Inf 0.004 | Eff 0.003 | 0.013 0.005 0.004 | Eff 0.014 0.004 0.004 | 0.004 0.004 0.004 | Eff 0.003 0.004 0.003 | Inf 0.002 0.003 0.007 | Eff 0.003 0.003 0.006 |
| 1 2 3 4 | Inf 0.006 0.004 0.003 0.004 | Eff 0.005 0.004 0.003 0.003 | 0.004 0.007 0.003 0.004 | Eff 0.003 0.006 0.013 0.003 | 0.005 0.004 0.005 0.005 | Eff 0.005 0.003 0.004 0.005 | 0.005 0.004 0.004 | Eff 0.004 0.003 0.003 | Inf 0.004 0.005 0.003 0.003 | Eff 0.004 0.004 0.005 0.002 | Inf 0.004 0.004 0.003 0.004 | JUN Eff 0.004 0.004 0.006 0.006 | Inf 0.005 0.002 0.003 0.039 | Eff 0.006 0.003 0.003 0.003 | Inf 0.004 0.003 0.004 0.002 | Eff 0.004 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 | Eff 0.003 0.003 0.003 | 0.013 0.005 0.004 0.003 | Eff 0.014 0.004 0.004 0.003 | 0.004 0.004 0.004 0.003 | Eff 0.003 0.004 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 | Eff 0.003 0.003 0.006 0.003 |
| 1 2 | Inf 0.006 0.004 0.003 | Eff 0.005 0.004 0.003 | 0.004 0.007 0.003 | Eff 0.003 0.006 0.013 | 0.005 0.004 0.005 | Eff 0.005 0.003 0.004 | 0.005 0.004 | Eff 0.004 0.003 | Inf 0.004 0.005 0.003 | Eff 0.004 0.004 0.005 | Inf 0.004 0.004 0.003 | JUN Eff 0.004 0.004 0.006 | Inf 0.005 0.002 0.003 | Eff 0.006 0.003 0.003 | Inf 0.004 0.003 0.004 | Eff 0.004 0.003 0.003 | Inf 0.004 0.005 | Eff 0.003 0.003 | 0.013 0.005 0.004 | Eff 0.014 0.004 0.004 | 0.004 0.004 0.004 | Eff 0.003 0.004 0.003 | Inf 0.002 0.003 0.007 | Eff 0.003 0.003 0.006 |
| 1 2 3 4 | Inf 0.006 0.004 0.003 0.004 | Eff 0.005 0.004 0.003 0.003 | 0.004 0.007 0.003 0.004 | Eff 0.003 0.006 0.013 0.003 | 0.005 0.004 0.005 0.005 | Eff 0.005 0.003 0.004 0.005 | 0.005 0.004 0.004 | Eff 0.004 0.003 0.003 | Inf 0.004 0.005 0.003 0.003 | Eff 0.004 0.004 0.005 0.002 | Inf 0.004 0.004 0.003 0.004 0.004 | JUN Eff 0.004 0.004 0.006 0.006 0.005 | Inf 0.005 0.002 0.003 0.039 0.012 | Eff 0.006 0.003 0.003 0.003 | Inf 0.004 0.003 0.004 0.002 | Eff 0.004 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 | Eff 0.003 0.003 0.003 | 0.013 0.005 0.004 0.003 | Eff 0.014 0.004 0.004 0.003 | 0.004 0.004 0.004 0.003 | Eff 0.003 0.004 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 | Eff 0.003 0.003 0.006 0.003 |
| 1 2 3 4 | Inf 0.006 0.004 0.003 0.004 0.004 | Eff 0.005 0.004 0.003 0.003 0.004 | 0.004 0.007 0.003 0.004 | Eff 0.003 0.006 0.013 0.003 0.006 | 0.005 0.004 0.005 0.005 | Eff 0.005 0.003 0.004 0.005 0.004 | 0.005 0.004 0.004 | Eff 0.004 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 0.003 | Eff 0.004 0.004 0.005 0.002 0.004 | Inf 0.004 0.004 0.003 0.004 0.004 CYAN | JUN Eff 0.004 0.004 0.006 0.006 0.005 | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 | Eff 0.006 0.003 0.003 0.003 0.004 | Inf 0.004 0.003 0.004 0.002 0.003 | Eff 0.004 0.003 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 | Eff 0.003 0.003 0.003 0.003 | 0.013 0.005 0.004 0.003 | Eff 0.014 0.004 0.004 0.003 0.006 | 0.004 0.004 0.004 0.003 | Eff 0.003 0.004 0.003 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 |
| 1 2 3 4 Average | Inf 0.006 0.004 0.003 0.004 0.004 | Eff 0.005 0.004 0.003 0.003 0.004 | 0.004 0.007 0.003 0.004 0.005 | Eff 0.003 0.006 0.013 0.003 0.006 FEB | 0.005 0.004 0.005 0.005 0.005 | Eff 0.005 0.003 0.004 0.005 0.004 MAR | 0.005 0.004 0.004 0.004 | Eff 0.004 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 0.003 0.004 | Eff 0.004 0.004 0.005 0.002 0.004 MAY | Inf 0.004 0.004 0.003 0.004 0.004 CYAN | JUN <u>Eff</u> 0.004 0.006 0.006 0.005 NIDE (mg/ JUN | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 | Eff 0.006 0.003 0.003 0.003 0.004 | Inf 0.004 0.003 0.004 0.002 0.003 | Eff 0.004 0.003 0.003 0.003 0.003 | Inf 0.004 0.005 0.003 0.004 | Eff 0.003 0.003 0.003 0.003 SEP | 0.013 0.005 0.004 0.003 0.006 | Eff 0.014 0.004 0.004 0.003 0.006 OCT | 0.004 0.004 0.004 0.003 0.004 | Eff 0.003 0.004 0.003 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 |
| 1 2 3 4 | Inf 0.006 0.004 0.003 0.004 0.004 | Eff 0.005 0.004 0.003 0.003 0.004 JAN Eff | 0.004 0.007 0.003 0.004 0.005 | Eff 0.003 0.006 0.013 0.003 0.006 FEB | 0.005 0.004 0.005 0.005 0.005 | Eff 0.005 0.003 0.004 0.005 0.004 MAR Eff | 0.005 0.004 0.004 0.004 | Eff 0.004 0.003 0.003 0.003 APR Eff | Inf 0.004 0.005 0.003 0.003 0.004 | Eff 0.004 0.004 0.005 0.002 0.004 MAY Eff | Inf 0.004 0.003 0.004 0.004 CYAN Inf | JUN Eff 0.004 0.006 0.006 0.006 0.005 NIDE (mg/ JUN Eff | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 Inf | Eff 0.006 0.003 0.003 0.004 JUL Eff | Inf 0.004 0.003 0.004 0.002 0.003 | Eff 0.004 0.003 0.003 0.003 0.003 AUG Eff | Inf 0.004 0.005 0.003 0.004 | Eff 0.003 0.003 0.003 0.003 SEP Eff | 0.013 0.005 0.004 0.003 0.006 | Eff 0.014 0.004 0.003 0.006 OCT Eff | 0.004 0.004 0.004 0.003 0.004 | Eff 0.003 0.004 0.003 0.003 0.003 NOV Eff | Inf 0.002 0.003 0.007 0.003 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 DEC Eff |
| 1 2 3 4 Average Week 1 | Inf 0.006 0.004 0.003 0.004 0.004 Inf 0.005 | Eff 0.005 0.004 0.003 0.003 0.004 JAN Eff 0.005 | 0.004 0.007 0.003 0.004 0.005 | Eff 0.003 0.006 0.013 0.003 0.006 FEB Eff 0.006 | 0.005 0.004 0.005 0.005 0.005 Inf 0.006 | Eff 0.005 0.003 0.004 0.005 MAR Eff 0.005 | 0.005 0.004 0.004 0.004 Inf 0.003 | Eff 0.004 0.003 0.003 0.003 APR Eff 0.004 | Inf 0.004 0.005 0.003 0.003 0.004 Inf 0.002 | Eff 0.004 0.005 0.002 0.004 MAY Eff 0.003 | Inf 0.004 0.004 0.003 0.004 0.004 CYAN Inf 0.003 | JUN Eff 0.004 0.006 0.006 0.006 0.005 VIDE (mg/ JUN Eff 0.003 | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 Inf 0.003 | Eff 0.006 0.003 0.003 0.004 0.004 JUL Eff 0.003 | Inf 0.004 0.003 0.004 0.002 0.003 Inf 0.003 | Eff 0.004 0.003 0.003 0.003 0.003 AUG Eff 0.002 | Inf 0.004 0.005 0.003 0.004 Inf 0.003 | Eff 0.003 0.003 0.003 0.003 SEP Eff <0.002 | 0.013 0.005 0.004 0.003 0.006 Inf 0.002 | Eff 0.014 0.004 0.003 0.006 OCT Eff < 0.002 | 0.004 0.004 0.003 0.004 Inf 0.003 | Eff 0.003 0.004 0.003 0.003 0.003 NOV Eff 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 Inf 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 DEC Eff 0.003 |
| 1 2 3 4 Average | Inf 0.006 0.004 0.003 0.004 0.004 Inf 0.005 0.004 | Eff 0.005 0.004 0.003 0.003 0.004 JAN Eff 0.005 0.004 | 0.004 0.007 0.003 0.004 0.005 Inf 0.006 0.004 | Eff 0.003 0.006 0.013 0.003 0.006 FEB Eff 0.006 0.003 | 0.005 0.004 0.005 0.005 0.005 Inf 0.006 0.003 | Eff 0.005 0.003 0.004 0.005 0.004 MAR Eff 0.005 0.004 | 0.005 0.004 0.004 0.004 <u>Inf</u> 0.003 0.004 | Eff 0.004 0.003 0.003 0.003 APR Eff 0.004 0.004 | Inf 0.004 0.005 0.003 0.003 0.004 Inf 0.002 0.002 | Eff 0.004 0.005 0.002 0.004 MAY Eff 0.003 0.003 | Inf 0.004 0.003 0.004 0.004 0.004 CYAN Inf 0.003 0.003 | JUN Eff 0.004 0.006 0.006 0.005 VIDE (mg/ JUN Eff 0.003 0.003 | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 Inf 0.003 0.003 | Eff 0.006 0.003 0.003 0.004 0.004 JUL Eff 0.003 0.003 | Inf 0.004 0.003 0.004 0.002 0.003 Inf 0.003 0.005 | Eff 0.004 0.003 0.003 0.003 0.003 AUG Eff 0.002 0.005 | Inf 0.004 0.005 0.003 0.004 Inf 0.003 0.003 | Eff 0.003 0.003 0.003 0.003 SEP Eff <0.002 0.003 | 0.013 0.005 0.004 0.003 0.006 Inf 0.002 <0.002 | Eff 0.014 0.004 0.003 0.006 0CT Eff < 0.002 <0.002 | 0.004 0.004 0.003 0.003 0.004 Inf 0.003 0.003 | Eff 0.003 0.004 0.003 0.003 0.003 NOV Eff 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 Inf 0.004 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 DEC Eff 0.003 0.003 |
| 1 2 3 4 Average Week 1 | Inf 0.006 0.004 0.003 0.004 0.004 0.004 Inf 0.005 0.004 0.003 | Eff 0.005 0.004 0.003 0.003 0.004 JAN Eff 0.005 0.004 0.003 | 0.004 0.007 0.003 0.004 0.005 | Eff 0.003 0.006 0.013 0.003 0.006 FEB Eff 0.006 | 0.005 0.004 0.005 0.005 0.005 0.005 Inf 0.006 0.003 0.004 | Eff 0.005 0.003 0.004 0.005 0.004 MAR Eff 0.005 0.004 0.004 | 0.005 0.004 0.004 0.004 Inf 0.003 0.004 0.002 | Eff 0.004 0.003 0.003 0.003 APR Eff 0.004 0.004 0.003 | Inf 0.004 0.005 0.003 0.003 0.004 Inf 0.002 0.002 0.002 0.007 | Eff 0.004 0.005 0.002 0.004 MAY Eff 0.003 0.003 0.009 | Inf 0.004 0.003 0.004 0.004 0.004 CYAN Inf 0.003 0.003 0.003 | JUN Eff 0.004 0.006 0.006 0.006 0.005 NIDE (mg/ JUN Eff 0.003 0.003 0.003 | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 Inf 0.003 | Eff 0.006 0.003 0.003 0.004 0.004 JUL Eff 0.003 | Inf 0.004 0.003 0.004 0.002 0.003 0.003 0.003 0.005 <0.002 | Eff 0.004 0.003 0.003 0.003 0.003 0.003 AUG Eff 0.002 0.005 <0.002 | Inf 0.004 0.005 0.003 0.004 Inf 0.003 0.003 <0.002 | Eff 0.003 0.003 0.003 0.003 SEP Eff <0.002 0.003 0.002 | 0.013 0.005 0.004 0.003 0.006 <u>Inf</u> 0.002 <0.002 0.003 | Eff 0.014 0.004 0.003 0.006 0.006 Eff < 0.002 <0.002 0.003 | 0.004 0.004 0.003 0.004 0.003 0.004 <u>Inf</u> 0.003 0.003 0.003 | Eff 0.003 0.004 0.003 0.003 0.003 NOV Eff 0.003 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 Inf 0.004 0.004 <0.002 | Eff 0.003 0.006 0.003 0.005 DEC Eff 0.003 0.003 <0.002 |
| 1 2 3 4 Average | Inf 0.006 0.004 0.003 0.004 0.004 Inf 0.005 0.004 | Eff 0.005 0.004 0.003 0.003 0.004 JAN Eff 0.005 0.004 | 0.004 0.007 0.003 0.004 0.005 Inf 0.006 0.004 | Eff 0.003 0.006 0.013 0.003 0.006 FEB Eff 0.006 0.003 | 0.005 0.004 0.005 0.005 0.005 Inf 0.006 0.003 | Eff 0.005 0.003 0.004 0.005 0.004 MAR Eff 0.005 0.004 | 0.005 0.004 0.004 0.004 <u>Inf</u> 0.003 0.004 | Eff 0.004 0.003 0.003 0.003 APR Eff 0.004 0.004 | Inf 0.004 0.005 0.003 0.003 0.004 Inf 0.002 0.002 | Eff 0.004 0.005 0.002 0.004 MAY Eff 0.003 0.003 | Inf 0.004 0.003 0.004 0.004 0.004 CYAN Inf 0.003 0.003 | JUN Eff 0.004 0.006 0.006 0.005 VIDE (mg/ JUN Eff 0.003 0.003 | Inf 0.005 0.002 0.003 0.039 0.012 L) 2001 Inf 0.003 0.003 | Eff 0.006 0.003 0.003 0.004 0.004 JUL Eff 0.003 0.003 | Inf 0.004 0.003 0.004 0.002 0.003 Inf 0.003 0.005 | Eff 0.004 0.003 0.003 0.003 0.003 AUG Eff 0.002 0.005 | Inf 0.004 0.005 0.003 0.004 Inf 0.003 0.003 | Eff 0.003 0.003 0.003 0.003 SEP Eff <0.002 0.003 | 0.013 0.005 0.004 0.003 0.006 Inf 0.002 <0.002 | Eff 0.014 0.004 0.003 0.006 0CT Eff < 0.002 <0.002 | 0.004 0.004 0.003 0.003 0.004 Inf 0.003 0.003 | Eff 0.003 0.004 0.003 0.003 0.003 NOV Eff 0.003 0.003 | Inf 0.002 0.003 0.007 0.003 0.004 Inf 0.004 0.004 | Eff 0.003 0.003 0.006 0.003 0.005 DEC Eff 0.003 0.003 |

