

V. Ocean Monitoring Data Summary

- A. Ocean Sediment Chemistry Data Tables.
- B. Fish Tissue Chemistry Data Tables.

Maps, with sampling sites labeled, are included in this section.

Summary of Sampling Technique⁵:

Sediments

Benthic samples are obtained with a chain-rigged van Veen grab from the City's ocean monitoring program vessels. The grab takes 0.1m² of sediment surface. Only grab samples with an undisturbed sediment surface are used. Only the top 2 cm of sediment material in the van Veen grab is taken for chemical analyses. Subsamples are then placed directly into the appropriate labeled containers and placed on ice for shipment to the laboratory for analysis. Preservatives are used in accordance with the requirements of 40 CFR and our Quality Assurance Plan. Sediment concentrations are based on dry weight of sample.

Fish Tissue

Several species of flatfish and rockfish are collected by otter trawls and/or rig fishing. Dissected muscle and liver tissues from these fish are frozen and delivered to the laboratory for analysis. Tissue samples are kept frozen until prepared for analyses.

⁵ For complete description of the sampling protocols, dissection techniques, equipment, vessels, etc. related to the sampling of ocean sediments and fish, please refer to the City of San Diego, Annual Receiving Waters Monitoring Report for the Point Loma Ocean Outfall 2002.

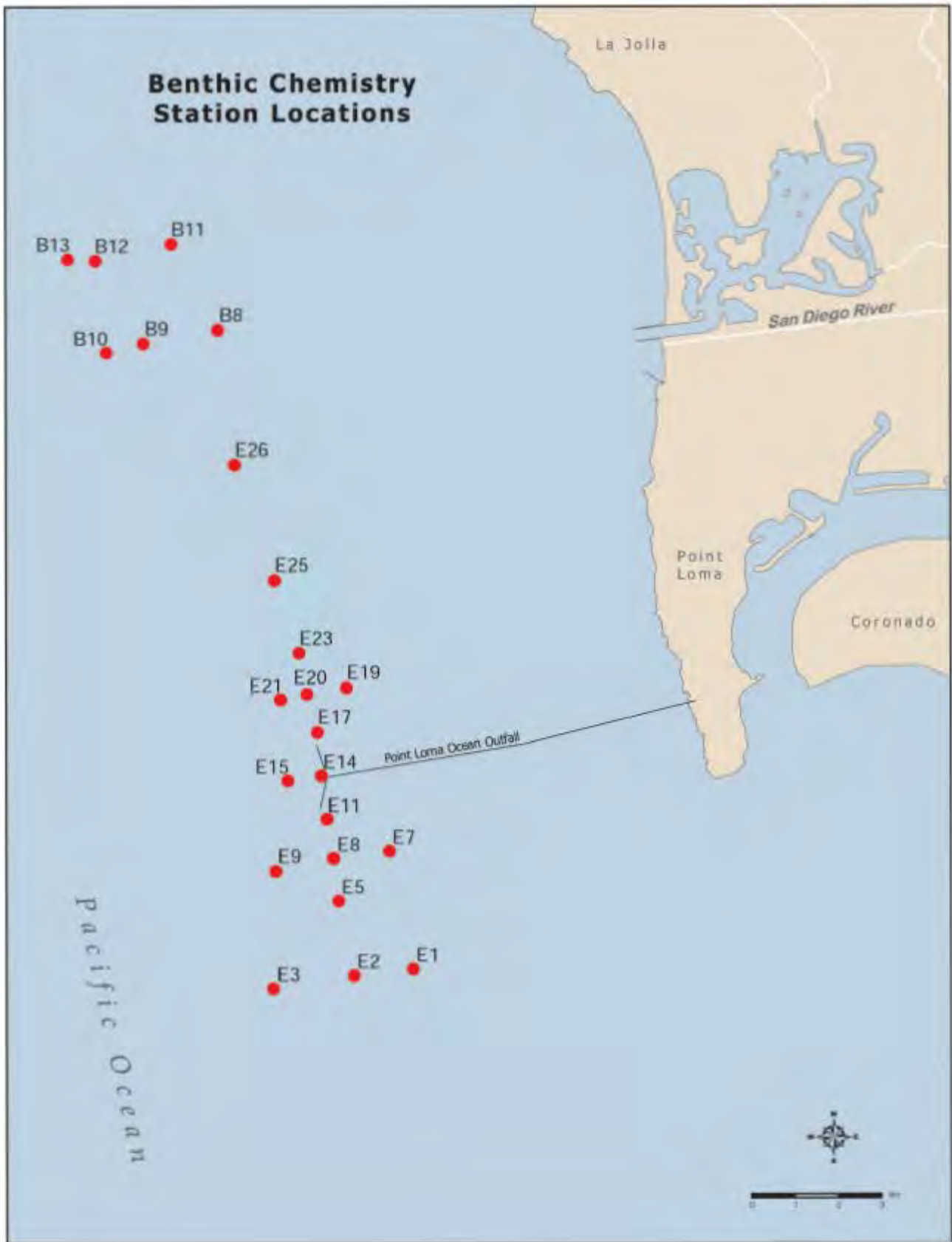
A. Ocean Sediment Chemistries .

The data for Biochemical Oxygen Demand (BOD) and Total Volatile Solids (TVS), all measures of organic enrichment, as well as total sulfides and temperature, are all presented by quarter and averaged. The quarterly particle size analysis does not lend itself to summarization and each quarter's analysis is presented separately. For the data from all the metals, cyanide, radiation and all of the numerous organic priority pollutant analyses (except dioxin, presented by quarter) only the average of the four quarters is presented here; the values for each quarter has been reported in the Quarterly Monitoring Reports and are on file.

Sampling stations may also be identified by either a 3-digit number and/or a letter-number identification code. All "A" stations are 100 series and "B" stations are 200 series designations. For example, the station A-15 is also called 115 and station B-7 would be 207. The 18 benthic stations sampled this year are identified on the preceding map and cross-referenced below. Stations identified with "DUP" were field replicates.

Stations

| | | | |
|---------|----------|----------|-----|
| B-10 | E-1 | E-2 | E-3 |
| B-11 | E-11 | E-20 | E-5 |
| B-12 | E-14 | E-21 | E-7 |
| B-13 | E-14 DUP | E-23 | E-8 |
| B-8 | E-15 | E-23 DUP | E-9 |
| B-9 | E-17 | E-25 | |
| B-9 DUP | E-19 | E-26 | |



San Diego Benthic (ocean sediment) stations.

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY

From 01-JAN-2003 To 31-DEC-2003

Biochemical Oxygen Demand
(mg/Kg)

| STATION | First Quarter | Second Quarter | Third Quarter | Average of All Quarters |
|----------|---------------|----------------|---------------|----------------------------|
| B-8 | 366 | 267 | NR | 317 |
| B-9 | 312 | 275 | 297 | 295 |
| B-9 DUP | 305 | 203 | 274 | 261 |
| B-10 | 293 | 434 | NR | 364 |
| B-11 | 347 | 411 | NR | 379 |
| B-12 | 379 | 425 | 404 | 403 |
| B-13 | 437 | 408 | NR | 423 |
| E-1 | 256 | 252 | NR | 254 |
| E-2 | 252 | 255 | 237 | 248 |
| E-3 | 194 | 199 | NR | 197 |
| E-5 | 201 | 225 | 231 | 219 |
| E-7 | 271 | 245 | NR | 258 |
| E-8 | 198 | 193 | 351 | 247 |
| E-9 | 212 | 253 | NR | 233 |
| E-11 | 245 | 315 | 270 | 277 |
| E-14 | 304 | 494 | 331 | 376 |
| E-14 DUP | 403 | 643 | 419 | 488 |
| E-15 | 313 | 243 | NR | 278 |
| E-17 | 264 | 394 | 285 | 314 |
| E-19 | 303 | 257 | NR | 280 |
| E-20 | 266 | 291 | 302 | 286 |
| E-21 | 393 | 250 | NR | 322 |
| E-23 | 288 | 245 | 326 | 286 |
| E-23 DUP | 339 | 306 | NR | 323 |
| E-25 | 275 | 358 | 324 | 319 |
| E-26 | 288 | 284 | 270 | 281 |

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

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY

From 01-JAN-2003 To 31-DEC-2003

Sulfides, Total
(mg/Kg)

| STATION | First Quarter | Second Quarter | Third Quarter | Average of All Quarters |
|----------|---------------|----------------|---------------|----------------------------|
| B-8 | 3.8 | 1.2 | NR | 2.5 |
| B-9 | 2.2 | 1.2 | 2.4 | 1.9 |
| B-9 DUP | 2.9 | 1.3 | 1.9 | 2.0 |
| B-10 | 2.5 | 8.2 | NR | 5.4 |
| B-11 | 2.2 | 1.3 | NR | 1.8 |
| B-12 | 3.4 | 5.9 | 0.8 | 3.4 |
| B-13 | 2.2 | 3.1 | NR | 2.7 |
| E-1 | 1.4 | 1.5 | NR | 1.5 |
| E-2 | 1.8 | 5.0 | 8.3 | 5.0 |
| E-3 | 0.6 | 1.0 | NR | 0.8 |
| E-5 | 1.7 | 0.8 | 2.4 | 1.6 |
| E-7 | 2.2 | 2.0 | NR | 2.1 |
| E-8 | 3.2 | 6.7 | 1.2 | 3.7 |
| E-9 | 3.6 | ND | NR | 1.8 |
| E-11 | 4.8 | 3.7 | 2.8 | 3.8 |
| E-14 | 16.7 | 2.8 | 25.3 | 14.9 |
| E-14 DUP | 26.6 | 3.2 | 28.4 | 19.4 |
| E-15 | 1.9 | 3.5 | NR | 2.7 |
| E-17 | 1.2 | 8.7 | 6.4 | 5.4 |
| E-19 | 2.0 | 2.8 | NR | 2.4 |
| E-20 | 2.3 | 2.4 | 1.3 | 2.0 |
| E-21 | 2.7 | 1.9 | NR | 2.3 |
| E-23 | 1.6 | 5.0 | 1.9 | 2.8 |
| E-23 DUP | 1.6 | 2.9 | NR | 2.3 |
| E-25 | 0.3 | 16.9 | 1.3 | 6.2 |
| E-26 | 1.3 | 10.1 | 1.5 | 4.3 |

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

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY

From 01-JAN-2003 To 31-DEC-2003

Total Volatile Solids
(% Weight)

| STATION | First Quarter | Second Quarter | Third Quarter | Average of All Quarters |
|----------|---------------|----------------|---------------|----------------------------|
| B-8 | 3.2 | 2.9 | NR | 3.1 |
| B-9 | 2.8 | 3.1 | 3.4 | 3.1 |
| B-9 DUP | 2.8 | 2.9 | 3.4 | 3.0 |
| B-10 | 2.9 | 2.9 | NR | 2.9 |
| B-11 | 4.2 | 5.0 | NR | 4.6 |
| B-12 | 3.3 | 3.5 | 4.0 | 3.6 |
| B-13 | 4.2 | 3.6 | NR | 3.9 |
| E-1 | 2.4 | 2.4 | NR | 2.4 |
| E-2 | 2.6 | 2.6 | 2.2 | 2.5 |
| E-3 | 2.1 | 2.4 | NR | 2.3 |
| E-5 | 2.1 | 2.3 | 1.2 | 1.9 |
| E-7 | 2.4 | 2.5 | NR | 2.5 |
| E-8 | 2.2 | 2.1 | 1.1 | 1.8 |
| E-9 | 2.7 | 2.4 | NR | 2.6 |
| E-11 | 2.1 | 2.0 | 1.1 | 1.7 |
| E-14 | 1.9 | 1.8 | 1.0 | 1.6 |
| E-14 DUP | 2.0 | 2.1 | 1.2 | 1.8 |
| E-15 | 2.3 | 2.4 | NR | 2.4 |
| E-17 | 2.0 | 2.0 | 1.1 | 1.7 |
| E-19 | 2.4 | 2.5 | NR | 2.5 |
| E-20 | 2.1 | 2.1 | 1.3 | 1.8 |
| E-21 | 2.4 | 2.3 | NR | 2.4 |
| E-23 | 2.6 | 2.3 | 1.4 | 2.1 |
| E-23 DUP | 2.2 | 2.4 | NR | 2.3 |
| E-25 | 2.3 | 2.5 | 1.5 | 2.1 |
| E-26 | 2.5 | 2.6 | 1.5 | 2.2 |

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

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-8 | B-8 | B-9 | B-9 | B-9 | B-9 DUP |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P202671 21-JAN-2003 | P210594 09-APR-2003 | P202680 21-JAN-2003 | P210606 09-APR-2003 | P223329 23-JUL-2003 | P202677 21-JAN-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.000 | 0.222 | 0.000 | 0.000 | 0.114 |
| >1 to 1.5 microns, Phi 9.5 | 0.414 | 0.474 | 0.596 | 0.448 | 0.463 | 0.574 |
| >1.5 to 2 microns, Phi 9 | 0.683 | 0.635 | 0.745 | 0.611 | 0.629 | 0.731 |
| >2.0 to 2.4 microns | 0.665 | 0.581 | 0.653 | 0.572 | 0.582 | 0.649 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.880 | 0.745 | 0.813 | 0.745 | 0.752 | 0.816 |
| >2.9 to 3.4 microns | 0.901 | 0.749 | 0.794 | 0.759 | 0.759 | 0.803 |
| >3.4 to 3.9 microns, Phi 8 | 0.969 | 0.785 | 0.813 | 0.808 | 0.803 | 0.829 |
| >3.9 to 4 microns | 0.197 | 0.160 | 0.162 | 0.165 | 0.163 | 0.166 |
| >4.0 to 4.3 microns | 0.566 | 0.460 | 0.465 | 0.472 | 0.467 | 0.476 |
| >4.3 to 4.5 microns | 0.364 | 0.295 | 0.298 | 0.303 | 0.300 | 0.304 |
| >4.5 to 5 microns | 0.955 | 0.772 | 0.763 | 0.795 | 0.783 | 0.783 |
| >5 to 5.5 microns | 0.937 | 0.761 | 0.738 | 0.777 | 0.765 | 0.758 |
| >5.5 to 5.7 microns | 0.361 | 0.293 | 0.283 | 0.299 | 0.294 | 0.291 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.354 | 0.288 | 0.276 | 0.293 | 0.288 | 0.284 |
| >5.9 to 7.8 microns, Phi 7 | 3.260 | 2.690 | 2.490 | 2.680 | 2.630 | 2.560 |
| >7.8 to 8 microns | 0.332 | 0.278 | 0.247 | 0.267 | 0.263 | 0.254 |
| >8 to 8.5 microns | 0.794 | 0.665 | 0.592 | 0.640 | 0.630 | 0.608 |
| >8.5 to 8.9 microns | 0.611 | 0.514 | 0.454 | 0.490 | 0.483 | 0.466 |
| >8.9 to 9.1 microns | 0.312 | 0.265 | 0.229 | 0.247 | 0.244 | 0.235 |
| >9.1 to 9.5 microns | 0.603 | 0.514 | 0.443 | 0.478 | 0.472 | 0.455 |
| >9.5 to 9.8 microns | 0.436 | 0.371 | 0.320 | 0.345 | 0.341 | 0.329 |
| >9.8 to 10.1 microns | 0.423 | 0.360 | 0.311 | 0.335 | 0.331 | 0.319 |
| >10.1 to 10.6 microns | 0.730 | 0.631 | 0.528 | 0.568 | 0.562 | 0.541 |
| >10.6 to 11.1 microns | 0.696 | 0.602 | 0.503 | 0.542 | 0.537 | 0.516 |
| >11.1 to 11.3 microns | 0.270 | 0.233 | 0.195 | 0.210 | 0.208 | 0.200 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.531 | 0.463 | 0.382 | 0.410 | 0.406 | 0.391 |
| >11.7 to 14 microns | 2.850 | 2.530 | 2.020 | 2.140 | 2.130 | 2.070 |
| >14 to 14.8 microns | 0.917 | 0.827 | 0.643 | 0.676 | 0.675 | 0.658 |
| >14.8 to 15.6 microns | 0.900 | 0.821 | 0.627 | 0.652 | 0.653 | 0.641 |
| >15.6 to 16 microns | 0.446 | 0.411 | 0.309 | 0.319 | 0.320 | 0.316 |
| >16 to 20 microns | 4.090 | 3.830 | 2.800 | 2.860 | 2.870 | 2.870 |
| >20 to 23 microns, Phi 5.5 | 2.820 | 2.720 | 1.890 | 1.870 | 1.890 | 1.940 |
| >23 to 27 microns | 3.600 | 3.590 | 2.380 | 2.290 | 2.320 | 2.460 |
| >27 to 31 microns, Phi 5 | 3.530 | 3.630 | 2.330 | 2.190 | 2.210 | 2.420 |
| >31 to 32 microns | 0.901 | 0.943 | 0.597 | 0.552 | 0.554 | 0.621 |
| >32 to 35.6 microns | 3.220 | 3.380 | 2.150 | 1.980 | 1.980 | 2.230 |
| >35.6 to 37 microns, Phi 4.75 | 1.290 | 1.360 | 0.873 | 0.794 | 0.789 | 0.899 |
| >37 to 39.6 microns | 2.340 | 2.460 | 1.590 | 1.450 | 1.430 | 1.630 |
| >39.6 to 43.6 microns | 3.870 | 4.030 | 2.690 | 2.470 | 2.390 | 2.740 |
| >43.6 to 44 microns, Phi 4.5 | 0.367 | 0.382 | 0.256 | 0.235 | 0.227 | 0.260 |
| >44 to 45 microns | 0.912 | 0.950 | 0.638 | 0.587 | 0.567 | 0.649 |
| >45 to 46.4 microns | 1.430 | 1.470 | 1.060 | 0.998 | 0.932 | 1.070 |
| >46.4 to 53 microns, Phi 4.25 | 6.350 | 6.510 | 4.810 | 4.570 | 4.230 | 4.860 |
| >53 to 62.5 microns, Phi 4 | 8.500 | 8.700 | 7.330 | 7.120 | 6.400 | 7.420 |
| >62.5 to 64 microns | 1.230 | 1.270 | 1.170 | 1.140 | 1.010 | 1.180 |
| >64 to 71.7 microns | 5.740 | 5.950 | 5.940 | 5.790 | 5.130 | 6.010 |
| >71.7 to 74 microns | 1.550 | 1.620 | 1.740 | 1.690 | 1.500 | 1.760 |
| >74 to 79.6 microns | 3.420 | 3.580 | 4.100 | 3.980 | 3.520 | 4.120 |
| >79.6 to 87.6 microns | 4.150 | 4.390 | 5.530 | 5.370 | 4.760 | 5.530 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-8 | B-8 | B-9 | B-9 | B-9 | B-9 DUP |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P202671 21-JAN-2003 | P210594 09-APR-2003 | P202680 21-JAN-2003 | P210606 09-APR-2003 | P223329 23-JUL-2003 | P202677 21-JAN-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.198 | 0.209 | 0.263 | 0.255 | 0.226 | 0.263 |
| >88 to 90 microns | 0.859 | 0.917 | 1.270 | 1.240 | 1.110 | 1.260 |
| >90 to 105 microns, Phi 3.25 | 5.300 | 5.700 | 8.420 | 8.270 | 7.430 | 8.310 |
| >105 to 125 microns, Phi 3 | 4.440 | 4.860 | 8.020 | 8.060 | 7.510 | 7.830 |
| >125 to 149 microns, Phi 2.75 | 3.040 | 3.380 | 5.950 | 6.230 | 6.170 | 5.740 |
| >149 to 160 microns | 0.840 | 0.941 | 1.680 | 1.850 | 1.980 | 1.610 |
| >160 to 177 microns, Phi 2.5 | 0.985 | 1.110 | 1.980 | 2.230 | 2.490 | 1.880 |
| >177 to 197 microns | 0.720 | 0.809 | 1.410 | 1.680 | 2.080 | 1.340 |
| >197 to 210 microns, Phi 2.25 | 0.317 | 0.355 | 0.601 | 0.741 | 1.010 | 0.565 |
| >210 to 217 microns | 0.145 | 0.162 | 0.270 | 0.339 | 0.483 | 0.253 |
| >217 to 245 microns | 0.436 | 0.487 | 0.789 | 1.010 | 1.560 | 0.736 |
| >245 to 250 microns, Phi 2 | 0.060 | 0.066 | 0.103 | 0.135 | 0.228 | 0.096 |
| >250 to 300 microns, Phi 1.75 | 0.415 | 0.453 | 0.681 | 0.909 | 1.730 | 0.628 |
| >300 to 320 microns | 0.097 | 0.102 | 0.140 | 0.190 | 0.461 | 0.128 |
| >320 to 350 microns, Phi 1.5 | 0.127 | 0.133 | 0.182 | 0.247 | 0.616 | 0.165 |
| >350 to 360 microns | 0.033 | 0.033 | 0.043 | 0.058 | 0.166 | 0.039 |
| >360 to 400 microns | 0.119 | 0.119 | 0.156 | 0.210 | 0.607 | 0.140 |
| >400 to 420 microns, Phi 1.25 | 0.047 | 0.046 | 0.058 | 0.077 | 0.244 | 0.051 |
| >420 to 440 microns | 0.045 | 0.044 | 0.055 | 0.074 | 0.233 | 0.049 |
| >440 to 500 microns, Phi 1 | 0.112 | 0.105 | 0.132 | 0.179 | 0.568 | 0.116 |
| >500 to 590 microns, Phi 0.75 | 0.029 | 0.027 | 0.034 | 0.046 | 0.460 | 0.030 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.031 | 99.996 | 100.025 | 100.012 | 100.014 | 100.035 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-9 DUP | B-9 DUP | B-10 | B-10 | B-11 | B-11 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P210599 | P223330 | P202775 | P210571 | P202780 | P210576 |
| | 09-APR-2003 | 23-JUL-2003 | 22-JAN-2003 | 09-APR-2003 | 22-JAN-2003 | 09-APR-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.000 | 0.117 | 0.000 | 0.533 | 0.430 |
| >1 to 1.5 microns, Phi 9.5 | 0.422 | 0.413 | 0.620 | 0.269 | 0.855 | 0.838 |
| >1.5 to 2 microns, Phi 9 | 0.590 | 0.584 | 0.849 | 0.505 | 1.110 | 1.130 |
| >2.0 to 2.4 microns | 0.559 | 0.558 | 0.792 | 0.486 | 0.996 | 1.040 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.735 | 0.736 | 1.030 | 0.650 | 1.270 | 1.340 |
| >2.9 to 3.4 microns | 0.754 | 0.757 | 1.040 | 0.677 | 1.260 | 1.360 |
| >3.4 to 3.9 microns, Phi 8 | 0.810 | 0.814 | 1.100 | 0.739 | 1.320 | 1.450 |
| >3.9 to 4 microns | 0.166 | 0.166 | 0.220 | 0.151 | 0.267 | 0.299 |
| >4.0 to 4.3 microns | 0.476 | 0.477 | 0.632 | 0.434 | 0.765 | 0.857 |
| >4.3 to 4.5 microns | 0.306 | 0.306 | 0.405 | 0.279 | 0.490 | 0.551 |
| >4.5 to 5 microns | 0.807 | 0.807 | 1.050 | 0.738 | 1.280 | 1.460 |
| >5 to 5.5 microns | 0.792 | 0.790 | 1.010 | 0.718 | 1.240 | 1.440 |
| >5.5 to 5.7 microns | 0.305 | 0.304 | 0.387 | 0.276 | 0.476 | 0.557 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.299 | 0.298 | 0.378 | 0.270 | 0.466 | 0.547 |
| >5.9 to 7.8 microns, Phi 7 | 2.760 | 2.740 | 3.340 | 2.450 | 4.200 | 5.100 |
| >7.8 to 8 microns | 0.277 | 0.273 | 0.316 | 0.237 | 0.411 | 0.517 |
| >8 to 8.5 microns | 0.664 | 0.653 | 0.756 | 0.568 | 0.985 | 1.240 |
| >8.5 to 8.9 microns | 0.510 | 0.501 | 0.574 | 0.433 | 0.753 | 0.950 |
| >8.9 to 9.1 microns | 0.257 | 0.252 | 0.279 | 0.213 | 0.373 | 0.480 |
| >9.1 to 9.5 microns | 0.498 | 0.488 | 0.539 | 0.412 | 0.723 | 0.927 |
| >9.5 to 9.8 microns | 0.360 | 0.353 | 0.390 | 0.298 | 0.522 | 0.670 |
| >9.8 to 10.1 microns | 0.349 | 0.342 | 0.378 | 0.289 | 0.507 | 0.651 |
| >10.1 to 10.6 microns | 0.595 | 0.580 | 0.613 | 0.477 | 0.845 | 1.110 |
| >10.6 to 11.1 microns | 0.567 | 0.553 | 0.585 | 0.455 | 0.806 | 1.060 |
| >11.1 to 11.3 microns | 0.220 | 0.214 | 0.227 | 0.176 | 0.312 | 0.411 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.429 | 0.418 | 0.433 | 0.339 | 0.604 | 0.797 |
| >11.7 to 14 microns | 2.250 | 2.180 | 2.130 | 1.700 | 3.070 | 4.100 |
| >14 to 14.8 microns | 0.711 | 0.689 | 0.643 | 0.522 | 0.950 | 1.280 |
| >14.8 to 15.6 microns | 0.685 | 0.664 | 0.596 | 0.490 | 0.898 | 1.220 |
| >15.6 to 16 microns | 0.335 | 0.325 | 0.281 | 0.234 | 0.431 | 0.585 |
| >16 to 20 microns | 3.000 | 2.910 | 2.400 | 2.030 | 3.770 | 5.120 |
| >20 to 23 microns, Phi 5.5 | 1.950 | 1.900 | 1.400 | 1.230 | 2.320 | 3.140 |
| >23 to 27 microns | 2.380 | 2.330 | 1.550 | 1.410 | 2.690 | 3.570 |
| >27 to 31 microns, Phi 5 | 2.260 | 2.240 | 1.360 | 1.290 | 2.440 | 3.120 |
| >31 to 32 microns | 0.565 | 0.567 | 0.327 | 0.319 | 0.591 | 0.734 |
| >32 to 35.6 microns | 2.020 | 2.030 | 1.140 | 1.150 | 2.060 | 2.510 |
| >35.6 to 37 microns, Phi 4.75 | 0.806 | 0.818 | 0.443 | 0.461 | 0.797 | 0.936 |
| >37 to 39.6 microns | 1.470 | 1.490 | 0.799 | 0.842 | 1.430 | 1.660 |
| >39.6 to 43.6 microns | 2.500 | 2.510 | 1.310 | 1.460 | 2.260 | 2.500 |
| >43.6 to 44 microns, Phi 4.5 | 0.237 | 0.238 | 0.124 | 0.139 | 0.214 | 0.238 |
| >44 to 45 microns | 0.593 | 0.595 | 0.309 | 0.348 | 0.531 | 0.587 |
| >45 to 46.4 microns | 1.010 | 0.988 | 0.508 | 0.606 | 0.808 | 0.848 |
| >46.4 to 53 microns, Phi 4.25 | 4.600 | 4.500 | 2.330 | 2.810 | 3.590 | 3.710 |
| >53 to 62.5 microns, Phi 4 | 7.160 | 6.890 | 3.810 | 4.760 | 4.920 | 4.730 |
| >62.5 to 64 microns | 1.150 | 1.100 | 0.643 | 0.809 | 0.741 | 0.681 |
| >64 to 71.7 microns | 5.820 | 5.590 | 3.570 | 4.450 | 3.620 | 3.200 |
| >71.7 to 74 microns | 1.700 | 1.640 | 1.120 | 1.380 | 1.020 | 0.873 |
| >74 to 79.6 microns | 4.000 | 3.860 | 2.850 | 3.460 | 2.370 | 1.970 |
| >79.6 to 87.6 microns | 5.400 | 5.230 | 4.280 | 5.100 | 3.120 | 2.480 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-9 DUP | B-9 DUP | B-10 | B-10 | B-11 | B-11 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P210599 | P223330 | P202775 | P210571 | P202780 | P210576 |
| | 09-APR-2003 | 23-JUL-2003 | 22-JAN-2003 | 09-APR-2003 | 22-JAN-2003 | 09-APR-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.257 | 0.249 | 0.204 | 0.243 | 0.149 | 0.118 |
| >88 to 90 microns | 1.250 | 1.210 | 1.140 | 1.320 | 0.723 | 0.551 |
| >90 to 105 microns, Phi 3.25 | 8.340 | 8.130 | 8.440 | 9.470 | 4.900 | 3.620 |
| >105 to 125 microns, Phi 3 | 8.110 | 8.050 | 10.300 | 10.900 | 5.260 | 3.730 |
| >125 to 149 microns, Phi 2.75 | 6.180 | 6.320 | 9.560 | 9.800 | 4.880 | 3.380 |
| >149 to 160 microns | 1.790 | 1.900 | 3.170 | 3.220 | 1.780 | 1.240 |
| >160 to 177 microns, Phi 2.5 | 2.120 | 2.310 | 3.980 | 4.040 | 2.390 | 1.670 |
| >177 to 197 microns | 1.540 | 1.760 | 3.150 | 3.230 | 2.240 | 1.590 |
| >197 to 210 microns, Phi 2.25 | 0.653 | 0.780 | 1.420 | 1.470 | 1.180 | 0.852 |
| >210 to 217 microns | 0.293 | 0.358 | 0.654 | 0.678 | 0.580 | 0.422 |
| >217 to 245 microns | 0.848 | 1.070 | 1.960 | 2.040 | 1.940 | 1.420 |
| >245 to 250 microns, Phi 2 | 0.109 | 0.144 | 0.264 | 0.276 | 0.295 | 0.219 |
| >250 to 300 microns, Phi 1.75 | 0.702 | 0.970 | 1.780 | 1.840 | 2.270 | 1.700 |
| >300 to 320 microns | 0.133 | 0.203 | 0.371 | 0.374 | 0.591 | 0.443 |
| >320 to 350 microns, Phi 1.5 | 0.171 | 0.262 | 0.479 | 0.480 | 0.778 | 0.582 |
| >350 to 360 microns | 0.038 | 0.060 | 0.111 | 0.107 | 0.195 | 0.144 |
| >360 to 400 microns | 0.135 | 0.217 | 0.400 | 0.382 | 0.704 | 0.518 |
| >400 to 420 microns, Phi 1.25 | 0.047 | 0.077 | 0.143 | 0.128 | 0.254 | 0.183 |
| >420 to 440 microns | 0.044 | 0.073 | 0.136 | 0.122 | 0.243 | 0.174 |
| >440 to 500 microns, Phi 1 | 0.101 | 0.167 | 0.311 | 0.263 | 0.532 | 0.371 |
| >500 to 590 microns, Phi 0.75 | 0.025 | 0.042 | 0.078 | 0.065 | 0.132 | 0.091 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 99.995 | 100.013 | 100.034 | 99.987 | 100.026 | 100.022 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-12 | B-12 | B-12 | B-13 | B-13 | E-1 |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P202786 22-JAN-2003 | P210582 09-APR-2003 | P223317 23-JUL-2003 | P202792 22-JAN-2003 | P210588 09-APR-2003 | P201927 15-JAN-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.105 | 0.000 | 0.000 | 0.389 | 0.000 | 0.234 |
| >1 to 1.5 microns, Phi 9.5 | 0.551 | 0.277 | 0.289 | 0.735 | 0.285 | 0.664 |
| >1.5 to 2 microns, Phi 9 | 0.743 | 0.507 | 0.519 | 0.951 | 0.516 | 0.864 |
| >2.0 to 2.4 microns | 0.686 | 0.484 | 0.483 | 0.869 | 0.495 | 0.770 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.883 | 0.649 | 0.632 | 1.130 | 0.669 | 0.967 |
| >2.9 to 3.4 microns | 0.886 | 0.680 | 0.646 | 1.140 | 0.707 | 0.951 |
| >3.4 to 3.9 microns, Phi 8 | 0.935 | 0.745 | 0.691 | 1.210 | 0.781 | 0.980 |
| >3.9 to 4 microns | 0.188 | 0.154 | 0.140 | 0.247 | 0.161 | 0.198 |
| >4.0 to 4.3 microns | 0.538 | 0.443 | 0.403 | 0.708 | 0.463 | 0.567 |
| >4.3 to 4.5 microns | 0.345 | 0.285 | 0.259 | 0.455 | 0.299 | 0.363 |
| >4.5 to 5 microns | 0.894 | 0.761 | 0.677 | 1.190 | 0.797 | 0.938 |
| >5 to 5.5 microns | 0.864 | 0.748 | 0.658 | 1.160 | 0.778 | 0.917 |
| >5.5 to 5.7 microns | 0.331 | 0.288 | 0.252 | 0.445 | 0.299 | 0.352 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.323 | 0.283 | 0.247 | 0.436 | 0.294 | 0.345 |
| >5.9 to 7.8 microns, Phi 7 | 2.890 | 2.620 | 2.230 | 3.920 | 2.670 | 0.315 |
| >7.8 to 8 microns | 0.280 | 0.258 | 0.217 | 0.379 | 0.255 | 0.319 |
| >8 to 8.5 microns | 0.669 | 0.617 | 0.519 | 0.908 | 0.610 | 0.763 |
| >8.5 to 8.9 microns | 0.511 | 0.471 | 0.396 | 0.691 | 0.464 | 0.586 |
| >8.9 to 9.1 microns | 0.252 | 0.234 | 0.196 | 0.339 | 0.225 | 0.297 |
| >9.1 to 9.5 microns | 0.488 | 0.453 | 0.380 | 0.656 | 0.436 | 0.575 |
| >9.5 to 9.8 microns | 0.353 | 0.328 | 0.274 | 0.474 | 0.315 | 0.416 |
| >9.8 to 10.1 microns | 0.342 | 0.318 | 0.266 | 0.460 | 0.306 | 0.404 |
| >10.1 to 10.6 microns | 0.566 | 0.531 | 0.440 | 0.755 | 0.497 | 0.692 |
| >10.6 to 11.1 microns | 0.540 | 0.506 | 0.419 | 0.720 | 0.474 | 0.660 |
| >11.1 to 11.3 microns | 0.209 | 0.196 | 0.162 | 0.279 | 0.184 | 0.256 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.404 | 0.379 | 0.314 | 0.534 | 0.350 | 0.501 |
| >11.7 to 14 microns | 2.050 | 1.910 | 1.590 | 2.640 | 1.710 | 2.640 |
| >14 to 14.8 microns | 0.632 | 0.590 | 0.491 | 0.801 | 0.511 | 0.840 |
| >14.8 to 15.6 microns | 0.598 | 0.553 | 0.465 | 0.741 | 0.468 | 0.810 |
| >15.6 to 16 microns | 0.287 | 0.264 | 0.223 | 0.349 | 0.218 | 0.396 |
| >16 to 20 microns | 2.510 | 2.280 | 1.950 | 2.970 | 1.830 | 3.550 |
| >20 to 23 microns, Phi 5.5 | 1.540 | 1.370 | 1.190 | 1.700 | 1.020 | 2.300 |
| >23 to 27 microns | 1.800 | 1.540 | 1.380 | 1.830 | 1.080 | 2.750 |
| >27 to 31 microns, Phi 5 | 1.630 | 1.360 | 1.250 | 1.540 | 0.894 | 2.500 |
| >31 to 32 microns | 0.396 | 0.323 | 0.306 | 0.355 | 0.205 | 0.600 |
| >32 to 35.6 microns | 1.380 | 1.120 | 1.080 | 1.210 | 0.697 | 2.070 |
| >35.6 to 37 microns, Phi 4.75 | 0.535 | 0.430 | 0.420 | 0.452 | 0.259 | 0.784 |
| >37 to 39.6 microns | 0.961 | 0.772 | 0.758 | 0.807 | 0.462 | 1.400 |
| >39.6 to 43.6 microns | 1.540 | 1.230 | 1.240 | 1.250 | 0.715 | 2.140 |
| >43.6 to 44 microns, Phi 4.5 | 0.146 | 0.117 | 0.118 | 0.118 | 0.068 | 0.203 |
| >44 to 45 microns | 0.364 | 0.291 | 0.294 | 0.293 | 0.168 | 0.502 |
| >45 to 46.4 microns | 0.576 | 0.463 | 0.477 | 0.450 | 0.262 | 0.741 |
| >46.4 to 53 microns, Phi 4.25 | 2.600 | 2.100 | 2.160 | 2.020 | 1.180 | 3.270 |
| >53 to 62.5 microns, Phi 4 | 3.890 | 3.170 | 3.300 | 2.950 | 1.770 | 4.360 |
| >62.5 to 64 microns | 0.621 | 0.509 | 0.527 | 0.465 | 0.284 | 0.649 |
| >64 to 71.7 microns | 3.220 | 2.650 | 2.740 | 2.400 | 1.500 | 3.180 |
| >71.7 to 74 microns | 0.954 | 0.790 | 0.812 | 0.709 | 0.450 | 0.899 |
| >74 to 79.6 microns | 2.310 | 1.920 | 1.970 | 1.720 | 1.110 | 2.100 |
| >79.6 to 87.6 microns | 3.250 | 2.720 | 2.760 | 2.430 | 1.610 | 2.820 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | B-12 | B-12 | B-12 | B-13 | B-13 | E-1 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P202786 | P210582 | P223317 | P202792 | P210588 | P201927 |
| | 22-JAN-2003 | 09-APR-2003 | 23-JUL-2003 | 22-JAN-2003 | 09-APR-2003 | 15-JAN-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.155 | 0.129 | 0.131 | 0.116 | 0.077 | 0.134 |
| >88 to 90 microns | 0.813 | 0.686 | 0.689 | 0.617 | 0.426 | 0.679 |
| >90 to 105 microns, Phi 3.25 | 5.800 | 4.940 | 4.900 | 4.460 | 3.180 | 4.760 |
| >105 to 125 microns, Phi 3 | 6.980 | 6.130 | 5.860 | 5.570 | 4.370 | 5.680 |
| >125 to 149 microns, Phi 2.75 | 7.150 | 6.600 | 5.980 | 5.960 | 5.290 | 5.930 |
| >149 to 160 microns | 2.820 | 2.770 | 2.370 | 2.450 | 2.450 | 2.380 |
| >160 to 177 microns, Phi 2.5 | 3.910 | 3.960 | 3.300 | 3.450 | 3.650 | 3.300 |
| >177 to 197 microns | 3.890 | 4.220 | 3.330 | 3.550 | 4.180 | 3.260 |
| >197 to 210 microns, Phi 2.25 | 2.150 | 2.500 | 1.890 | 2.020 | 2.610 | 1.760 |
| >210 to 217 microns | 1.080 | 1.280 | 0.953 | 1.020 | 1.350 | 0.871 |
| >217 to 245 microns | 3.700 | 4.630 | 3.380 | 3.580 | 5.030 | 2.910 |
| >245 to 250 microns, Phi 2 | 0.577 | 0.756 | 0.543 | 0.570 | 0.840 | 0.442 |
| >250 to 300 microns, Phi 1.75 | 4.550 | 6.390 | 4.610 | 4.680 | 7.280 | 3.350 |
| >300 to 320 microns | 1.190 | 1.890 | 1.460 | 1.360 | 2.270 | 0.836 |
| >320 to 350 microns, Phi 1.5 | 1.560 | 2.520 | 1.990 | 1.820 | 3.050 | 1.100 |
| >350 to 360 microns | 0.374 | 0.661 | 0.587 | 0.494 | 0.845 | 0.270 |
| >360 to 400 microns | 1.340 | 2.390 | 2.180 | 1.810 | 3.100 | 0.977 |
| >400 to 420 microns, Phi 1.25 | 0.447 | 0.876 | 0.964 | 0.727 | 1.250 | 0.360 |
| >420 to 440 microns | 0.427 | 0.835 | 0.920 | 0.693 | 1.190 | 0.343 |
| >440 to 500 microns, Phi 1 | 0.860 | 1.830 | 2.480 | 1.710 | 2.950 | 0.802 |
| >500 to 590 microns, Phi 0.75 | 0.653 | 1.430 | 3.150 | 1.390 | 3.410 | 0.641 |
| >590 to 630 microns | 0.014 | 0.284 | 1.210 | 0.277 | 1.220 | 0.013 |
| >630 to 696 microns | 0.000 | 0.364 | 1.800 | 0.298 | 1.810 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.046 | 0.344 | 0.000 | 0.346 | 0.000 |
| >710 to 773 microns | 0.000 | 0.195 | 1.470 | 0.000 | 1.480 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.012 | 1.280 | 0.000 | 1.350 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.180 | 0.000 | 0.191 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 1.080 | 0.000 | 1.140 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.615 | 0.000 | 0.652 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.521 | 0.000 | 0.553 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.331 | 0.000 | 0.350 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.231 | 0.000 | 0.245 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.074 | 0.000 | 0.079 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.006 | 100.011 | 100.013 | 100.002 | 100.015 | 97.196 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-1 | E-2 | E-2 | E-2 | E-3 | E-3 |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P210012 07-APR-2003 | P201918 15-JAN-2003 | P209979 07-APR-2003 | P221324 08-JUL-2003 | P201932 15-JAN-2003 | P210017 07-APR-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.115 | 0.000 | 0.000 | 0.240 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.304 | 0.635 | 0.438 | 0.505 | 0.799 | 0.551 |
| >1.5 to 2 microns, Phi 9 | 0.597 | 0.874 | 0.643 | 0.745 | 1.140 | 0.820 |
| >2.0 to 2.4 microns | 0.585 | 0.804 | 0.624 | 0.716 | 1.060 | 0.785 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.783 | 1.020 | 0.832 | 0.941 | 1.340 | 1.020 |
| >2.9 to 3.4 microns | 0.816 | 1.020 | 0.863 | 0.962 | 1.320 | 1.030 |
| >3.4 to 3.9 microns, Phi 8 | 0.890 | 1.060 | 0.938 | 1.030 | 1.370 | 1.090 |
| >3.9 to 4 microns | 0.184 | 0.213 | 0.194 | 0.211 | 0.277 | 0.220 |
| >4.0 to 4.3 microns | 0.529 | 0.612 | 0.556 | 0.607 | 0.793 | 0.632 |
| >4.3 to 4.5 microns | 0.341 | 0.392 | 0.358 | 0.390 | 0.508 | 0.405 |
| >4.5 to 5 microns | 0.908 | 1.020 | 0.951 | 1.030 | 1.320 | 1.060 |
| >5 to 5.5 microns | 0.901 | 0.989 | 0.939 | 1.010 | 1.290 | 1.030 |
| >5.5 to 5.7 microns | 0.348 | 0.380 | 0.362 | 0.391 | 0.495 | 0.395 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.342 | 0.372 | 0.356 | 0.384 | 0.485 | 0.387 |
| >5.9 to 7.8 microns, Phi 7 | 3.210 | 3.370 | 3.310 | 3.560 | 4.410 | 3.490 |
| >7.8 to 8 microns | 0.327 | 0.337 | 0.332 | 0.360 | 0.439 | 0.342 |
| >8 to 8.5 microns | 0.783 | 0.806 | 0.796 | 0.862 | 1.050 | 0.820 |
| >8.5 to 8.9 microns | 0.601 | 0.618 | 0.610 | 0.662 | 0.805 | 0.626 |
| >8.9 to 9.1 microns | 0.305 | 0.311 | 0.307 | 0.335 | 0.402 | 0.310 |
| >9.1 to 9.5 microns | 0.591 | 0.602 | 0.594 | 0.648 | 0.779 | 0.601 |