| | | | | | | | | | | EFFLUE | NT RADIA | ATION (p | Ci/L) 1996 | 5 | | | | | | | | | | |
|---------|--------|------|--------|------|--------|------|--------|------|--------|---------|----------|----------|------------|----------|--------|------|--------|------|--------|------|--------|------|--------|------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | 0.6 | 23.9 | 0.3 | 20.3 | | | | | | | 1.6 | 32.8 | | | | | 1.1 | 27.8 | 0.8 | 26.3 | | | | |
| 2 | | | | | 1.9 | 26.7 | 0.4 | 29.2 | | | | | 0.6 | 35.7 | 1.1 | 20.7 | 1.5 | 28.8 | | | 1.7 | 33.1 | 0.6 | 33.7 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | 1.5 | 37.6 | | | | | | | | | | | | | | |
| Average | 0.6 | 23.9 | 0.3 | 20.3 | 1.9 | 26.7 | 0.4 | 29.2 | 1.5 | 37.6 | 1.6 | 32.8 | 0.6 | 35.7 | 1.1 | 20.7 | 1.3 | 28.3 | 0.8 | 26.3 | 1.7 | 33.1 | 0.6 | 33.7 |
| | | | | | | | | | | EFFLUE | NT RADIA | ATION (p | Ci/L) 1997 | 7 | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2.2 | 23.8 | 0.9 | 25.4 | 1.3 | 28.9 | 1.2 | 28.2 | 0.2 | 31.2 | 0.9 | 23.9 | 2.6 | 32.1 | 0.7 | 33.9 | 2.9 | 33.2 | 6.7 | 25.3 | 2.2 | 27.9 | 2.9 | 30.0 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 2.2 | 23.8 | 0.9 | 25.4 | 1.3 | 28.9 | 1.2 | 28.2 | 0.2 | 31.2 | 0.9 | 23.9 | 2.6 | 32.1 | 0.7 | 33.9 | 2.9 | 33.2 | 6.7 | 25.3 | 2.2 | 27.9 | 2.9 | 30.0 |
| | | | | | | | | | | EFFLUE | | TION (p | C;/L) 1009 | 2 | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | , JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | uipiiu | octu | uipiiu | beta | uipiiu | betu | uipiiu | botu | uipiiu | betu | uipiiu | oeta | uipiiu | beta | uipiiu | oeta | uipiiu | beta | uipiiu | oeta | uipiiu | betu | uipiiu | ootu |
| 2 | 2.3 | 33.1 | 1.4 | 23.4 | 1.5 | 21.5 | 2.8 | 19.2 | 3.3 | 48.0 | 4.8 | 28.6 | 2.8 | 32.5 | 3.8 | 21.0 | 0.3 | 33.7 | 1.5 | 16.7 | 1.4 | 26.0 | 1.4 | 27.0 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 2.3 | 33.1 | 1.4 | 23.4 | 1.5 | 21.5 | 2.8 | 19.2 | 3.3 | 48.0 | 4.8 | 28.6 | 2.8 | 32.5 | 3.8 | 21.0 | 0.3 | 33.7 | 1.5 | 16.7 | 1.4 | 26.0 | 1.4 | 27.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | EFFLUEN | | | | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | | | 1.4 | 26.1 | 2.8 | 18.7 | 4.2 | 28.9 | | | 1.7 | 29.2 | 0.7 | 21.7 | 0.7 | 21.7 | | | 2.0 | 43.4 | | | 4.3 | 31.8 |
| 2 | 1.5 | 30.1 | | | | | | | -0.2 | 41.5 | | | | | | | 0.3 | 36.7 | | | 1.0 | 34.0 | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 1.5 | 30.1 | 1.4 | 26.1 | 2.8 | 18.7 | 4.2 | 28.9 | -0.2 | 41.5 | 1.7 | 29.2 | 0.7 | 21.7 | 0.7 | 21.7 | 0.3 | 36.7 | 2.0 | 43.4 | 1.0 | 34.0 | 4.3 | 31.8 |
| | | | | | | | | | | EFFLUE | NT RADIA | ATION (p | Ci/L) 2000 |) | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | 3.1 | 29.6 | 1 | | 2.5 | 32.9 | 1 | | 2.8 | 36.4 | 1.8 | 28.1 | 3.3 | 33.7 | 1 | | 1.3 | 36.2 | 1 | | 0.7 | 25.2 | 1.7 | 29.2 |
| 2 | | | 1.9 | 35.8 | | | 2.0 | 30.4 | | | | | | | 2.5 | 34.6 | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | 1.8 | 31.9 | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 3.1 | 29.6 | 1.9 | 35.8 | 2.5 | 32.9 | 2.0 | 30.4 | 2.8 | 36.4 | 1.8 | 28.1 | 3.3 | 33.7 | 2.5 | 34.6 | 1.3 | 36.2 | 1.8 | 31.9 | 0.7 | 25.2 | 1.7 | 29.2 |
| | | | | | | | | | | EFFLUE | | TION (p) | Ci/L) 1994 | 5 | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | , JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | alpha | beta | alpha | ьeta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta | alpha | beta |
| 1 | 0.3 | 28.0 | 2.1 | 37.0 | 2.6 | 30.7 | 1.6 | 26.3 | aipiia | ocid | 0.8 | 31.2 | aipiia | octa | 0.6 | 31.1 | 1.0 | 37.4 | aipiia | octa | 1.4 | 29.9 | 2.9 | 29.2 |
| 2 | 0.5 | 20.0 | 2.1 | 57.0 | 2.0 | 50.7 | 1.0 | 20.5 | 1.7 | 37.2 | 0.0 | 51.2 | 0.9 | 33.4 | 0.0 | 51.1 | 1.0 | 57.4 | 1.8 | 35.3 | 1.4 | 27.7 | 2.7 | 27.2 |
| 3 | | | | | | | | | | 02 | | | 0.7 | | | | | | 1.0 | 00.0 | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 0.3 | 28.0 | 2.1 | 37.0 | 2.6 | 30.7 | 1.6 | 26.3 | 1.7 | 37.2 | 0.8 | 31.2 | 0.9 | 33.4 | 0.6 | 31.1 | 1.0 | 37.4 | 1.8 | 35.3 | 1.4 | 29.9 | 2.9 | 29.2 |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 23 | nd | nd nd | nd nd | nd | nd nd | nd nd | nd nd | nd | nd | nd nd | nd | nd | nd | nd | nd | nd |
| 4 | nd | nd | nd nd | nd | na | nd | nd | nd | nd | nd nd | nd nd | nd | nd nd | nd nd | nd | nd | nd nd | nd nd |
| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| riverage | nu | | | | | | nu |
| | | JAN | | FEB | | MAR | | APR | | ALL MAY | |) DIELDI JUN | RIN (ng/L) |) 1997 JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 2 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 3 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 4 | nd | nd | nd | nd | nd | nd | | | nd | nd | nd | nd | nd | nd | nd | nd | | | nd | nd | nd | nd | nd | nd |
| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | | | | | | | | | | ALE | RIN ANI | D DIELDI | RIN (ng/L) |) 1998 | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
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| West | Inf | JAN | Inf | FEB | T., f | MAR | Laf | APR | Laf | MAY | Teef | JUN | | JUL | Inf | AUG | Inf | SEP | Inf | OCT | Teef | NOV | Inf | DEC |
| Week 1 | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd | Inf nd | Eff nd |
| 2 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 3 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 4 | | | nd | nd | nd | nd | nd | nd | | | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | | | nd | nd |
| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | | | | | | | | | | | | | RIN (ng/L) |) 2000 | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 2 3 | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd | nd nd |
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| | | | | | | | | | | | | | RIN (ng/L) | | | | | | | | | | | |
| | • | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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| | | | | | | | | | | | END | RIN (ng/I | L) 1996 | | | | | | | | | | | |
|--|---|---|---|---|---|--|--|---|---|---|--|--|--|---|---|---|---|--|---|--|---|---|---|---|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | , | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| | | JAN | | FEB | | MAR | | APR | | MAY | END | RIN (ng/I JUN | .) 1998 | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| | | | | | | | | | | | END | RIN (ng/I | .) 1999 | | | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| 1 2 3 4 Average U 1 2 3 4 Average Week U | nd nd nd Inf nd nd nd nd Inf Inf | Eff nd nd nd JAN Eff nd nd nd nd nd nd SAN Eff nd | nd nd nd nd nd nd nd nd nd nd nd | Eff nd nd nd fEB Eff nd nd nd nd nd nd state fEB Eff fff | nd nd nd nd nd nd nd nd nd nd | Eff nd nd nd MAR Eff nd nd nd nd MAR Eff nd | nd nd nd nd nd nd nd nd nd nd Inf nd | Eff nd nd nd nd APR Eff nd nd nd nd nd Nd REff Eff nd | nd nd nd Inf nd nd nd nd Inf nd | Eff nd nd nd MAY Eff nd nd nd nd nd MAY Eff nd | Inf nd nd nd END Inf nd nd nd nd nd END Inf Inf nd | JUN Eff nd nd nd nd RIN (ng/I JUN Eff nd nd nd nd RIN (ng/I JUN Eff JUN Eff nd | Inf nd nd nd nd .) 2000 Inf nd nd nd nd nd .) 2001 Inf nd nd nd nd nd nd nd .) 2000 Inf nd nd nd nd .) 2000 Inf nd nd nd nd .) 2000 Inf nd nd nd .) 2000 Inf nd nd .) 2000 Inf nd .) 2000 Inf nd .) 2000 Inf nd .) 2000 Inf nd .) 2000 Inf nd .) 2000 Inf .) 2000 Inf .) 2000 Inf .) 2000 Inf .) 2000 .) 2000 .) 2000 .) 2000 .) 2000 .) 2000 .) 100 .) 2000 .) 2000 .) 2000 .) 100 .) 2000 .) 2000 .) 2000 .) 2000 .) 2000 .) 100 .) 2000 .) 2000 .) 2000 .) 2000 .) 2000 .) 100 .) 2000 .) 2000 .) 2000 .) 2000 .) 100 .) 2000 .) 2000 .) 2000 .) 2000 .) 2001 .) 2000 .) 2001 .) 2000 .) 2001 .) 2001 | Eff nd nd nd JUL Eff nd nd nd nd nd JUL Eff | nd nd nd nd nd nd nd nd nd nd nd | Eff nd nd nd AUG Eff nd nd nd nd nd AUG Eff nd | nd nd nd nd Inf nd nd nd Inf NA | Eff nd nd nd nd SEP Eff nd nd nd nd sEP Eff ff | nd nd nd nd nd nd nd nd nd nd nd | Eff nd nd nd nd OCT Eff nd nd nd nd nd nd Eff Eff nd | nd nd nd Inf nd nd nd nd Inf nd | Eff nd nd nd NOV Eff nd nd nd nd nd NOV Eff nd | nd nd nd nd nd nd nd nd nd nd nd | Eff nd nd nd nd DEC Eff nd nd nd nd nd nd DEC Eff f nd |
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| | | | | | | | | | 1 | HCH-HEXA | ACHLOR | OCYCLO | HEXANE | S (ng/L) 19 | 996 | | | | | | | | | |
|---|--|--|---|--|--|---|--|---|---|--|---|--|---|--|---|---|--|--|--|---|---|---|--|---|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 79 | 57 | 73 | 59 | 41 | 43 | 49 | 45 | 81 | 37 | 67 | 34 | 56 | 39 | 70 | 36 | 93 | 48 | 29 | 36 | 42 | 37 | 31 | 41 |
| 2 | 64 | 57 | 73 | 67 | 66 | 59 | 51 | 47 | 76 | 44 | 30 | 27 | 62 | 42 | 51 | 38 | 72 | 49 | 43 | 34 | 33 | 36 | 36 | 23 |
| 3 | 76 | 55 | 66 | 68 | 63 | 52 | 45 | 37 | 54 | 31 | 53 | 32 | 85 | 46 | 51 | 42 | 76 | 38 | 73 | 43 | 38 | 30 | 50 | 28 |
| 4 | 73 | 56 | 76 72 | 58 63 | 47 54 | 45 50 | 48 48 | 45 | 72 | 39 38 | 50 | 31 | 72 69 | 44 | 80 63 | 44 | 55 74 | 41 | 47 48 | 40 | 38 | 34 | 25 36 | 27 30 |
| Average | 13 | 50 | 12 | 03 | 54 | 30 | 40 | 44 | /1 | 30 | 50 | 31 | 09 | 43 | 03 | 40 | 74 | 44 | 40 | 30 | 30 | 54 | 30 | 30 |
| | | | | | | | | | I | HCH-HEXA | ACHLOR | OCYCLO | HEXANE | S (ng/L) 19 | 997 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 71 | 67 | 51 | 47 | 59 | 61 | 50 | 30 | nd | nd | 60 | 28 | 65 | 39 | 62 | 36 | 57 | 48 | 50 | 39 | 55 | 33 | 57 | 36 |
| 2 | 68 | 78 | 72 | 50 | 51 | 50 | 44 | 36 | nd | nd | 76 | 25 | 80 | 40 | 63 | 58 | 64 | 44 | 53 | 35 | 54 | 30 | 47 | 27 |
| 3 | 85 | 50 | 76 | 63 | 70 | 62 | 47 | 27 | 60 | 24 | 83 | 31 | 73 | 35 | 59 | 32 | 160 | 120 | 69 | 33 | 50 | 43 | 71 | 43 |
| 4 | 52 | 41 | 97 | 85 | 41 | 59 | 17 | 21 | 47 | 13 | 75 | 33 | 70 | 34 | 65 | 40 | 0.1 | 71 | 47 | 31 | 64 | 40 | 41 | 29 |
| Average | 69 | 59 | 74 | 61 | 55 | 58 | 47 | 31 | 27 | 9 | 74 | 29 | 12 | 37 | 62 | 42 | 94 | 71 | 55 | 35 | 56 | 37 | 54 | 34 |
| | | | | | | | | | 1 | HCH-HEXA | ACHLOR | OCYCLO | HEXANF | S (ng/L) 19 | 998 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | - | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 45 | 30 | 37 | 26 | 37 | 29 | 46 | 24 | 24 | 34 | 28 | 32 | 46 | 48 | 66 | 33 | 44 | 26 | 68 | 27 | 43 | 24 | 32 | 27 |
| 2 | 61 | 37 | 45 | 29 | 39 | 33 | 28 | 21 | 32 | 27 | 53 | 32 | 45 | 34 | 55 | 31 | 42 | 31 | 53 | 35 | 49 | 27 | 32 | 21 |
| 3 | 54 | 39 | 29 | 25 | 49 | 27 | 30 | 26 | 39 | 42 | 37 | 36 | 42 | 37 | 56 | 30 | 42 | 25 | 57 | 25 | 43 | 29 | 30 | 21 |
| 4 | 47 | 32 | | | 46 | 25 | 42 | 30 | 36 | 32 | | | | | 54 | 34 | 45 | 28 | 50 | 25 | 31 | 21 | 34 | 26 |
| Average | 52 | 35 | 37 | 27 | 43 | 29 | 37 | 25 | 33 | 34 | 39 | 33 | 44 | 40 | 58 | 32 | 43 | 28 | 57 | 28 | 42 | 25 | 32 | 24 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 1 | HCH-HEX/ | ACHLOR | OCYCLO: | HEXANE | S (ng/L) 19 | 999 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | I | HCH-HEXA MAY | ACHLOR | OCYCLO JUN | HEXANE | S (ng/L) 19 JUL | 999 | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | JAN Eff | Inf | FEB Eff | Inf | MAR Eff | Inf | APR Eff | I Inf | | ACHLOR Inf | | HEXANE Inf | S (ng/L) 19 JUL Eff | 999 Inf | AUG Eff | Inf | SEP Eff | Inf | OCT Eff | Inf | NOV Eff | Inf | DEC Eff |
| Week 1 | Inf 32 | | Inf 28 | | Inf 22 | | Inf 70 | | | MAY | | JUN | | JUL | | | Inf 41 | | Inf 68 | | Inf 44 | | Inf 34 | |
| | | Eff | | Eff | | Eff | 70 25 | Eff 37 18 | Inf 15 15 | MAY Eff 11 13 | Inf | JUN Eff | Inf | JUL Eff | Inf | Eff | | Eff | | Eff 36 27 | | Eff | | Eff |
| 1 2 3 | 32 | Eff 23 | 28 26 33 | Eff 16 22 21 | 22 20 15 | Eff 15 15 14 | 70 25 24 | Eff 37 18 17 | Inf 15 | MAY Eff 11 | Inf 38 63 34 | JUN Eff 32 36 25 | Inf 41 38 38 | JUL Eff 25 29 26 | Inf 42 50 43 | Eff 26 35 24 | 41 50 45 | Eff 30 33 29 | 68 44 40 | Eff 36 27 30 | 44 | Eff 27 | 34 57 39 | Eff 18 60 20 |
| 1 2 3 4 | 32 26 29 | Eff 23 23 20 | 28 26 33 39 | Eff 16 22 21 17 | 22 20 15 22 | Eff 15 15 14 12 | 70 25 24 21 | Eff 37 18 17 18 | Inf 15 15 31 | MAY Eff 11 13 22 | Inf 38 63 34 43 | JUN Eff 32 36 25 31 | Inf 41 38 38 39 | JUL Eff 25 29 26 33 | Inf 42 50 43 57 | Eff 26 35 24 26 | 41 50 45 96 | Eff 30 33 29 39 | 68 44 40 48 | Eff 36 27 30 26 | 44 47 36 | Eff 27 25 24 | 34 57 39 31 | Eff 18 60 20 13 |
| 1 2 3 | 32 26 | Eff 23 23 | 28 26 33 | Eff 16 22 21 | 22 20 15 | Eff 15 15 14 | 70 25 24 | Eff 37 18 17 | Inf 15 15 31 20 | MAY Eff 11 13 22 15 | Inf 38 63 34 43 45 | JUN Eff 32 36 25 31 31 | Inf 41 38 38 39 39 | JUL Eff 25 29 26 33 28 | Inf 42 50 43 57 48 | Eff 26 35 24 | 41 50 45 | Eff 30 33 29 | 68 44 40 | Eff 36 27 30 | 44 47 | Eff 27 25 | 34 57 39 | Eff 18 60 20 |
| 1 2 3 4 | 32 26 29 | Eff 23 23 20 22 | 28 26 33 39 | Eff 16 22 21 17 19 | 22 20 15 22 | Eff 15 15 14 12 14 | 70 25 24 21 | Eff 37 18 17 18 23 | Inf 15 15 31 20 | MAY Eff 11 13 22 15 HCH-HEXA | Inf 38 63 34 43 45 | JUN Eff 32 36 25 31 31 OCYCLO | Inf 41 38 38 39 39 | JUL Eff 25 29 26 33 28 28 S (ng/L) 20 | Inf 42 50 43 57 48 | Eff 26 35 24 26 28 | 41 50 45 96 | Eff 30 33 29 39 33 | 68 44 40 48 | Eff 36 27 30 26 30 | 44 47 36 | Eff 27 25 24 25 | 34 57 39 31 | Eff 18 60 20 13 28 |
| 1 2 3 4 Average | 32 26 29 29 | Eff 23 23 20 22 JAN | 28 26 33 39 32 | Eff 16 22 21 17 19 FEB | 22 20 15 22 20 | Eff 15 15 14 12 14 MAR | 70 25 24 21 35 | Eff 37 18 17 18 23 APR | Inf 15 15 31 20 | MAY Eff 11 13 22 15 HCH-HEXA MAY | Inf 38 63 34 43 45 ACHLOR | JUN Eff 32 36 25 31 31 OCYCLO JUN | Inf 41 38 38 39 39 HEXANE | JUL Eff 25 29 26 33 28 S (ng/L) 20 JUL | Inf 42 50 43 57 48 000 | Eff 26 35 24 26 28 AUG | 41 50 45 96 58 | Eff 30 33 29 39 33 SEP | 68 44 40 48 50 | Eff 36 27 30 26 30 OCT | 44 47 36 42 | Eff 27 25 24 25 NOV | 34 57 39 31 40 | Eff 18 60 20 13 28 DEC |
| 1 2 3 4 | 32 26 29 | Eff 23 23 20 22 | 28 26 33 39 | Eff 16 22 21 17 19 | 22 20 15 22 | Eff 15 15 14 12 14 | 70 25 24 21 | Eff 37 18 17 18 23 | Inf 15 15 31 20 | MAY Eff 11 13 22 15 HCH-HEXA | Inf 38 63 34 43 45 | JUN Eff 32 36 25 31 31 OCYCLO | Inf 41 38 38 39 39 | JUL Eff 25 29 26 33 28 28 S (ng/L) 20 | Inf 42 50 43 57 48 | Eff 26 35 24 26 28 | 41 50 45 96 | Eff 30 33 29 39 33 | 68 44 40 48 | Eff 36 27 30 26 30 | 44 47 36 | Eff 27 25 24 25 | 34 57 39 31 | Eff 18 60 20 13 28 |
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| 1 2 3 4 Average | 32 26 29 29 29 Inf 46 | Eff 23 23 20 22 JAN Eff 17 | 28 26 33 39 32 Inf 27 | Eff 16 22 21 17 19 FEB Eff 19 | 22 20 15 22 20 <u>Inf</u> 16 | Eff 15 14 12 14 14 MAR Eff 14 | 70 25 24 21 35 <u>Inf</u> 31 | Eff 37 18 17 18 23 APR Eff 11 | Inf 15 15 31 20 Inf 44 | MAY Eff 11 13 22 15 HCH-HEXA MAY Eff 26 | Inf 38 63 34 43 45 ACHLOR Inf 57 | JUN <u>Eff</u> 32 36 25 31 31 OCYCLO JUN <u>Eff</u> 27 | Inf 41 38 38 39 39 HEXANE Inf 41 | JUL Eff 25 29 26 33 28 S (ng/L) 20 JUL Eff 30 | Inf 42 50 43 57 48 000 Inf 36 | Eff 26 35 24 26 28 AUG Eff 19 | 41 50 45 96 58 <u>Inf</u> 37 | Eff 30 33 29 39 33 SEP Eff 23 | 68 44 40 48 50 <u>Inf</u> 56 | Eff 36 27 30 26 30 OCT Eff 26 | 44 47 36 42 <u>Inf</u> 24 | Eff 27 25 24 25 NOV Eff 17 | 34 57 39 31 40 <u>Inf</u> 73 | Eff 18 60 20 13 28 DEC Eff 29 |
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| 1 2 3 4 Average Week 1 2 3 4 | 32 26 29 29 <u>1nf</u> 46 41 42 24 | Eff 23 23 20 22 JAN Eff 17 25 22 18 | 28 26 33 39 32 <u>Inf</u> 27 30 32 50 | Eff 16 22 21 17 19 FEB Eff 19 18 17 20 | 22 20 15 22 20 <u>Inf</u> 16 25 33 24 | Eff 15 15 14 12 14 MAR Eff 14 19 19 16 | 70 25 24 21 35 <u>Inf</u> 31 15 31 | Eff 37 18 17 18 23 APR Eff 11 11 13 | Inf 15 15 31 20 I Inf 44 32 48 46 43 | MAY Eff 11 13 22 15 HCH-HEXA MAY Eff 26 34 28 26 29 | Inf 38 63 34 43 45 ACHLOR Inf 57 42 41 42 46 | JUN Eff 32 36 25 31 31 0CYCLO JUN Eff 27 22 23 25 24 | Inf 41 38 39 39 HEXANE Inf 41 29 23 22 29 | JUL Eff 25 29 26 33 28 (s (ng/L) 20 JUL Eff 30 17 19 15 20 | Inf 42 50 43 57 48 000 Inf 36 37 52 46 43 | Eff 26 35 24 26 28 AUG Eff 19 19 25 26 | 41 50 45 96 58 <u>Inf</u> 37 34 25 | Eff 30 33 29 39 33 SEP Eff 23 17 15 | 68 44 40 48 50 <u>Inf</u> 56 31 37 34 | Eff 36 27 30 26 30 OCT Eff 26 20 24 24 24 | 44 47 36 42 42 <u>Inf</u> 24 46 60 36 | Eff 27 25 24 25 NOV Eff 17 27 25 35 | 34 57 39 31 40 <u>Inf</u> 73 62 60 53 | Eff 18 60 20 13 28 DEC Eff 29 nd 20 21 |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
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| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
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| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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| riverage | nu | nu | nu | nu | nu | nu | nu | nu | nu | nu | nu | ., | 00 | nu | nu | nu | nu | nu | nu | nu | nu | | nu | |
| | | | | | | | | | CI | ILORDAN | E & REL | ATED CO | MPOUN | DS (ng/L) | 2001 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 2 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | NA nd | nd nd | nd | nd | nd | nd | NA | nd | nd | nd | nd | nd | nd | nd |
| | | | | | | | | | | nd | | | | | | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | nd nd | nd | nd nd | nd | NA | nd nd | nd nd | nd | nd nd | | | | nd | nd | nd | | | | | | nd | | | nd |
| 3 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd nd | nd | nd | nd |
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| PCBs-POLYCHLORINATED BIPHENYLS (ng/L) 1996 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT Week Inf Eff Inf Inf Eff Inf Inf Eff Inf Inf Inf Eff Inf Inf <th>NOV Inf Eff nd nd</th> <th>DEC Inf Eff</th> | NOV Inf Eff nd nd | DEC Inf Eff |
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| PCBs-POLYCHLORINATED BIPHENYLS (ng/L) 1997 | | |
| JAN FEB MAR APR MAY JUN JUL AUG SEP OCT | NOV | DEC |
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| JAN FEB MAR APR MAY JUN JUL AUG SEP OCT | NOV | DEC |
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|--------------|----------|----------|------------|----------|------------|----------|------------|-----|----------|----------|------------|-----------------|------------|----------|------------|----------|------------|-----|------------|----------|----------|----------|------------|----------|
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 27 | nd | 38 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 2 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 37 | nd | nd | nd | nd | nd | nd | 36 | nd | nd |
| 3 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 33 | nd | nd | nd | 27 | nd | nd | nd | nd | nd | nd | nd |
| 4 | | | nd | nd | nd | nd | nd | nd | nd | nd | 0 | | 26 | | 32 | nd | nd | nd | nd | nd | | 10 | nd | nd |
| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | 9 | nd | 24 | nd | 17 | nd | 7 | nd | nd | nd | nd | 12 | nd | nd |
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| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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| | | JAN | | FEB | | MAR | | APR | | MAY | I AND DI | ERIVATIV JUN | VES (ng/L | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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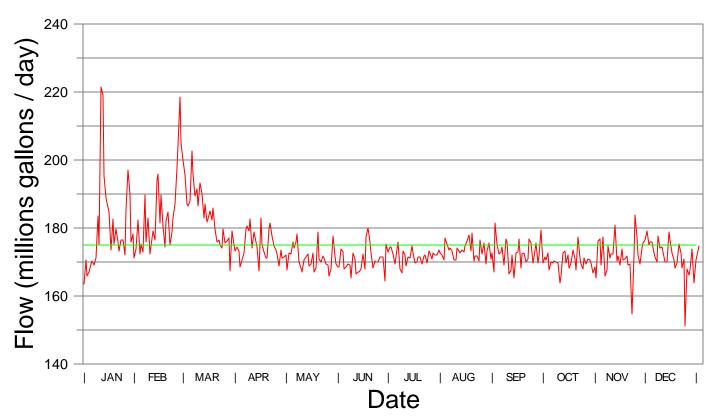
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|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
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| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
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| 337 1 | T C | JAN | T (| FEB | | MAR | T C | APR | T (| MAY | T C | JUN | T C | JUL | | AUG | | SEP | | OCT | T C | NOV | | DEC |
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| 5 4 | nd | nd | nu | nu | nd | nd | nu | | nd | iiu | nd | nd | nu | nu | nd | nd | nd | nd |
| Average | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | | | | | | | | | | | | | | | | | | | | | | | | - |

| | | JAN | | FEB | | MAR | | APR | NON- | CHLORIN MAY | ATED PH | IENOLIC JUN | COMPO | JNDS (ug/ JUL | 'L) 1996 | AUG | | SEP | | ОСТ | | NOV | | DEC |
|---------|--------------|------|--------------|-------------|------------|------|------|--------------|--------------|-----------------|-----------------|------------------|----------------|-------------------|----------|------|------|------|------|------|------|------|------|------|
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 21.9 | 20.2 | 20.2 | 20.7 | 29.8 | 16.4 | 16.8 | 16.4 | 16.8 | 18.0 | 18.0 | 16.0 | 27.0 | 19.1 | 17.8 | 16.2 | 17.2 | 17.7 | 17.6 | 19.0 | 10.8 | 15.9 | 15.5 | 11.0 |
| 2 | 33.2 | 20.5 | 26.1 | 19.5 | 14.8 | 11.2 | 21.7 | 19.0 | 20.1 | 9.1 | 16.2 | 17.3 | 17.5 | 19.6 | 16.0 | 16.8 | 14.1 | 16.9 | 16.0 | 18.2 | 24.9 | 25.1 | 18.7 | 17.8 |
| 3 | 28.8 | 25.4 | 20.4 | 19.0 | 7.9 | 21.4 | 19.7 | 15.4 | 25.2 | 24.0 | 13.1 | 14.8 | 28.1 | 27.5 | 18.3 | 17.9 | 12.0 | 18.8 | 16.3 | 19.0 | 16.5 | 14.2 | 21.4 | 10.5 |
| 4 | 9.1 | 6.5 | 20.1 | 18.1 | 17.4 | 15.5 | 17.6 | 21.3 | | | 21.5 | 17.5 | 15.1 | 20.9 | 24.4 | 21.9 | 15.5 | 18.1 | 16.6 | 18.1 | | | 22.5 | 20.9 |
| Average | 23.3 | 18.2 | 21.7 | 19.3 | 17.5 | 16.1 | 19.0 | 18.0 | 20.7 | 17.0 | 17.2 | 16.4 | 21.9 | 21.8 | 19.1 | 18.2 | 14.7 | 17.9 | 16.6 | 18.6 | 17.4 | 18.4 | 19.5 | 15.1 |
| | | | | | | | | | NON- | CHLORIN | ATED PH | IENOLIC | СОМРОІ | JNDS (ug/ | L) 1997 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | , | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 21.0 | 14.5 | 16.3 | 16.8 | 9.4 | 12.5 | 14.5 | nd | 14.2 | 11.4 | 17.1 | 16.1 | 12.7 | 10.1 | 20.9 | 8.6 | 14.4 | 12.8 | 12.1 | 15.4 | 23.1 | 17.0 | 16.3 | 14.4 |
| 2 | 12.3 | 5.9 | 19.9 | 14.4 | 18.2 | 16.5 | 6.1 | 3.8 | 13.8 | 12.4 | 19.1 | 16.0 | 12.1 | 11.6 | 22.0 | 20.9 | nd | 18.9 | 16.7 | 15.9 | 13.5 | 13.6 | 16.2 | 16.7 |
| 3 | 13.1 | 10.3 | 3.0 | 6.6 | 8.4 | 6.7 | 21.6 | 15.2 | 21.6 | 15.4 | 14.5 | 12.8 | 12.0 | 9.3 | 12.5 | 12.3 | 18.2 | 17.8 | 12.8 | 11.9 | 23.6 | 18.4 | 12.0 | 12.4 |
| 4 | 8.8 | 7.4 | 12.0 | 13.2 | 6.5 | 6.1 | | | 17.9 | 15.9 | NA | 9.0 | 14.2 | 15.3 | 20.2 | 21.4 | | | 12.8 | 13.4 | 16.4 | 14.4 | 16.2 | 15.2 |
| Average | 13.8 | 9.5 | 12.8 | 12.8 | 10.6 | 10.5 | 14.1 | 6.3 | 16.9 | 13.8 | 16.9 | 13.5 | 12.8 | 11.6 | 18.9 | 15.8 | 10.9 | 16.5 | 13.6 | 14.2 | 19.2 | 15.9 | 15.2 | 14.7 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | NON- | CHLORIN | ATED PH | | COMPO | | L) 1998 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 13.3 | 15.9 | 9.1 | 10.9 | 14.9 | 14.6 | 11.7 | 12.3 | 15.9 | 18.0 | 19.0 | 13.1 | 15.0 | 16.5 | 11.1 | 7.6 | 10.5 | 9.4 | 11.0 | 9.2 | 12.0 | 9.2 | 15.1 | 12.5 |
| 2 | 15.7 | 17.4 | 7.1 | 5.6 | 16.9 | 14.5 | 15.7 | 14.9 | 14.0 | 15.6 | 15.0 | 15.9 | 14.9 | 13.1 | 5.2 | 3.4 | 5.8 | 9.1 | 13.8 | 9.4 | 13.4 | 10.1 | 12 | 11.8 |
| 3 | 27.1 | 21.3 | 11.3 | 13.3 | 18.9 | 17.8 | 14.1 | 16.8 | 11.9 | 13.1 | 18.7 | 19.9 | 14.3 | 12.8 | 12.2 | 8.8 | 16.4 | 12.6 | 10.1 | 8.8 | 16.2 | 12.8 | 15.9 | 10.2 |
| 4 | 25.2 | 22.4 | 0.2 | 0.0 | 14.3 | 10.2 | 26.9 | 25.0 | 17.4 | 16.5 | 16.6 | 17.2 | 147 | 1.4.1 | 13.0 | 12.3 | 12.6 | 11.5 | 11.9 | 10.1 | 11.5 | 7.8 | 12.3 | 8.7 |
| Average | 20.3 | 19.3 | 9.2 | 9.9 | 16.3 | 14.3 | 17.1 | 17.3 | 14.8 NON- | 15.8 CHLORIN | 17.3 ATED PI | 16.5 ienol ic | 14.7 COMPOI | 14.1 INDS (ug) | 10.4 | 8.0 | 11.3 | 10.7 | 11.7 | 9.4 | 13.3 | 10.0 | 13.8 | 10.8 |
| | | JAN | | FEB | | MAR | | APR | non- | MAY | AILDII | JUN | COMI O | JUL | L) 1777 | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 15.1 | 11.1 | 14.8 | 11.9 | 15.5 | 11.6 | 17.1 | 11.8 | 12.7 | 8.0 | 19.9 | 10.6 | 24.3 | 15.6 | 21.5 | 8.1 | 16.1 | 11.3 | 13.8 | 12.0 | 18.2 | 10.8 | 13.2 | 9.9 |
| 2 | 15.6 | 10.8 | 23.6 | 13.4 | 13.9 | 9.6 | 15.6 | 11.4 | 14.6 | 7.8 | 21.6 | 13.1 | 16.9 | 10.8 | 22.7 | 14.5 | 19.2 | 15.3 | 17.9 | 15.7 | 15.9 | 12.3 | 21.3 | 17.0 |
| 3 | 15.9 | 11.0 | 18.9 | 13.8 | 13.5 | 8.3 | 19.5 | 12.4 | 6.5 | 10.9 | 18.0 | 11.1 | 21.8 | 13.8 | 17.0 | 14.9 | 16.4 | 14.3 | 16.6 | 8.9 | 19.4 | 12.0 | 16.1 | 11.7 |
| 4 | | | 16.7 | 8.6 | 24.4 | 14.2 | 15.5 | 12.0 | | | 15.8 | 8.7 | 18.6 | 14.5 | 15.5 | 12.3 | 16.1 | 14.5 | 15.5 | 8.5 | | | 18.6 | 11.1 |
| Average | 15.5 | 11.0 | 18.5 | 11.9 | 16.8 | 10.9 | 16.9 | 11.9 | 11.3 | 8.9 | 18.8 | 10.9 | 20.4 | 13.7 | 19.2 | 12.5 | 17.0 | 13.9 | 16.0 | 11.3 | 17.8 | 11.7 | 17.3 | 12.4 |
| | | | | | | | | | NON- | CHLORIN | ATED PH | IENOLIC | COMPO | UNDS (ug/ | L) 2000 | | | | | | | | | |
| | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | , | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | 13.8 | 9.0 | 20.7 | 12.6 | 13.1 | 10.4 | 13.8 | 8.2 | 12.9 | 11.3 | 7.7 | 6.3 | 24.3 | 20.3 | 22.9 | 16.1 | 15.2 | 10.3 | 15.6 | 10.9 | 21.5 | 14.4 | 11.0 | 8.5 |
| 2 | 26.6 | 16.9 | 18.5 | 14.1 | 11.9 | 10.0 | 13.9 | 7.8 | 12.9 | 10.0 | 8.8 | 6.7 | 21.4 | 18.9 | 16.5 | 10.8 | 13.6 | 10.3 | 16.6 | 10.6 | * | 7.7 | 13.8 | 11.5 |
| 3 | 18.9 | 14.9 | 15.9 | 9.9 | 10.4 | 9.1 | 15.3 | 12.1 | 17.2 | 15.4 | 24.3 | 11.6 | 20.2 | 18.0 | 18.2 | 11.2 | 21.4 | 15.4 | 16.2 | 11.9 | 18.7 | 14.4 | 20.3 | 14.6 |
| 4 | 19.1 | 12.0 | 13.9 | 9.1 | 16.8 | 10.5 | | | 6.9 | 7.7 | 16.9 | 13.4 | 21.5 | 12.7 | 12.1 | 9.5 | | | 15.2 | 11.1 | 11.6 | 8.6 | 19.6 | 14 |
| Average | 19.6 | 13.2 | 17.3 | 11.4 | 13.1 | 10.0 | 14.3 | 9.4 | 12.5 | 11.1 | 14.4 | 9.5 | 21.6 | 17.5 | 17.4 | 11.9 | 16.7 | 12.0 | 15.9 | 11.1 | 17.3 | 11.3 | 16.2 | 12.2 |
| | | | | | | | | | NON- | CHLORIN | ATED PH | | COMPO | | L) 2001 | | | | | | | | | |
| | | JAN | | FEB | T (| MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC |
| Week | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff | Inf | Eff |
| 1 | | 13.7 | 22.9 | 23.0 | 12.1 | 7.0 | 21.6 | 24.3 | 17.9 | 18.4 | 25.8 | 15.5 | 19.1 | 10.5 | 16.4 | 11.5 | 14.8 | 6.3 | 13.3 | 8.5 | 15.2 | 12.4 | 19.1 | 8.4 |
| | 17.3 | 0.7 | 1 | | 1 | 0.0 | 00.0 | 12.4 | | 0.0 | 15.0 | 10.0 | 1 - 0 | F 0 | 10.0 | 6.6 | 15.0 | 0 7 | 10.4 | 10.2 | | | 10 - | 0.0 |
| 2 | 11.5 | 8.5 | 11.6 | 6.6 | 11.3 | 8.0 | 22.0 | 12.4 | 14.7 | 9.8 | 17.9 | 12.0 | 15.2 | 5.0 | 18.9 | 8.9 | 15.8 | 8.5 | 10.4 | 10.3 | 16.6 | 11.6 | 13.6 | 9.8 |
| 2 3 | 11.5 13.9 | 9.5 | 11.6 15.4 | 6.6 15.1 | 15.1 | 13.7 | 22.0 | 12.4 13.7 | 14.7 19.1 | 13.1 | 12.7 | 7.4 | 15.2 15.5 | 5.0 10.1 | 14.8 | 9.9 | 16.1 | 6.6 | 12.9 | 6.1 | 25.1 | 10.3 | 12.2 | 7.8 |
| 2 | 11.5 | | | | | | 22.0 | | | | | | | | | | | | | | | | | |

D. Daily Values of Selected Parameters.

Daily values of selected parameters (e.g. TSS, Flow, TSS Removals, etc.) are tabulated and presented graphically; statistical summary information is provided.

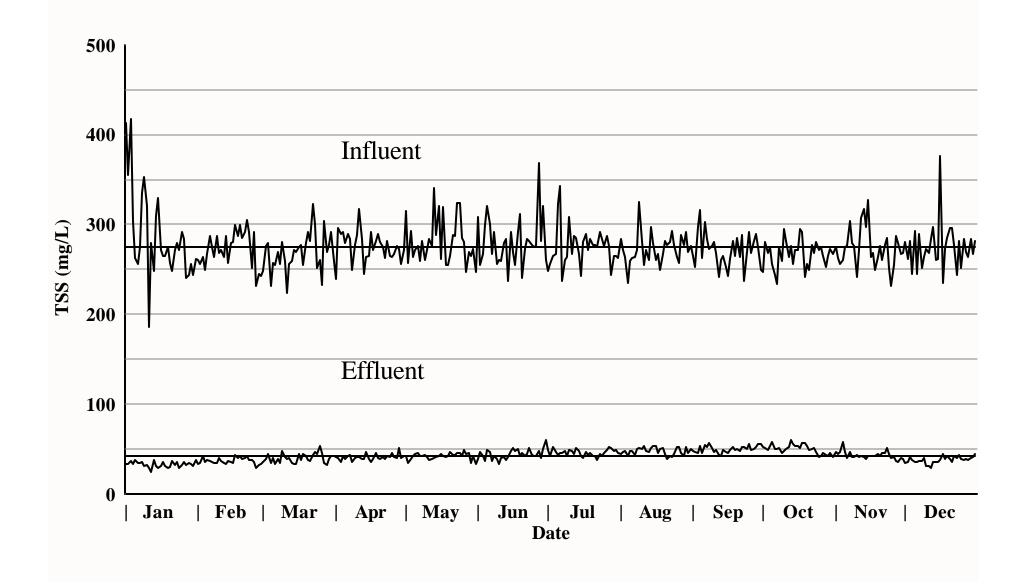


Point Loma Wastewater Treatment Plant 2001 Daily Flows (mgd)

Daily Flows.