| >9.5 to 9.8 microns | 0.427 | 0.435 | 0.429 | 0.468 | 0.563 | 0.434 |
| >9.8 to 10.1 microns | 0.414 | 0.422 | 0.416 | 0.454 | 0.546 | 0.421 |
| >10.1 to 10.6 microns | 0.712 | 0.717 | 0.707 | 0.777 | 0.923 | 0.704 |
| >10.6 to 11.1 microns | 0.679 | 0.684 | 0.674 | 0.741 | 0.881 | 0.671 |
| >11.1 to 11.3 microns | 0.263 | 0.265 | 0.261 | 0.287 | 0.341 | 0.260 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.514 | 0.516 | 0.508 | 0.560 | 0.660 | 0.502 |
| >11.7 to 14 microns | 2.690 | 2.690 | 2.620 | 2.920 | 3.360 | 2.530 |
| >14 to 14.8 microns | 0.849 | 0.847 | 0.818 | 0.921 | 1.040 | 0.781 |
| >14.8 to 15.6 microns | 0.811 | 0.812 | 0.778 | 0.881 | 0.977 | 0.731 |
| >15.6 to 16 microns | 0.393 | 0.394 | 0.375 | 0.427 | 0.466 | 0.348 |
| >16 to 20 microns | 3.490 | 3.510 | 3.300 | 3.790 | 4.030 | 3.010 |
| >20 to 23 microns, Phi 5.5 | 2.210 | 2.240 | 2.050 | 2.410 | 2.400 | 1.790 |
| >23 to 27 microns | 2.570 | 2.640 | 2.380 | 2.820 | 2.620 | 1.970 |
| >27 to 31 microns, Phi 5 | 2.290 | 2.390 | 2.140 | 2.550 | 2.170 | 1.670 |
| >31 to 32 microns | 0.541 | 0.571 | 0.518 | 0.612 | 0.485 | 0.385 |
| >32 to 35.6 microns | 1.860 | 1.980 | 1.820 | 2.120 | 1.610 | 1.320 |
| >35.6 to 37 microns, Phi 4.75 | 0.700 | 0.757 | 0.706 | 0.806 | 0.570 | 0.489 |
| >37 to 39.6 microns | 1.250 | 1.360 | 1.270 | 1.440 | 1.000 | 0.872 |
| >39.6 to 43.6 microns | 1.940 | 2.160 | 2.050 | 2.250 | 1.410 | 1.340 |
| >43.6 to 44 microns, Phi 4.5 | 0.184 | 0.205 | 0.195 | 0.213 | 0.133 | 0.127 |
| >44 to 45 microns | 0.456 | 0.509 | 0.484 | 0.528 | 0.328 | 0.314 |
| >45 to 46.4 microns | 0.695 | 0.797 | 0.759 | 0.801 | 0.447 | 0.470 |
| >46.4 to 53 microns, Phi 4.25 | 3.100 | 3.570 | 3.390 | 3.560 | 1.940 | 2.080 |
| >53 to 62.5 microns, Phi 4 | 4.350 | 5.090 | 4.770 | 4.920 | 2.450 | 2.830 |
| >62.5 to 64 microns | 0.666 | 0.781 | 0.727 | 0.745 | 0.358 | 0.426 |
| >64 to 71.7 microns | 3.330 | 3.890 | 3.620 | 3.670 | 1.760 | 2.130 |
| >71.7 to 74 microns | 0.961 | 1.120 | 1.040 | 1.040 | 0.501 | 0.616 |
| >74 to 79.6 microns | 2.290 | 2.630 | 2.450 | 2.440 | 1.200 | 1.490 |
| >79.6 to 87.6 microns | 3.150 | 3.560 | 3.330 | 3.250 | 1.660 | 2.090 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-1 | E-2 | E-2 | E-2 | E-3 | E-3 |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P210012 07-APR-2003 | P201918 15-JAN-2003 | P209979 07-APR-2003 | P221324 08-JUL-2003 | P201932 15-JAN-2003 | P210017 07-APR-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.150 | 0.169 | 0.158 | 0.155 | 0.079 | 0.099 |
| >88 to 90 microns | 0.786 | 0.855 | 0.806 | 0.767 | 0.430 | 0.544 |
| >90 to 105 microns, Phi 3.25 | 5.620 | 5.930 | 5.640 | 5.270 | 3.200 | 4.040 |
| >105 to 125 microns, Phi 3 | 6.920 | 6.680 | 6.580 | 5.840 | 4.530 | 5.640 |
| >125 to 149 microns, Phi 2.75 | 7.210 | 6.330 | 6.590 | 5.550 | 5.670 | 7.000 |
| >149 to 160 microns | 2.800 | 2.290 | 2.530 | 2.060 | 2.620 | 3.240 |
| >160 to 177 microns, Phi 2.5 | 3.800 | 3.020 | 3.450 | 2.770 | 3.850 | 4.760 |
| >177 to 197 microns | 3.540 | 2.710 | 3.280 | 2.610 | 4.150 | 5.160 |
| >197 to 210 microns, Phi 2.25 | 1.790 | 1.350 | 1.720 | 1.370 | 2.340 | 2.890 |
| >210 to 217 microns | 0.868 | 0.647 | 0.843 | 0.670 | 1.180 | 1.460 |
| >217 to 245 microns | 2.760 | 2.050 | 2.760 | 2.220 | 3.970 | 4.830 |
| >245 to 250 microns, Phi 2 | 0.400 | 0.296 | 0.412 | 0.335 | 0.609 | 0.729 |
| >250 to 300 microns, Phi 1.75 | 2.830 | 2.110 | 3.030 | 2.550 | 4.550 | 5.240 |
| >300 to 320 microns | 0.626 | 0.471 | 0.704 | 0.647 | 1.060 | 1.130 |
| >320 to 350 microns, Phi 1.5 | 0.810 | 0.609 | 0.909 | 0.851 | 1.370 | 1.440 |
| >350 to 360 microns | 0.186 | 0.140 | 0.207 | 0.212 | 0.306 | 0.310 |
| >360 to 400 microns | 0.670 | 0.504 | 0.740 | 0.767 | 1.090 | 1.110 |
| >400 to 420 microns, Phi 1.25 | 0.234 | 0.173 | 0.242 | 0.280 | 0.349 | 0.354 |
| >420 to 440 microns | 0.223 | 0.165 | 0.231 | 0.267 | 0.333 | 0.338 |
| >440 to 500 microns, Phi 1 | 0.506 | 0.359 | 0.468 | 0.598 | 0.669 | 0.716 |
| >500 to 590 microns, Phi 0.75 | 0.127 | 0.089 | 0.113 | 0.471 | 0.507 | 0.554 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.010 | 0.011 | 0.012 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 99.986 | 100.039 | 100.001 | 100.020 | 100.024 | 100.011 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-5 | | E-7 | | E-8 | |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P201992 16-JAN-2003 | P210019 07-APR-2003 | P222201 15-JUL-2003 | P201998 16-JAN-2003 | P209994 07-APR-2003 | P202004 16-JAN-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.421 | 0.290 | 0.430 | 0.464 | 0.263 | 0.398 |
| >1.5 to 2 microns, Phi 9 | 0.553 | 0.530 | 0.546 | 0.628 | 0.509 | 0.502 |
| >2.0 to 2.4 microns | 0.499 | 0.496 | 0.487 | 0.580 | 0.495 | 0.445 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.634 | 0.646 | 0.617 | 0.749 | 0.661 | 0.560 |
| >2.9 to 3.4 microns | 0.628 | 0.657 | 0.615 | 0.754 | 0.686 | 0.552 |
| >3.4 to 3.9 microns, Phi 8 | 0.652 | 0.698 | 0.639 | 0.796 | 0.745 | 0.569 |
| >3.9 to 4 microns | 0.130 | 0.142 | 0.129 | 0.161 | 0.153 | 0.114 |
| >4.0 to 4.3 microns | 0.374 | 0.406 | 0.370 | 0.461 | 0.440 | 0.326 |
| >4.3 to 4.5 microns | 0.239 | 0.260 | 0.237 | 0.295 | 0.283 | 0.209 |
| >4.5 to 5 microns | 0.615 | 0.680 | 0.613 | 0.768 | 0.750 | 0.537 |
| >5 to 5.5 microns | 0.594 | 0.661 | 0.595 | 0.748 | 0.740 | 0.520 |
| >5.5 to 5.7 microns | 0.227 | 0.254 | 0.229 | 0.287 | 0.285 | 0.199 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.222 | 0.249 | 0.224 | 0.281 | 0.280 | 0.195 |
| >5.9 to 7.8 microns, Phi 7 | 1.990 | 2.250 | 2.020 | 2.560 | 2.610 | 1.760 |
| >7.8 to 8 microns | 0.195 | 0.223 | 0.202 | 0.256 | 0.264 | 0.175 |
| >8 to 8.5 microns | 0.468 | 0.534 | 0.483 | 0.612 | 0.632 | 0.418 |
| >8.5 to 8.9 microns | 0.359 | 0.409 | 0.370 | 0.470 | 0.486 | 0.321 |
| >8.9 to 9.1 microns | 0.180 | 0.205 | 0.187 | 0.238 | 0.247 | 0.162 |
| >9.1 to 9.5 microns | 0.348 | 0.396 | 0.361 | 0.460 | 0.478 | 0.314 |
| >9.5 to 9.8 microns | 0.251 | 0.286 | 0.261 | 0.332 | 0.345 | 0.227 |
| >9.8 to 10.1 microns | 0.244 | 0.278 | 0.253 | 0.323 | 0.335 | 0.220 |
| >10.1 to 10.6 microns | 0.411 | 0.468 | 0.429 | 0.550 | 0.575 | 0.374 |
| >10.6 to 11.1 microns | 0.392 | 0.447 | 0.410 | 0.525 | 0.549 | 0.357 |
| >11.1 to 11.3 microns | 0.152 | 0.173 | 0.159 | 0.203 | 0.213 | 0.138 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.297 | 0.338 | 0.311 | 0.399 | 0.417 | 0.272 |
| >11.7 to 14 microns | 1.560 | 1.770 | 1.640 | 2.120 | 2.210 | 1.450 |
| >14 to 14.8 microns | 0.496 | 0.558 | 0.521 | 0.677 | 0.705 | 0.462 |
| >14.8 to 15.6 microns | 0.483 | 0.540 | 0.506 | 0.662 | 0.687 | 0.451 |
| >15.6 to 16 microns | 0.238 | 0.265 | 0.249 | 0.327 | 0.338 | 0.223 |
| >16 to 20 microns | 2.160 | 2.390 | 2.250 | 2.990 | 3.070 | 2.030 |
| >20 to 23 microns, Phi 5.5 | 1.460 | 1.580 | 1.510 | 2.040 | 2.060 | 1.380 |
| >23 to 27 microns | 1.870 | 1.990 | 1.890 | 2.620 | 2.600 | 1.760 |
| >27 to 31 microns, Phi 5 | 1.880 | 1.970 | 1.860 | 2.610 | 2.560 | 1.730 |
| >31 to 32 microns | 0.487 | 0.511 | 0.476 | 0.672 | 0.658 | 0.441 |
| >32 to 35.6 microns | 1.770 | 1.860 | 1.720 | 2.430 | 2.390 | 1.590 |
| >35.6 to 37 microns, Phi 4.75 | 0.722 | 0.762 | 0.699 | 0.986 | 0.979 | 0.646 |
| >37 to 39.6 microns | 1.310 | 1.390 | 1.270 | 1.800 | 1.790 | 1.180 |
| >39.6 to 43.6 microns | 2.250 | 2.400 | 2.190 | 3.070 | 3.090 | 2.050 |
| >43.6 to 44 microns, Phi 4.5 | 0.214 | 0.228 | 0.209 | 0.292 | 0.293 | 0.195 |
| >44 to 45 microns | 0.534 | 0.569 | 0.521 | 0.729 | 0.732 | 0.488 |
| >45 to 46.4 microns | 0.900 | 0.964 | 0.888 | 1.230 | 1.230 | 0.855 |
| >46.4 to 53 microns, Phi 4.25 | 4.120 | 4.410 | 4.080 | 5.570 | 5.570 | 3.960 |
| >53 to 62.5 microns, Phi 4 | 6.540 | 6.910 | 6.490 | 8.470 | 8.270 | 6.590 |
| >62.5 to 64 microns | 1.070 | 1.120 | 1.060 | 1.330 | 1.280 | 1.100 |
| >64 to 71.7 microns | 5.600 | 5.780 | 5.500 | 6.640 | 6.280 | 5.830 |
| >71.7 to 74 microns | 1.680 | 1.710 | 1.640 | 1.910 | 1.780 | 1.760 |
| >74 to 79.6 microns | 4.050 | 4.090 | 3.930 | 4.410 | 4.070 | 4.280 |
| >79.6 to 87.6 microns | 5.660 | 5.640 | 5.450 | 5.780 | 5.270 | 6.050 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-5 | E-5 | E-5 | E-7 | E-7 | E-8 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P201992 | P210019 | P222201 | P201998 | P209994 | P202004 |
| | 16-JAN-2003 | 07-APR-2003 | 15-JUL-2003 | 16-JAN-2003 | 07-APR-2003 | 16-JAN-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.269 | 0.269 | 0.260 | 0.275 | 0.251 | 0.288 |
| >88 to 90 microns | 1.370 | 1.340 | 1.310 | 1.280 | 1.160 | 1.470 |
| >90 to 105 microns, Phi 3.25 | 9.410 | 9.150 | 8.940 | 8.300 | 7.510 | 10.200 |
| >105 to 125 microns, Phi 3 | 9.830 | 9.380 | 9.250 | 7.400 | 6.910 | 10.600 |
| >125 to 149 microns, Phi 2.75 | 7.990 | 7.520 | 7.510 | 4.970 | 5.090 | 8.450 |
| >149 to 160 microns | 2.420 | 2.250 | 2.300 | 1.250 | 1.460 | 2.490 |
| >160 to 177 microns, Phi 2.5 | 2.930 | 2.710 | 2.810 | 1.360 | 1.740 | 2.970 |
| >177 to 197 microns | 2.200 | 1.990 | 2.160 | 0.834 | 1.280 | 2.160 |
| >197 to 210 microns, Phi 2.25 | 0.968 | 0.845 | 0.978 | 0.314 | 0.559 | 0.926 |
| >210 to 217 microns | 0.441 | 0.379 | 0.452 | 0.132 | 0.254 | 0.417 |
| >217 to 245 microns | 1.310 | 1.090 | 1.380 | 0.357 | 0.761 | 1.220 |
| >245 to 250 microns, Phi 2 | 0.175 | 0.140 | 0.191 | 0.042 | 0.103 | 0.160 |
| >250 to 300 microns, Phi 1.75 | 1.180 | 0.877 | 1.360 | 0.249 | 0.703 | 1.060 |
| >300 to 320 microns | 0.247 | 0.158 | 0.327 | 0.002 | 0.155 | 0.219 |
| >320 to 350 microns, Phi 1.5 | 0.320 | 0.201 | 0.434 | 0.000 | 0.203 | 0.284 |
| >350 to 360 microns | 0.075 | 0.043 | 0.114 | 0.000 | 0.049 | 0.067 |
| >360 to 400 microns | 0.271 | 0.146 | 0.420 | 0.000 | 0.178 | 0.244 |
| >400 to 420 microns, Phi 1.25 | 0.099 | 0.033 | 0.175 | 0.000 | 0.066 | 0.090 |
| >420 to 440 microns | 0.094 | 0.031 | 0.167 | 0.000 | 0.063 | 0.086 |
| >440 to 500 microns, Phi 1 | 0.219 | 0.070 | 0.444 | 0.000 | 0.146 | 0.205 |
| >500 to 590 microns, Phi 0.75 | 0.055 | 0.018 | 0.416 | 0.000 | 0.037 | 0.052 |
| >590 to 630 microns | 0.000 | 0.000 | 0.163 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.252 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.053 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.225 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.129 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.068 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.002 | 100.023 | 100.032 | 100.030 | 100.031 | 100.023 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-8 | E-8 | E-9 | E-9 | E-11 | E-11 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P209996 | P222207 | P202010 | P210006 | P202016 | P209975 |
| | 07-APR-2003 | 15-JUL-2003 | 16-JAN-2003 | 07-APR-2003 | 16-JAN-2003 | 07-APR-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.000 | 0.524 | 0.103 | 0.000 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.335 | 0.268 | 0.793 | 0.541 | 0.408 | 0.267 |
| >1.5 to 2 microns, Phi 9 | 0.492 | 0.469 | 0.958 | 0.745 | 0.518 | 0.475 |
| >2.0 to 2.4 microns | 0.442 | 0.426 | 0.819 | 0.702 | 0.459 | 0.437 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.563 | 0.545 | 1.000 | 0.921 | 0.576 | 0.566 |
| >2.9 to 3.4 microns | 0.562 | 0.547 | 0.964 | 0.941 | 0.567 | 0.573 |
| >3.4 to 3.9 microns, Phi 8 | 0.585 | 0.573 | 0.974 | 1.010 | 0.583 | 0.606 |
| >3.9 to 4 microns | 0.118 | 0.116 | 0.193 | 0.205 | 0.116 | 0.123 |
| >4.0 to 4.3 microns | 0.340 | 0.331 | 0.552 | 0.589 | 0.333 | 0.352 |
| >4.3 to 4.5 microns | 0.218 | 0.212 | 0.353 | 0.378 | 0.213 | 0.226 |
| >4.5 to 5 microns | 0.565 | 0.550 | 0.897 | 0.993 | 0.546 | 0.589 |
| >5 to 5.5 microns | 0.549 | 0.533 | 0.863 | 0.967 | 0.527 | 0.572 |
| >5.5 to 5.7 microns | 0.211 | 0.204 | 0.330 | 0.371 | 0.202 | 0.220 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.207 | 0.200 | 0.322 | 0.364 | 0.197 | 0.215 |
| >5.9 to 7.8 microns, Phi 7 | 1.880 | 1.810 | 2.860 | 3.300 | 1.770 | 1.950 |
| >7.8 to 8 microns | 0.188 | 0.179 | 0.280 | 0.322 | 0.175 | 0.193 |
| >8 to 8.5 microns | 0.451 | 0.428 | 0.671 | 0.770 | 0.418 | 0.463 |
| >8.5 to 8.9 microns | 0.346 | 0.328 | 0.514 | 0.588 | 0.321 | 0.355 |
| >8.9 to 9.1 microns | 0.175 | 0.165 | 0.257 | 0.291 | 0.161 | 0.178 |
| >9.1 to 9.5 microns | 0.339 | 0.319 | 0.497 | 0.564 | 0.312 | 0.345 |
| >9.5 to 9.8 microns | 0.245 | 0.230 | 0.359 | 0.408 | 0.226 | 0.249 |
| >9.8 to 10.1 microns | 0.237 | 0.224 | 0.348 | 0.395 | 0.219 | 0.242 |
| >10.1 to 10.6 microns | 0.405 | 0.377 | 0.586 | 0.657 | 0.370 | 0.408 |
| >10.6 to 11.1 microns | 0.386 | 0.360 | 0.559 | 0.627 | 0.353 | 0.389 |
| >11.1 to 11.3 microns | 0.149 | 0.139 | 0.216 | 0.243 | 0.137 | 0.151 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.293 | 0.273 | 0.422 | 0.469 | 0.268 | 0.295 |
| >11.7 to 14 microns | 1.550 | 1.440 | 2.200 | 2.380 | 1.420 | 1.550 |
| >14 to 14.8 microns | 0.495 | 0.457 | 0.693 | 0.736 | 0.450 | 0.492 |
| >14.8 to 15.6 microns | 0.482 | 0.446 | 0.668 | 0.698 | 0.439 | 0.478 |
| >15.6 to 16 microns | 0.238 | 0.220 | 0.327 | 0.336 | 0.216 | 0.235 |
| >16 to 20 microns | 2.150 | 1.990 | 2.930 | 2.940 | 1.960 | 2.120 |
| >20 to 23 microns, Phi 5.5 | 1.450 | 1.350 | 1.920 | 1.820 | 1.320 | 1.430 |
| >23 to 27 microns | 1.820 | 1.720 | 2.360 | 2.130 | 1.660 | 1.810 |
| >27 to 31 microns, Phi 5 | 1.800 | 1.730 | 2.260 | 1.980 | 1.630 | 1.790 |
| >31 to 32 microns | 0.464 | 0.451 | 0.567 | 0.492 | 0.420 | 0.463 |
| >32 to 35.6 microns | 1.690 | 1.650 | 2.020 | 1.760 | 1.540 | 1.680 |
| >35.6 to 37 microns, Phi 4.75 | 0.701 | 0.682 | 0.808 | 0.704 | 0.642 | 0.688 |
| >37 to 39.6 microns | 1.290 | 1.250 | 1.470 | 1.280 | 1.190 | 1.260 |
| >39.6 to 43.6 microns | 2.290 | 2.200 | 2.470 | 2.190 | 2.180 | 2.220 |
| >43.6 to 44 microns, Phi 4.5 | 0.217 | 0.209 | 0.235 | 0.208 | 0.207 | 0.211 |
| >44 to 45 microns | 0.545 | 0.523 | 0.586 | 0.520 | 0.522 | 0.529 |
| >45 to 46.4 microns | 0.957 | 0.913 | 0.980 | 0.880 | 0.964 | 0.939 |
| >46.4 to 53 microns, Phi 4.25 | 4.410 | 4.210 | 4.470 | 4.020 | 4.510 | 4.360 |
| >53 to 62.5 microns, Phi 4 | 7.120 | 6.880 | 6.890 | 6.200 | 7.650 | 7.250 |
| >62.5 to 64 microns | 1.160 | 1.130 | 1.100 | 0.987 | 1.270 | 1.200 |
| >64 to 71.7 microns | 6.090 | 5.960 | 5.550 | 4.990 | 6.710 | 6.280 |
| >71.7 to 74 microns | 1.820 | 1.790 | 1.620 | 1.450 | 2.010 | 1.880 |
| >74 to 79.6 microns | 4.380 | 4.310 | 3.770 | 3.400 | 4.860 | 4.510 |
| >79.6 to 87.6 microns | 6.120 | 6.030 | 5.030 | 4.550 | 6.800 | 6.270 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-8 | | E-9 | | E-11 | |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P209996 07-APR-2003 | P222207 15-JUL-2003 | P202010 16-JAN-2003 | P210006 07-APR-2003 | P202016 16-JAN-2003 | P209975 07-APR-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.292 | 0.287 | 0.239 | 0.216 | 0.323 | 0.298 |
| >88 to 90 microns | 1.470 | 1.450 | 1.150 | 1.050 | 1.620 | 1.500 |
| >90 to 105 microns, Phi 3.25 | 10.100 | 9.930 | 7.570 | 6.990 | 11.000 | 10.200 |
| >105 to 125 microns, Phi 3 | 10.200 | 10.200 | 7.290 | 6.980 | 10.700 | 10.300 |
| >125 to 149 microns, Phi 2.75 | 7.950 | 8.130 | 5.650 | 5.710 | 7.690 | 7.870 |
| >149 to 160 microns | 2.290 | 2.420 | 1.710 | 1.830 | 2.040 | 2.230 |
| >160 to 177 microns, Phi 2.5 | 2.680 | 2.910 | 2.080 | 2.300 | 2.290 | 2.600 |
| >177 to 197 microns | 1.880 | 2.160 | 1.630 | 1.900 | 1.480 | 1.810 |
| >197 to 210 microns, Phi 2.25 | 0.776 | 0.938 | 0.742 | 0.906 | 0.576 | 0.736 |
| >210 to 217 microns | 0.343 | 0.426 | 0.344 | 0.429 | 0.247 | 0.323 |
| >217 to 245 microns | 0.973 | 1.260 | 1.050 | 1.360 | 0.680 | 0.907 |
| >245 to 250 microns, Phi 2 | 0.123 | 0.167 | 0.146 | 0.195 | 0.082 | 0.112 |
| >250 to 300 microns, Phi 1.75 | 0.765 | 1.110 | 1.020 | 1.420 | 0.496 | 0.686 |
| >300 to 320 microns | 0.140 | 0.229 | 0.233 | 0.352 | 0.087 | 0.117 |
| >320 to 350 microns, Phi 1.5 | 0.178 | 0.296 | 0.304 | 0.466 | 0.110 | 0.147 |
| >350 to 360 microns | 0.039 | 0.069 | 0.074 | 0.121 | 0.024 | 0.030 |
| >360 to 400 microns | 0.134 | 0.249 | 0.270 | 0.443 | 0.078 | 0.097 |
| >400 to 420 microns, Phi 1.25 | 0.034 | 0.090 | 0.101 | 0.179 | 0.000 | 0.000 |
| >420 to 440 microns | 0.032 | 0.086 | 0.096 | 0.171 | 0.000 | 0.000 |
| >440 to 500 microns, Phi 1 | 0.072 | 0.201 | 0.227 | 0.445 | 0.000 | 0.000 |
| >500 to 590 microns, Phi 0.75 | 0.018 | 0.051 | 0.058 | 0.569 | 0.000 | 0.000 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.236 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.367 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.077 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.330 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.335 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.048 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.285 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.163 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.043 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.009 | 100.006 | 100.019 | 100.031 | 100.068 | 100.047 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-11 | E-14 | E-14 | E-14 | E-14 DUP | E-14 DUP |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P222153 | P202028 | P210448 | P222165 | P202021 | P210446 |
| | 15-JUL-2003 | 16-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 16-JAN-2003 | 08-APR-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.244 | 0.000 | 0.407 | 0.276 | 0.521 | 0.508 |
| >1.5 to 2 microns, Phi 9 | 0.434 | 0.392 | 0.547 | 0.500 | 0.905 | 0.735 |
| >2.0 to 2.4 microns | 0.401 | 0.483 | 0.508 | 0.465 | 0.973 | 0.708 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.520 | 0.734 | 0.661 | 0.604 | 1.370 | 0.937 |
| >2.9 to 3.4 microns | 0.528 | 0.835 | 0.673 | 0.611 | 1.480 | 0.967 |
| >3.4 to 3.9 microns, Phi 8 | 0.560 | 0.911 | 0.716 | 0.648 | 1.690 | 1.050 |
| >3.9 to 4 microns | 0.113 | 0.187 | 0.146 | 0.130 | 0.347 | 0.215 |
| >4.0 to 4.3 microns | 0.325 | 0.536 | 0.418 | 0.373 | 0.997 | 0.616 |
| >4.3 to 4.5 microns | 0.209 | 0.341 | 0.268 | 0.239 | 0.643 | 0.396 |
| >4.5 to 5 microns | 0.544 | 0.851 | 0.703 | 0.621 | 1.730 | 1.050 |
| >5 to 5.5 microns | 0.528 | 0.797 | 0.685 | 0.598 | 1.690 | 1.030 |
| >5.5 to 5.7 microns | 0.202 | 0.302 | 0.263 | 0.229 | 0.650 | 0.396 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.198 | 1.510 | 0.258 | 0.224 | 0.639 | 0.389 |
| >5.9 to 7.8 microns, Phi 7 | 1.790 | 1.170 | 2.350 | 1.990 | 5.770 | 3.570 |
| >7.8 to 8 microns | 0.176 | 0.214 | 0.232 | 0.192 | 0.545 | 0.352 |
| >8 to 8.5 microns | 0.423 | 0.513 | 0.554 | 0.459 | 1.310 | 0.844 |
| >8.5 to 8.9 microns | 0.324 | 0.385 | 0.424 | 0.350 | 0.989 | 0.645 |
| >8.9 to 9.1 microns | 0.162 | 0.180 | 0.212 | 0.173 | 0.475 | 0.321 |
| >9.1 to 9.5 microns | 0.313 | 0.348 | 0.410 | 0.335 | 0.920 | 0.621 |
| >9.5 to 9.8 microns | 0.226 | 0.252 | 0.297 | 0.242 | 0.665 | 0.449 |
| >9.8 to 10.1 microns | 0.220 | 0.244 | 0.288 | 0.235 | 0.645 | 0.436 |
| >10.1 to 10.6 microns | 0.368 | 0.364 | 0.483 | 0.387 | 1.040 | 0.729 |
| >10.6 to 11.1 microns | 0.351 | 0.347 | 0.461 | 0.370 | 0.988 | 0.695 |
| >11.1 to 11.3 microns | 0.136 | 0.134 | 0.179 | 0.143 | 0.383 | 0.269 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.266 | 0.886 | 0.348 | 0.278 | 0.723 | 0.520 |
| >11.7 to 14 microns | 1.390 | 0.732 | 1.800 | 1.420 | 3.420 | 2.640 |
| >14 to 14.8 microns | 0.437 | 0.413 | 0.564 | 0.441 | 1.010 | 0.815 |
| >14.8 to 15.6 microns | 0.423 | 0.401 | 0.541 | 0.422 | 0.908 | 0.769 |
| >15.6 to 16 microns | 0.207 | 0.197 | 0.263 | 0.205 | 0.417 | 0.368 |
| >16 to 20 microns | 1.860 | 1.750 | 2.340 | 1.820 | 3.420 | 3.200 |
| >20 to 23 microns, Phi 5.5 | 1.230 | 1.160 | 1.510 | 1.170 | 1.800 | 1.940 |
| >23 to 27 microns | 1.550 | 1.490 | 1.840 | 1.440 | 1.810 | 2.220 |
| >27 to 31 microns, Phi 5 | 1.540 | 1.490 | 1.770 | 1.410 | 1.430 | 2.000 |
| >31 to 32 microns | 0.400 | 0.387 | 0.452 | 0.364 | 0.320 | 0.486 |
| >32 to 35.6 microns | 1.470 | 1.410 | 1.640 | 1.340 | 1.100 | 1.720 |
| >35.6 to 37 microns, Phi 4.75 | 0.611 | 0.582 | 0.667 | 0.558 | 0.415 | 0.681 |
| >37 to 39.6 microns | 1.120 | 1.070 | 1.220 | 1.030 | 0.751 | 1.240 |
| >39.6 to 43.6 microns | 2.010 | 1.950 | 2.140 | 1.870 | 1.250 | 2.110 |
| >43.6 to 44 microns, Phi 4.5 | 0.191 | 0.185 | 0.203 | 0.177 | 0.119 | 0.200 |
| >44 to 45 microns | 0.480 | 0.465 | 0.508 | 0.447 | 0.297 | 0.501 |
| >45 to 46.4 microns | 0.857 | 0.834 | 0.890 | 0.815 | 0.507 | 0.855 |
| >46.4 to 53 microns, Phi 4.25 | 3.990 | 3.910 | 4.120 | 3.820 | 2.340 | 3.930 |
| >53 to 62.5 microns, Phi 4 | 6.700 | 6.760 | 6.860 | 6.640 | 3.830 | 6.280 |
| >62.5 to 64 microns | 1.120 | 1.140 | 1.150 | 1.130 | 0.636 | 1.020 |
| >64 to 71.7 microns | 5.960 | 6.250 | 6.110 | 6.130 | 3.430 | 5.290 |