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|
| 1 | 163.72 | 173.86 | 200.2 | 173.37 | 172.2 | 168.55 | 172.9 | 172.57 | 172.5 | 169.78 | 168.6 | 176.4 | |
| 2 | 170.7 | 182.36 | 195.7 | 174.44 | 167.6 | 168.46 | 174.5 | 172 | 167.2 | 171.43 | 165.4 | 179.08 | |
| 3 | 165.9 | 172.25 | 187.0 | 173.26 | 172.7 | 173.94 | 174.6 | 170.74 | 181.5 | 170.78 | 176.4 | 175.08 | |
| 4 | 167.1 | 175.33 | 186.5 | 168.69 | 172.3 | 172.86 | 172.4 | 177.11 | 175.2 | 172.56 | 177.0 | 176.08 | |
| 5 | 169.6 | 172.93 | 188.1 | 170.78 | 175.8 | 168.04 | 169.6 | 175.41 | 172.3 | 167.78 | 169.2 | 175.8 | |
| б | 170.5 | 189.74 | 202.8 | 172.65 | 174.1 | 168.63 | 173.9 | 173.61 | 173.0 | 169.93 | 177.6 | 172.79 | |
| 7 | 169.3 | 175.87 | 195.9 | 179.87 | 176.0 | 169.42 | 175.8 | 174.06 | 174.4 | 169.63 | 166.0 | 171.53 | |
| 8 | 171.2 | 183.1 | 189.6 | 180.75 | 178.2 | 169.15 | 167.9 | 173.41 | 169.2 | 170.37 | 167.7 | 170.22 | |
| 9 | 183.6 | 172.29 | 191.5 | 179.05 | 170.1 | 165.48 | 166.7 | 170.71 | 176.8 | 169.97 | 174.7 | 177.82 | |
| 10 | 175.1 | 174.71 | 186.5 | 182.64 | 168.2 | 172.63 | 173.3 | 170.81 | 175.9 | 169.8 | 171.4 | 174.15 | |
| 11 | 221.6 | 179.06 | 193.3 | 174.2 | 167.2 | 170.82 | 172.0 | 174.11 | 166.4 | 163.9 | 172.3 | 174.6 | |
| 12 | 219.3 | 176.62 | 190.2 | 178.91 | 170.7 | 166.58 | 168.8 | 173.31 | 167.7 | 165.94 | 172.3 | 171.6 | |
| 13 | 195.3 | 194.31 | 183.0 | 177.51 | 171.6 | 167.17 | 171.5 | 172.68 | 172.0 | 172.61 | 180.9 | 170.11 | |
| 14 | 188.9 | 196 | 187.1 | 174.53 | 172.3 | 167.15 | 171.3 | 173.68 | 165.4 | 173.18 | 170.5 | 170.12 | |
| 15 | 187.4 | 181.48 | 181.8 | 167.49 | 168.8 | 168.03 | 174.9 | 173.07 | 172.6 | 169.74 | 171.8 | 178.87 | |
| 16 | 184.8 | 189.9 | 182.9 | 182.94 | 169.4 | 172.48 | 172.5 | 174.71 | 172.9 | 172.19 | 169.3 | 176.55 | |
| 17 | 173.7 | 180.49 | 185.1 | 175.25 | 172.7 | 168.11 | 169.7 | 176.38 | 176.8 | 168.42 | 173.8 | 172.64 | |
| 18 | 182.7 | 174.58 | 182.5 | 173.08 | 167.2 | 177.53 | 170.1 | 177.9 | 168.2 | 169.87 | 170.6 | 170.76 | |
| 19 | 175.5 | 182.13 | 186.0 | 171.24 | 168.2 | 179.99 | 171.5 | 173.18 | 172.3 | 173.62 | 171.0 | 168.38 | |
| 20 | 179.6 | 184.82 | 179.7 | 171.22 | 178.9 | 175.85 | 171.7 | 178.53 | 172.6 | 171.02 | 171.9 | 169.68 | |
| 21 | 175.8 | 175.05 | 175.9 | 179.83 | 171.0 | 172.79 | 169.4 | 170.47 | 170.1 | 167.68 | 169.2 | 175.3 | |
| 22 | 173.4 | 178.93 | 176.4 | 181.65 | 170.1 | 168.2 | 171.7 | 171.82 | 171.1 | 177.31 | 169.4 | 172.63 | |
| 23 | 176.7 | 182.9 | 175.2 | 177.6 | 171.8 | 170.33 | 172.0 | 171.8 | 176.9 | 171.22 | 154.7 | 168.23 | |
| 24 | 176.6 | 186.98 | 174.3 | 174.9 | 171.3 | 169.95 | 169.7 | 170.45 | 175.7 | 169.5 | 171.7 | 171 | |
| 25 | 172.1 | 197.77 | 179.8 | 173.67 | 169.6 | 170.16 | 173.4 | 176.46 | 169.9 | 167.89 | 183.9 | 151.32 | |
| 26 | 185.6 | 204.34 | 175.6 | 172.41 | 169.1 | 171.71 | 172.7 | 172.41 | 171.7 | 171.24 | 177.5 | 167.94 | |
| 27 | 197.1 | 218.68 | 176.4 | 168.94 | 165.8 | 171.52 | 170.8 | 175.64 | 175.6 | 169.54 | 172.1 | 166.13 | |
| 28 | 189.8 | 204.97 | 177.2 | 173.45 | 168.1 | 171.49 | 172.6 | 169.5 | 169.7 | 170.92 | 169.4 | 167.55 | |
| 29 | 175.8 | | 167.3 | 171.34 | 177.6 | 164.63 | 172.1 | 173.25 | 171.8 | 170.78 | 174.1 | 173.89 | |
| 30 | 178.2 | | 179.2 | 171.53 | 171.7 | 175.41 | 172.1 | 175.6 | 179.6 | 169.68 | 175.7 | 163.94 | Annu |
| 31 | | | 175.1 | | 169.4 | | 173.7 | 170.9 | | 166.9 | | 170.7 | Summar |
| verage | 180.3 | 184.3 | 184.1 | 174.9 | 171.3 | 170.6 | 171.8 | 173.4 | 172.6 | 170.2 | 171.9 | 171.6 | 174.7 |
| | 163.7 | 172.3 | 167.3 | 167.5 | 165.8 | 164.6 | 166.7 | 169.5 | 165.4 | 163.9 | 154.7 | 151.3 | 151.3 |
| aximum | 221.6 | 218.7 | 202.8 | 182.9 | 178.9 | 180.0 | 175.8 | 178.5 | 181.5 | 177.3 | 183.9 | 179.1 | 221.6 |
| otal | 5588 | 5161 | 5707.4 | 5247 | 5309.6 | 5117 | 5325.7 | 5376 | 5177 | 5275 | 5156 | 5321 | 63761 |

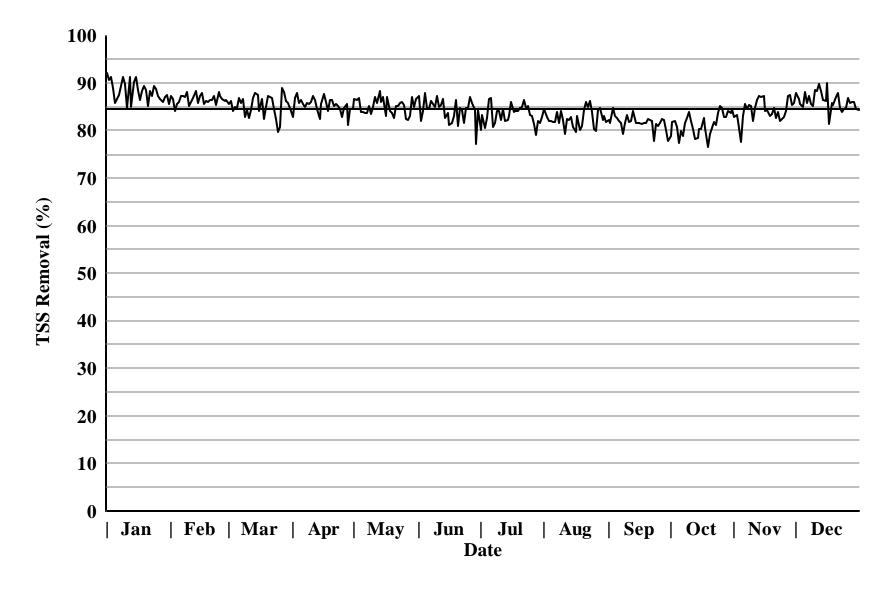
Point Loma Wastewater Treatment Plant 2001 Total Suspended Solids



Point Loma Wastewater Treatment Plant 2001 Total Suspended Solids (mg/L)

| | Jan | | Feb | | Mar | | Apr | | May | 7 | Jun | | Ju | 1 | Aug | | Sep | | Oct | | Nov | | Dec | |
|------------|----------------|--------------|-------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| Day | Inf | Eff | Inf E | Eff | Inf I | Eff | Inf | Eff | Inf | Eff | Inf | Eff . | Inf | Eff | Inf | Eff | Inf | Eff | Inf E | lff I | inf I | Eff | Inf 1 | Eff |
| 1 | 413.0 | 32.9 | | 33.1 | 248.0 | 35.8 | 239.0 | 41.1 | 315.0 | 41.8 | 308.0 | 38.9 | 248.0 | 49.1 | | 44.0 | | 47.1 | | 52.2 | 275.0 | 46.9 | 280.0 | 34.2 |
| 2 | 355.0 | 32.9 | 256.0 | 34.4 | 276.0 | 38.2 | 296.0 | 39.1 | 257.0 | 34.7 | 255.0 | 46.0 | 256.0 | 42.4 | 272.0 | 46.6 | 253.0 | 46.2 | | 51.1 | 263.0 | 43.6 | 261.0 | 35.1 |
| 3 | 417.0 | 36.2 | 264.0 | 42.2 | 279.0 | 44.4 | 289.0 | 35.3 | 293.0 | 38.4 | 267.0 | 42.2 | 265.0 | 51.6 | | 47.3 | 297.0 | 45.1 | 268.0 | 48.2 | 256.0 | 46.0 | 281.0 | 40.4 |
| 4 | 304.0 | 33.3 | 249.0 | 36.0 | 231.0 | 34.7 | 292.0 | 41.6 | 264.0 | 42.4 | 299.0 | 36.2 | 267.0 | 46.2 | 235.0 | 42.2 | 316.0 | 53.1 | 275.0 | 52.7 | 260.0 | 58.2 | 245.0 | 36.9 |
| 5 | 263.0 | 37.6 | 267.0 | 37.5 | 257.0 | 39.3 | 279.0 | 38.0 | 271.0 | 44.0 | 321.0 | 49.1 | 323.0 | 42.9 | 259.0 | 47.1 | 263.0 | 45.8 | 256.0 | 58.2 | 275.0 | 46.7 | 293.0 | 35.1 |
| 07 | 256.0 275.0 | 34.2 34.5 | | 36.7 35.3 | 255.0 269.0 | 33.3 38.5 | 289.0 284.0 | 41.6 42.9 | 276.0 259.0 | 45.1 42.2 | 300.0 267.0 | 46.4 36.7 | 343.0 237.0 | 44.9 45.8 | 263.0 264.0 | 47.5 42.5 | 303.0 284.0 | 54.6 52.0 | 244.0 233.0 | 49.3 49.3 | 276.0 304.0 | 40.0 46.9 | 245.0 289.0 | 35.1 36.4 |
| 8 | 335.0 | 36.0 | | 33.3 34.0 | 256.0 | 34.0 | 249.0 | 35.7 | 239.0 | 42.2 | 292.0 | 42.4 | 260.0 | 47.8 | | 49.6 | | 56.4 | 235.0 | 49.3 50.4 | 279.0 | 40.9 | 252.0 | 36.2 |
| 9 | | 30.4 | | 34.4 | 280.0 | 48.0 | 277.0 | 40.0 | 260.0 | 42.9 | 256.0 | 38.7 | 264.0 | 42.0 | 325.0 | 51.3 | 275.0 | 50.4 | | 44.9 | 279.0 | 40.9 | 264.0 | 30.2 39.3 |
| 10 | 00010 | 32.5 | 267.0 | 40.0 | 259.0 | 40.4 | 288.0 | 40.3 | 272.0 | 41.1 | 260.0 | 33.1 | 308.0 | 49.1 | | 50.0 | 280.0 | 46.9 | 295.0 | 47.8 | 241.0 | 43.1 | 273.0 | 31.1 |
| 10 | 186.0 | 28.4 | 272.0 | 36.7 | 224.0 | 38.9 | 317.0 | 40.5 | 283.0 | 36.9 | 259.0 | 39.1 | 267.0 | 47.3 | | 52.7 | 268.0 | 48.4 | 293.0 | 50.2 | 271.0 | 41.1 | 268.0 | 31.1 |
| 12 | | 24.2 | | 34.7 | 256.0 | 40.0 | 283.0 | 38.4 | 276.0 | 38.9 | 279.0 | 40.9 | 287.0 | 44.4 | | 48.0 | 241.0 | 43.1 | 264.0 | 51.8 | 307.0 | 41.8 | 283.0 | 29.1 |
| 13 | 248.0 | 37.1 | 287.0 | 33.3 | 259.0 | 34.0 | 245.0 | 38.0 | 340.0 | 39.8 | 284.0 | 37.8 | 285.0 | 51.1 | 260.0 | 46.0 | 260.0 | 41.3 | 276.0 | 60.2 | 317.0 | 40.4 | 297.0 | 35.1 |
| 14 | 309.0 | 30.4 | 257.0 | 36.2 | 271.0 | 33.1 | 264.0 | 46.5 | 288.0 | 40.2 | 237.0 | 41.1 | 267.0 | 47.3 | 297.0 | 51.1 | 265.0 | 48.9 | 256.0 | 55.3 | 297.0 | 38.4 | 260.0 | 35.4 |
| 15 | 329.0 | 28.5 | 279.0 | 35.4 | 269.0 | 33.3 | 265.0 | 38.4 | 321.0 | 41.8 | 292.0 | 47.5 | 243.0 | 41.3 | 279.0 | 53.6 | 253.0 | 46.2 | 271.0 | 53.3 | 327.0 | 41.8 | 261.0 | 35.8 |
| 16 | 271.0 | 31.3 | 280.0 | 34.2 | 275.0 | 44.0 | 292.0 | 35.8 | 261.0 | 44.2 | 269.0 | 50.9 | 280.0 | 39.1 | 260.0 | 53.1 | 243.0 | 44.9 | 271.0 | 53.3 | 264.0 | 41.8 | 376.0 | 37.6 |
| 17 | 265.0 | 35.8 | 299.0 | 43.5 | 277.0 | 36.9 | 272.0 | 38.2 | 319.0 | 41.6 | 255.0 | 47.1 | 289.0 | 46.9 | 267.0 | 44.9 | 261.0 | 48.9 | 295.0 | 51.3 | 268.0 | 41.8 | 235.0 | 43.6 |
| 18 | 265.0 | 30.7 | 287.0 | 39.3 | 255.0 | 44.5 | 281.0 | 44.7 | 255.0 | 40.9 | 291.0 | 49.3 | 271.0 | 42.7 | 249.0 | 49.8 | 281.0 | 51.7 | 292.0 | 56.7 | 249.0 | 41.8 | 273.0 | 38.6 |
| 19 | 275.0 | 29.1 | 299.0 | 41.6 | 279.0 | 42.2 | 289.0 | 39.3 | 255.0 | 41.6 | 312.0 | 42.4 | 283.0 | 45.3 | 267.0 | 50.9 | 265.0 | 48.9 | 241.0 | 56.4 | 264.0 | 43.6 | 285.0 | 42.0 |
| 20 | 257.0 | 29.3 | 285.0 | 38.7 | 291.0 | 36.9 | 280.0 | 38.0 | 265.0 | 46.2 | 240.0 | 45.6 | 277.0 | 42.2 | 281.0 | 43.8 | 285.0 | 50.0 | 256.0 | 53.1 | 276.0 | 42.2 | 296.0 | 38.4 |
| 21 | 248.0 | 36.7 | 292.0 | 39.8 | 281.0 | 36.2 | 275.0 | 40.9 | 288.0 | 42.7 | 273.0 | 41.7 | 277.0 | 41.5 | 277.0 | 38.9 | 264.0 | 47.1 | 249.0 | 48.4 | 260.0 | 45.3 | 296.0 | 36.0 |
| 22 | 271.0 | 31.5 | 305.0 | 41.3 | 323.0 | 42.5 | 263.0 | 38.2 | 287.0 | 42.9 | 283.0 | 44.2 | 275.0 | 37.1 | 280.0 | 42.4 | 288.0 | 51.5 | 277.0 | 50.2 | 277.0 | 44.7 | 277.0 | 42.0 |
| 23 | 279.0 | 35.1 | 292.0 | 37.1 | 301.0 | 46.7 | 281.0 | 41.8 | 324.0 | 45.6 | 281.0 | 51.3 | 291.0 | 44.4 | 293.0 | 40.4 | 237.0 | 52.4 | 268.0 | 50.4 | 285.0 | 51.1 | 244.0 | 39.3 |
| 24 | 272.0 | 29.1 | 252.0 | 36.9 | 251.0 | 44.2 | 265.0 | 41.1 | 324.0 | 44.9 | 277.0 | 43.1 | 283.0 | 41.8 | 277.0 | 44.6 | | 50.2 | 280.0 | 46.0 | 252.0 | 44.2 | 281.0 | 43.3 |
| 25 | | 32.6 | | 35.1 | 260.0 | 52.7 | 264.0 | 45.3 | 285.0 | 41.8 | 275.0 | 42.0 | 276.0 | 45.8 | | 51.8 | 292.0 | 55.6 | | 40.5 | 231.0 | 39.6 | 251.0 | 38.2 |
| 26 | | 35.8 | | 29.1 | 232.0 | 44.7 | 267.0 | 40.7 | 280.0 | 49.1 | 276.0 | 42.2 | 287.0 | 48.7 | 257.0 | 52.0 | 268.0 | 49.1 | 275.0 | 42.0 | 255.0 | 40.4 | 284.0 | 37.1 |
| 27 | 240.0 | 32.0 | | 32.5 | 304.0 | 33.8 | 276.0 | 40.0 | 247.0 | 43.8 | 368.0 | 47.6 | 276.0 | 51.5 | | 45.3 | 281.0 | 49.3 | | 45.3 | 287.0 | 36.7 | 269.0 | 38.5 |
| 28 | | 33.8 | 243.0 | 33.6 | 269.0 | 32.4 | 273.0 | 51.3 | 269.0 | 45.1 | 281.0 | 40.0 | 244.0 | 51.3 | | 42.2 | 289.0 | 51.5 | | 43.3 | 279.0 | 34.9 | 264.0 | 36.9 |
| 29 | | 33.3 | | | 277.0 | 38.0 | 256.0 | 39.5 | 265.0 | 34.5 | | 50.2 | 265.0 | 47.8 | | 51.5 | | 55.1 | 265.0 | 41.8 | 267.0 | 39.3 | 283.0 | 39.4 |
| 30 | | 30.4 | | | 291.0 | 41.3 | 271.0 | 41.6 | 273.0 | 41.3 | 260.0 | 59.5 | 265.0 | 48.4 | | 45.8 | 249.0 | 55.2 | | 44.9 | 268.0 | 38.0 | 267.0 | 41.1 |
| 31 | 261.0 286.0 | 37.6 | | 36.5 | 259.0 268.2 | 41.3 | 275.4 | 40.5 | 247.0 280.6 | 33.1 | 281.3 | 43.8 | 263.0 274.9 | 45.1 | | 50.0 47.3 | 271.5 | 49.6 | 267.0 267.0 | 41.1 | 273.5 | 42.7 | 281.0 274.6 | 44.2 37.5 |
| Avg Min | 280.0 186.0 | 24.2 | | 29.1 | 208.2 | 39.5 | 275.4 | 35.3 | 280.0 | 33.1 | 237.0 | 43.8 33.1 | 274.9 | 43.0 37.1 | | 38.9 | 271.3 | 49.0 | 233.0 | 49.7 | 275.5 | 42.7 34.9 | 274.0 | 29.1 |
| Max | 417.0 | 37.6 | | 43.5 | 323.0 | 52.4 52.7 | 239.0 | 55.5 51.3 | 247.0 340.0 | 49.1 | 368.0 | 59.5 | 237.0 343.0 | 51.6 | | 53.6 | | 41.5 56.4 | | 40.5 60.2 | 231.0 327.0 | 58.2 | 235.0 376.0 | 29.1 44.2 |
| IVIAX | 417.0 | 57.0 | 505.0 | 45.5 | 525.0 | 52.7 | 517.0 | 51.5 | 540.0 | 47.1 | 508.0 | 59.5 | 545.0 | 51.0 | 525.0 | 55.0 | 510.0 | 50.4 | 295.0 | 00.2 | 527.0 | 56.2 | 570.0 | 44.2 |

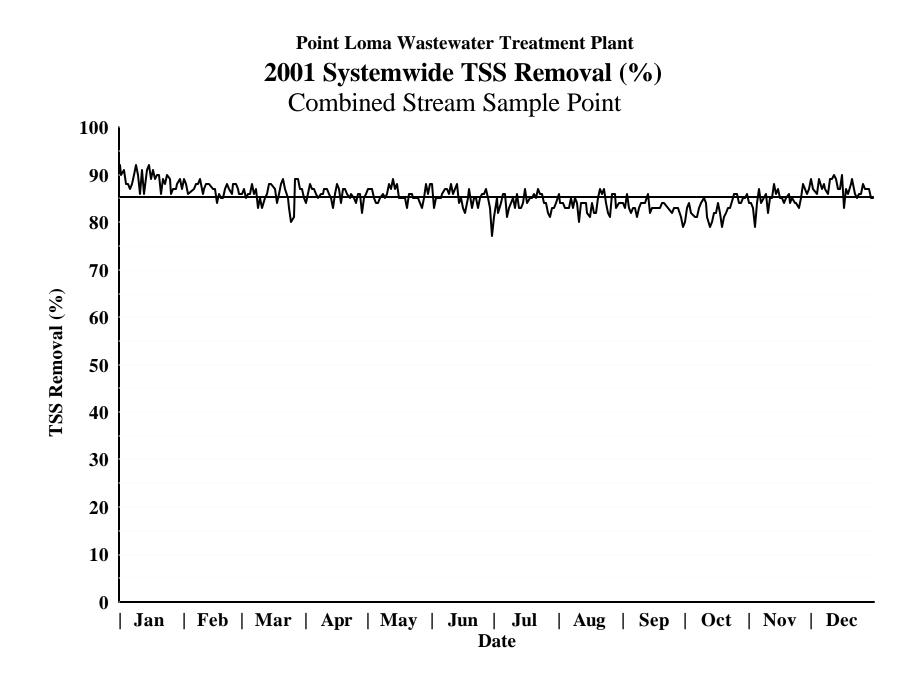
Point Loma Wastewater Treatment Plant 2001 TSS Removal (%) at Point Loma



Point Loma Wastewater Treatment Plant 2001 Total Suspended Solids Removals (%) at Pt. Loma

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | % Rem |
| 1 | 92.0 | | | 82.8 | 86.7 | 87.4 | 80.2 | 84.5 | 82.2 | 78.9 | 82.9 | 87.8 |
| 2 | 90.7 | 86.6 | 86.2 | 86.8 | 86.5 | 82.0 | 83.4 | 82.9 | 81.7 | 81.8 | 83.4 | 86.6 |
| 3 | 91.3 | 84.0 | 84.1 | 87.8 | 86.9 | 84.2 | 80.5 | 82.1 | 84.8 | 82.0 | 82.0 | 85.6 |
| 4 | 89.0 | 85.5 | 85.0 | 85.8 | 83.9 | 87.9 | 82.7 | 82.0 | 83.2 | 80.8 | 77.6 | 84.9 |
| 5 | 85.7 | 86.0 | 84.7 | 86.4 | 83.8 | 84.7 | 86.7 | 81.8 | 82.6 | 77.3 | 83.0 | 88.0 |
| 6 | 86.6 | 87.2 | 86.9 | 85.6 | 83.7 | 84.5 | 86.9 | 81.9 | 82.0 | 79.8 | 85.5 | 85.7 |
| 7 | 87.5 | 87.2 | 85.7 | 84.9 | 83.7 | 86.3 | 80.7 | 83.9 | 81.7 | 78.8 | 84.6 | 87.4 |
| 8 | 89.3 | 87.1 | 86.7 | 85.7 | 85.1 | 85.5 | 81.6 | 81.7 | 79.3 | 81.7 | 85.3 | 85.6 |
| 9 | 91.4 | 88.0 | 82.9 | 85.6 | 83.5 | 84.9 | 84.1 | 84.2 | 81.7 | 82.7 | 85.2 | 85.1 |
| 10 | 89.9 | 85.1 | 84.4 | 86.0 | 84.9 | 87.3 | 84.1 | 82.2 | 83.3 | 83.8 | 82.1 | 88.6 |
| 11 | 84.7 | 86.5 | 82.6 | 87.2 | 87.0 | 84.9 | 82.3 | 79.3 | 81.9 | 82.1 | 84.8 | 88.4 |
| 12 | 91.3 | 86.9 | 84.4 | 86.4 | 85.9 | 85.3 | 84.5 | 82.4 | 82.1 | 80.4 | 86.4 | 89.7 |
| 13 | 85.0 | 88.4 | 86.9 | 84.5 | 88.3 | 86.7 | 82.1 | 82.3 | 84.1 | 78.2 | 87.3 | 88.2 |
| 14 | 90.2 | 85.9 | 87.8 | 82.4 | 86.0 | 82.7 | 82.3 | 82.8 | 81.5 | 78.4 | 87.1 | 86.4 |
| 15 | 91.3 | 87.3 | 87.6 | 85.5 | 87.0 | 83.7 | 83.0 | 80.8 | 81.7 | 80.3 | 87.2 | 86.3 |
| 16 | 88.5 | 87.8 | 84.0 | 87.7 | 83.1 | 81.1 | 86.0 | 79.6 | 81.5 | 80.3 | 84.2 | 90.0 |
| 17 | 86.5 | 85.5 | 86.7 | 86.0 | 87.0 | 81.5 | 83.8 | 83.2 | 81.3 | 82.6 | 84.4 | 81.4 |
| 18 | 88.4 | 86.3 | 82.5 | 84.1 | 84.0 | 83.1 | 84.2 | 80.0 | 81.6 | 80.6 | 83.2 | 85.9 |
| 19 | 89.4 | 86.1 | 84.9 | 86.4 | 83.7 | 86.4 | 84.0 | 80.9 | 81.5 | 76.6 | 83.5 | 85.3 |
| 20 | 88.6 | 86.4 | 87.3 | 86.4 | 82.6 | 81.0 | 84.8 | 84.4 | 82.5 | 79.3 | 84.7 | 87.0 |
| 21 | 85.2 | 86.5 | 87.1 | 85.1 | 85.2 | 84.7 | 85.0 | 86.0 | 82.2 | 80.6 | 82.6 | 87.8 |
| 22 | 88.4 | 87.3 | 86.8 | 85.5 | 85.1 | 84.4 | 86.5 | 84.9 | 82.1 | 81.9 | 83.9 | 84.8 |
| 23 | 87.4 | 85.4 | 84.5 | 85.1 | 85.9 | 81.7 | 84.7 | 86.2 | 77.9 | 81.2 | 82.1 | 83.9 |
| 24 | 89.3 | 88.0 | 82.4 | 84.5 | 86.1 | 84.7 | 85.2 | 83.9 | 81.3 | 83.6 | 82.5 | 84.6 |
| 25 | 88.8 | 87.4 | 79.7 | 82.8 | 85.3 | 84.7 | 83.4 | 80.4 | 81.0 | 85.1 | 82.9 | 84.8 |
| 26 | 87.3 | 86.7 | 80.7 | 84.8 | 82.5 | 87.1 | 83.0 | 79.8 | 81.7 | 84.7 | 84.2 | 86.9 |
| 27 | 86.7 | 86.2 | 88.9 | 85.5 | 82.3 | 85.8 | 81.3 | 84.3 | 82.5 | 82.9 | 87.2 | 85.7 |
| 28 | 86.1 | 86.4 | 88.0 | 81.2 | 83.2 | 84.4 | 79.0 | 84.8 | 82.2 | 82.9 | 87.5 | 86.0 |
| 29 | 87.0 | | 86.3 | 84.6 | 87.0 | 77.1 | 82.0 | 82.3 | 80.0 | 84.2 | 85.3 | 86.1 |
| 30 | 87.5 | | 85.8 | 84.6 | 84.9 | 84.4 | 81.7 | 83.0 | 77.8 | 83.6 | 85.8 | 84.6 |
| 31 | 85.6 | | 84.1 | | 86.6 | | 82.9 | 81.9 | | 84.6 | | 84.3 |
| | 88.3 | 86.6 | 85.2 | 85.3 | 85.1 | 84.3 | 83.3 | 82.6 | 81.7 | 81.3 | 84.3 | 86.2 |
| | 84.7 | 84.0 | 79.7 | 81.2 | 82.3 | 77.1 | 79.0 | 79.3 | 77.8 | 76.6 | 77.6 | 81.4 |
| | 92.0 | 88.4 | 88.9 | 87.8 | 88.3 | 87.9 | 86.9 | 86.2 | 84.8 | 85.1 | 87.5 | 90.0 |

Avg Min Max

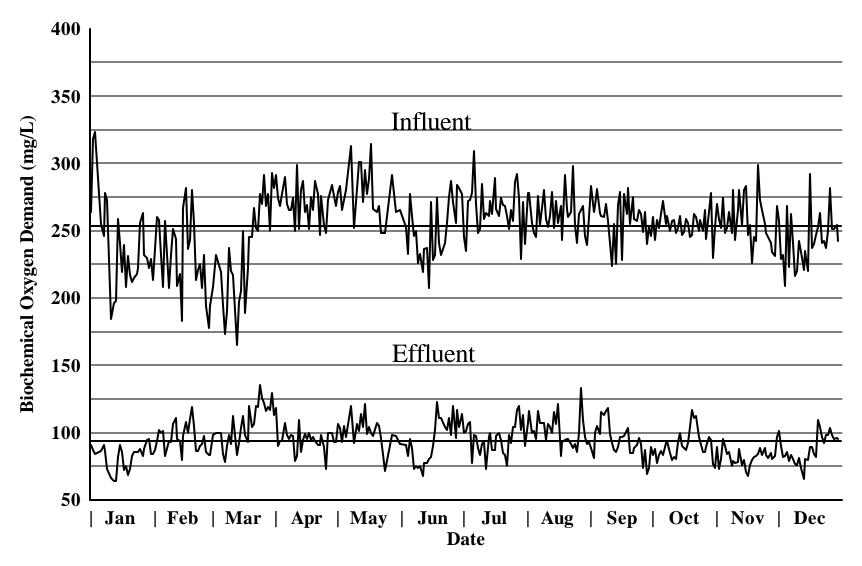


Point Loma Wastewater Treatment Plant 2001 Total Suspended Solids Systemwide Removals (%) Combined Stream Sample Point

| | | an Fe | b | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | % R | em %R | em | % Rem |
| 1 | 92 | | 89.0 | | 84.0 | 87.0 | 88.0 | 81.0 | 86.0 | 84.0 | 80.0 | 84.0 | 89.0 |
| 2 | 90 | | 88.0 | | | 87.0 | 83.0 | 85.0 | 84.0 | 83.0 | 83.0 | 84.0 | 87.0 |
| 3 | 91 | | 86.0 | | 88.0 | 87.0 | 85.0 | 82.0 | 84.0 | 86.0 | 84.0 | 83.0 | |
| 4 | 88 | | | 86.0 | 87.0 | 85.0 | | 84.0 | 83.0 | 83.0 | 82.0 | 79.0 | 86.0 |
| 5 | 88 | | | 86.0 | 87.0 | 84.0 | 85.0 | 86.0 | 83.0 | 82.0 | | 84.0 | 89.0 |
| 6 | 87 | | 87.0 | | 86.0 | 84.0 | 86.0 | 86.0 | 83.0 | 83.0 | 81.0 | 87.0 | 87.0 |
| 7 | 88 | | 88.0 | 86.0 | 85.0 | 85.0 | 87.0 | 81.0 | 85.0 | 83.0 | 81.0 | 84.0 | 88.0 |
| 8 | 90 | | 88.0 | | 86.0 | 86.0 | 87.0 | 83.0 | 83.0 | 81.0 | 83.0 | | 87.0 |
| 9 | 92 | .0 | 89.0 | 83.0 | 86.0 | 85.0 | 86.0 | | 85.0 | 83.0 | 84.0 | 86.0 | 86.0 |
| 10 | 90 | | 86.0 | 85.0 | 87.0 | 86.0 | 88.0 | 85.0 | 84.0 | 84.0 | 85.0 | 82.0 | 89.0 |
| 11 | 86 | | 87.0 | | 87.0 | 88.0 | 86.0 | 83.0 | 80.0 | 84.0 | 84.0 | 85.0 | 89.0 |
| 12 | 91 | .0 | 88.0 | 85.0 | 86.0 | 87.0 | 87.0 | 86.0 | 84.0 | 84.0 | 81.0 | 85.0 | 90.0 |
| 13 | 86 | .0 | 88.0 | | 85.0 | 89.0 | 88.0 | 83.0 | 84.0 | 86.0 | 79.0 | 88.0 | 89.0 |
| 14 | 91 | 0 | | 88.0 | 83.0 | 87.0 | 84.0 | 83.0 | 84.0 | 82.0 | 80.0 | 86.0 | 87.0 |
| 15 | 92 | .0 | 87.0 | 88.0 | 86.0 | 88.0 | 85.0 | 84.0 | 82.0 | 83.0 | 82.0 | 87.0 | 87.0 |
| 16 | 89 | .0 | 87.0 | | 88.0 | 85.0 | 83.0 | 87.0 | 81.0 | 83.0 | 82.0 | 85.0 | 90.0 |
| 17 | 91 | .0 | 84.0 | 87.0 | 87.0 | | 82.0 | 84.0 | 84.0 | 83.0 | 84.0 | 85.0 | 83.0 |
| 18 | 89 | 0 | 86.0 | 84.0 | 84.0 | 85.0 | 85.0 | 85.0 | 82.0 | 83.0 | 82.0 | 84.0 | 87.0 |
| 19 | 90 | 0 | 85.0 | 86.0 | 87.0 | 85.0 | 87.0 | 85.0 | 82.0 | 83.0 | 79.0 | 85.0 | 86.0 |
| 20 | 90 | .0 | 85.0 | 88.0 | 87.0 | 83.0 | 83.0 | 86.0 | 85.0 | 84.0 | 81.0 | 86.0 | 88.0 |
| 21 | 86 | .0 | 87.0 | 89.0 | 86.0 | 86.0 | 85.0 | 85.0 | 87.0 | 84.0 | 82.0 | 84.0 | 89.0 |
| 22 | 89 | 0 | 88.0 | 87.0 | 85.0 | 86.0 | 85.0 | 87.0 | 86.0 | | 83.0 | 85.0 | 86.0 |
| 23 | 88 | .0 | 87.0 | 85.0 | 86.0 | 85.0 | 83.0 | 86.0 | 87.0 | | 83.0 | 84.0 | 85.0 |
| 24 | 90 | .0 | 86.0 | 83.0 | 85.0 | 85.0 | 85.0 | 86.0 | 84.0 | | 85.0 | 84.0 | 86.0 |
| 25 | 89 | .0 | 88.0 | 80.0 | 84.0 | 85.0 | 86.0 | 84.0 | 82.0 | 82.0 | 86.0 | 83.0 | 86.0 |
| 26 | 86 | .0 | 88.0 | 81.0 | 86.0 | 84.0 | 86.0 | 84.0 | 81.0 | 83.0 | 86.0 | 85.0 | 88.0 |
| 27 | 87 | .0 | 87.0 | 89.0 | 86.0 | 83.0 | 87.0 | 82.0 | 86.0 | 83.0 | 84.0 | 88.0 | 87.0 |
| 28 | 87 | .0 | 86.0 | 89.0 | 82.0 | 85.0 | 85.0 | 81.0 | 86.0 | 83.0 | 84.0 | 87.0 | 87.0 |
| 29 | 88 | .0 | | 87.0 | 85.0 | 88.0 | 83.0 | 83.0 | 83.0 | 81.0 | 85.0 | 86.0 | 87.0 |
| 30 | 89 | .0 | | 87.0 | 86.0 | 86.0 | 77.0 | 83.0 | 84.0 | 79.0 | 85.0 | 87.0 | 85.0 |
| 31 | 87 | | | 85.0 | | 88.0 | | 84.0 | 84.0 | | 86.0 | | 85.0 |
| | 88.9 | | 87.0 | 85.9 | 85.8 | 85.8 | 85.1 | 84.1 | 83.8 | 83.0 | 82.9 | 84.9 | 87.2 |
| | 86.0 | | 84.0 | 80.0 | 82.0 | 83.0 | 77.0 | 81.0 | 80.0 | 79.0 | 79.0 | 79.0 | 83.0 |
| 1 | 92.0 | | 89.0 | 89.0 | 88.0 | 89.0 | 88.0 | 87.0 | 87.0 | 86.0 | 86.0 | 88.0 | 90.0 |

Avg Min Max

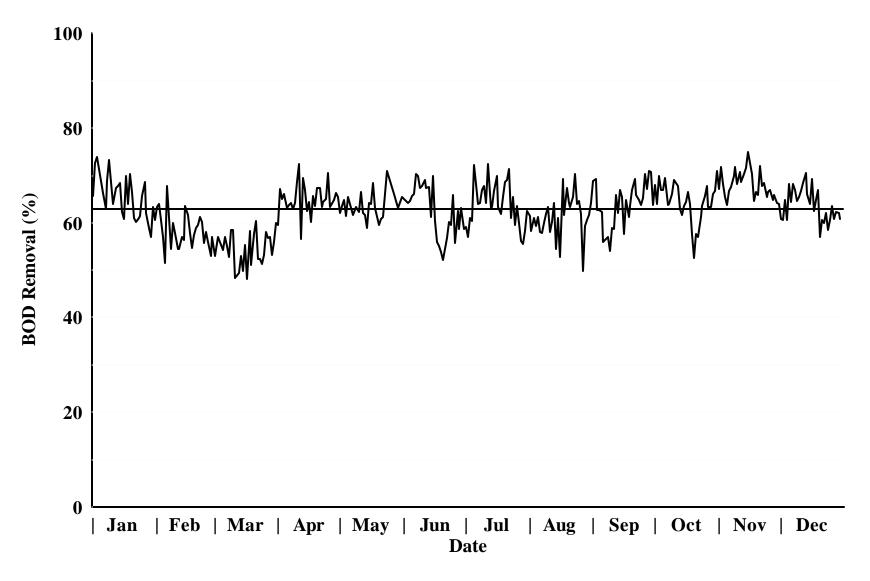
Point Loma Wastewater Treatment Plant 2001 Biochemical Oxygen Demand



Point Loma Wastewater Treatment Plant 2001 Biochemical Oxygen Demand (mg/L)