| >71.7 to 74 microns | 1.800 | 1.930 | 1.850 | 1.880 | 1.050 | 1.570 |
| >74 to 79.6 microns | 4.370 | 4.700 | 4.500 | 4.620 | 2.620 | 3.750 |
| >79.6 to 87.6 microns | 6.150 | 6.670 | 6.350 | 6.600 | 3.840 | 5.170 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-11 | E-14 | E-14 | E-14 | E-14 DUP | E-14 DUP |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P222153 15-JUL-2003 | P202028 16-JAN-2003 | P210448 08-APR-2003 | P222165 15-JUL-2003 | P202021 16-JAN-2003 | P210446 08-APR-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.293 | 0.317 | 0.302 | 0.314 | 0.183 | 0.246 |
| >88 to 90 microns | 1.480 | 1.630 | 1.530 | 1.600 | 0.988 | 1.220 |
| >90 to 105 microns, Phi 3.25 | 10.100 | 11.200 | 10.400 | 11.000 | 7.080 | 8.240 |
| >105 to 125 microns, Phi 3 | 10.200 | 11.000 | 10.300 | 11.000 | 7.960 | 8.150 |
| >125 to 149 microns, Phi 2.75 | 7.980 | 7.950 | 7.600 | 8.270 | 6.770 | 6.210 |
| >149 to 160 microns | 2.340 | 2.110 | 2.040 | 2.320 | 2.100 | 1.780 |
| >160 to 177 microns, Phi 2.5 | 2.800 | 2.370 | 2.310 | 2.700 | 2.570 | 2.100 |
| >177 to 197 microns | 2.070 | 1.550 | 1.500 | 1.910 | 1.970 | 1.500 |
| >197 to 210 microns, Phi 2.25 | 0.913 | 0.621 | 0.582 | 0.808 | 0.880 | 0.635 |
| >210 to 217 microns | 0.417 | 0.270 | 0.249 | 0.362 | 0.405 | 0.284 |
| >217 to 245 microns | 1.260 | 0.761 | 0.679 | 1.060 | 1.230 | 0.825 |
| >245 to 250 microns, Phi 2 | 0.171 | 0.095 | 0.080 | 0.139 | 0.169 | 0.107 |
| >250 to 300 microns, Phi 1.75 | 1.200 | 0.597 | 0.473 | 0.930 | 1.190 | 0.696 |
| >300 to 320 microns | 0.283 | 0.116 | 0.075 | 0.197 | 0.277 | 0.139 |
| >320 to 350 microns, Phi 1.5 | 0.376 | 0.150 | 0.083 | 0.256 | 0.365 | 0.179 |
| >350 to 360 microns | 0.099 | 0.035 | 0.000 | 0.061 | 0.092 | 0.042 |
| >360 to 400 microns | 0.366 | 0.128 | 0.000 | 0.223 | 0.337 | 0.151 |
| >400 to 420 microns, Phi 1.25 | 0.155 | 0.048 | 0.000 | 0.083 | 0.130 | 0.056 |
| >420 to 440 microns | 0.148 | 0.046 | 0.000 | 0.079 | 0.124 | 0.053 |
| >440 to 500 microns, Phi 1 | 0.402 | 0.114 | 0.000 | 0.188 | 0.297 | 0.132 |
| >500 to 590 microns, Phi 0.75 | 0.535 | 0.029 | 0.000 | 0.048 | 0.076 | 0.034 |
| >590 to 630 microns | 0.223 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.341 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.069 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.295 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 99.962 | 99.929 | 99.982 | 99.969 | 100.001 | 99.982 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-14 DUP | E-15 | E-15 | E-17 | E-17 | E-17 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P222158 | P202012 | P210458 | P201977 | P210467 | P222171 |
| | 15-JUL-2003 | 16-JAN-2003 | 08-APR-2003 | 16-JAN-2003 | 08-APR-2003 | 15-JUL-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.111 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.275 | 0.554 | 0.426 | 0.411 | 0.272 | 0.256 |
| >1.5 to 2 microns, Phi 9 | 0.522 | 0.709 | 0.555 | 0.537 | 0.486 | 0.452 |
| >2.0 to 2.4 microns | 0.502 | 0.635 | 0.506 | 0.491 | 0.446 | 0.413 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.665 | 0.803 | 0.651 | 0.631 | 0.576 | 0.534 |
| >2.9 to 3.4 microns | 0.683 | 0.796 | 0.654 | 0.635 | 0.582 | 0.540 |
| >3.4 to 3.9 microns, Phi 8 | 0.737 | 0.827 | 0.689 | 0.669 | 0.614 | 0.570 |
| >3.9 to 4 microns | 0.149 | 0.166 | 0.139 | 0.134 | 0.125 | 0.115 |
| >4.0 to 4.3 microns | 0.426 | 0.475 | 0.398 | 0.385 | 0.358 | 0.331 |
| >4.3 to 4.5 microns | 0.274 | 0.304 | 0.255 | 0.247 | 0.230 | 0.212 |
| >4.5 to 5 microns | 0.716 | 0.784 | 0.663 | 0.640 | 0.599 | 0.552 |
| >5 to 5.5 microns | 0.691 | 0.757 | 0.641 | 0.617 | 0.585 | 0.536 |
| >5.5 to 5.7 microns | 0.265 | 0.290 | 0.246 | 0.236 | 0.225 | 0.206 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.259 | 0.284 | 0.241 | 0.231 | 0.220 | 0.201 |
| >5.9 to 7.8 microns, Phi 7 | 2.320 | 2.530 | 2.160 | 2.060 | 2.010 | 1.820 |
| >7.8 to 8 microns | 0.223 | 0.246 | 0.210 | 0.200 | 0.201 | 0.180 |
| >8 to 8.5 microns | 0.534 | 0.590 | 0.504 | 0.480 | 0.481 | 0.431 |
| >8.5 to 8.9 microns | 0.407 | 0.451 | 0.385 | 0.367 | 0.369 | 0.330 |
| >8.9 to 9.1 microns | 0.201 | 0.224 | 0.191 | 0.182 | 0.186 | 0.165 |
| >9.1 to 9.5 microns | 0.388 | 0.433 | 0.370 | 0.353 | 0.360 | 0.320 |
| >9.5 to 9.8 microns | 0.281 | 0.313 | 0.267 | 0.255 | 0.260 | 0.231 |
| >9.8 to 10.1 microns | 0.272 | 0.304 | 0.259 | 0.247 | 0.252 | 0.225 |
| >10.1 to 10.6 microns | 0.448 | 0.505 | 0.432 | 0.411 | 0.428 | 0.378 |
| >10.6 to 11.1 microns | 0.428 | 0.482 | 0.412 | 0.392 | 0.408 | 0.360 |
| >11.1 to 11.3 microns | 0.166 | 0.187 | 0.160 | 0.152 | 0.158 | 0.140 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.320 | 0.362 | 0.310 | 0.296 | 0.309 | 0.273 |
| >11.7 to 14 microns | 1.630 | 1.860 | 1.590 | 1.530 | 1.620 | 1.430 |
| >14 to 14.8 microns | 0.504 | 0.578 | 0.495 | 0.480 | 0.514 | 0.452 |
| >14.8 to 15.6 microns | 0.480 | 0.552 | 0.473 | 0.463 | 0.498 | 0.439 |
| >15.6 to 16 microns | 0.232 | 0.268 | 0.229 | 0.227 | 0.244 | 0.216 |
| >16 to 20 microns | 2.050 | 2.360 | 2.030 | 2.030 | 2.200 | 1.950 |
| >20 to 23 microns, Phi 5.5 | 1.300 | 1.500 | 1.290 | 1.340 | 1.450 | 1.300 |
| >23 to 27 microns | 1.580 | 1.790 | 1.560 | 1.700 | 1.810 | 1.650 |
| >27 to 31 microns, Phi 5 | 1.520 | 1.690 | 1.480 | 1.700 | 1.770 | 1.660 |
| >31 to 32 microns | 0.390 | 0.426 | 0.377 | 0.449 | 0.458 | 0.435 |
| >32 to 35.6 microns | 1.420 | 1.530 | 1.370 | 1.660 | 1.680 | 1.600 |
| >35.6 to 37 microns, Phi 4.75 | 0.588 | 0.621 | 0.566 | 0.694 | 0.700 | 0.672 |
| >37 to 39.6 microns | 1.080 | 1.130 | 1.040 | 1.280 | 1.290 | 1.240 |
| >39.6 to 43.6 microns | 1.930 | 1.980 | 1.870 | 2.290 | 2.310 | 2.230 |
| >43.6 to 44 microns, Phi 4.5 | 0.183 | 0.188 | 0.178 | 0.217 | 0.219 | 0.211 |
| >44 to 45 microns | 0.460 | 0.470 | 0.446 | 0.545 | 0.551 | 0.531 |
| >45 to 46.4 microns | 0.825 | 0.822 | 0.805 | 0.965 | 0.977 | 0.948 |
| >46.4 to 53 microns, Phi 4.25 | 3.850 | 3.810 | 3.760 | 4.470 | 4.510 | 4.400 |
| >53 to 62.5 microns, Phi 4 | 6.590 | 6.380 | 6.410 | 7.390 | 7.350 | 7.280 |
| >62.5 to 64 microns | 1.110 | 1.070 | 1.080 | 1.230 | 1.200 | 1.200 |
| >64 to 71.7 microns | 5.990 | 5.780 | 5.830 | 6.480 | 6.280 | 6.320 |
| >71.7 to 74 microns | 1.830 | 1.770 | 1.780 | 1.950 | 1.870 | 1.890 |
| >74 to 79.6 microns | 4.460 | 4.340 | 4.380 | 4.680 | 4.490 | 4.550 |
| >79.6 to 87.6 microns | 6.330 | 6.210 | 6.270 | 6.520 | 6.230 | 6.330 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-14 DUP | E-15 | E-15 | E-17 | E-17 | E-17 |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | P222158 15-JUL-2003 | P202012 16-JAN-2003 | P210458 08-APR-2003 | P201977 16-JAN-2003 | P210467 08-APR-2003 | P222171 15-JUL-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.301 | 0.296 | 0.298 | 0.310 | 0.296 | 0.301 |
| >88 to 90 microns | 1.530 | 1.510 | 1.540 | 1.540 | 1.480 | 1.500 |
| >90 to 105 microns, Phi 3.25 | 10.500 | 10.400 | 10.600 | 10.400 | 10.000 | 10.200 |
| >105 to 125 microns, Phi 3 | 10.500 | 10.400 | 10.900 | 10.000 | 9.950 | 10.100 |
| >125 to 149 microns, Phi 2.75 | 7.990 | 7.600 | 8.430 | 7.300 | 7.510 | 7.670 |
| >149 to 160 microns | 2.250 | 2.030 | 2.400 | 1.980 | 2.120 | 2.200 |
| >160 to 177 microns, Phi 2.5 | 2.630 | 2.300 | 2.800 | 2.260 | 2.470 | 2.600 |
| >177 to 197 microns | 1.850 | 1.510 | 1.960 | 1.530 | 1.720 | 1.890 |
| >197 to 210 microns, Phi 2.25 | 0.772 | 0.597 | 0.811 | 0.622 | 0.710 | 0.815 |
| >210 to 217 microns | 0.344 | 0.259 | 0.359 | 0.273 | 0.314 | 0.369 |
| >217 to 245 microns | 0.994 | 0.722 | 1.020 | 0.781 | 0.897 | 1.100 |
| >245 to 250 microns, Phi 2 | 0.128 | 0.089 | 0.130 | 0.099 | 0.114 | 0.147 |
| >250 to 300 microns, Phi 1.75 | 0.830 | 0.554 | 0.820 | 0.640 | 0.721 | 1.010 |
| >300 to 320 microns | 0.164 | 0.104 | 0.154 | 0.129 | 0.136 | 0.229 |
| >320 to 350 microns, Phi 1.5 | 0.212 | 0.133 | 0.197 | 0.168 | 0.174 | 0.301 |
| >350 to 360 microns | 0.048 | 0.031 | 0.044 | 0.040 | 0.039 | 0.076 |
| >360 to 400 microns | 0.175 | 0.110 | 0.158 | 0.146 | 0.139 | 0.279 |
| >400 to 420 microns, Phi 1.25 | 0.062 | 0.041 | 0.056 | 0.056 | 0.049 | 0.111 |
| >420 to 440 microns | 0.059 | 0.039 | 0.053 | 0.053 | 0.046 | 0.106 |
| >440 to 500 microns, Phi 1 | 0.136 | 0.022 | 0.125 | 0.133 | 0.106 | 0.266 |
| >500 to 590 microns, Phi 0.75 | 0.034 | 0.000 | 0.032 | 0.034 | 0.027 | 0.069 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 99.993 | 99.994 | 99.920 | 100.043 | 99.979 | 100.044 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-19 | E-19 | E-20 | E-20 | E-20 | E-21 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P201987 | P210469 | P202690 | P210479 | P222177 | P202694 |
| | 16-JAN-2003 | 08-APR-2003 | 21-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 21-JAN-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.112 | 0.052 | 0.102 | 0.000 | 0.000 | 0.100 |
| >1 to 1.5 microns, Phi 9.5 | 0.549 | 0.485 | 0.495 | 0.423 | 0.456 | 0.508 |
| >1.5 to 2 microns, Phi 9 | 0.683 | 0.612 | 0.605 | 0.535 | 0.572 | 0.651 |
| >2.0 to 2.4 microns | 0.598 | 0.547 | 0.525 | 0.478 | 0.508 | 0.582 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.746 | 0.695 | 0.652 | 0.609 | 0.643 | 0.734 |
| >2.9 to 3.4 microns | 0.731 | 0.694 | 0.635 | 0.608 | 0.639 | 0.726 |
| >3.4 to 3.9 microns, Phi 8 | 0.749 | 0.723 | 0.647 | 0.634 | 0.664 | 0.752 |
| >3.9 to 4 microns | 0.150 | 0.147 | 0.129 | 0.128 | 0.134 | 0.150 |
| >4.0 to 4.3 microns | 0.431 | 0.422 | 0.369 | 0.367 | 0.386 | 0.431 |
| >4.3 to 4.5 microns | 0.275 | 0.271 | 0.236 | 0.235 | 0.247 | 0.276 |
| >4.5 to 5 microns | 0.707 | 0.703 | 0.603 | 0.609 | 0.641 | 0.711 |
| >5 to 5.5 microns | 0.687 | 0.689 | 0.581 | 0.593 | 0.625 | 0.688 |
| >5.5 to 5.7 microns | 0.264 | 0.265 | 0.222 | 0.227 | 0.240 | 0.263 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.258 | 0.260 | 0.217 | 0.223 | 0.235 | 0.257 |
| >5.9 to 7.8 microns, Phi 7 | 2.340 | 2.390 | 1.940 | 2.020 | 2.150 | 2.310 |
| >7.8 to 8 microns | 0.237 | 0.244 | 0.192 | 0.202 | 0.217 | 0.226 |
| >8 to 8.5 microns | 0.566 | 0.582 | 0.460 | 0.483 | 0.520 | 0.542 |
| >8.5 to 8.9 microns | 0.436 | 0.448 | 0.353 | 0.371 | 0.399 | 0.414 |
| >8.9 to 9.1 microns | 0.222 | 0.229 | 0.178 | 0.187 | 0.203 | 0.207 |
| >9.1 to 9.5 microns | 0.431 | 0.443 | 0.344 | 0.363 | 0.393 | 0.400 |
| >9.5 to 9.8 microns | 0.311 | 0.320 | 0.248 | 0.262 | 0.284 | 0.289 |
| >9.8 to 10.1 microns | 0.302 | 0.311 | 0.241 | 0.254 | 0.276 | 0.281 |
| >10.1 to 10.6 microns | 0.520 | 0.537 | 0.408 | 0.433 | 0.472 | 0.470 |
| >10.6 to 11.1 microns | 0.496 | 0.512 | 0.389 | 0.413 | 0.451 | 0.449 |
| >11.1 to 11.3 microns | 0.192 | 0.198 | 0.151 | 0.160 | 0.175 | 0.174 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.380 | 0.391 | 0.296 | 0.314 | 0.343 | 0.339 |
| >11.7 to 14 microns | 2.060 | 2.100 | 1.570 | 1.670 | 1.840 | 1.760 |
| >14 to 14.8 microns | 0.666 | 0.679 | 0.499 | 0.533 | 0.589 | 0.552 |
| >14.8 to 15.6 microns | 0.661 | 0.669 | 0.489 | 0.521 | 0.577 | 0.532 |
| >15.6 to 16 microns | 0.330 | 0.333 | 0.242 | 0.258 | 0.286 | 0.260 |
| >16 to 20 microns | 3.070 | 3.060 | 2.210 | 2.350 | 2.620 | 2.320 |
| >20 to 23 microns, Phi 5.5 | 2.180 | 2.130 | 1.510 | 1.610 | 1.790 | 1.510 |
| >23 to 27 microns | 2.890 | 2.760 | 1.940 | 2.080 | 2.300 | 1.870 |
| >27 to 31 microns, Phi 5 | 2.970 | 2.790 | 1.970 | 2.100 | 2.300 | 1.820 |
| >31 to 32 microns | 0.782 | 0.729 | 0.519 | 0.547 | 0.596 | 0.467 |
| >32 to 35.6 microns | 2.850 | 2.660 | 1.920 | 1.990 | 2.170 | 1.710 |
| >35.6 to 37 microns, Phi 4.75 | 1.180 | 1.100 | 0.805 | 0.819 | 0.890 | 0.705 |
| >37 to 39.6 microns | 2.150 | 2.000 | 1.480 | 1.500 | 1.630 | 1.290 |
| >39.6 to 43.6 microns | 3.730 | 3.480 | 2.650 | 2.610 | 2.830 | 2.280 |
| >43.6 to 44 microns, Phi 4.5 | 0.353 | 0.330 | 0.252 | 0.248 | 0.268 | 0.217 |
| >44 to 45 microns | 0.883 | 0.825 | 0.631 | 0.620 | 0.672 | 0.543 |
| >45 to 46.4 microns | 1.490 | 1.390 | 1.100 | 1.070 | 1.150 | 0.945 |
| >46.4 to 53 microns, Phi 4.25 | 6.740 | 6.270 | 5.050 | 4.930 | 5.240 | 4.360 |
| >53 to 62.5 microns, Phi 4 | 9.980 | 9.230 | 7.990 | 7.930 | 8.150 | 7.100 |
| >62.5 to 64 microns | 1.540 | 1.410 | 1.290 | 1.290 | 1.300 | 1.170 |
| >64 to 71.7 microns | 7.420 | 6.810 | 6.610 | 6.670 | 6.570 | 6.200 |
| >71.7 to 74 microns | 2.080 | 1.900 | 1.950 | 1.970 | 1.910 | 1.870 |
| >74 to 79.6 microns | 4.640 | 4.280 | 4.600 | 4.660 | 4.450 | 4.500 |
| >79.6 to 87.6 microns | 5.780 | 5.370 | 6.230 | 6.330 | 5.920 | 6.280 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-19 | E-19 | E-20 | E-20 | E-20 | E-21 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P201987 | P210469 | P202690 | P210479 | P222177 | P202694 |
| | 16-JAN-2003 | 08-APR-2003 | 21-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 21-JAN-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.275 | 0.256 | 0.297 | 0.301 | 0.282 | 0.299 |
| >88 to 90 microns | 1.200 | 1.140 | 1.430 | 1.450 | 1.330 | 1.480 |
| >90 to 105 microns, Phi 3.25 | 7.320 | 7.140 | 9.490 | 9.640 | 8.730 | 9.950 |
| >105 to 125 microns, Phi 3 | 5.710 | 6.130 | 8.960 | 9.100 | 8.080 | 9.540 |
| >125 to 149 microns, Phi 2.75 | 3.340 | 4.240 | 6.510 | 6.540 | 5.820 | 6.890 |
| >149 to 160 microns | 0.749 | 1.160 | 1.800 | 1.770 | 1.610 | 1.870 |
| >160 to 177 microns, Phi 2.5 | 0.772 | 1.340 | 2.090 | 2.020 | 1.870 | 2.150 |
| >177 to 197 microns | 0.427 | 0.951 | 1.460 | 1.360 | 1.320 | 1.470 |
| >197 to 210 microns, Phi 2.25 | 0.150 | 0.404 | 0.613 | 0.546 | 0.558 | 0.610 |
| >210 to 217 microns | 0.060 | 0.182 | 0.273 | 0.238 | 0.250 | 0.270 |
| >217 to 245 microns | 0.156 | 0.533 | 0.795 | 0.669 | 0.729 | 0.780 |
| >245 to 250 microns, Phi 2 | 0.017 | 0.070 | 0.103 | 0.083 | 0.095 | 0.100 |
| >250 to 300 microns, Phi 1.75 | 0.041 | 0.465 | 0.679 | 0.516 | 0.631 | 0.656 |
| >300 to 320 microns | 0.000 | 0.098 | 0.140 | 0.094 | 0.132 | 0.134 |
| >320 to 350 microns, Phi 1.5 | 0.000 | 0.128 | 0.181 | 0.120 | 0.172 | 0.174 |
| >350 to 360 microns | 0.000 | 0.031 | 0.043 | 0.027 | 0.041 | 0.041 |
| >360 to 400 microns | 0.000 | 0.112 | 0.156 | 0.086 | 0.151 | 0.150 |
| >400 to 420 microns, Phi 1.25 | 0.000 | 0.043 | 0.058 | 0.000 | 0.057 | 0.057 |
| >420 to 440 microns | 0.000 | 0.041 | 0.055 | 0.000 | 0.054 | 0.054 |
| >440 to 500 microns, Phi 1 | 0.000 | 0.068 | 0.132 | 0.000 | 0.133 | 0.131 |
| >500 to 590 microns, Phi 0.75 | 0.000 | 0.015 | 0.034 | 0.000 | 0.034 | 0.034 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.015 | 100.022 | 100.024 | 99.997 | 100.000 | 100.031 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-21 | E-23 | E-23 | E-23 | E-23 DUP | E-23 DUP |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P210484 | P202706 | P210496 | P222182 | P202707 | P210489 |
| | 08-APR-2003 | 21-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 21-JAN-2003 | 08-APR-2003 |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.113 | 0.000 | 0.100 | 0.000 | 0.000 |
| >1 to 1.5 microns, Phi 9.5 | 0.434 | 0.337 | 0.406 | 0.493 | 0.260 | 0.457 |
| >1.5 to 2 microns, Phi 9 | 0.564 | 0.563 | 0.559 | 0.624 | 0.541 | 0.566 |
| >2.0 to 2.4 microns | 0.511 | 0.536 | 0.527 | 0.558 | 0.543 | 0.493 |
| >2.4 to 2.9 microns, Phi 8.5 | 0.654 | 0.709 | 0.693 | 0.708 | 0.723 | 0.617 |
| >2.9 to 3.4 microns | 0.656 | 0.728 | 0.711 | 0.706 | 0.746 | 0.607 |
| >3.4 to 3.9 microns, Phi 8 | 0.687 | 0.748 | 0.762 | 0.736 | 0.805 | 0.623 |
| >3.9 to 4 microns | 0.139 | 0.151 | 0.155 | 0.149 | 0.165 | 0.126 |
| >4.0 to 4.3 microns | 0.398 | 0.433 | 0.446 | 0.427 | 0.473 | 0.361 |
| >4.3 to 4.5 microns | 0.255 | 0.276 | 0.286 | 0.274 | 0.304 | 0.231 |
| >4.5 to 5 microns | 0.663 | 0.690 | 0.752 | 0.711 | 0.803 | 0.597 |
| >5 to 5.5 microns | 0.645 | 0.656 | 0.735 | 0.694 | 0.792 | 0.583 |
| >5.5 to 5.7 microns | 0.247 | 0.250 | 0.282 | 0.267 | 0.305 | 0.224 |
| >5.7 to 5.9 microns, Phi 7.5 | 0.242 | 0.801 | 0.277 | 0.261 | 0.300 | 0.219 |
| >5.9 to 7.8 microns, Phi 7 | 2.200 | 1.550 | 2.530 | 2.390 | 2.790 | 2.010 |
| >7.8 to 8 microns | 0.218 | 0.202 | 0.252 | 0.240 | 0.283 | 0.205 |
| >8 to 8.5 microns | 0.522 | 0.483 | 0.604 | 0.574 | 0.677 | 0.490 |
| >8.5 to 8.9 microns | 0.400 | 0.370 | 0.463 | 0.440 | 0.521 | 0.377 |
| >8.9 to 9.1 microns | 0.201 | 0.184 | 0.233 | 0.223 | 0.265 | 0.193 |
| >9.1 to 9.5 microns | 0.389 | 0.355 | 0.451 | 0.432 | 0.512 | 0.374 |
| >9.5 to 9.8 microns | 0.281 | 0.257 | 0.326 | 0.312 | 0.370 | 0.270 |
| >9.8 to 10.1 microns | 0.273 | 0.249 | 0.316 | 0.303 | 0.359 | 0.262 |
| >10.1 to 10.6 microns | 0.461 | 0.411 | 0.536 | 0.516 | 0.617 | 0.453 |
| >10.6 to 11.1 microns | 0.440 | 0.392 | 0.511 | 0.492 | 0.589 | 0.432 |
| >11.1 to 11.3 microns | 0.171 | 0.152 | 0.198 | 0.191 | 0.228 | 0.167 |
| >11.3 to 11.7 microns, Phi 6.5 | 0.333 | 0.647 | 0.387 | 0.374 | 0.447 | 0.331 |
| >11.7 to 14 microns | 1.740 | 1.290 | 2.030 | 1.980 | 2.360 | 1.790 |
| >14 to 14.8 microns | 0.551 | 0.523 | 0.643 | 0.630 | 0.752 | 0.578 |
| >14.8 to 15.6 microns | 0.532 | 0.520 | 0.623 | 0.613 | 0.730 | 0.570 |
| >15.6 to 16 microns | 0.260 | 0.260 | 0.306 | 0.302 | 0.358 | 0.284 |
| >16 to 20 microns | 2.340 | 2.400 | 2.760 | 2.730 | 3.230 | 2.620 |
| >20 to 23 microns, Phi 5.5 | 1.540 | 1.710 | 1.840 | 1.820 | 2.140 | 1.830 |
| >23 to 27 microns | 1.890 | 2.270 | 2.310 | 2.280 | 2.640 | 2.380 |
| >27 to 31 microns, Phi 5 | 1.810 | 2.310 | 2.270 | 2.220 | 2.540 | 2.400 |
| >31 to 32 microns | 0.457 | 0.605 | 0.583 | 0.565 | 0.644 | 0.624 |
| >32 to 35.6 microns | 1.650 | 2.200 | 2.100 | 2.040 | 2.310 | 2.270 |
| >35.6 to 37 microns, Phi 4.75 | 0.668 | 0.901 | 0.854 | 0.826 | 0.934 | 0.927 |
| >37 to 39.6 microns | 1.220 | 1.650 | 1.550 | 1.510 | 1.700 | 1.690 |
| >39.6 to 43.6 microns | 2.160 | 2.870 | 2.650 | 2.590 | 2.880 | 2.900 |
| >43.6 to 44 microns, Phi 4.5 | 0.205 | 0.272 | 0.251 | 0.245 | 0.274 | 0.275 |
| >44 to 45 microns | 0.514 | 0.681 | 0.628 | 0.613 | 0.683 | 0.688 |
| >45 to 46.4 microns | 0.915 | 1.150 | 1.060 | 1.040 | 1.140 | 1.160 |
| >46.4 to 53 microns, Phi 4.25 | 4.260 | 5.240 | 4.830 | 4.740 | 5.160 | 5.260 |
| >53 to 62.5 microns, Phi 4 | 7.150 | 8.050 | 7.540 | 7.360 | 7.800 | 8.070 |
| >62.5 to 64 microns | 1.190 | 1.280 | 1.210 | 1.180 | 1.230 | 1.280 |
| >64 to 71.7 microns | 6.310 | 6.460 | 6.210 | 5.980 | 6.130 | 6.470 |
| >71.7 to 74 microns | 1.900 | 1.880 | 1.830 | 1.750 | 1.770 | 1.880 |
| >74 to 79.6 microns | 4.590 | 4.380 | 4.300 | 4.100 | 4.080 | 4.390 |
| >79.6 to 87.6 microns | 6.420 | 5.800 | 5.800 | 5.510 | 5.360 | 5.840 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-21 | E-23 | E-23 | E-23 | E-23 DUP | E-23 DUP |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P210484 | P202706 | P210496 | P222182 | P202707 | P210489 |
| | 08-APR-2003 | 21-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 21-JAN-2003 | 08-APR-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.305 | 0.276 | 0.276 | 0.262 | 0.255 | 0.278 |
| >88 to 90 microns | 1.520 | 1.320 | 1.330 | 1.260 | 1.200 | 1.320 |
| >90 to 105 microns, Phi 3.25 | 10.300 | 8.680 | 8.840 | 8.350 | 7.780 | 8.680 |
| >105 to 125 microns, Phi 3 | 9.980 | 8.150 | 8.440 | 7.960 | 7.150 | 8.170 |
| >125 to 149 microns, Phi 2.75 | 7.240 | 6.010 | 6.180 | 5.940 | 5.180 | 6.020 |
| >149 to 160 microns | 1.950 | 1.700 | 1.700 | 1.700 | 1.450 | 1.690 |
| >160 to 177 microns, Phi 2.5 | 2.220 | 2.000 | 1.960 | 2.020 | 1.690 | 1.980 |
| >177 to 197 microns | 1.490 | 1.440 | 1.340 | 1.490 | 1.210 | 1.400 |
| >197 to 210 microns, Phi 2.25 | 0.600 | 0.621 | 0.541 | 0.654 | 0.517 | 0.588 |
| >210 to 217 microns | 0.262 | 0.280 | 0.237 | 0.298 | 0.232 | 0.263 |
| >217 to 245 microns | 0.740 | 0.828 | 0.667 | 0.898 | 0.682 | 0.760 |
| >245 to 250 microns, Phi 2 | 0.092 | 0.110 | 0.083 | 0.122 | 0.090 | 0.098 |
| >250 to 300 microns, Phi 1.75 | 0.576 | 0.736 | 0.513 | 0.854 | 0.597 | 0.636 |
| >300 to 320 microns | 0.106 | 0.159 | 0.091 | 0.203 | 0.125 | 0.125 |
| >320 to 350 microns, Phi 1.5 | 0.135 | 0.206 | 0.116 | 0.269 | 0.162 | 0.161 |
| >350 to 360 microns | 0.030 | 0.050 | 0.025 | 0.071 | 0.039 | 0.037 |
| >360 to 400 microns | 0.106 | 0.182 | 0.079 | 0.263 | 0.140 | 0.133 |
| >400 to 420 microns, Phi 1.25 | 0.036 | 0.069 | 0.000 | 0.112 | 0.053 | 0.047 |
| >420 to 440 microns | 0.035 | 0.066 | 0.000 | 0.106 | 0.050 | 0.045 |
| >440 to 500 microns, Phi 1 | 0.019 | 0.159 | 0.000 | 0.291 | 0.121 | 0.105 |
| >500 to 590 microns, Phi 0.75 | 0.000 | 0.041 | 0.000 | 0.389 | 0.031 | 0.027 |
| >590 to 630 microns | 0.000 | 0.000 | 0.000 | 0.163 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.000 | 0.249 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.000 | 0.051 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.000 | 0.216 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 99.998 | 100.028 | 99.994 | 100.024 | 100.017 | 100.007 |