| | Jan | | Feb | | Mar | | Apr | | May | | Jun | | Jul | | Aug | | Sep | | Oct | | Nov | | Dec | |
|----------|----------------|--------------|----------------|---------------|----------------|----------------|----------------|---------------|-------|---------------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|--------------|----------------|--------------|----------------|---------------|
| Day | InfE | ff | Inf l | Eff 1 | lnf l | Eff] | Inf 1 | Eff | Inf 1 | Eff | Inf l | Eff | Inf | Eff | Inf | Eff | Inf I | Eff | Inf E | ff 1 | Inf E | eff 1 | [nf] | Eff |
| 1 | 264.0 | 90.7 | 236.0 | 86.7 | 208.0 | 97.9 | 291.0 | 118.0 | 279.0 | 106.0 | | | 245.0 | 100.0 | | 107.0 | 283.0 | 88.4 | 260.0 | 83.1 | 270.0 | 88.9 | 257.0 | 101.0 |
| 2 | 318.0 | 86.7 | 260.0 | 93.6 | 222.0 | 100.0 | 274.0 | 89.9 | 283.0 | 103.0 | 252.0 | 00.4 | 235.0 | 101.0 | | 116.0 | 264.0 | 81.0 | 243.0 | 87.5 | 259.0 | 73.0 | 229.0 | 90.3 |
| 3 | 323.0 | 84.1 | 258.0 | 102.0 | 232.0 | 100.0 | 268.0 277.0 | 93.8 | 265.0 | 93.3 105.0 | | 90.4 | 272.0 | 106.0 | 256.0 | 99.8 | 268.0 | 100.0 | 258.0 | 77.5 82.6 | 252.0 | 80.1 | 232.0 | 81.7 82.4 |
| 4 | | | 232.0 | 100.0 | 210.0 | 100.0 | | 93.9 | 273.0 | | 233.0 | 82.5 | 273.0 | 108.0 | 248.0 | 101.0 | 281.0 | 105.0 | 252.0 | 83.6 86 4 | 274.0 | 95.0 | 209.0 | |
| 5 | 255.0 | 86.1 | 208.0 257.0 | 101.0 82.8 | 219.0 195.0 | 100.0 83.9 | 290.0 270.0 | 107.0 98.1 | 280.0 | 97.1 | 277.0 261.0 | 95.2 88.8 | 278.0 309.0 | 77.5 98.2 | 245.0 276.0 | 95.3 116.0 | 263.0 261.0 | 99.3 115.0 | 262.0 272.0 | 86.4 83.3 | 248.0 252.0 | 90.0 84.0 | 268.0 223.0 | 85.2 79.1 |
| 7 | 235.0 246.0 | 91.1 | 237.0 | 02.0 | 173.0 | 77.8 | 265.0 | 94.9 | 313.0 | 120.0 | 246.0 | 73.2 | 270.0 | 97.2 | 270.0 | 107.0 | 260.0 | 113.0 | 272.0 | 92.3 | 264.0 | 85.7 | 262.0 | 83.3 |
| , 8 | 278.0 | 86.6 | 207.0 | 93.9 | 190.0 | 89.9 | 265.0 | 98.0 | 515.0 | 120.0 | 250.0 | 75.0 | 248.0 | 88.5 | | 107.0 | 270.0 | 116.0 | 261.0 | 94.1 | 248.0 | 74.9 | 241.0 | 80.0 |
| 9 | 273.0 | 73.2 | 232.0 | 92.9 | 237.0 | 98.5 | 274.0 | 97.7 | 252.0 | 92.4 | | 73.6 | 251.0 | 83.3 | | 107.0 | 257.0 | 118.0 | 250.0 | 84.9 | 280.0 | 79.0 | 216.0 | 76.4 |
| 10 | | | 251.0 | 106.0 | 220.0 | 91.4 | 250.0 | 78.5 | 281.0 | 106.0 | 233.0 | 75.1 | 285.0 | 91.8 | | 94.7 | 241.0 | 99.0 | 257.0 | 79.5 | 243.0 | 77.5 | 220.0 | 75.9 |
| 11 | 184.0 | 66.5 | 244.0 | 111.0 | 217.0 | 112.0 | 299.0 | 82.3 | 301.0 | 101.0 | 219.0 | 67.7 | 259.0 | 93.0 | | 106.0 | 224.0 | 92.3 | 258.0 | 81.8 | 265.0 | 77.9 | 242.0 | 80.9 |
| 12 | 196.0 | 63.9 | 209.0 | 95.3 | | | 251.0 | 109.0 | 301.0 | 114.0 | 236.0 | 77.1 | 263.0 | 72.7 | 261.0 | 104.0 | 255.0 | 87.1 | 248.0 | 80.1 | 280.0 | 88.0 | 234.0 | 73.8 |
| 13 | 198.0 | 63.8 | 218.0 | 93.8 | 165.0 | 83.5 | 280.0 | 85.4 | 271.0 | 104.0 | 237.0 | 77.0 | 261.0 | 96.4 | 279.0 | 99.6 | 225.0 | 85.3 | 252.0 | 93.3 | 254.0 | 75.4 | 221.0 | 65.3 |
| 14 | 259.0 | 81.5 | 183.0 | 79.8 | 197.0 | 92.5 | 287.0 | 94.8 | 295.0 | 121.0 | 207.0 | 80.1 | 272.0 | 99.6 | 252.0 | 115.0 | 269.0 | 89.0 | 261.0 | 100.0 | 280.0 | 79.7 | 235.0 | 80.0 |
| 15 | 241.0 | 90.9 | 267.0 | 97.3 | 205.0 | 103.0 | 264.0 | 99.2 | 277.0 | 99.0 | 271.0 | 81.8 | 262.0 | 87.2 | 272.0 | 106.0 | 279.0 | 96.5 | 247.0 | 89.8 | 283.0 | 70.7 | 220.0 | 79.5 |
| 16 | 219.0 | 85.8 | 282.0 | 108.0 | 250.0 | 112.0 | 269.0 | 95.4 | 288.0 | 104.0 | 228.0 | 90.3 | 289.0 | 86.9 | 256.0 | 121.0 | 228.0 | 96.5 | 249.0 | 88.7 | 247.0 | 67.8 | 292.0 | 89.6 |
| 17 | 239.0 | 71.9 | 236.0 | 99.6 | 189.0 | 98.1 | 251.0 | 100.0 | 314.0 | 99.4 | 232.0 | 102.0 | 266.0 | 97.5 | 268.0 | 82.5 | 277.0 | 97.5 | 259.0 | 86.7 | 254.0 | 75.6 | 237.0 | 89.1 |
| 18 | 208.0 | 75.0 | 243.0 | 110.0 | 222.0 | 92.7 | 275.0 | 94.7 | 266.0 | 97.8 | 274.0 | 123.0 | 261.0 | 99.6 | 243.0 | 93.2 | 262.0 | 102.0 | 256.0 | 92.1 | 226.0 | 79.7 | 240.0 | 84.3 |
| 19 | 231.0 | 68.8 | 280.0 | 119.0 | 245.0 | 120.0 | 265.0 | 96.5 | | | 241.0 | 111.0 | 274.0 | 94.7 | 291.0 | 94.8 | 282.0 | 103.0 | 245.0 | 104.0 | 245.0 | 82.0 | 247.0 | 81.5 |
| 20 | 217.0 | 72.9 | 256.0 | 105.0 | 245.0 | 104.0 | 287.0 | 93.5 | 264.0 | 107.0 | 232.0 | 111.0 | 269.0 | 84.5 | 266.0 | 95.0 | 255.0 | 84.7 | 247.0 | 117.0 | 242.0 | 82.8 | 253.0 | 109.0 |
| 21 | 212.0 | 82.7 | 213.0 | 86.2 | 267.0 | 106.0 | 277.0 | 90.5 | 268.0 | 105.0 | | | 268.0 | 82.9 | 260.0 | 95.4 | 275.0 | 84.5 | 262.0 | 111.0 | 299.0 | 83.7 | 263.0 | 104.0 |
| 22 | 215.0 | 85.7 | 221.0 | 86.0 | 252.0 | 120.0 | 247.0 | 90.6 | 248.0 | 96.2 | 241.0 | 104.0 | 261.0 | 75.0 | 264.0 | 91.2 | 259.0 | 88.7 | 260.0 | 112.0 | 273.0 | 88.3 | 241.0 | 96.4 |
| 23 | 218.0 | 85.3 | 225.0 | 89.7 | 250.0 | 119.0 | 276.0 | 97.9 | 240.0 | | 256.0 | 102.0 | 251.0 | 98.1 | 298.0 | 88.5 | 257.0 | 90.5 | 250.0 | 96.9 | 265.0 | 83.4 | 242.0 | 92.0 |
| 24 | 222.0 | 85.8 | 207.0 | 91.5 | 277.0 | 135.0 | 254.0 | 89.0 | 248.0 | 71.8 | 275.0 | 111.0 | 265.0 | 92.0 | 254.0 | 91.8 | 265.0 | 96.1 | 258.0 | 94.0 | 255.0 | 88.4 | 237.0 | 98.4 |
| 25 | 256.0 | 88.1 | 232.0 | 97.5 95.4 | 270.0 | 126.0 | 248.0 | 73.1 | | | 287.0 | 98.2 120.0 | 257.0 | 104.0 | 241.0 262.0 | 85.4 100.0 | 262.0 | 91.2 | 250.0 | 85.8 | 248.0 | 83.1 | 250.0 | 98.5 |
| 26 27 | 263.0 232.0 | 82.6 88.1 | 194.0 178.0 | 85.4 83.6 | 291.0 268.0 | 122.0 116.0 | 273.0 | 99.9 | 291.0 | 98.6 | 271.0 256.0 | 96.1 | 286.0 292.0 | 104.0 117.0 | 262.0 | 133.0 | 249.0 264.0 | 74.0 86.8 | 265.0 244.0 | 85.4 89.2 | 245.0 241.0 | 81.3 84.8 | 282.0 251.0 | 103.0 98.6 |
| 27 | 232.0 | 94.5 | 194.0 | 83.4 | 208.0 | 119.0 | 284.0 | 99.8 | 291.0 | 98.0 | 230.0 | 117.0 | 292.0 | 120.0 | 268.0 | 109.0 | 240.0 | 69.5 | 244.0 | 96.7 | 241.0 | 80.1 | 251.0 | 95.0 |
| 20 29 | 222.0 | 95.6 | 1)4.0 | 05.4 | 250.0 | 117.0 | 276.0 | 93.1 | 264.0 | 97.2 | 282.0 | 104.0 | 229.0 | 102.0 | 246.0 | 96.9 | 253.0 | 74.1 | 278.0 | 94.6 | 234.0 | 82.8 | 254.0 | 96.2 |
| 30 | 229.0 | 83.7 | | | 293.0 | 129.0 | 268.0 | 93.0 | 201.0 | 27.2 | 277.0 | 114.0 | 271.0 | 113.0 | | 91.7 | 246.0 | 89.3 | 230.0 | 76.6 | 268.0 | 96.4 | | 94.9 |
| 31 | 213.0 | 83.9 | | | 282.0 | 113.0 | 200.0 | 20.0 | 265.0 | 91.7 | 277.0 | 111.0 | 240.0 | 90.0 | 260.0 | 93.2 | 210.0 | 07.5 | 253.0 | 73.8 | 200.0 | 20.1 | 212.0 | 21.2 |
| | 237.9 | 82.0 | 230.5 | 95.6 | 235.2 | 106.4 | 270.9 | 94.7 | 277.7 | 101.3 | 251.3 | 94.1 | 265.7 | 95.5 | 262.5 | 101.4 | 259.1 | 93.8 | 255.0 | 90.4 | 257.5 | 82.0 | 243.0 | 88.2 |
| Min | 184.0 | 63.8 | 178.0 | 79.8 | 165.0 | 77.8 | 247.0 | 73.1 | 248.0 | 71.8 | 207.0 | 67.7 | 229.0 | 72.7 | 239.0 | 82.5 | 224.0 | 69.5 | 230.0 | 73.8 | 226.0 | 67.8 | 209.0 | 65.3 |
| Max | 323.0 | 95.6 | 282.0 | 119.0 | 293.0 | 135.0 | 299.0 | 118.0 | 314.0 | 121.0 | 287.0 | 123.0 | 309.0 | 120.0 | 298.0 | 133.0 | 283.0 | 118.0 | 278.0 | 117.0 | 299.0 | 96.4 | 292.0 | 109.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

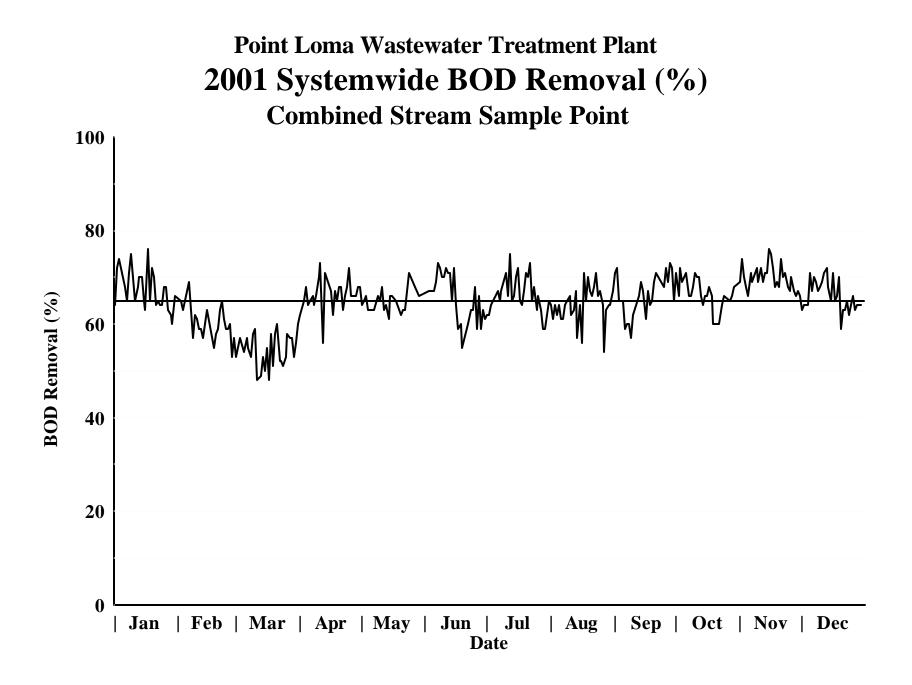
Point Loma Wastewater Treatment Plant 2001 BOD Removal (%) at Point Loma



Point Loma Wastewater Treatment Plant 2001 Biochemical Oxygen Demand Removals (%) at Pt. Loma

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | % Rem |
| 1 | 65.6 | 63.3 | 52.9 | 59.5 | 62.0 | | 59.2 | 61.5 | 68.8 | 68.0 | 67.1 | 60.7 |
| 2 | 72.7 | 64.0 | | 67.2 | 63.6 | | 57.0 | 58.3 | 69.3 | 64.0 | 71.8 | 60.6 |
| 3 | 74.0 | 60.5 | 56.9 | 65.0 | 64.8 | 64.3 | 61.0 | 61.0 | 62.7 | 70.0 | 68.2 | 64.8 |
| 4 | | 56.9 | | 66.1 | 61.5 | 64.6 | 60.4 | 59.3 | 62.6 | 66.8 | 65.3 | 60.6 |
| 5 | | 51.4 | 54.3 | 63.1 | 65.3 | 65.6 | 72.1 | 61.1 | 62.2 | 67.0 | 63.7 | 68.2 |
| 6 | 66.2 | 67.8 | 57.0 | 63.7 | | 66.0 | 68.2 | 58.0 | 55.9 | 69.4 | 66.7 | 64.5 |
| 7 | 63.0 | | 55.0 | 64.2 | 61.7 | 70.2 | 64.0 | 57.9 | 56.5 | 63.8 | 67.5 | 68.2 |
| 8 | 68.8 | 54.6 | 52.7 | 63.0 | | 70.0 | 64.3 | 59.9 | 57.0 | 63.9 | 69.8 | 66.8 |
| 9 | 73.2 | 60.0 | 58.4 | 64.3 | 63.3 | 67.4 | 66.8 | 61.8 | 54.1 | 66.0 | 71.8 | 64.6 |
| 10 | | 57.8 | 58.5 | 68.6 | 62.3 | 67.8 | 67.8 | 63.4 | 58.9 | 69.1 | 68.1 | 65.5 |
| 11 | 63.9 | 54.5 | 48.4 | 72.5 | 66.4 | 69.1 | 64.1 | 58.1 | 58.8 | 68.3 | 70.6 | 66.6 |
| 12 | 67.4 | 54.4 | | 56.6 | 62.1 | 67.3 | 72.4 | 60.2 | 65.8 | 67.7 | 68.6 | 68.5 |
| 13 | 67.8 | 57.0 | 49.4 | 69.5 | 61.6 | 67.5 | 63.1 | 64.3 | 62.1 | 63.0 | 70.3 | 70.5 |
| 14 | 68.5 | 56.4 | 53.0 | 67.0 | 59.0 | 61.3 | 63.4 | 54.4 | 66.9 | 61.7 | 71.5 | 66.0 |
| 15 | 62.3 | 63.6 | 49.8 | 62.4 | 64.3 | 69.8 | 66.7 | 61.0 | 65.4 | 63.6 | 75.0 | 63.9 |
| 16 | 60.8 | 61.7 | 55.2 | 64.5 | 63.9 | 60.4 | 69.9 | 52.7 | 57.7 | 64.4 | 72.6 | 69.3 |
| 17 | 69.9 | 57.8 | 48.1 | 60.2 | 68.3 | 56.0 | 63.3 | 69.2 | 64.8 | 66.5 | 70.2 | 62.4 |
| 18 | 63.9 | 54.7 | 58.2 | 65.6 | 63.2 | 55.1 | 61.8 | 61.6 | 61.1 | 64.0 | 64.7 | 64.9 |
| 19 | 70.2 | 57.5 | 51.0 | 63.6 | | 53.9 | 65.4 | 67.4 | 63.5 | 57.6 | 66.5 | 67.0 |
| 20 | 66.4 | 59.0 | 57.6 | 67.4 | 59.5 | 52.2 | 68.6 | 64.3 | 66.8 | 52.6 | 65.8 | 56.9 |
| 21 | 61.0 | 59.5 | 60.3 | 67.3 | 60.8 | | 69.1 | 63.3 | 69.3 | 57.6 | 72.0 | 60.5 |
| 22 | 60.1 | 61.1 | 52.4 | 63.3 | 61.2 | 56.8 | 71.3 | 65.5 | 65.8 | 56.9 | 67.7 | 60.0 |
| 23 | 60.9 | 60.1 | 52.4 | 64.5 | | 60.2 | 60.9 | 70.3 | 64.8 | 61.2 | 68.5 | 62.0 |
| 24 | 61.4 | 55.8 | 51.3 | 65.0 | 71.0 | 59.6 | 65.3 | 63.9 | 63.7 | 63.6 | 65.3 | 58.5 |
| 25 | 65.6 | 58.0 | 53.3 | 70.5 | | 65.8 | 59.5 | 64.6 | 65.2 | 65.7 | 66.5 | 60.6 |
| 26 | 68.6 | 56.0 | 58.1 | 63.4 | | 55.7 | 63.6 | 61.8 | 70.3 | 67.8 | 66.8 | 63.5 |
| 27 | 62.0 | 53.0 | 56.7 | | 66.1 | 62.5 | 59.9 | 49.8 | 67.1 | 63.4 | 64.8 | 60.7 |
| 28 | 58.9 | 57.0 | 57.0 | 64.9 | | 58.8 | 56.2 | 59.3 | 71.0 | 63.4 | 65.8 | 62.2 |
| 29 | 56.9 | | 53.2 | 66.3 | 63.2 | 63.1 | 55.5 | 60.6 | 70.7 | 66.0 | 64.2 | 62.1 |
| 30 | 63.4 | | 56.0 | 65.3 | | 58.8 | 58.3 | 61.6 | 63.7 | 66.7 | 64.0 | 60.8 |
| 31 | 60.6 | | 59.9 | | 65.4 | | 62.5 | 64.2 | | 70.8 | | |
| | 55.1 | 58.3 | 54.5 | 65.0 | 63.5 | 62.6 | 63.9 | 61.3 | 63.7 | 64.5 | 68.0 | 63.7 |
| 5 | 56.9 | 51.4 | 48.1 | 56.6 | 59.0 | 52.2 | 55.5 | 49.8 | 54.1 | 52.6 | 63.7 | 56.9 |
| 7 | 74.0 | 67.8 | 60.3 | 72.5 | 71.0 | 70.2 | 72.4 | 70.3 | 71.0 | 70.8 | 75.0 | 70.5 |

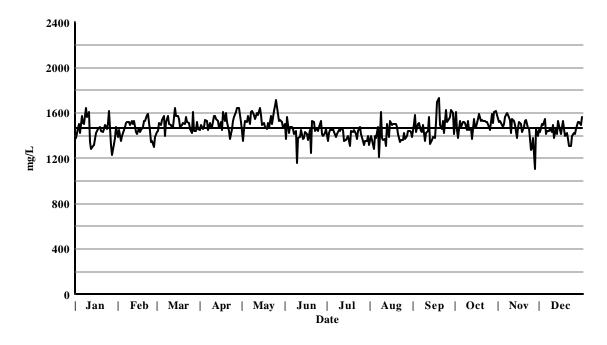
Avg Min Max



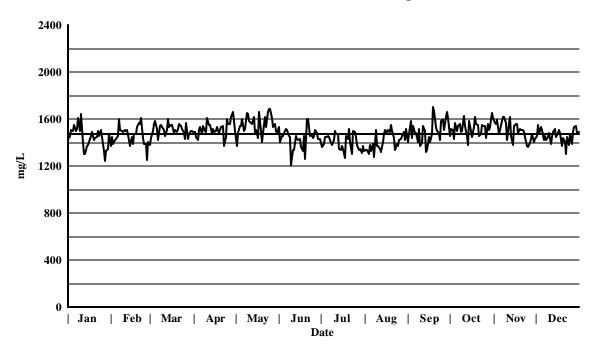
Point Loma Wastewater Treatment Plant 2001 BOD Systemwide Removals (%) Combined Stream Sample Point

| | Jar | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|----------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------|--------------|--------------|--------------|
| Day | % Ren | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem | % Rem |
| 1 | 64.0 | | 53.0 | 62.0 | 64.0 | | 62.0 | 64.0 | 71.0 | 71.0 | 69.0 | 63.0 |
| 2 | 72.0 | 65.0 | | | 65.0 | | 62.0 | 61.0 | 72.0 | 66.0 | 74.0 | 64.0 |
| 3 | 74.0 | 63.0 | 57.0 | 65.0 | 66.0 | 67.0 | 64.0 | 64.0 | 65.0 | 72.0 | 70.0 | |
| 4 | | | | 68.0 | 63.0 | | | 62.0 | 65.0 | 69.0 | 68.0 | 64.0 |
| 5 | | | 54.0 | 64.0 | | 67.0 | | 64.0 | 65.0 | | 66.0 | 71.0 |
| 6 | 68.0 | 69.0 | 57.0 | 65.0 | | 69.0 | 67.0 | 61.0 | 59.0 | 71.0 | 71.0 | 67.0 |
| 7 | 65.0 | | 55.0 | 66.0 | 63.0 | 73.0 | 65.0 | 61.0 | 60.0 | 66.0 | 69.0 | 70.0 |
| 8 | 71.0 | 57.0 | 53.0 | 64.0 | | 72.0 | 67.0 | 64.0 | 60.0 | 66.0 | | 69.0 |
| 9 | 75.0 | 62.0 | 58.0 | 66.0 | 66.0 | 70.0 | | 65.0 | 57.0 | 68.0 | 72.0 | 67.0 |
| 10 | | 61.0 | 59.0 | 70.0 | 65.0 | 70.0 | 71.0 | 66.0 | 62.0 | 71.0 | 69.0 | 68.0 |
| 11 | 65.0 | 59.0 | 48.0 | 73.0 | 68.0 | 72.0 | 66.0 | 62.0 | | 70.0 | 72.0 | 69.0 |
| 12 | 68.0 | 59.0 | 10.0 | 56.0 | 63.0 | 71.0 | 75.0 | 63.0 | | 70.0 | 69.0 | 71.0 |
| 13 | 70.0 | 57.0 | 49.0 | 71.0 | 64.0 | 71.0 | 65.0 | 67.0 | 66.0 | 66.0 | 71.0 | 72.0 |
| 14 | 70.0 | 10 0 | 53.0 | | 61.0 | 65.0 | 66.0 | 57.0 | 69.0 | 64.0 | 71.0 | 68.0 |
| 15 | 65.0 | 63.0 | 50.0 | (7) | 66.0 | 72.0 | 70.0 | 64.0 | 67.0 | 66.0 | 76.0 | 65.0 |
| 16 | 63.0 | | 55.0 | 67.0 | 66.0 | 64.0 | 72.0 | 56.0 | 61.0 | 66.0 | 75.0 | 71.0 |
| 17 | 76.0 | | 48.0 | 62.0 | 67 0 | 59.0 | 65.0 | 71.0 | 67.0 | 68.0 | 72.0 | 65.0 |
| 18 | 65.0 | 55.0 | 58.0 | 67.0 | 65.0 | 60.0 | 64.0 | 65.0 | 64.0 | 66.0 | 68.0 | 66.0 |
| 19 | 72.0 | 58.0 | 51.0 | 65.0 | (2) | 55.0 | 67.0 | 70.0 | 65.0 | 60.0 | 69.0 | 70.0 |
| 20 | 70.0 | 59.0 | 58.0 | 68.0 | 62.0 | | 71.0 | 67.0 | 69.0 | | 68.0 | 59.0 |
| 21 | 64.0 | 63.0 | 60.0 | 68.0 | 63.0 | 60.0 | 70.0 | 66.0 | 71.0 | 60 0 | 74.0 | 63.0 |
| 22 | 65.0 | 65.0 | 52.0 | 63.0 | 63.0 | 60.0 | 73.0 | 68.0 | | 60.0 64.0 | 70.0 71.0 | 63.0 65.0 |
| 23 | 64.0 | 61.0 | 52.0 | 66.0 | 71.0 | 63.0 | 65.0 | 71.0 | | | | |
| 24 25 | 64.0 68.0 | 59.0 59.0 | 51.0 53.0 | 68.0 72.0 | 71.0 | 63.0 68.0 | 68.0 63.0 | 66.0 67.0 | 68.0 | 66.0 | 68.0 67.0 | 62.0 64.0 |
| 23 26 | 68.0 | 59.0 60.0 | 58.0 | 66.0 | | 59.0 | 66.0 | 64.0 | 72.0 | | 70.0 | 66.0 |
| 20 | 63.0 | 53.0 | 57.0 | 00.0 | 68.0 | 66.0 | 63.0 | 54.0 | 69.0 | 65.0 | 67.0 | 63.0 |
| 27 | 62.0 | 57.0 | 57.0 | 66.0 | 08.0 | 59.0 | 59.0 | 63.0 | 73.0 | 66.0 | 66.0 | 64.0 |
| 28 29 | 60.0 | 57.0 | 53.0 | 68.0 | 66.0 | 63.0 | 59.0 | 64.0 | 73.0 | 68.0 | 67.0 | 64.0 |
| 29 30 | 66.0 | | 55.0 56.0 | 68.0 68.0 | 00.0 | 63.0 61.0 | 62.0 | 64.0 64.0 | 65.0 | 08.0 | 67.0 66.0 | 64.0 64.0 |
| 31 | 00.0 | | 60.0 | 08.0 | | 01.0 | 65.0 | 67.0 | 05.0 | | 00.0 | 04.0 |
| | 67.3 | 60.2 | 54.5 | 66.3 | 64.9 | 65.6 | 66.1 | 64.1 | 66.2 | 66.9 | 69.8 | 66.1 |
| | 60.0 | 53.0 | 48.0 | 56.0 | 61.0 | 55.0 | 59.0 | 54.0 | 57.0 | 60.0 | 66.0 | 59.0 |
| | 76.0 | 69.0 | 48.0 60.0 | 73.0 | 71.0 | 73.0 | 75.0 | 71.0 | 73.0 | 72.0 | 76.0 | 72.0 |
| | 10.0 | 07.0 | 00.0 | 75.0 | /1.0 | 75.0 | 75.0 | /1.0 | 75.0 | 72.0 | 70.0 | 12.0 |

Point Loma Influent 2001 Total Dissolved Solids (mg/L)



Point Loma Effluent
2001 Total Dissolved Solids (mg/L)



Pt. Loma Wastewater Treatment Plant 2001 Total Dissolved Solids (mg/L)

| | Jan | | Feb | | Mar | | Apr | | May | | Jun | | Jul | | Aug | | Sep | | Oct | | Nov | | Dec | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|------|
| Day | InfE | Eff I | lnf E | Eff I | nf E | Eff I | nf E | lff I | nf E | Eff I | nf E | Eff I | nf E | Eff 1 | lnf I | Eff | Inf E | Eff I | nf E | lff I | nf E | Eff I | lnf I | Eff |
| 1 | 1380 | 1440 | 1450 | 1450 | 1440 | 1440 | 1490 | 1490 | 1350 | 1370 | 1370 | 1410 | 1350 | 1360 | 1400 | 1340 | 1500 | 1470 | 1610 | 1520 | 1520 | 1570 | 1430 | 1460 |
| 2 | 1420 | 1460 | 1350 | 1390 | 1510 | 1500 | 1460 | 1450 | 1460 | 1480 | 1560 | 1460 | 1420 | 1390 | 1360 | 1340 | 1580 | 1580 | 1450 | 1510 | 1530 | 1560 | 1500 | 1550 |
| 3 | 1500 | 1510 | 1400 | 1420 | 1490 | 1560 | 1480 | 1420 | 1530 | 1540 | 1420 | 1460 | 1450 | 1450 | 1280 | 1300 | 1430 | 1440 | 1380 | 1430 | 1510 | 1590 | 1490 | 1470 |
| 4 | 1420 | 1500 | 1420 | 1430 | 1540 | 1580 | 1540 | 1510 | 1520 | 1540 | 1480 | 1480 | 1450 | 1450 | 1400 | 1380 | 1500 | 1540 | 1530 | 1570 | 1480 | 1470 | 1550 | 1530 |
| 5 | 1570 | 1550 | 1480 | 1460 | 1570 | 1520 | 1530 | 1530 | 1570 | 1600 | 1480 | 1520 | 1460 | 1460 | 1380 | 1330 | 1510 | 1480 | 1480 | 1500 | 1500 | 1510 | 1410 | 1510 |
| 6 | 1510 | 1500 | 1510 | 1600 | 1400 | 1420 | 1450 | 1470 | 1500 | 1500 | 1460 | 1510 | 1430 | 1450 | 1480 | 1390 | 1440 | 1480 | 1520 | 1540 | 1560 | 1580 | 1440 | 1420 |
| 7 | 1500 | 1520 | 1520 | 1510 | 1520 | 1540 | 1510 | 1540 | 1610 | 1520 | 1410 | 1460 | 1390 | 1400 | 1210 | 1280 | 1430 | 1410 | 1520 | 1560 | 1600 | 1620 | 1440 | 1460 |
| 8 | 1640 | 1610 | 1520 | 1500 | 1570 | 1550 | 1480 | 1500 | 1620 | 1650 | 1440 | 1450 | 1410 | 1380 | 1610 | 1510 | 1490 | 1520 | 1510 | 1490 | 1580 | 1620 | 1460 | 1420 |
| 9 | 1560 | 1500 | 1490 | 1490 | 1500 | 1530 | 1480 | 1490 | 1580 | 1640 | 1160 | 1210 | 1450 | 1420 | 1380 | 1370 | 1350 | 1370 | 1450 | 1500 | 1540 | 1570 | 1430 | 1450 |
| 10 | 1610 | 1640 | 1530 | 1510 | 1490 | 1510 | 1570 | 1610 | 1550 | 1580 | 1380 | 1340 | 1440 | 1500 | 1360 | 1370 | 1420 | 1400 | 1530 | 1630 | 1420 | 1420 | 1490 | 1480 |
| 11 | 1340 | 1400 | 1500 | 1500 | 1470 | 1460 | 1570 | 1550 | 1600 | 1570 | 1390 | 1340 | 1470 | 1470 | 1370 | 1350 | 1440 | 1540 | 1450 | 1540 | 1550 | 1560 | 1380 | 1390 |
| 12 | 1280 | 1300 | 1530 | 1510 | 1480 | 1510 | 1550 | 1550 | 1580 | 1560 | 1450 | 1460 | 1450 | 1470 | 1310 | 1320 | 1560 | 1500 | 1470 | 1460 | 1530 | 1620 | 1470 | 1450 |
| 13 | 1310 | 1300 | 1430 | 1420 | 1640 | 1600 | 1530 | 1480 | 1640 | 1620 | 1370 | 1430 | 1350 | 1350 | 1500 | 1410 | 1330 | 1320 | 1370 | 1380 | 1490 | 1460 | 1410 | 1490 |
| 14 | 1320 | 1370 | 1410 | 1370 | 1570 | 1530 | 1470 | 1520 | 1580 | 1480 | 1380 | 1420 | 1360 | 1340 | 1390 | 1470 | 1360 | 1340 | 1550 | 1580 | 1380 | 1380 | 1530 | 1520 |
| 15 | 1420 | 1380 | 1470 | 1450 | 1570 | 1550 | 1520 | 1490 | 1490 | 1510 | 1430 | 1430 | 1380 | 1370 | 1530 | 1510 | 1390 | 1450 | 1480 | 1500 | 1470 | 1540 | 1450 | 1450 |
| 16 | 1440 | 1430 | 1430 | 1390 | 1550 | 1550 | 1450 | 1500 | 1510 | 1440 | 1410 | 1360 | 1400 | 1350 | 1490 | 1480 | 1380 | 1410 | 1480 | 1450 | 1520 | 1560 | 1410 | 1480 |
| 17 | 1460 | 1460 | 1450 | 1470 | 1480 | 1480 | 1610 | 1530 | 1480 | 1660 | 1360 | 1330 | 1310 | 1270 | 1500 | 1510 | 1510 | 1470 | 1550 | 1530 | 1500 | 1560 | 1530 | 1510 |
| 18 | 1480 | 1490 | 1480 | 1470 | 1490 | 1510 | 1530 | 1480 | 1460 | 1500 | 1450 | 1460 | 1440 | 1460 | 1500 | 1490 | 1700 | 1700 | 1590 | 1620 | 1430 | 1480 | 1460 | 1480 |
| 19 | 1440 | 1420 | 1530 | 1530 | 1510 | 1490 | 1600 | 1510 | 1510 | 1410 | 1250 | 1260 | 1430 | 1430 | 1500 | 1550 | 1730 | 1670 | 1530 | 1560 | 1480 | 1520 | 1400 | 1370 |
| 20 | 1430 | 1440 | 1530 | 1570 | 1500 | 1520 | 1520 | 1530 | 1470 | 1480 | 1530 | 1600 | 1450 | 1520 | 1480 | 1500 | 1490 | 1530 | 1540 | 1550 | 1530 | 1510 | 1420 | 1440 |
| 21 | 1460 | 1450 | 1580 | 1560 | 1560 | 1560 | 1440 | 1540 | 1570 | 1620 | 1520 | 1600 | 1410 | 1410 | 1410 | 1440 | 1460 | 1500 | 1530 | 1460 | 1540 | 1510 | 1370 | 1410 |
| 22 | 1490 | 1500 | 1590 | 1610 | 1520 | 1540 | 1370 | 1370 | 1500 | 1530 | 1440 | 1460 | 1370 | 1300 | 1340 | 1340 | 1530 | 1480 | 1530 | 1470 | 1470 | 1490 | 1310 | 1300 |
| 23 | 1460 | 1460 | 1440 | 1440 | 1510 | 1520 | 1460 | 1450 | 1620 | 1660 | 1470 | 1470 | 1440 | 1500 | 1360 | 1390 | 1420 | 1420 | 1520 | 1550 | 1470 | 1450 | 1310 | 1450 |
| 24 | 1510 | 1510 | 1340 | 1390 | 1460 | 1480 | 1530 | 1600 | 1660 | 1690 | 1440 | 1440 | 1480 | 1490 | 1360 | 1370 | 1630 | 1580 | 1520 | 1540 | 1270 | 1370 | 1400 | 1380 |
| 25 | 1620 | 1450 | 1350 | 1390 | 1420 | 1430 | 1560 | 1560 | 1710 | 1690 | 1480 | 1460 | 1410 | 1450 | 1420 | 1420 | 1520 | 1590 | 1480 | 1540 | 1290 | 1360 | 1420 | 1470 |
| 26 | 1320 | 1330 | 1300 | 1250 | 1610 | 1570 | 1610 | 1560 | 1590 | 1610 | 1530 | 1510 | 1350 | 1380 | 1370 | 1430 | 1550 | 1510 | 1450 | 1440 | 1380 | 1400 | 1410 | 1390 |
| 27 | 1230 | 1240 | 1390 | 1410 | 1440 | 1430 | 1640 | 1620 | 1530 | 1530 | 1410 | 1480 | 1320 | 1340 | 1400 | 1460 | 1560 | 1620 | 1590 | 1560 | 1110 | 1430 | 1460 | 1490 |
| 28 | 1330 | 1330 | 1430 | 1380 | 1440 | 1470 | 1640 | 1660 | 1540 | 1560 | 1400 | 1430 | 1350 | 1350 | 1440 | 1490 | 1630 | 1660 | 1510 | 1510 | 1460 | 1470 | 1520 | 1530 |
| 29 | 1380 | 1350 | | | 1520 | 1500 | 1580 | 1580 | 1520 | 1500 | 1420 | 1430 | 1350 | 1310 | 1440 | 1420 | 1600 | 1610 | 1610 | 1530 | 1400 | 1410 | 1520 | 1540 |
| 30 | 1480 | 1470 | | | 1460 | 1500 | 1520 | 1500 | 1470 | 1480 | 1460 | 1400 | 1400 | 1370 | 1430 | 1520 | 1410 | 1460 | 1620 | 1650 | 1450 | 1430 | 1490 | 1480 |
| 31 | 1390 | 1370 | | | 1450 | 1490 | | | 1500 | 1530 | | | 1320 | 1330 | 1390 | 1410 | | | 1580 | 1610 | | | 1560 | 1490 |
| Avg 1 | 1442 | 1441 | 1459 | 1460 | 1506 | 1511 | 1523 | 1520 | 1543 | 1550 | 1425 | 1436 | 1403 | 1404 | 1413 | 1416 | 1495 | 1502 | 1514 | 1525 | 1465 | 1501 | 1447 | 1460 |
| Min 1 | 1230 | 1240 | 1300 | 1250 | 1400 | 1420 | 1370 | 1370 | 1350 | 1370 | 1160 | 1210 | 1310 | 1270 | 1210 | 1280 | 1330 | 1320 | 1370 | 1380 | 1110 | 1360 | 1310 | 1300 |
| Max 1 | 1640 | 1640 | 1590 | 1610 | 1640 | 1600 | 1640 | 1660 | 1710 | 1690 | 1560 | 1600 | 1480 | 1520 | 1610 | 1550 | 1730 | 1700 | 1620 | 1650 | 1600 | 1620 | 1560 | 1550 |
| 19 20 21 22 23 24 25 26 27 28 29 30 31 Avg 1 Min 1 | 1440 1430 1460 1490 1460 1510 1620 1320 1230 1330 1380 1480 1390 1442 1230 | 1420 1440 1450 1500 1460 1510 1450 1330 1240 1330 1350 1470 1370 1441 1240 | 1530 1530 1580 1590 1440 1340 1350 1300 1390 1430 | 1530 1570 1560 1610 1440 1390 1250 1410 1380 1460 1250 | 1510 1500 1560 1520 1510 1460 1420 1610 1440 1440 1520 1460 1450 1506 1400 | 1490 1520 1560 1540 1520 1480 1430 1430 1470 1500 1500 1500 1490 1511 1420 | 1600 1520 1440 1370 1460 1530 1560 1610 1640 1640 1580 1520 1523 1370 | 1510 1530 1540 1370 1450 1600 1560 1620 1660 1580 1500 1520 1370 | 1510 1470 1570 1620 1660 1710 1590 1530 1540 1520 1470 1500 1543 1350 | 1410 1480 1620 1530 1660 1690 1610 1530 1560 1500 1480 1530 1550 1370 | 1250 1530 1520 1440 1470 1440 1480 1530 1410 1400 1420 1460 | 1260 1600 1600 1460 1470 1440 1460 1510 1480 1430 1430 1430 1400 | 1430 1450 1410 1370 1440 1480 1410 1350 1350 1350 1350 1400 1320 1403 1310 | 1430 1520 1410 1300 1500 1450 1450 1380 1340 1350 1310 1370 1330 1404 1270 | 1500 1480 1410 1340 1360 1420 1370 1400 1440 1440 1440 1430 1390 1413 1210 | $\begin{array}{c} 1550\\ 1500\\ 1440\\ 1340\\ 1390\\ 1370\\ 1420\\ 1430\\ 1460\\ 1490\\ 1420\\ 1520\\ 1410\\ 1416\\ 1280\\ \end{array}$ | 1730 1490 1460 1530 1420 1630 1520 1550 1560 1630 1600 1410 1495 1330 | 1670 1530 1500 1480 1420 1580 1590 1510 1620 1660 1610 1460 1502 1320 | 1530 1540 1530 1520 1520 1480 1450 1590 1510 1610 1620 1580 1514 1370 | 1560 1550 1460 1470 1550 1540 1540 1540 1560 1510 1530 1650 1610 1525 1380 | 1480 1530 1540 1470 1270 1290 1380 1110 1460 1400 1450 1465 1110 | 1520 1510 1510 1490 1450 1370 1360 1400 1430 1470 1410 1430 1501 1360 | $\begin{array}{c} 1400\\ 1420\\ 1370\\ 1310\\ 1310\\ 1400\\ 1420\\ 1410\\ 1460\\ 1520\\ 1520\\ 1520\\ 1490\\ 1560\\ 1447\\ 1310\\ \end{array}$ | _ |

E. Toxicity Bioassays.

Point Loma Ocean Outfall 2001 Toxicity Testing

The City of San Diego conducts aquatic bioassays as required by the City's National Pollutant Discharge Elimination System permit (No. CA0107409 and Order No. 95-106). This testing is designed to determine the acute and chronic toxicity of effluent samples collected from the Point Loma Wastewater Treatment Plant. This chapter presents summaries and discussion of toxicity testing conducted in 2001.

Toxicity testing of wastewater effluent measures the bioavailability of toxicants in a complex mixture, accounts for synergistic and antagonistic actions, and integrates any potentially adverse effects of the mixture. Acute and chronic toxicity tests are characterized by the duration of exposure to a toxicant as well as the adverse effect (measured response) produced as the result of exposure to a toxicant. Acute toxicity testing consists of a short-term exposure period, usually 96 hours or less, and the acute effect refers to mortality of the test organism.

Chronic toxicity testing, in the classic sense, refers to long-term exposure of the test organism to a potential toxicant. This may involve exposing the test organism for its entire reproductive life cycle which may exceed 12 months for organisms such as fish. In general, chronic tests are inherently more sensitive to toxicants than acute tests in that adverse effects are detected at lower toxicant concentrations. The City of San Diego is required to conduct critical, or early lifestage chronic tests that are intermediate between the acute and chronic toxicity testing protocols discussed above. These test results serve as short-term estimates of chronic toxicity.