POINT LOMA WASTEWATER TREATMENT PLANT

SEDIMENT QUARTERLY - Grain Size - Standard Stations
(all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-25 | | E-25 | | E-26 | | E-26 | |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------|
| | P202715 21-JAN-2003 | P210502 08-APR-2003 | P222189 15-JUL-2003 | P202721 21-JAN-2003 | P210612 09-APR-2003 | P222195 15-JUL-2003 | | |
| <0.500 microns, Phi 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >0.5 to 1 microns, Phi 10 | 0.000 | 0.104 | 0.000 | 0.102 | 0.000 | 0.000 | 0.051 | |
| >1 to 1.5 microns, Phi 9.5 | 0.460 | 0.504 | 0.437 | 0.520 | 0.464 | 0.485 | 0.485 | |
| >1.5 to 2 microns, Phi 9 | 0.622 | 0.630 | 0.578 | 0.674 | 0.627 | 0.633 | 0.633 | |
| >2.0 to 2.4 microns | 0.573 | 0.558 | 0.528 | 0.605 | 0.581 | 0.576 | 0.576 | |
| >2.4 to 2.9 microns, Phi 8.5 | 0.735 | 0.705 | 0.679 | 0.765 | 0.753 | 0.738 | 0.738 | |
| >2.9 to 3.4 microns | 0.736 | 0.699 | 0.681 | 0.757 | 0.763 | 0.738 | 0.738 | |
| >3.4 to 3.9 microns, Phi 8 | 0.771 | 0.723 | 0.715 | 0.784 | 0.808 | 0.774 | 0.774 | |
| >3.9 to 4 microns | 0.155 | 0.146 | 0.144 | 0.157 | 0.165 | 0.157 | 0.157 | |
| >4.0 to 4.3 microns | 0.444 | 0.418 | 0.414 | 0.451 | 0.473 | 0.449 | 0.449 | |
| >4.3 to 4.5 microns | 0.284 | 0.267 | 0.265 | 0.289 | 0.303 | 0.288 | 0.288 | |
| >4.5 to 5 microns | 0.735 | 0.690 | 0.689 | 0.744 | 0.794 | 0.747 | 0.747 | |
| >5 to 5.5 microns | 0.712 | 0.671 | 0.670 | 0.722 | 0.778 | 0.726 | 0.726 | |
| >5.5 to 5.7 microns | 0.273 | 0.257 | 0.257 | 0.277 | 0.299 | 0.279 | 0.279 | |
| >5.7 to 5.9 microns, Phi 7.5 | 0.267 | 0.252 | 0.252 | 0.270 | 0.294 | 0.273 | 0.273 | |
| >5.9 to 7.8 microns, Phi 7 | 2.400 | 2.280 | 2.280 | 2.440 | 2.700 | 2.480 | 2.480 | |
| >7.8 to 8 microns | 0.238 | 0.227 | 0.226 | 0.244 | 0.272 | 0.248 | 0.248 | |
| >8 to 8.5 microns | 0.570 | 0.544 | 0.542 | 0.584 | 0.651 | 0.592 | 0.592 | |
| >8.5 to 8.9 microns | 0.437 | 0.418 | 0.416 | 0.448 | 0.500 | 0.455 | 0.455 | |
| >8.9 to 9.1 microns | 0.220 | 0.211 | 0.209 | 0.227 | 0.253 | 0.230 | 0.230 | |
| >9.1 to 9.5 microns | 0.426 | 0.408 | 0.405 | 0.439 | 0.490 | 0.444 | 0.444 | |
| >9.5 to 9.8 microns | 0.308 | 0.295 | 0.293 | 0.317 | 0.354 | 0.321 | 0.321 | |
| >9.8 to 10.1 microns | 0.299 | 0.286 | 0.284 | 0.308 | 0.344 | 0.311 | 0.311 | |
| >10.1 to 10.6 microns | 0.506 | 0.487 | 0.480 | 0.524 | 0.588 | 0.529 | 0.529 | |
| >10.6 to 11.1 microns | 0.482 | 0.464 | 0.458 | 0.500 | 0.561 | 0.505 | 0.505 | |
| >11.1 to 11.3 microns | 0.187 | 0.180 | 0.177 | 0.194 | 0.217 | 0.196 | 0.196 | |
| >11.3 to 11.7 microns, Phi 6.5 | 0.366 | 0.353 | 0.347 | 0.381 | 0.426 | 0.384 | 0.384 | |
| >11.7 to 14 microns | 1.930 | 1.870 | 1.830 | 2.030 | 2.250 | 2.030 | 2.030 | |
| >14 to 14.8 microns | 0.616 | 0.597 | 0.579 | 0.648 | 0.715 | 0.645 | 0.645 | |
| >14.8 to 15.6 microns | 0.601 | 0.583 | 0.563 | 0.636 | 0.694 | 0.630 | 0.630 | |
| >15.6 to 16 microns | 0.296 | 0.288 | 0.277 | 0.315 | 0.341 | 0.310 | 0.310 | |
| >16 to 20 microns | 2.700 | 2.620 | 2.500 | 2.880 | 3.080 | 2.820 | 2.820 | |
| >20 to 23 microns, Phi 5.5 | 1.830 | 1.780 | 1.670 | 1.980 | 2.050 | 1.910 | 1.910 | |
| >23 to 27 microns | 2.350 | 2.280 | 2.100 | 2.560 | 2.550 | 2.430 | 2.430 | |
| >27 to 31 microns, Phi 5 | 2.330 | 2.280 | 2.070 | 2.570 | 2.480 | 2.410 | 2.410 | |
| >31 to 32 microns | 0.597 | 0.589 | 0.533 | 0.668 | 0.632 | 0.623 | 0.623 | |
| >32 to 35.6 microns | 2.140 | 2.130 | 1.930 | 2.420 | 2.280 | 2.260 | 2.260 | |
| >35.6 to 37 microns, Phi 4.75 | 0.862 | 0.869 | 0.789 | 0.986 | 0.931 | 0.922 | 0.922 | |
| >37 to 39.6 microns | 1.570 | 1.580 | 1.440 | 1.790 | 1.700 | 1.680 | 1.680 | |
| >39.6 to 43.6 microns | 2.660 | 2.720 | 2.490 | 3.040 | 2.930 | 2.890 | 2.890 | |
| >43.6 to 44 microns, Phi 4.5 | 0.253 | 0.258 | 0.236 | 0.289 | 0.278 | 0.275 | 0.275 | |
| >44 to 45 microns | 0.632 | 0.644 | 0.590 | 0.720 | 0.696 | 0.685 | 0.685 | |
| >45 to 46.4 microns | 1.070 | 1.090 | 1.000 | 1.190 | 1.170 | 1.150 | 1.150 | |
| >46.4 to 53 microns, Phi 4.25 | 4.890 | 4.970 | 4.580 | 5.370 | 5.320 | 5.240 | 5.240 | |
| >53 to 62.5 microns, Phi 4 | 7.640 | 7.700 | 7.120 | 8.010 | 8.020 | 7.970 | 7.970 | |
| >62.5 to 64 microns | 1.230 | 1.230 | 1.140 | 1.250 | 1.250 | 1.260 | 1.260 | |
| >64 to 71.7 microns | 6.220 | 6.230 | 5.800 | 6.250 | 6.240 | 6.310 | 6.310 | |
| >71.7 to 74 microns | 1.820 | 1.820 | 1.700 | 1.800 | 1.790 | 1.830 | 1.830 | |
| >74 to 79.6 microns | 4.260 | 4.260 | 3.990 | 4.160 | 4.140 | 4.240 | 4.240 | |
| >79.6 to 87.6 microns | 5.720 | 5.710 | 5.390 | 5.470 | 5.450 | 5.610 | 5.610 | |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT QUARTERLY - Grain Size - Standard Stations
 (all values are in percent distribution)

From 01-JAN-2003 to 31-DEC-2003

| Analyte | E-25 | | E-25 | E-26 | | E-26 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | P202715 | P210502 | P222189 | P202721 | P210612 | P222195 |
| | 21-JAN-2003 | 08-APR-2003 | 15-JUL-2003 | 21-JAN-2003 | 09-APR-2003 | 15-JUL-2003 |
| >87.6 to 88 microns, Phi 3.5 | 0.272 | 0.272 | 0.256 | 0.260 | 0.259 | 0.267 |
| >88 to 90 microns | 1.310 | 1.310 | 1.240 | 1.220 | 1.220 | 1.260 |
| >90 to 105 microns, Phi 3.25 | 8.720 | 8.680 | 8.310 | 7.950 | 7.920 | 8.230 |
| >105 to 125 microns, Phi 3 | 8.390 | 8.380 | 8.200 | 7.330 | 7.260 | 7.610 |
| >125 to 149 microns, Phi 2.75 | 6.250 | 6.320 | 6.410 | 5.300 | 5.210 | 5.490 |
| >149 to 160 microns | 1.750 | 1.800 | 1.920 | 1.480 | 1.430 | 1.520 |
| >160 to 177 microns, Phi 2.5 | 2.030 | 2.100 | 2.320 | 1.720 | 1.660 | 1.770 |
| >177 to 197 microns | 1.400 | 1.470 | 1.770 | 1.220 | 1.160 | 1.250 |
| >197 to 210 microns, Phi 2.25 | 0.571 | 0.608 | 0.792 | 0.516 | 0.487 | 0.532 |
| >210 to 217 microns | 0.251 | 0.269 | 0.365 | 0.231 | 0.217 | 0.238 |
| >217 to 245 microns | 0.705 | 0.762 | 1.110 | 0.676 | 0.630 | 0.697 |
| >245 to 250 microns, Phi 2 | 0.087 | 0.096 | 0.152 | 0.088 | 0.081 | 0.092 |
| >250 to 300 microns, Phi 1.75 | 0.534 | 0.596 | 1.080 | 0.583 | 0.531 | 0.605 |
| >300 to 320 microns | 0.092 | 0.108 | 0.260 | 0.120 | 0.107 | 0.127 |
| >320 to 350 microns, Phi 1.5 | 0.116 | 0.138 | 0.347 | 0.156 | 0.138 | 0.165 |
| >350 to 360 microns | 0.024 | 0.030 | 0.093 | 0.037 | 0.032 | 0.039 |
| >360 to 400 microns | 0.078 | 0.109 | 0.345 | 0.133 | 0.115 | 0.142 |
| >400 to 420 microns, Phi 1.25 | 0.000 | 0.039 | 0.149 | 0.049 | 0.042 | 0.053 |
| >420 to 440 microns | 0.000 | 0.037 | 0.142 | 0.047 | 0.040 | 0.050 |
| >440 to 500 microns, Phi 1 | 0.000 | 0.021 | 0.397 | 0.113 | 0.022 | 0.120 |
| >500 to 590 microns, Phi 0.75 | 0.000 | 0.000 | 0.547 | 0.029 | 0.000 | 0.031 |
| >590 to 630 microns | 0.000 | 0.000 | 0.239 | 0.000 | 0.000 | 0.000 |
| >630 to 696 microns | 0.000 | 0.000 | 0.370 | 0.000 | 0.000 | 0.000 |
| >696 to 710 microns, Phi 0.5 | 0.000 | 0.000 | 0.077 | 0.000 | 0.000 | 0.000 |
| >710 to 773 microns | 0.000 | 0.000 | 0.330 | 0.000 | 0.000 | 0.000 |
| >773 to 840 microns, Phi 0.25 | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 |
| >840 to 850 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >850 to 930 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >930 to 1000 microns, Phi 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 to 1100 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1100 to 1190 microns, Phi -0.25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1190 to 1300 microns | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1300 to 1410 microns, Phi -0.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1410 to 1680 microns, Phi -0.75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| >1680 to 2000 microns, Phi -1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Totals: | 100.003 | 100.020 | 99.985 | 100.013 | 100.006 | 100.027 |

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL Total Organic Carbon/Total Nitrogen - Standard Stations by Quarter

From 01-JAN-2003 to 31-DEC-2003

| Analyte | MDL | Units | B-8 Avg | B-9 Avg | B-9 DUP Avg | B-10 Avg | B-11 Avg | B-12 Avg | B-13 Avg |
|----------------------|------|-------|------------|------------|----------------|-------------|-------------|-------------|-------------|
| Total Nitrogen | .005 | WT% | 0.084 | 0.062 | 0.069 | 0.056 | 0.101 | 0.113 | 0.118 |
| Total Organic Carbon | .01 | WT% | 0.784 | 0.545 | 0.610 | 0.502 | 0.930 | 0.949 | 1.960 |

| Analyte | MDL | Units | E-1 Avg | E-2 Avg | E-3 Avg | E-5 Avg | E-7 Avg | E-8 Avg | E-9 Avg |
|----------------------|------|-------|------------|------------|------------|------------|------------|------------|------------|
| Total Nitrogen | .005 | WT% | 0.056 | 0.047 | 0.033 | 0.048 | 0.061 | 0.044 | 0.061 |
| Total Organic Carbon | .01 | WT% | 0.543 | 0.483 | 0.336 | 0.459 | 0.590 | 0.411 | 0.586 |

| Analyte | MDL | Units | E-11 Avg | E-14 Avg | E-14 DUP Avg | E-15 Avg | E-17 Avg | E-19 Avg | E-20 Avg |
|----------------------|------|-------|-------------|-------------|-----------------|-------------|-------------|-------------|-------------|
| Total Nitrogen | .005 | WT% | 0.044 | 0.046 | 0.060 | 0.057 | 0.048 | 0.063 | 0.056 |
| Total Organic Carbon | .01 | WT% | 0.390 | 0.438 | 0.562 | 0.513 | 0.438 | 0.548 | 0.514 |

| Analyte | MDL | Units | E-21 Avg | E-23 Avg | E-23 DUP Avg | E-25 Avg | E-26 Avg |
|----------------------|------|-------|-------------|-------------|-----------------|-------------|-------------|
| Total Nitrogen | .005 | WT% | 0.061 | 0.060 | 0.058 | 0.063 | 0.065 |
| Total Organic Carbon | .01 | WT% | 0.559 | 0.556 | 0.556 | 0.576 | 0.587 |

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL OCEAN SEDIMENT - STANDARD
Trace Metals

From: 01-JAN-2003 to: 31-DEC-2003

| Source: | | B-8 | B-9 | B-9 DUP | B-10 | B-11 | B-12 | B-13 |
|-----------|------------|---------|---------|---------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 5 MG/KG | 15900 | 10300 | 10200 | 8600 | 13200 | 8270 | 7700 |
| Antimony | 5 MG/KG | <5.00 | ND | ND | ND | ND | <5.00 | <5.00 |
| Arsenic | .33 MG/KG | 3.89 | 3.51 | 3.39 | 3.27 | 3.63 | 4.70 | 16.50 |
| Beryllium | .2 MG/KG | ND | <0.20 | <0.20 | ND | ND | <0.20 | ND |
| Cadmium | .5 MG/KG | ND | <0.50 | <0.50 | ND | 1.40 | 0.96 | ND |
| Chromium | 3 MG/KG | 23.8 | 21.8 | 20.3 | 20.2 | 24.8 | 25.0 | 34.9 |
| Copper | 2 MG/KG | 10.10 | 7.13 | 7.33 | 4.40 | 8.00 | 7.03 | 4.00 |
| Iron | 3 MG/KG | 17000 | 17300 | 15600 | 14600 | 18500 | 21400 | 26100 |
| Lead | 5 MG/KG | <5.00 | <5.00 | <5.00 | ND | <5.00 | <5.00 | <5.00 |
| Manganese | .48 MG/KG | 144.0 | 107.0 | 104.0 | 80.6 | 127.0 | 76.2 | 77.0 |
| Mercury | .003 MG/KG | 0.043 | 0.032 | 0.016 | 0.022 | 0.040 | 0.022 | 0.021 |
| Nickel | 3 MG/KG | 4.70 | 5.23 | 5.57 | 3.45 | 5.30 | 4.07 | 3.50 |
| Selenium | .24 MG/KG | ND | ND | ND | ND | 0.368 | ND | ND |
| Silver | 3 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Thallium | 10 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 12 MG/KG | ND | <12.0 | <12.0 | ND | ND | <12.0 | ND |
| Zinc | 4 MG/KG | 36.7 | 33.5 | 34.3 | 29.1 | 38.5 | 37.5 | 36.7 |

| Source: | | E-1 | E-2 | E-3 | E-5 | E-7 | E-8 | E-9 |
|-----------|------------|---------|---------|---------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 5 MG/KG | 11100 | 12300 | 13300 | 9120 | 11700 | 8280 | 9180 |
| Antimony | 5 MG/KG | ND | ND | ND | ND | <5.00 | ND | ND |
| Arsenic | .33 MG/KG | 3.60 | 3.07 | 3.33 | 2.66 | 2.61 | 2.76 | 6.53 |
| Beryllium | .2 MG/KG | 0.70 | <0.20 | ND | <0.20 | ND | <0.20 | ND |
| Cadmium | .5 MG/KG | ND | <0.50 | ND | <0.50 | ND | <0.50 | ND |
| Chromium | 3 MG/KG | 14.8 | 18.5 | 17.3 | 15.2 | 18.6 | 15.0 | 21.9 |
| Copper | 2 MG/KG | 9.75 | 14.80 | 14.20 | 7.45 | 4.95 | 6.89 | 43.70 |
| Iron | 3 MG/KG | 13100 | 16100 | 15000 | 11100 | 13000 | 10300 | 14700 |
| Lead | 5 MG/KG | ND | <5.00 | ND | <5.00 | ND | <5.00 | <5.00 |
| Manganese | .48 MG/KG | 99.7 | 116.0 | 121.0 | 88.2 | 109.0 | 82.9 | 90.3 |
| Mercury | .003 MG/KG | 0.065 | 0.056 | 0.055 | 0.037 | 0.052 | 0.024 | 0.020 |
| Nickel | 3 MG/KG | 8.55 | 6.99 | 3.30 | 4.38 | 4.35 | 4.52 | 3.65 |
| Selenium | .24 MG/KG | <0.240 | <0.240 | ND | ND | ND | ND | <0.240 |
| Silver | 3 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Thallium | 10 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 12 MG/KG | ND | <12.0 | ND | <12.0 | ND | <12.0 | ND |
| Zinc | 4 MG/KG | 30.6 | 35.2 | 33.6 | 23.9 | 30.1 | 22.5 | 69.4 |

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL OCEAN SEDIMENT - STANDARD
Trace Metals

From: 01-JAN-2003 to: 31-DEC-2003

| Source: | | E-11 | E-14 | E-14 DUP | E-15 | E-17 | E-19 | E-20 |
|-----------|------------|---------|---------|----------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 5 MG/KG | 7770 | 8160 | 8600 | 9590 | 8800 | 14100 | 9520 |
| Antimony | 5 MG/KG | ND | ND | ND | ND | ND | <5.00 | ND |
| Arsenic | .33 MG/KG | 2.72 | 3.27 | 4.34 | 3.20 | 2.75 | 3.42 | 2.94 |
| Beryllium | .2 MG/KG | <0.20 | <0.20 | <0.20 | ND | <0.20 | ND | <0.20 |
| Cadmium | .5 MG/KG | <0.50 | <0.50 | <0.50 | ND | <0.50 | ND | <0.50 |
| Chromium | 3 MG/KG | 14.3 | 15.2 | 16.0 | 16.7 | 15.0 | 20.6 | 16.4 |
| Copper | 2 MG/KG | 5.60 | 7.78 | 8.65 | 5.95 | 9.13 | 7.55 | 8.27 |
| Iron | 3 MG/KG | 9800 | 11000 | 11900 | 11000 | 10700 | 14400 | 11400 |
| Lead | 5 MG/KG | <5.00 | <5.00 | <5.00 | ND | 8.00 | ND | <5.00 |
| Manganese | .48 MG/KG | 78.4 | 90.1 | 104.0 | 86.9 | 91.5 | 131.0 | 96.5 |
| Mercury | .003 MG/KG | 0.047 | 0.022 | 0.028 | 0.027 | 0.021 | 0.036 | 0.027 |
| Nickel | 3 MG/KG | 4.43 | 4.87 | 5.46 | 3.65 | 4.36 | 4.90 | 4.95 |
| Selenium | .24 MG/KG | ND | ND | <0.240 | <0.240 | ND | ND | ND |
| Silver | 3 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Thallium | 10 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 12 MG/KG | <12.0 | <12.0 | <12.0 | ND | <12.0 | ND | <12.0 |
| Zinc | 4 MG/KG | 21.5 | 24.0 | 26.8 | 24.5 | 27.9 | 32.3 | 25.3 |

| Source: | | E-21 | E-23 | E-23 DUP | E-25 | E-26 |
|-----------|------------|---------|---------|----------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average |
| Aluminum | 5 MG/KG | 9550 | 10400 | 12800 | 10100 | 10900 |
| Antimony | 5 MG/KG | ND | ND | ND | ND | <5.00 |
| Arsenic | .33 MG/KG | 2.91 | 3.22 | 2.85 | 3.15 | 3.38 |
| Beryllium | .2 MG/KG | ND | <0.20 | ND | <0.20 | <0.20 |
| Cadmium | .5 MG/KG | ND | <0.50 | ND | <0.50 | <0.50 |
| Chromium | 3 MG/KG | 16.1 | 17.1 | 18.7 | 17.0 | 17.6 |
| Copper | 2 MG/KG | 6.90 | 9.20 | 8.35 | 8.80 | 9.10 |
| Iron | 3 MG/KG | 10900 | 12600 | 13400 | 12200 | 12800 |
| Lead | 5 MG/KG | ND | <5.00 | ND | <5.00 | <5.00 |
| Manganese | .48 MG/KG | 86.8 | 102.0 | 118.0 | 97.9 | 106.0 |
| Mercury | .003 MG/KG | 0.025 | 0.033 | 0.036 | 0.032 | 0.033 |
| Nickel | 3 MG/KG | 3.80 | 5.23 | 4.05 | 5.03 | 5.76 |
| Selenium | .24 MG/KG | ND | ND | ND | ND | ND |
| Silver | 3 MG/KG | ND | ND | ND | ND | ND |
| Thallium | 10 MG/KG | ND | ND | ND | ND | ND |
| Tin | 12 MG/KG | ND | <12.0 | ND | <12.0 | <12.0 |
| Zinc | 4 MG/KG | 23.9 | 27.5 | 29.3 | 32.4 | 28.3 |

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

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL Chlorinated Pesticide Analysis - STANDARD STATIONS

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | B-8 | B-9 | B-9 DUP | B-10 | B-11 | B-12 | B-13 | E-1 |
|----------------------------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Average | Average | Average | Average | Average | Average | Average | Average |
| Aldrin | 7700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 1900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Delta isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 3800 | NG/KG | <3800 | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDT | 11000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | 1400 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | 120 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | 19000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 7600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Aldrin + Dieldrin | 15000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DDT and derivatives | 11000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorinated Hydrocarbons | 19000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL Chlorinated Pesticide Analysis - STANDARD STATIONS

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-2 | E-3 | E-5 | E-7 | E-8 | E-9 | E-11 | E-14 |
|----------------------------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Average | Average | Average | Average | Average | Average | Average | Average |
| Aldrin | 7700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 1900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Delta isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 3800 | NG/KG | ND | ND | ND | ND | <3800 | ND | ND | ND |
| p,p-DDT | 11000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | 1400 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | 120 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | 19000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 7600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Aldrin + Dieldrin | 15000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DDT and derivatives | 11000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorinated Hydrocarbons | 19000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL Chlorinated Pesticide Analysis - STANDARD STATIONS

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-14 DUP | E-15 | E-17 | E-19 | E-20 | E-21 | E-23 | E-23 DUP |
|----------------------------|-------|-------|----------|---------|---------|---------|---------|---------|---------|----------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Average | Average | Average | Average | Average | Average | Average | Average |
| Aldrin | 7700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 1900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Delta isomer | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 3800 | NG/KG | ND | ND | ND | <3800 | ND | ND | <3800 | <3800 |
| p,p-DDT | 11000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | 1400 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | 120 | NG/KG | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | 3800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | 19000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 7600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 5700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | 15000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| Aldrin + Dieldrin | 15000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DDT and derivatives | 11000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 5700 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorinated Hydrocarbons | 19000 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL Chlorinated Pesticide Analysis - STANDARD STATIONS

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-25 | E-26 |
|----------------------------|-------|-------|---------|---------|
| | | | 2003 | 2003 |
| ===== | ===== | ===== | ===== | ===== |
| | | | Average | Average |
| Aldrin | 7700 | NG/KG | ND | ND |
| Dieldrin | 15000 | NG/KG | ND | ND |
| BHC, Alpha isomer | 3800 | NG/KG | ND | ND |
| BHC, Beta isomer | 5700 | NG/KG | ND | ND |
| BHC, Gamma isomer | 1900 | NG/KG | ND | ND |
| BHC, Delta isomer | 3800 | NG/KG | ND | ND |
| p,p-DDD | 3800 | NG/KG | ND | ND |
| p,p-DDE | 3800 | NG/KG | <3800 | ND |
| p,p-DDT | 11000 | NG/KG | ND | ND |
| o,p-DDD | 5700 | NG/KG | ND | ND |
| o,p-DDE | 5700 | NG/KG | ND | ND |
| o,p-DDT | 3800 | NG/KG | ND | ND |
| Heptachlor | 5700 | NG/KG | ND | ND |
| Heptachlor epoxide | 5700 | NG/KG | ND | ND |
| Alpha (cis) Chlordane | 5700 | NG/KG | ND | ND |
| Gamma (trans) Chlordane | 3800 | NG/KG | ND | ND |
| Alpha Chlordene | 1400 | NG/KG | NA | NA |
| Gamma Chlordene | 120 | NG/KG | NA | NA |
| Oxychlordane | 5700 | NG/KG | ND | ND |
| Trans Nonachlor | 3800 | NG/KG | ND | ND |
| Cis Nonachlor | 3800 | NG/KG | ND | ND |
| Alpha Endosulfan | 5700 | NG/KG | ND | ND |
| Beta Endosulfan | 5700 | NG/KG | ND | ND |
| Endosulfan Sulfate | 19000 | NG/KG | ND | ND |
| Endrin | 7600 | NG/KG | ND | ND |
| Endrin aldehyde | 15000 | NG/KG | ND | ND |
| Mirex | 5700 | NG/KG | ND | ND |
| Methoxychlor | 15000 | NG/KG | ND | ND |
| ===== | ===== | ===== | ===== | ===== |
| Aldrin + Dieldrin | 15000 | NG/KG | 0 | 0 |
| Hexachlorocyclohexanes | 5700 | NG/KG | 0 | 0 |
| DDT and derivatives | 11000 | NG/KG | 0 | 0 |
| Chlordane + related cmpds. | 5700 | NG/KG | 0 | 0 |
| ===== | ===== | ===== | ===== | ===== |
| Chlorinated Hydrocarbons | 19000 | NG/KG | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL - PCB Congeners (STANDARD STATIONS)

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | B-8 | B-9 | B-9 DUP | B-10 | B-11 | B-12 | B-13 | E-1 |
|----------------------|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg |
| PCB 18 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 52 | 3100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 49 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 44 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 37 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 74 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 70 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 66 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 101 | 2600 | NG/KG | ND | <2600 | <2600 | ND | ND | ND | ND | <2600 |
| PCB 99 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 119 | 2400 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 87 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 110 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 81 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 151 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 77 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 123 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 118 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 114 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 105 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 138 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 158 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 187 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 183 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 126 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 167 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 177 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 201 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 156 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 157 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 180 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 170 | 3100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| ===== Total PCB's | 3100 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL - PCB Congeners (STANDARD STATIONS)

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-2 | E-3 | E-5 | E-7 | E-8 | E-9 | E-11 | E-14 |
|----------------------|------|-------|------|------|------|------|------|-------|------|------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg |
| PCB 18 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 52 | 3100 | NG/KG | ND | ND | ND | ND | ND | <3100 | ND | ND |
| PCB 49 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 44 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 37 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 74 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 70 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 66 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 101 | 2600 | NG/KG | ND | ND | ND | ND | ND | <2600 | ND | ND |
| PCB 99 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 119 | 2400 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 87 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 110 | 2900 | NG/KG | ND | ND | ND | ND | ND | <2900 | ND | ND |
| PCB 81 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 151 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 77 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 2500 | NG/KG | ND | ND | ND | ND | ND | <2500 | ND | ND |
| PCB 123 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 118 | 2700 | NG/KG | ND | ND | ND | ND | ND | <2700 | ND | ND |
| PCB 114 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 105 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 138 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 158 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 187 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 183 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 126 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 167 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 177 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 201 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 156 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 157 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 180 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 170 | 3100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| ===== Total PCB's | 3100 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL - PCB Congeners (STANDARD STATIONS)

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-14 DUP | E-15 | E-17 | E-19 | E-20 | E-21 | E-23 | E-23 DUP |
|----------------------|------|-------|----------|------|------|------|------|------|------|----------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg |
| PCB 18 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 52 | 3100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 49 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 44 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 37 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 74 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 70 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 66 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 101 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 99 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 119 | 2400 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 87 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 110 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 81 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 151 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 77 | 2100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 2500 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 123 | 2800 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 118 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 114 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 105 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 138 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 158 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 187 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 183 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 126 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 167 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 177 | 3000 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 201 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 156 | 2900 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 157 | 2700 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 180 | 2600 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 170 | 3100 | NG/KG | ND | ND | ND | ND | ND | ND | ND | ND |
| ===== Total PCB's | 3100 | NG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
 SEDIMENT ANNUAL - PCB Congeners (STANDARD STATIONS)

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | E-25 | E-26 |
|-------------|-------|-------|-------|-------|
| | | | 2003 | 2003 |
| ===== | ===== | ===== | ===== | ===== |
| | | | Avg | Avg |
| PCB 18 | 2600 | NG/KG | ND | ND |
| PCB 28 | 3000 | NG/KG | ND | ND |
| PCB 52 | 3100 | NG/KG | ND | ND |
| PCB 49 | 2700 | NG/KG | ND | ND |
| PCB 44 | 2600 | NG/KG | ND | ND |
| PCB 37 | 2100 | NG/KG | ND | ND |
| PCB 74 | 2700 | NG/KG | ND | ND |
| PCB 70 | 2700 | NG/KG | ND | ND |
| PCB 66 | 2100 | NG/KG | ND | ND |
| PCB 101 | 2600 | NG/KG | ND | ND |
| PCB 99 | 2500 | NG/KG | ND | ND |
| PCB 119 | 2400 | NG/KG | ND | ND |
| PCB 87 | 2800 | NG/KG | ND | ND |
| PCB 110 | 2900 | NG/KG | ND | ND |
| PCB 81 | 2500 | NG/KG | ND | ND |
| PCB 151 | 2500 | NG/KG | ND | ND |
| PCB 77 | 2100 | NG/KG | ND | ND |
| PCB 149 | 2500 | NG/KG | ND | ND |
| PCB 123 | 2800 | NG/KG | ND | ND |
| PCB 118 | 2700 | NG/KG | ND | ND |
| PCB 114 | 3000 | NG/KG | ND | ND |
| PCB 105 | 2600 | NG/KG | ND | ND |
| PCB 138 | 3000 | NG/KG | ND | ND |
| PCB 158 | 2600 | NG/KG | ND | ND |
| PCB 187 | 2700 | NG/KG | ND | ND |
| PCB 183 | 2700 | NG/KG | ND | ND |
| PCB 126 | 3000 | NG/KG | ND | ND |
| PCB 128 | 2700 | NG/KG | ND | ND |
| PCB 167 | 3000 | NG/KG | ND | ND |
| PCB 177 | 3000 | NG/KG | ND | ND |
| PCB 201 | 2900 | NG/KG | ND | ND |
| PCB 156 | 2900 | NG/KG | ND | ND |
| PCB 157 | 2700 | NG/KG | ND | ND |
| PCB 180 | 2600 | NG/KG | ND | ND |
| PCB 170 | 3100 | NG/KG | ND | ND |
| ===== | ===== | ===== | ===== | ===== |
| Total PCB's | 3100 | NG/KG | 0 | 0 |

ND=not detected; NS=not sampled; NA=not analyzed
 E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT ANNUAL Base/Neutrals - Standard Stations

From 01-JAN-2003 to 31-DEC-2003

| Analyte | MDL | Units | B-8 | B-9 | B-9 DUP | B-10 | B-11 | B-12 | B-13 | E-1 | E-3 | E-5 | E-7 | E-8 | E-9 | |
|----------------------------|-----|-------|------|------|---------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg |
| Acenaphthene | 42 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Acenaphthylene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Anthracene | 35 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 23 | UG/KG | ND | ND | ND | ND | ND | ND | ND | <23 | <23 | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 21 | UG/KG | ND | ND | ND | ND | ND | ND | ND | <18 | 19 | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 27 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | 28 | ND | ND | ND | ND | <27 |
| Benzo[e]pyrene | 18 | UG/KG | ND | ND | ND | ND | ND | ND | ND | <18 | <18 | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | <25 | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 20 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Biphenyl | 42 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chrysene | 21 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 43 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | <43 | ND | ND | ND | ND |
| Fluoranthene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Fluorene | 46 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 22 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | <22 | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 29 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1-methylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Naphthalene | 36 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | <36 | <36 | ND | <36 | ND | ND |
| Perylene | 18 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 37 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Pyrene | 27 | UG/KG | ND | ND | ND | ND | ND | ND | ND | <27 | 33 | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Base/Neutral Compounds | 46 | UG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 0 |

| Analyte | MDL | Units | E-11 | E-14 | E-14 DUP | E-15 | E-17 | E-19 | E-2 | E-20 | E-21 | E-23 | E-23 DUP | E-25 | E-26 | |
|----------------------------|-----|-------|------|------|----------|------|------|------|------|------|------|------|----------|------|------|------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg | Avg |
| Acenaphthene | 42 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Acenaphthylene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Anthracene | 35 | UG/KG | ND | ND | ND | ND | ND | ND | <35 | ND | ND | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 23 | UG/KG | <23 | ND | ND | ND | ND | ND | <23 | ND | ND | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 21 | UG/KG | <21 | ND | ND | ND | ND | ND | 25 | ND | ND | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 27 | UG/KG | <27 | ND | ND | ND | ND | ND | 40 | ND | ND | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 18 | UG/KG | <18 | ND | ND | ND | ND | ND | <18 | ND | ND | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | <25 | ND | ND | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 20 | UG/KG | ND | ND | ND | ND | ND | ND | <20 | ND | ND | ND | ND | ND | ND | ND |
| Biphenyl | 42 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chrysene | 21 | UG/KG | <21 | ND | ND | ND | ND | ND | <21 | <21 | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 25 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 43 | UG/KG | ND | <43 | ND | ND | <43 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Fluoranthene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | <39 | ND | ND | ND | ND | ND | ND | ND |
| Fluorene | 46 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 22 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 29 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1-methylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Naphthalene | 36 | UG/KG | ND | <36 | <36 | ND | ND | ND | <36 | <36 | ND | <36 | ND | <36 | <36 | <36 |
| Perylene | 18 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 37 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Pyrene | 27 | UG/KG | ND | ND | ND | ND | ND | ND | <27 | ND | ND | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 39 | UG/KG | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Base/Neutral Compounds | 46 | UG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

B. Fish Tissue Data.

Fish were taken from the following stations during 2003. The fish were dissected, preserved by freezing, and each sample analyzed for PAHs, trace metals, chlorinated pesticides and PCBs. Lipids and total solids were also determined for each liver sample.