MATERIALS & METHODS

Test Material

Twenty-four hour, flow-weighted, effluent composite samples were collected at the Point Loma Wastewater Treatment Plant and stored at 4EC until test initiation. All tests were conducted within 36 hours of sample collection. The acute toxicity test concentrations were 18, 32, 56, 75, and 100% effluent for the fathead minnow and *Ceriodaphnia* (water flea) tests, and 3.87, 7.75, 15.5, 31.0, and 62% (nominal) for the topsmelt and mysid tests. Dilution water for the effluent acute toxicity bioassays consisted of carbon filtered, aerated, and dechlorinated tap water for the fathead minnow tests, and dilute mineral water for the *Ceriodaphnia* tests. Dilution water for the acute topsmelt and mysid tests consisted of the same receiving water used in the chronic toxicity tests.

Chronic toxicity test concentrations were 0.15, 0.27, 0.49, 0.88, and 1.56% effluent. The protocols for the chronic bioassays specify the use of unimpacted receiving water as dilution water. Receiving water was collected within 24 hours of test initiation at water quality station B8 (see City of San Diego 2002). The receiving water samples were collected from a depth of 2 m and stored at 15EC until test initiation. Dilution water for chronic reference toxicant testing was obtained from the Scripps Institution of Oceanography (SIO) within 96 hours of test initiation, filtered, and held at 15EC. Detailed methodology for all toxicity testing can be found in the City of San Diego (2000).

Acute Bioassays

Fathead Minnow Survival Bioassay

Fathead minnow acute bioassays were conducted in accordance with USEPA protocol EPA/600/4-85/013 (USEPA 1985). The test organisms, *Pimephales promelas*, were purchased from Aquatic Bio Systems (Fort Collins, Colorado). Juvenile fish approximately 60-90 days old were exposed for 96 hours to the test material while being kept in a static non-renewal system where the test solutions were aerated, but otherwise left undisturbed throughout the test period.

Simultaneous reference toxicant testing was performed using sodium dodecyl sulfate (SDS). Test concentrations were 10, 18 and 32 mg/L SDS. Upon the conclusion of the exposure period, percent survival was recorded.

Tests were declared valid if control mortality did not exceed 10%. The data were analyzed using a multiple comparison procedure and linear interpolation method prescribed by USEPA (1985). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Ceriodaphnia Survival Bioassay

Ceriodaphnia acute bioassays were conducted in accordance with USEPA protocol EPA/600/4-90/027F (USEPA 1993). The test organisms, *Ceriodaphnia dubia*, were cultured in-house at the bioassay laboratory. Newly released (< 24 hr) neonates were exposed for 48 hours to a series of effluent and reference toxicant concentrations while being kept in a static system.

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. The concentrations of copper in the exposure series were 3, 6, 12, 24 and 48 Fg/L. Upon conclusion of the exposure period, percent survival was recorded. Tests were declared valid if control mortality did not exceed 10%. The data were analyzed using a multiple comparison procedure and point estimation method prescribed by USEPA (1993). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Topsmelt Survival Bioassay

The topsmelt acute bioassay was conducted in accordance with USEPA protocol EPA/600/4-90/027F (USEPA 1993) by EVS Environment consultants (N. Vancouver, BC) and the City's bioassay laboratory. Larval *Atherinops affinis* (9-14 days old) were purchased from Aquatic Bio Systems (Fort Collins, CO), and were exposed for 48 hours in a static system to 3.83, 7.75, 15.5, 31.0 and 62% effluent (nominal).

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. Test concentrations consisted of 56, 100, 180, 320 and 560 Fg/L copper. Dilution water for chronic reference toxicant testing was obtained from SIO within 96 hours of test initiation, filtered, and held at 15EC. Upon conclusion of the exposure period, percent survival was recorded. Tests were declared valid if control mortality did not exceed 10%. The data were analyzed using a multiple comparison procedure and point estimation method prescribed by USEPA (1993). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Mysid Survival Bioassay

The mysid acute bioassay was conducted in accordance with USEPA protocol EPA/600/4-90/027F (USEPA 1993) by EVS Environment consultants (N. Vancouver, BC) and the City's bioassay laboratory. Larval *Mysidopsis bahia* (4-5 days old) were purchased from Aquatic Bio Systems (Fort Collins, CO), and were exposed for 48 hours in a static system to 3.83, 7.75, 15.5, 31.0 and 62% effluent (nominal).

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. Test concentrations consisted of 56, 100, 180, 320, and 560 Fg/L copper. Dilution water for chronic reference toxicant testing was obtained from SIO within 96 hours of test initiation, filtered, and held at 15EC. Upon conclusion of the exposure period, percent survival was recorded. Tests were declared valid if control mortality did not exceed 10%. The data were analyzed using a multiple comparison procedure and point estimation method prescribed by USEPA (1993). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Chronic Bioassays

Kelp Germination and Growth Test

Chronic bioassays using the giant kelp, *Macrocystis pyrifera*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Kelp zoospores were kept in a static system and exposed for 48 hours to a series of effluent and reference toxicant concentrations. Zoospores were obtained one day prior to test initiation from the reproductive blades (sporophylls) of adult *Macrocystis* plants collected in the kelp beds near La Jolla, California.

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. The concentrations of copper in the exposure series were 5.6, 10, 18, 32, 56, 100 and 180 Fg/L. A reference toxicant control consisting of SIO dilution water was also tested. Upon conclusion of the exposure period, percent germination and germ-tube length were recorded.

The data were analyzed in accordance with "Flowchart for statistical analysis of giant kelp, *Macrocystis pyrifera*, germination data" and "Flowchart for statistical analysis of giant kelp, *Macrocystis pyrifera*, growth data" (see USEPA 1995). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Red Abalone Development Bioassay

Chronic bioassays using the red abalone, *Haliotis rufescens*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Test organisms were purchased from Cultured Abalone (Goleta, California), and shipped via overnight delivery to the City's bioassay laboratory. Mature male and female abalone were placed in natural seawater tanks at 15EC. Prior to test initiation, spawning was induced and abalone eggs and sperm were retained for the analysis. Subsequently, the eggs were fertilized, and a known quantity of fertilized embryos was added to each test replicate at the beginning of the exposure period. The resulting abalone larvae were then exposed to the test material for a period of 48 hours while being maintained in a static system.

Simultaneous reference toxicant testing was performed using reagent grade zinc sulfate. The concentrations of zinc in the exposure series were 10, 18, 32, 56 and 100 Fg/L. A reference toxicant control consisting of SIO dilution water was also tested. Upon the conclusion of the exposure period, percent normal embryo development was recorded.

The percentage of normally developed embryos for each replicate was arcsine square root transformed. The data were analyzed in accordance with "Flowchart for statistical analysis of red abalone *Haliotis rufescens*, development data" (see USEPA 1995). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

Topsmelt Survival and Growth Bioassay

Chronic bioassays using larvae of the topsmelt, *Atherinops affinis*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Fish larvae were purchased from Aquatic Bio Systems (Fort Collins, CO), and shipped via overnight delivery to the City's bioassay laboratory. Prior to test initiation, the test organisms were held in seawater tanks at 20EC. The bioassays were subsequently initiated when the topsmelt larvae were 9-14 days old. Larval fish were then exposed to a series of effluent and reference toxicant concentrations for a period of seven days while being maintained in a static system.

Reference toxicant testing was performed using reagent grade copper chloride. The concentrations of copper in the exposure series

were 32, 56, 100, 180 and 320 Fg/L. A separate control consisting of SIO dilution water was also tested. Upon conclusion of the exposure period, the percent survival and the percent growth (i.e., weight gain) of larval fish were recorded.

The survival data were arcsine square root transformed and then analyzed in accordance with the "Flowchart for statistical analysis of the topsmelt, *Atherinops affinis*, larval survival data" (USEPA 1995). Growth data were analyzed in accordance with the "Flowchart for statistical analysis of the topsmelt, *Atherinops affinis*, larval growth data" (USEPA 1995). ToxCalc software (Tidepool Scientific Software 1994) was used for all statistical analyses.

RESULTS & DISCUSSION

Acute Bioassays

Fathead minnows (*Pimephales promelas*) and freshwater water fleas (*Ceriodaphnia dubia*) were screened in February 2001 to verify test species sensitivity. The results demonstrated *Ceriodaphnia* to be the most sensitive test species (Table T.1). The City continued to perform toxicity test using both species, since fathead minnows had been the most sensitive test species until recent years. The toxic unit acute (TUa) values for the fathead minnows averaged 1.2 TUa and, with one exception, were within established NPDES limits throughout 2001 (Table T.2). In contrast, the *Ceriodaphnia* tests averaged 1.5 TUa for the year and exceeded the NPDES permit limits on a number of occasions, most notably in the 30-day average category (Table T.3). During calendar year 2001, the *Ceriodaphnia* acute toxicity tests were conducted on a weekly basis to better characterize the persistence and source of toxicity. The increased test frequency did not produce a discernable pattern of toxicity as the incidences of toxicity were clearly sporadic and short-lived.

As stated in the City's 2000 receiving water monitoring report (City of San Diego 2001), the State of California has revised acute testing procedures for ocean dischargers. The new California Ocean Plan (COP) requires utilization of marine species instead of freshwater species. The document was approved by the Office of Administrative Law (OAL) and the EPA in December of 2001.

The City initiated monthly testing using the new procedures and two marine species (i.e., the topsmelt, *Atherinops affinis* and mysid, *Mysidopsis bahia*) in December 2000. The average TUa value for both the topsmelt and mysid was 2.6, and the results for each test demonstrated complete compliance with the new standards (Table T.4).

Chronic Bioassays

An annual screening of three species was conducted to verify sensitivity of the selected test organisms to Point Loma effluent. Giant kelp (*Macrocystis pyrifera*), red abalone (*Haliotis rufescens*), and topsmelt (*Atherinops affinis*) were screened and the results of these comparative bioassays are summarized in Table T.1. The results indicated that giant kelp was the most sensitive to effluent from the Point Loma Wastewater Treatment Plant. However, the City has also continued to use red abalone as a routine test organism due to its ecological importance to the region. Consequently, monthly chronic bioassays on effluent samples were conducted using both kelp and abalone.

The giant kelp and red abalone chronic toxicity tests conducted during 2001 are summarized in Table T.5. These results indicated that, with one exception, all bioassays were within established NPDES permit limits throughout the year.

LITERATURE CITED

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Results of the annual screening bioassays conducted during February 2001 to verify the sensitivity of the selected test organisms. Data are presented as median lethal concentration (LC_{50}) for acute bioassays and as No Observed Effect Concentration (NOEC) for chronic bioassays.

Acute

| Test Species | End-point determination | Test Results (LC ₅₀) |
|--------------------|----------------------------|----------------------------------|
| Fathead Minnow | Percent survival | 79.4 |
| Ceriodaphnia dubia | Percent survival | 61.6 |
| (Water flea) | | |
| Chronic | | |
| Test Species | End-point determination | Test Results (NOEC) |
| Giant Kelp | Percent germination | 0.88 |
| | Germ-tube length | 1.56 |
| Red Abalone | Percent normal development | 1.56 |
| Topsmelt | Percent survival | 1.56 |
| | Growth | 1.56 |

Table T.2

Results and compliance summary for the acute toxicity testing of Point Loma Wastewater Plant effluent using the fathead minnow, *Pimephales promelas*, from January to December 2001. Data are presented in toxic unit acute (TUa) values. Numbers in parentheses indicate NPDES limits.

| | Daily | 7-day average | 30-day average |
|-------------------|-------|---------------|----------------|
| Sample Date | (2.5) | (2.0) | (1.5) |
| 6-Jan | 1.2 | 1.2 | 1.2 |
| 7-Feb | 1.3 | 1.3 | 1.3 |
| 3-Mar | 1.2 | 1.2 | 1.3 |
| 15-Apr | 1.2 | 1.2 | 1.2 |
| 6-May | 1.2 | 1.2 | 1.2 |
| 15-Jun | 1.2 | 1.2 | 1.2 |
| 9-Jul | 1.1 | 1.1 | 1.2 |
| 2-Aug | 1.4 | 1.4 | 1.3 |
| 26-Sep | 1.6 | 1.6 | 1.6 |
| 5-Oct | 0.8 | 0.8 | 1.2 |
| 17-Oct | 0.9 | 0.9 | 1.1 |
| 31-Oct | 0.8 | 0.8 | 0.8 |
| 6-Nov | 1.0 | 0.9 | 0.9 |
| 14-Nov | 1.1 | 1.1 | 1.0 |
| 27-Nov | 1.2 | 1.2 | 1.0 |
| 8-Dec | 1.2 | 1.2 | 1.2 |
| Ν | 16 | 16 | 16 |
| No. in Compliance | 16 | 16 | 15 |

Results and compliance summary for the acute toxicity testing of Point Loma Wastewater Plant effluent using the water flea, *Ceriodaphnia dubia*, from January to December 2001. Data are presented in toxic unit acute (TUa) values. Numbers in parentheses indicate NPDES limits.

| | Daily | 7-day average | 30-day average |
|-----------------|------------|---------------|----------------|
| Sample Date | (2.5) | (2.0) | (1.5) |
| 3-Jan | 1.1 | 1.1 | 1.9 |
| 6-Jan | 1.4 | 1.3 | 2.0 |
| 9-Jan | 1.9 | 1.6 | 2.0 |
| 17-Jan | 1.5 | 1.5 | 1.9 |
| 24-Jan | 1.4 | 1.4 | 1.6 |
| 30-Jan | 1.8 | 1.6 | 1.5 |
| 7-Feb | 1.6 | 1.6 | 1.6 |
| 12-Feb | 1.9 | 1.8 | 1.6 |
| 22-Feb | 1.6 | 1.6 | 1.7 |
| 26-Feb | 1.7 | 1.7 | 1.7 |
| 3-Mar | 1.8 | 1.8 | 1.7 |
| 13-Mar | 1.4 | 1.4 | 1.6 |
| 21-Mar | 1.7 | 1.7 | 1.6 |
| 28-Mar | 1.6 | 1.7 | 1.6 |
| 4-Apr | 1.9 | 1.9 | 1.7 |
| 11-Apr | 1.8 | 1.8 | 1.7 |
| 18-Apr | 1.4 | 1.4 | 1.7 |
| 25-Apr | 1.2 | 1.2 | 1.6 |
| 2-May | 1.6 | 1.6 | 1.6 |
| 6-May | 1.2 | 1.4 | 1.5 |
| 16-May | 1.3 | 1.3 | 1.3 |
| 22-May | 2.7 | 2.0 | 1.6 |
| 30-May | 1.2 | 1.2 | 1.6 |
| 6-Jun | 1.1 | 1.1 | 1.6 |
| 15-Jun | 1.3 | 1.3 | 1.6 |
| 20-Jun | 1.3 | 1.3 | 1.5 |
| 27-Jun | 1.4 | 1.4 | 1.3 |
| 3-Jul | 1.8 | 1.6 | 1.4 |
| 9-Jul | 1.7 | 1.8 | 1.5 |
| 18-Jul | 1.2 | 1.2 | 1.5 |
| 24-Jul | 1.3 | 1.3 | 1.5 |
| 2-Aug | 2.4 | 2.4 | 1.7 |
| 8-Aug | 2.4 | 2.4 | 1.8 |
| 15-Aug | 1.4 | 1.4 | 1.7 |
| 22-Aug | 2.4 | 2.4 | 2.0 |
| 27-Aug | 1.4 | 1.9 | 2.0 |
| 5-Sep | 1.4 | 1.2 | 1.8 |
| 11-Sep | 1.2 | 1.2 | 1.5 |
| 19-Sep | 1.2 | 1.2 | 1.5 |
| 25-Sep | 1.5 | 1.3 | 1.2 |
| | 1.1 | | 1.2 |
| 5-Oct | | 1.0 | 1.2 |
| 8-Oct | 1.1 | 1.1 | |
| 17-Oct | 0.7 | 0.7 | 1.0 |
| 24-Oct | 1.2 | 1.2 | 1.0 |
| 31-Oct | 2.2 | 2.2 | 1.2 |
| 6-Nov | 1.3 | 1.8 | 1.3 |
| 14-Nov | 0.9 | 0.9 | 1.3 |
| 19-Nov | 1.1 | 1.0 | 1.3 |
| | | | |
| 27-Nov 5-Dec | 1.0 1.3 | 1.0 | 1.3 1.1 |

Results and compliance summary for the acute toxicity testing of Point Loma Wastewater Plant effluent using the water flea, *Ceriodaphnia dubia*, from January to December 2001. Data are presented in toxic unit acute (TUa) values. Numbers in parentheses indicate NPDES limits.

| | Daily | 7-day average | 30-day average |
|-------------------|-------|---------------|----------------|
| Sample Date | (2.5) | (2.0) | (1.5) |
| 8-Dec | 1.0 | 1.2 | 1.1 |
| 19-Dec | 1.1 | 1.1 | 1.1 |
| 27-Dec | 3.2 | 3.2 | 1.7 |
| Ν | 53 | 53 | 53 |
| No. in compliance | 51 | 48 | 24 |

Table T.4.

Results and compliance summary of acute bioassays conducted during January-December 2001 using the new California Ocean Plan approved marine species. Data are presented in toxic unit acute (TUa) values. The new California Ocean Plan compliance limit will be 6.5 TUa. All tests were conducted with B-8 receiving water as dilution unless otherwise indicated. n.t. = Not tested

| | | Mysid 48-Hour |
|-------------------|------------------------------|---------------|
| Sample Date | Topsmelt 48-Hour Bioassay | Bioassay |
| 17-Jan | 3.0 | 3.7 |
| 7-Feb | 2.8 | 6.1 |
| 3-Mar | 2.6 | 3.4 |
| 14-Mar | 3.2 | 2.9 |
| 4-Apr | 1.7 | <1.5 |
| 6-May | 2.3 | 2.2 |
| 15-Jun | n.t. | 2.1 |
| 27-Jun | 3.7 | n.t. |
| 9-Jul | n.t. | 1.9 |
| 18-Jul | 3.2 | n.t. |
| 2-Aug | 4.0 | 3.4 |
| 15-Aug | 3.1 (2.5 with SIO dilution) | n.t. |
| 22-Aug | 2.3 (2.5 with SIO dilution) | n.t. |
| 27-Aug | n.t. (2.4 with SIO dilution) | n.t. |
| 11-Sep | 2.1 | 2.1 |
| 5-Oct | <1.5 | 2.1 |
| 6-Nov | 1.9 | 1.3 |
| 8-Dec | 2.1 | 1.6 |
| Ν | 15 | 13 |
| No. in compliance | 15 | 13 |

Results of chronic toxicity testing of Point Loma Wastewater Plant effluent from January to December 2001. Data are presented in toxic unit chronic (TUc) values. NPDES permit limit is 205 Tuc. n.t. = Not tested. n.v. = Not valid

| Sample date | Giant Kelp Bioassay | | Red Abalone Bioassay |
|------------------|---------------------|------------------|----------------------|
| | % Germination | Germ-tube Length | % Normal Development |
| 6-Jan | 64 | 64 | n.t. |
| 30-Jan | n.t. | n.t. | 64 |
| 7-Feb | 114 | 64 | 64 |
| 3-Mar | 114 | 204 | 64 |
| 1-Apr | 114 | 64 | 64 |
| 6-May | 64 | 204 | 64 |
| 15-Jun | 64 | 114 | n.v. |
| 27-Jun | n.t. | n.t. | 64 |
| 9-Jul | 64 | 204 | n.v. |
| 18-Jul | n.t. | n.t. | 64 |
| 2-Aug | 64 | 204 | 64 |
| 11-Sep | 204 | 64 | 64 |
| 5-Oct | 114 | 64 | n.v. |
| 17-Oct | n.t. | n.t. | 64 |
| 6-Nov | 114 | 370 | 64 |
| 21-Nov | 64 | 64 | n.t. |
| 8-Dec | 64 | 64 | n.v. |
| 18-Dec | 64 | 64 | n.v. |
| Ν | 14 | 14 | 11 |
| No in compliance | 14 | 13 | 11 |
| Mean TUc | 92 | 129 | 64 |