The reported values are annual averages. Results for individual sampling events are contained in the previously published quarterly reports.

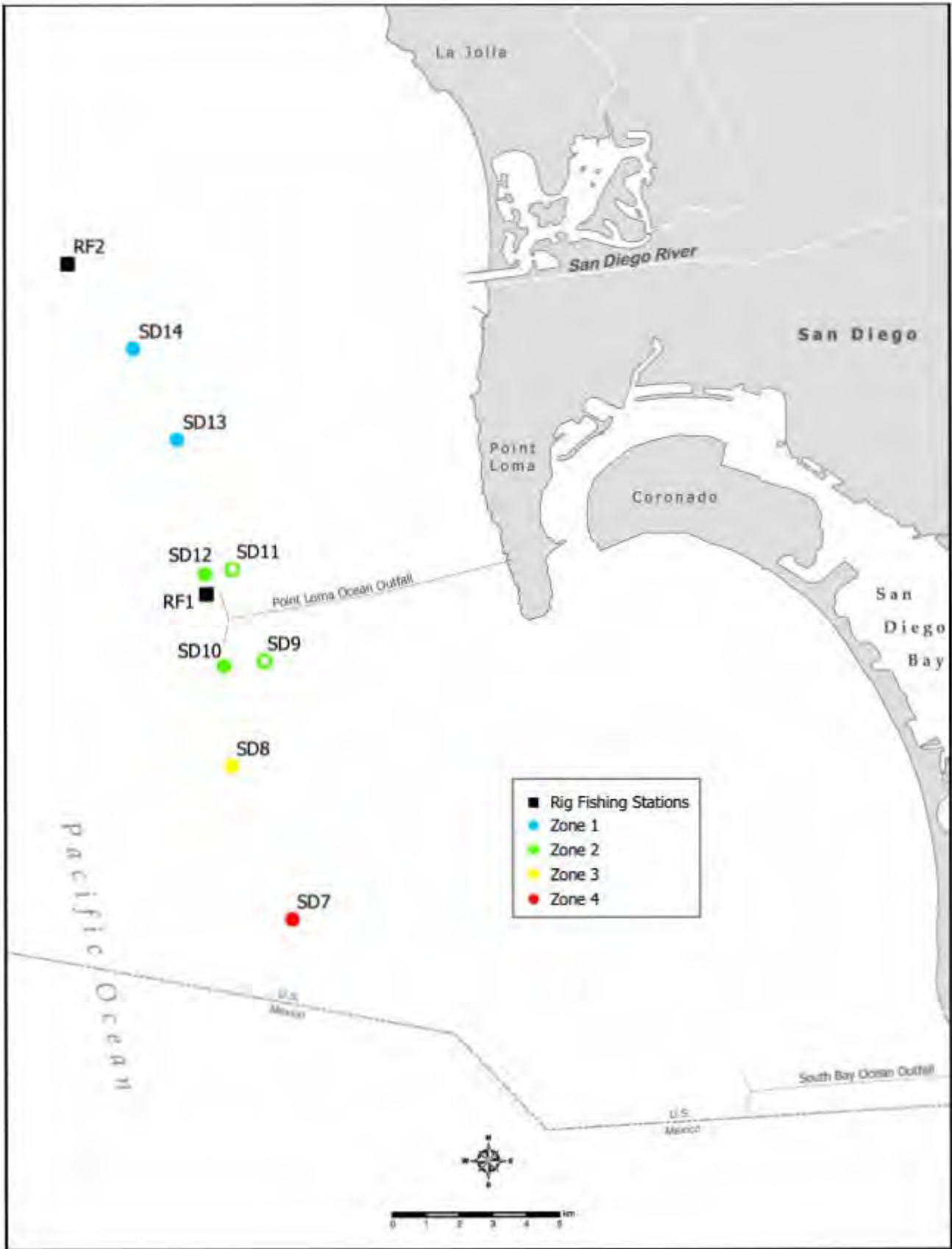
| <u>Station</u> | <u>Station</u> |
|----------------|----------------|
| RF-1 | SD-7 |
| RF-2 | SD-8 |
| | SD-9 |
| | SD-10 |
| | SD-11 |
| | SD-12 |
| | SD-13 |
| | SD-14 |

Additionally, new sampling

TFZONE1
TFZONE2
TFZONE3
TFZONE4



San Diego Rig Fishing and Trawl Stations



New Trawl Stations representing zones (i.e. TFZONE1 through TFZONE4).

POINT LOMA WASTEWATER TREATMENT PLANT

ANNUAL FISH TISSUE - LIVER
Trace Metals

From: 01-JAN-2003 to: 31-DEC-2003

| Source: | | SD-7 | SD-9 | SD-10 | SD-11 | SD-12 | SD-13 | SD-14 |
|--------------|------------|---------|---------|---------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 2.6 MG/KG | 9.27 | 4.17 | 11.50 | 3.45 | 7.07 | 9.33 | 8.47 |
| Antimony | 3.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Arsenic | 1.4 MG/KG | 2.67 | 6.80 | <1.40 | 4.03 | 1.80 | 4.50 | 1.60 |
| Beryllium | .035 MG/KG | ND | ND | ND | ND | <0.04 | ND | ND |
| Cadmium | .34 MG/KG | 1.62 | 3.20 | 3.64 | 2.80 | 2.69 | 2.37 | 2.84 |
| Chromium | .3 MG/KG | <0.30 | 0.45 | <0.30 | ND | <0.30 | ND | ND |
| Copper | .76 MG/KG | 49.70 | 8.11 | 53.50 | 22.30 | 34.40 | 21.50 | 17.50 |
| Iron | 1.3 MG/KG | 103 | 154 | 135 | 155 | 115 | 142 | 98 |
| Lead | 2.5 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Manganese | .23 MG/KG | 0.53 | 1.42 | 0.59 | 0.46 | 0.34 | 0.81 | 0.73 |
| Mercury | .03 MG/KG | 0.050 | 0.063 | 0.162 | 0.128 | 0.041 | <0.030 | 0.055 |
| Nickel | .79 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Selenium | .06 MG/KG | 0.93 | 2.69 | 0.88 | 1.89 | 1.19 | 1.64 | 0.82 |
| Silver | .62 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Thallium | 5.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 4.6 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Zinc | .58 MG/KG | 79.5 | 28.7 | 120.0 | 79.2 | 70.7 | 42.6 | 51.7 |
| Total Solids | .4 WT% | 48.7 | 40.2 | 43.8 | 42.6 | 47.1 | 45.5 | 50.2 |

| Source: | | SD-17 | SD-18 | SD-19 | SD-20 | SD-21 | RF-1 | RF-2 |
|--------------|------------|---------|---------|---------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 2.6 MG/KG | 8.39 | 6.39 | 8.73 | 8.81 | 9.47 | 7.50 | 6.36 |
| Antimony | 3.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Arsenic | 1.4 MG/KG | 10.20 | 6.19 | 3.67 | 3.78 | 2.65 | 2.30 | <1.40 |
| Beryllium | .035 MG/KG | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | ND | ND |
| Cadmium | .34 MG/KG | 3.97 | 4.56 | 3.21 | 3.78 | 2.82 | 0.60 | 1.10 |
| Chromium | .3 MG/KG | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 |
| Copper | .76 MG/KG | 16.10 | 12.20 | 10.70 | 8.13 | 13.10 | 6.83 | 13.40 |
| Iron | 1.3 MG/KG | 191 | 180 | 128 | 87 | 82 | 92 | 174 |
| Lead | 2.5 MG/KG | <2.50 | ND | ND | ND | ND | ND | ND |
| Manganese | .23 MG/KG | 1.13 | 1.09 | 1.15 | 1.54 | 1.07 | 0.89 | 0.97 |
| Mercury | .03 MG/KG | 0.246 | 0.177 | 0.150 | 0.097 | 0.138 | 0.076 | 0.620 |
| Nickel | .79 MG/KG | <0.79 | <0.79 | <0.79 | <0.79 | <0.79 | ND | ND |
| Selenium | .06 MG/KG | 1.23 | 1.18 | 0.97 | 0.97 | 0.82 | 1.85 | 2.52 |
| Silver | .62 MG/KG | <0.62 | <0.62 | <0.62 | <0.62 | <0.62 | ND | 3.90 |
| Thallium | 5.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 4.6 MG/KG | <4.60 | <4.60 | <4.60 | <4.60 | <4.60 | ND | ND |
| Zinc | .58 MG/KG | 72.7 | 53.2 | 46.4 | 34.7 | 49.9 | 30.9 | 54.4 |
| Total Solids | .4 WT% | 33.6 | 31.6 | 42.3 | 33.5 | 37.5 | 37.8 | 30.4 |

| Source: | | TFZONE1 | TFZONE2 | TFZONE3 | TFZONE4 |
|--------------|------------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average |
| Aluminum | 2.6 MG/KG | 6.93 | 7.47 | 9.63 | 11.20 |
| Antimony | 3.7 MG/KG | ND | ND | ND | ND |
| Arsenic | 1.4 MG/KG | 4.37 | 7.64 | 3.46 | 2.74 |
| Beryllium | .035 MG/KG | <0.00 | <0.00 | <0.00 | 0.01 |
| Cadmium | .34 MG/KG | 3.80 | 3.19 | 3.90 | 3.21 |
| Chromium | .3 MG/KG | 0.26 | 0.29 | 0.32 | 0.44 |
| Copper | .76 MG/KG | 5.98 | 4.98 | 3.89 | 3.80 |
| Iron | 1.3 MG/KG | 101 | 131 | 70 | 77 |
| Lead | 2.5 MG/KG | <0.30 | <0.30 | ND | ND |
| Manganese | .23 MG/KG | 0.80 | 0.96 | 0.77 | 0.63 |
| Mercury | .03 MG/KG | 0.069 | 0.066 | 0.088 | 0.064 |
| Nickel | .79 MG/KG | 0.17 | 0.18 | 0.20 | 0.27 |
| Selenium | .06 MG/KG | 1.47 | 2.28 | 0.87 | 0.97 |
| Silver | .62 MG/KG | 0.15 | 0.17 | 0.07 | 0.07 |
| Thallium | 5.7 MG/KG | ND | ND | ND | ND |
| Tin | 4.6 MG/KG | 14.00 | 1.31 | 1.54 | 1.78 |
| Zinc | .58 MG/KG | 41.7 | 37.3 | 21.5 | 20.2 |
| Total Solids | .4 WT% | 44.4 | 46.1 | 54.2 | 62.5 |

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH TISSUE - MUSCLE
Trace Metals

From: 01-JAN-2003 to: 31-DEC-2003

| Source: | | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 | SD-12 | SD-13 |
|--------------|------------|---------|---------|---------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average | Average | Average | Average |
| Aluminum | 2.6 MG/KG | <2.60 | ND | <2.60 | 3.23 | ND | <2.60 | <2.60 |
| Antimony | 3.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Arsenic | 1.4 MG/KG | 3.47 | 4.03 | 7.40 | 3.90 | 5.53 | 4.73 | 4.37 |
| Beryllium | .035 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Cadmium | .34 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Chromium | .3 MG/KG | ND | <0.30 | ND | <0.30 | ND | <0.30 | <0.30 |
| Copper | .76 MG/KG | 10.60 | <0.76 | 0.90 | 3.20 | <0.76 | 1.62 | 2.86 |
| Iron | 1.3 MG/KG | 5.33 | 5.43 | 1.80 | 10.60 | 3.83 | 6.35 | 6.30 |
| Lead | 2.5 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Manganese | .23 MG/KG | <0.23 | ND | ND | ND | ND | ND | ND |
| Mercury | .03 MG/KG | 0.207 | 0.079 | 0.082 | 0.312 | 0.208 | 0.221 | 0.076 |
| Nickel | .79 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Selenium | MG/KG | NA | NA | NA | NA | NA | NA | NA |
| Silver | .62 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Thallium | 5.7 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Tin | 4.6 MG/KG | ND | ND | ND | ND | ND | ND | ND |
| Zinc | .58 MG/KG | 4.21 | 3.50 | 2.94 | 3.64 | 3.03 | 3.29 | 3.72 |
| Total Solids | .4 WT% | 22.0 | 21.1 | 18.9 | 21.0 | 20.6 | 21.8 | 20.6 |

| Source: | | SD-14 | RF-1 | RF-2 | RF-4 |
|--------------|------------|---------|---------|---------|---------|
| Date: | | 2003 | 2003 | 2003 | 2003 |
| Analyte: | MDL Units | Average | Average | Average | Average |
| Aluminum | 2.6 MG/KG | ND | 3.20 | <2.60 | 3.50 |
| Antimony | 3.7 MG/KG | ND | ND | ND | ND |
| Arsenic | 1.4 MG/KG | 3.40 | 2.07 | <1.40 | <1.40 |
| Beryllium | .035 MG/KG | ND | ND | ND | ND |
| Cadmium | .34 MG/KG | ND | ND | ND | ND |
| Chromium | .3 MG/KG | <0.30 | <0.30 | ND | 0.60 |
| Copper | .76 MG/KG | 6.99 | 3.93 | <0.76 | 5.21 |
| Iron | 1.3 MG/KG | 3.37 | 8.83 | 9.40 | 11.20 |
| Lead | 2.5 MG/KG | ND | ND | ND | ND |
| Manganese | .23 MG/KG | ND | ND | ND | <0.23 |
| Mercury | .03 MG/KG | 0.110 | 0.516 | 0.199 | 0.162 |
| Nickel | .79 MG/KG | ND | ND | ND | ND |
| Selenium | MG/KG | NA | NA | NA | NA |
| Silver | .62 MG/KG | ND | ND | ND | ND |
| Thallium | 5.7 MG/KG | ND | ND | ND | ND |
| Tin | 4.6 MG/KG | ND | ND | ND | ND |
| Zinc | .58 MG/KG | 3.47 | 3.93 | 2.96 | 3.35 |
| Total Solids | .4 WT% | 19.6 | 21.9 | 22.5 | 22.1 |

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

POINT LOMA WASTEWATER TREATMENT PLANT
 TISSUE - Chlorinated Pesticides
 From 01-JAN-2003 To 31-DEC-2003

FISH - Lipids & Total Solids

| Tissue | Analyte | MDL | Units | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 | SD-12 |
|--------|--------------|------|-------|------|------|------|-------|-------|-------|
| | | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | | Avg | Avg | Avg | Avg | Avg | Avg |
| Liver | Lipids | .005 | WT% | 30.4 | 35.5 | 28.0 | 20.2 | 21.4 | 21.9 |
| Liver | Total Solids | .4 | WT% | 48.7 | 52.8 | 40.2 | 43.8 | 42.6 | 47.1 |
| Muscle | Lipids | .005 | WT% | 2.32 | 1.02 | 0.42 | 1.67 | 0.62 | 1.31 |
| Muscle | Total Solids | .4 | WT% | 22.0 | 21.1 | 18.9 | 21.0 | 20.6 | 21.8 |

| Tissue | Analyte | MDL | Units | SD-13 | SD-14 | RF-1 | RF-2 | TFZONE1 | TFZONE2 |
|--------|--------------|------|-------|-------|-------|------|------|---------|---------|
| | | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | | Avg | Avg | Avg | Avg | Avg | Avg |
| Liver | Lipids | .005 | WT% | 27.2 | 30.6 | 18.1 | 8.9 | 20.9 | 32.0 |
| Liver | Total Solids | .4 | WT% | 45.5 | 50.2 | 37.8 | 30.4 | 44.4 | 46.1 |
| Muscle | Lipids | .005 | WT% | 0.73 | 0.48 | 0.84 | 1.05 | NR | NR |
| Muscle | Total Solids | .4 | WT% | 20.6 | 19.6 | 21.9 | 22.5 | NR | NR |

| Tissue | Analyte | MDL | Units | TFZONE3 | TFZONE4 |
|--------|--------------|------|-------|---------|---------|
| | | | | 2003 | 2003 |
| | | | | Avg | Avg |
| Liver | Lipids | .005 | WT% | 39.7 | 34.2 |
| Liver | Total Solids | .4 | WT% | 54.2 | 62.5 |
| Muscle | Lipids | .005 | WT% | NR | NR |
| Muscle | Total Solids | .4 | WT% | NR | NR |

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH LIVER - Chlorinated Pesticides
From 01-JAN-2003 To 31-DEC-2003

FISH LIVER

| Analyte | MDL | Units | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 |
|-----------------------|------|-------|-------|-------|-------|--------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 13.3 | UG/KG | E4.7 | <13.3 | <13.3 | <13.3 | <13.3 |
| BHC, Gamma isomer | 100 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor | 20 | UG/KG | ND | ND | ND | ND | <20.0 |
| Aldrin | 133 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 20 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDE | 13.3 | UG/KG | <13.3 | <13.3 | 19.3 | E23.6 | E6.1 |
| Alpha Endosulfan | 133 | UG/KG | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 13.3 | UG/KG | E5.9 | <13.3 | E11.4 | <13.3 | <13.3 |
| Trans Nonachlor | 20 | UG/KG | E11.4 | E12.0 | E10.7 | E11.1 | E11.8 |
| p,p-DDE | 13.3 | UG/KG | 770.0 | 717.0 | 940.0 | 1470.0 | 923.0 |
| Dieldrin | 20 | UG/KG | ND | ND | ND | ND | <20.0 |
| o,p-DDD | 13.3 | UG/KG | ND | ND | <13.3 | ND | ND |
| Endrin | 20 | UG/KG | ND | ND | ND | ND | <20.0 |
| o,p-DDT | 13.3 | UG/KG | <13.3 | <13.3 | E3.1 | ND | <13.3 |
| p,p-DDD | 13.3 | UG/KG | E9.7 | E8.5 | <13.3 | <13.3 | E7.6 |
| p,p-DDT | 13.3 | UG/KG | E17.6 | E32.3 | 44.0 | <13.3 | E16.1 |
| Mirex | 13.3 | UG/KG | ND | ND | <13.3 | ND | ND |

| Analyte | MDL | Units | SD-12 | SD-13 | SD-14 | SD-17 | SD-18 |
|-----------------------|------|-------|-------|--------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 13.3 | UG/KG | E5.6 | <13.3 | <13.3 | <13.3 | <13.3 |
| BHC, Gamma isomer | 100 | UG/KG | ND | <100.0 | ND | ND | ND |
| Heptachlor | 20 | UG/KG | ND | ND | ND | ND | ND |
| Aldrin | 133 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 20 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDE | 13.3 | UG/KG | E5.8 | <13.3 | <13.3 | <13.3 | <13.3 |
| Alpha Endosulfan | 133 | UG/KG | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 13.3 | UG/KG | <13.3 | E6.7 | <13.3 | <13.3 | <13.3 |
| Trans Nonachlor | 20 | UG/KG | E11.7 | E10.6 | E13.7 | <20.0 | <20.0 |
| p,p-DDE | 13.3 | UG/KG | 607.0 | 527.0 | 808.0 | 648.0 | 493.0 |
| Dieldrin | 20 | UG/KG | 31.0 | ND | ND | ND | ND |
| o,p-DDD | 13.3 | UG/KG | ND | ND | ND | ND | <13.3 |
| Endrin | 20 | UG/KG | 30.0 | E20.3 | ND | ND | ND |
| o,p-DDT | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| p,p-DDD | 13.3 | UG/KG | E7.0 | <13.3 | E8.8 | <13.3 | E4.6 |
| p,p-DDT | 13.3 | UG/KG | E19.4 | E29.4 | E27.5 | <13.3 | <13.3 |
| Mirex | 13.3 | UG/KG | ND | ND | ND | ND | <13.3 |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

Note: 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
ANNUAL FISH LIVER - Chlorinated Pesticides
From 01-JAN-2003 To 31-DEC-2003

FISH LIVER

| Analyte | MDL | Units | SD-19 | SD-20 | SD-21 | RF-1 | RF-2 |
|-----------------------|------|-------|-------|-------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | ND | ND |
| BHC, Gamma isomer | 100 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor | 20 | UG/KG | ND | ND | ND | ND | ND |
| Aldrin | 133 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 20 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDE | 13.3 | UG/KG | E14.4 | <13.3 | <13.3 | E5.5 | <13.3 |
| Alpha Endosulfan | 133 | UG/KG | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| Trans Nonachlor | 20 | UG/KG | <20.0 | <20.0 | <20.0 | E7.3 | <20.0 |
| p,p-DDE | 13.3 | UG/KG | 725.0 | 340.0 | 511.0 | 572.0 | 177.0 |
| Dieldrin | 20 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDD | 13.3 | UG/KG | <13.3 | ND | <13.3 | ND | ND |
| Endrin | 20 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDT | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | ND | ND |
| p,p-DDD | 13.3 | UG/KG | <13.3 | <13.3 | E14.4 | E5.7 | E2.7 |
| p,p-DDT | 13.3 | UG/KG | <13.3 | E13.4 | <13.3 | E13.8 | E6.5 |
| Mirex | 13.3 | UG/KG | <13.3 | ND | ND | ND | ND |

| Analyte | MDL | Units | TFZONE1 | TFZONE2 | TFZONE3 | TFZONE4 |
|-----------------------|------|-------|---------|---------|---------|---------|
| | | | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 13.3 | UG/KG | <13.3 | <13.3 | E9.2 | E6.8 |
| BHC, Gamma isomer | 100 | UG/KG | ND | ND | ND | ND |
| Heptachlor | 20 | UG/KG | ND | ND | ND | ND |
| Aldrin | 133 | UG/KG | ND | ND | ND | ND |
| Heptachlor epoxide | 20 | UG/KG | ND | ND | ND | ND |
| o,p-DDE | 13.3 | UG/KG | <13.3 | <13.3 | E7.2 | <13.3 |
| Alpha Endosulfan | 133 | UG/KG | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 13.3 | UG/KG | <13.3 | <13.3 | E10.1 | <13.3 |
| Trans Nonachlor | 20 | UG/KG | <20.0 | <20.0 | E9.6 | <20.0 |
| p,p-DDE | 13.3 | UG/KG | 290.0 | 608.0 | 717.0 | 790.0 |
| Dieldrin | 20 | UG/KG | ND | ND | ND | ND |
| o,p-DDD | 13.3 | UG/KG | <13.3 | <13.3 | ND | ND |
| Endrin | 20 | UG/KG | ND | ND | ND | ND |
| o,p-DDT | 13.3 | UG/KG | <13.3 | <13.3 | E3.3 | <13.3 |
| p,p-DDD | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 |
| p,p-DDT | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 |
| Mirex | 13.3 | UG/KG | ND | <13.3 | ND | ND |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

Note: 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
ANNUAL FISH MUSCLE - Chlorinated Pesticides

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 |
|-----------------------|------|-------|------|------|------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 3.33 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor | 2 | UG/KG | ND | ND | ND | ND | ND |
| Aldrin | 2 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 2 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDE | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | ND |
| Alpha Endosulfan | 6.67 | UG/KG | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 1.33 | UG/KG | <1.3 | ND | ND | ND | ND |
| Trans Nonachlor | 2 | UG/KG | <2.0 | ND | ND | <2.0 | <2.0 |
| p,p-DDE | 1.33 | UG/KG | 35.3 | 10.6 | E4.4 | 51.9 | 10.3 |
| Dieldrin | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDD | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| Endrin | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDT | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| p,p-DDD | 1.33 | UG/KG | <1.3 | <1.3 | ND | <1.3 | <1.3 |
| p,p-DDT | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 |
| Mirex | 1.33 | UG/KG | ND | ND | ND | ND | ND |

| Analyte | MDL | Units | SD-12 | SD-13 | SD-14 | RF-1 | RF-2 |
|-----------------------|------|-------|-------|-------|-------|------|------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg |
| Hexachlorobenzene | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | <1.3 |
| BHC, Gamma isomer | 3.33 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor | 2 | UG/KG | ND | ND | ND | ND | ND |
| Aldrin | 2 | UG/KG | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 2 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDE | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | <1.3 |
| Alpha Endosulfan | 6.67 | UG/KG | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | <1.3 |
| Trans Nonachlor | 2 | UG/KG | <2.0 | ND | <2.0 | <2.0 | ND |
| p,p-DDE | 1.33 | UG/KG | 28.2 | 8.3 | 9.7 | 20.0 | 12.9 |
| Dieldrin | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDD | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND |
| Endrin | 1.33 | UG/KG | ND | ND | ND | ND | ND |
| o,p-DDT | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND |
| p,p-DDD | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 |
| p,p-DDT | 1.33 | UG/KG | <1.3 | ND | <1.3 | <1.3 | <1.3 |
| Mirex | 1.33 | UG/KG | ND | ND | ND | ND | ND |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

Note: 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
ANNUAL FISH MUSCLE - Chlorinated Pesticides

From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | RF-4 2003 Avg |
|-----------------------|------|-------|---------------------|
| ===== | ==== | ===== | ===== |
| Hexachlorobenzene | 1.33 | UG/KG | <1.3 |
| BHC, Gamma isomer | 3.33 | UG/KG | ND |
| Heptachlor | 2 | UG/KG | ND |
| Aldrin | 2 | UG/KG | ND |
| Heptachlor epoxide | 2 | UG/KG | ND |
| o,p-DDE | 1.33 | UG/KG | <1.3 |
| Alpha Endosulfan | 6.67 | UG/KG | ND |
| Alpha (cis) Chlordane | 1.33 | UG/KG | ND |
| Trans Nonachlor | 2 | UG/KG | <2.0 |
| p,p-DDE | 1.33 | UG/KG | 10.8 |
| Dieldrin | 1.33 | UG/KG | ND |
| o,p-DDD | 1.33 | UG/KG | ND |
| Endrin | 1.33 | UG/KG | ND |
| o,p-DDT | 1.33 | UG/KG | ND |
| p,p-DDD | 1.33 | UG/KG | <1.3 |
| p,p-DDT | 1.33 | UG/KG | <1.3 |
| Mirex | 1.33 | UG/KG | ND |

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

E=estimated value, value is less than the Method Detection Limit but confirmed by GC/MS-MS

Note: 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
 FISH LIVER - Analysis of Poly Aromatic Hydrocarbon (PAH)
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-7 | SD-8 | SD-10 | SD-12 | SD-13 | SD-14 |
|----------------------------|------|-------|------|------|-------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg | Avg |
| Acenaphthene | 35.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Acenaphthylene | 17.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| Anthracene | 16.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 38.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 11.6 | UG/KG | ND | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 21.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 14.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 22.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 12.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Biphenyl | 28.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| Chrysene | 16.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 39.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 20.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluoranthene | 18.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluorene | 53.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 10.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylnaphthalene | 27.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 13.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 12.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Naphthalene | 24 | UG/KG | ND | ND | ND | ND | ND | ND |
| Perylene | 19 | UG/KG | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 31.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Pyrene | 23.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 19.4 | UG/KG | ND | ND | ND | ND | ND | ND |

| Analyte | MDL | Units | SD-17 | SD-18 | SD-19 | SD-20 | SD-21 | RF-1 |
|----------------------------|------|-------|-------|-------|-------|-------|-------|------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg | Avg |
| Acenaphthene | 35.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Acenaphthylene | 17.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| Anthracene | 16.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 38.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 11.6 | UG/KG | ND | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 21.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 14.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 22.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 12.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Biphenyl | 28.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| Chrysene | 16.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 39.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 20.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluoranthene | 18.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluorene | 53.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 10.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylnaphthalene | 27.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 13.5 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 12.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Naphthalene | 24 | UG/KG | ND | ND | ND | ND | ND | ND |
| Perylene | 19 | UG/KG | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 31.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Pyrene | 23.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 19.4 | UG/KG | ND | ND | ND | ND | ND | ND |

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

POINT LOMA WASTEWATER TREATMENT PLANT
 FISH LIVER - Analysis of Poly Aromatic Hydrocarbon (PAH)
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | RF-2 |
|----------------------------|-------|-------|-------------|
| | | | 2003 Avg |
| ===== | ===== | ===== | ===== |
| Acenaphthene | 35.8 | UG/KG | ND |
| Acenaphthylene | 17.9 | UG/KG | ND |
| Anthracene | 16.8 | UG/KG | ND |
| Benzo[A]anthracene | 38.4 | UG/KG | ND |
| Benzo[A]pyrene | 11.6 | UG/KG | ND |
| 3,4-benzo(B)fluoranthene | 21.5 | UG/KG | ND |
| Benzo[e]pyrene | 14.9 | UG/KG | ND |
| Benzo[G,H,I]perylene | 22.2 | UG/KG | ND |
| Benzo[K]fluoranthene | 12.3 | UG/KG | ND |
| Biphenyl | 28.1 | UG/KG | ND |
| Chrysene | 16.7 | UG/KG | ND |
| Dibenzo(A,H)anthracene | 39.5 | UG/KG | ND |
| 2,6-dimethylnaphthalene | 20.7 | UG/KG | ND |
| Fluoranthene | 18.3 | UG/KG | ND |
| Fluorene | 53.8 | UG/KG | ND |
| Indeno(1,2,3-CD)pyrene | 10.5 | UG/KG | ND |
| 1-methylnaphthalene | 27.7 | UG/KG | ND |
| 2-methylnaphthalene | 13.5 | UG/KG | ND |
| 1-methylphenanthrene | 12.4 | UG/KG | ND |
| Naphthalene | 24 | UG/KG | ND |
| Perylene | 19 | UG/KG | ND |
| Phenanthrene | 31.3 | UG/KG | ND |
| Pyrene | 23.1 | UG/KG | ND |
| 2,3,5-trimethylnaphthalene | 19.4 | UG/KG | ND |

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH MUSCLE - Analysis of Poly Aromatic Hydrocarbon (PAH)
From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-7 | SD-8 | SD-10 | SD-12 | SD-13 | SD-14 |
|----------------------------|------|-------|------|------|-------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg | Avg | Avg | Avg |
| Acenaphthene | 17.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Acenaphthylene | 9.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| Anthracene | 21.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 12.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 16.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 7.6 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 11 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 10.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 15.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Biphenyl | 12.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Chrysene | 12.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 11.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 16 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluoranthene | 10.8 | UG/KG | ND | ND | ND | ND | ND | ND |
| Fluorene | 15.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 14.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylnaphthalene | 20.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 13.7 | UG/KG | ND | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 8.1 | UG/KG | ND | ND | ND | ND | ND | ND |
| Naphthalene | 9.2 | UG/KG | ND | ND | ND | ND | ND | ND |
| Perylene | 14.3 | UG/KG | ND | ND | ND | ND | ND | ND |
| Phenanthrene | 9.9 | UG/KG | ND | ND | ND | ND | ND | ND |
| Pyrene | 9.4 | UG/KG | ND | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 19.2 | UG/KG | ND | ND | ND | ND | ND | ND |

| Analyte | MDL | Units | RF-1 | RF-2 | RF-4 |
|----------------------------|------|-------|------|------|------|
| | | | 2003 | 2003 | 2003 |
| ===== | | | Avg | Avg | Avg |
| Acenaphthene | 17.4 | UG/KG | ND | ND | ND |
| Acenaphthylene | 9.7 | UG/KG | ND | ND | ND |
| Anthracene | 21.2 | UG/KG | ND | ND | ND |
| Benzo[A]anthracene | 12.4 | UG/KG | ND | ND | ND |
| Benzo[A]pyrene | 16.1 | UG/KG | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 7.6 | UG/KG | ND | ND | ND |
| Benzo[e]pyrene | 11 | UG/KG | ND | ND | ND |
| Benzo[G,H,I]perylene | 10.2 | UG/KG | ND | ND | ND |
| Benzo[K]fluoranthene | 15.8 | UG/KG | ND | ND | ND |
| Biphenyl | 12.3 | UG/KG | ND | ND | ND |
| Chrysene | 12.2 | UG/KG | ND | ND | ND |
| Dibenzo(A,H)anthracene | 11.9 | UG/KG | ND | ND | ND |
| 2,6-dimethylnaphthalene | 16 | UG/KG | ND | ND | ND |
| Fluoranthene | 10.8 | UG/KG | ND | ND | ND |
| Fluorene | 15.1 | UG/KG | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 14.1 | UG/KG | ND | ND | ND |
| 1-methylnaphthalene | 20.2 | UG/KG | ND | ND | ND |
| 2-methylnaphthalene | 13.7 | UG/KG | ND | ND | ND |
| 1-methylphenanthrene | 8.1 | UG/KG | ND | ND | ND |
| Naphthalene | 9.2 | UG/KG | ND | ND | ND |
| Perylene | 14.3 | UG/KG | ND | ND | ND |
| Phenanthrene | 9.9 | UG/KG | ND | ND | ND |
| Pyrene | 9.4 | UG/KG | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 19.2 | UG/KG | ND | ND | ND |

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

POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL FISH LIVER - Analysis of Poly Chlorinated Biphenyls
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 | SD-12 | SD-13 |
|-------------|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg |
| PCB 18 | 20 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 13.3 | UG/KG | ND | ND | ND | <13.3 | ND | ND | <13.3 |
| PCB 49 | 13.3 | UG/KG | <13.3 | ND | ND | <13.3 | ND | ND | <13.3 |
| PCB 37 | 13.3 | UG/KG | <13.3 | ND | ND | ND | ND | ND | <13.3 |
| PCB 70 | 13.3 | UG/KG | E2.6 | E3.6 | E3.5 | <13.3 | E1.5 | E2.2 | E3.3 |
| PCB 101 | 13.3 | UG/KG | <13.3 | 17.0 | E18.3 | E21.0 | E12.7 | <13.3 | <13.3 |
| PCB 119 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 87 | 13.3 | UG/KG | E2.7 | E3.5 | E3.2 | E4.0 | E2.2 | E2.7 | E1.8 |
| PCB 110 | 13.3 | UG/KG | E7.7 | E13.4 | E19.6 | <13.3 | <13.3 | E7.8 | E8.3 |
| PCB 151 | 13.3 | UG/KG | E4.5 | E6.5 | E13.7 | E7.7 | <13.3 | E4.6 | E4.8 |
| PCB 77 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 13.3 | UG/KG | E7.0 | E8.0 | E17.7 | E7.8 | E9.0 | E5.1 | E6.6 |
| PCB 123 | 13.3 | UG/KG | E2.4 | E2.8 | E5.3 | E4.3 | E3.4 | E2.4 | <13.3 |
| PCB 118 | 13.3 | UG/KG | 22.7 | 34.0 | 47.0 | 42.2 | 34.3 | 23.0 | 22.7 |
| PCB 114 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 153/168 | 13.3 | UG/KG | 57.7 | 79.0 | 153.0 | 112.0 | 107.0 | 55.0 | 65.7 |
| PCB 105 | 13.3 | UG/KG | E6.9 | E8.6 | E14.8 | <13.3 | <13.3 | E6.4 | E5.7 |
| PCB 138 | 13.3 | UG/KG | 30.0 | 46.3 | 97.3 | 67.3 | 60.0 | 31.7 | 37.3 |
| PCB 158 | 13.3 | UG/KG | E2.2 | E3.4 | E6.8 | E5.6 | E4.4 | E2.0 | E2.7 |
| PCB 187 | 13.3 | UG/KG | 24.7 | 26.0 | 52.0 | 38.0 | 41.7 | E18.3 | 24.0 |
| PCB 183 | 13.3 | UG/KG | E7.5 | E8.0 | E17.6 | E13.7 | E14.3 | E5.8 | E7.9 |
| PCB 126 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 13.3 | UG/KG | E5.9 | E8.7 | E18.3 | <13.3 | <13.3 | E5.8 | E6.9 |
| PCB 167 | 13.3 | UG/KG | E1.7 | E2.7 | E4.4 | E3.0 | E3.0 | E1.5 | <13.3 |
| PCB 177 | 13.3 | UG/KG | E4.0 | E5.1 | <13.3 | E7.8 | <13.3 | E3.2 | E3.8 |
| PCB 156 | 13.3 | UG/KG | E1.8 | E3.2 | E6.8 | E4.5 | E4.4 | E1.9 | <13.3 |
| PCB 157 | 13.3 | UG/KG | <13.3 | ND | ND | ND | <13.3 | ND | <13.3 |
| PCB 180 | 13.3 | UG/KG | E27.3 | 25.7 | E49.3 | 42.8 | 41.7 | E20.3 | 24.7 |
| PCB 170 | 13.3 | UG/KG | E10.0 | <13.3 | E24.7 | 21.7 | 17.7 | E9.5 | <13.3 |
| PCB 169 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 189 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 194 | 13.3 | UG/KG | <13.3 | E6.9 | E18.2 | <13.3 | E15.3 | E6.0 | <13.3 |
| PCB 206 | 13.3 | UG/KG | E4.8 | E4.6 | <13.3 | E7.1 | <13.3 | E4.4 | E5.5 |

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POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL FISH LIVER - Analysis of Poly Chlorinated Biphenyls
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-14 | SD-17 | SD-18 | SD-19 | SD-20 | SD-21 | RF-1 |
|-------------|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg | 2003 Avg |
| PCB 18 | 20 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 13.3 | UG/KG | ND | ND | ND | <13.3 | ND | ND | <13.3 |
| PCB 49 | 13.3 | UG/KG | ND | ND | ND | ND | ND | <13.3 | <13.3 |
| PCB 37 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 70 | 13.3 | UG/KG | E2.9 | <13.3 | <13.3 | <13.3 | <13.3 | ND | E2.1 |
| PCB 101 | 13.3 | UG/KG | E14.5 | E8.3 | E5.5 | E5.8 | <13.3 | <13.3 | E13.9 |
| PCB 119 | 13.3 | UG/KG | ND | ND | ND | ND | <13.3 | ND | ND |
| PCB 87 | 13.3 | UG/KG | E3.2 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E2.5 |
| PCB 110 | 13.3 | UG/KG | E11.3 | E6.8 | <13.3 | <13.3 | <13.3 | <13.3 | E7.6 |
| PCB 151 | 13.3 | UG/KG | E5.5 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E3.2 |
| PCB 77 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 13.3 | UG/KG | E7.4 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E9.7 |
| PCB 123 | 13.3 | UG/KG | E3.0 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| PCB 118 | 13.3 | UG/KG | 27.8 | E22.3 | E15.3 | E15.2 | E14.7 | E21.8 | 22.2 |
| PCB 114 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 153/168 | 13.3 | UG/KG | 64.5 | E59.4 | E48.7 | E40.4 | E48.9 | E54.8 | 47.8 |
| PCB 105 | 13.3 | UG/KG | E7.8 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E6.1 |
| PCB 138 | 13.3 | UG/KG | 37.5 | E33.0 | E27.7 | E22.2 | E29.1 | E28.5 | 28.3 |
| PCB 158 | 13.3 | UG/KG | E2.8 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E2.9 |
| PCB 187 | 13.3 | UG/KG | 22.8 | E24.7 | E20.3 | E16.2 | E20.4 | E23.2 | E16.3 |
| PCB 183 | 13.3 | UG/KG | E7.2 | E7.0 | <13.3 | <13.3 | <13.3 | <13.3 | E6.1 |
| PCB 126 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 13.3 | UG/KG | E6.6 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E5.8 |
| PCB 167 | 13.3 | UG/KG | E1.6 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| PCB 177 | 13.3 | UG/KG | E3.5 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E2.8 |
| PCB 156 | 13.3 | UG/KG | E1.6 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E2.4 |
| PCB 157 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| PCB 180 | 13.3 | UG/KG | 23.2 | E24.9 | E18.7 | E15.1 | E16.2 | E20.5 | E19.7 |
| PCB 170 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E7.9 |
| PCB 169 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 189 | 13.3 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 194 | 13.3 | UG/KG | E6.5 | E5.1 | <13.3 | <13.3 | <13.3 | <13.3 | E6.0 |
| PCB 206 | 13.3 | UG/KG | E4.2 | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 | E5.0 |

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| Analyte | MDL | Units | RF-2 | TFZONE1 | TFZONE2 | TFZONE3 | TFZONE4 |
|-------------|------|-------|-------|---------|---------|---------|---------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg |
| PCB 18 | 20 | UG/KG | ND | ND | ND | ND | ND |
| PCB 28 | 13.3 | UG/KG | ND | E48.9 | <13.3 | <13.3 | <13.3 |
| PCB 49 | 13.3 | UG/KG | ND | 16.3 | ND | E4.8 | <13.3 |
| PCB 37 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 70 | 13.3 | UG/KG | E0.7 | <13.3 | <13.3 | E7.6 | <13.3 |
| PCB 101 | 13.3 | UG/KG | E5.4 | E6.2 | <13.3 | 24.7 | <13.3 |
| PCB 119 | 13.3 | UG/KG | ND | ND | ND | E1.1 | ND |
| PCB 87 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | E7.5 | <13.3 |
| PCB 110 | 13.3 | UG/KG | <13.3 | <13.3 | E13.3 | 38.3 | E16.7 |
| PCB 151 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | E8.7 | <13.3 |
| PCB 77 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 149 | 13.3 | UG/KG | E4.0 | E6.4 | <13.3 | 15.3 | <13.3 |
| PCB 123 | 13.3 | UG/KG | ND | <13.3 | <13.3 | E4.7 | <13.3 |
| PCB 118 | 13.3 | UG/KG | E6.9 | <13.3 | E29.2 | 48.7 | E31.4 |
| PCB 114 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 153/168 | 13.3 | UG/KG | E17.7 | E30.2 | 83.1 | 81.7 | 76.0 |
| PCB 105 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | E15.3 | <13.3 |
| PCB 138 | 13.3 | UG/KG | E9.2 | E18.1 | E45.6 | 53.7 | 47.8 |
| PCB 158 | 13.3 | UG/KG | ND | <13.3 | <13.3 | E4.9 | E3.8 |
| PCB 187 | 13.3 | UG/KG | E6.0 | E16.8 | E38.2 | 26.7 | E27.4 |
| PCB 183 | 13.3 | UG/KG | E2.0 | <13.3 | <13.3 | E7.7 | <13.3 |
| PCB 126 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 128 | 13.3 | UG/KG | <13.3 | <13.3 | <13.3 | <13.3 | <13.3 |
| PCB 167 | 13.3 | UG/KG | ND | ND | <13.3 | E2.6 | <13.3 |
| PCB 177 | 13.3 | UG/KG | ND | <13.3 | <13.3 | E5.5 | <13.3 |
| PCB 156 | 13.3 | UG/KG | ND | ND | <13.3 | E5.3 | <13.3 |
| PCB 157 | 13.3 | UG/KG | ND | ND | <13.3 | ND | ND |
| PCB 180 | 13.3 | UG/KG | E7.3 | <13.3 | E37.0 | 26.0 | E27.8 |
| PCB 170 | 13.3 | UG/KG | ND | ND | <13.3 | E9.6 | <13.3 |
| PCB 169 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 189 | 13.3 | UG/KG | ND | ND | ND | ND | ND |
| PCB 194 | 13.3 | UG/KG | E1.6 | <13.3 | <13.3 | E5.4 | <13.3 |
| PCB 206 | 13.3 | UG/KG | E1.7 | <13.3 | <13.3 | E3.0 | <13.3 |

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POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL FISH MUSCLE - Analysis of Poly Chlorinated Biphenyls
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-7 | SD-8 | SD-9 | SD-10 | SD-11 | SD-12 | SD-13 |
|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg | Avg | Avg | Avg | Avg |
| ===== | | | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| PCB 18 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 28 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 49 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 37 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 70 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 101 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 |
| PCB 119 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 87 | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | ND | <1.3 | ND |
| PCB 110 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | ND |
| PCB 151 | 1.33 | UG/KG | ND | <1.3 | <1.3 | <1.3 | ND | <1.3 | <1.3 |
| PCB 77 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 149 | 1.33 | UG/KG | <1.3 | <1.3 | ND | <1.3 | ND | <1.3 | ND |
| PCB 123 | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND | ND | ND |
| PCB 118 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | E1.4 | E0.4 | <1.3 | <1.3 |
| PCB 114 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 153/168 | 1.33 | UG/KG | 2.4 | <1.3 | <1.3 | E2.9 | E0.9 | E1.9 | <1.3 |
| PCB 105 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | ND | <1.3 | <1.3 |
| PCB 138 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | E1.7 | E0.5 | <1.3 | E0.6 |
| PCB 158 | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND | <1.3 | ND |
| PCB 187 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 | <1.3 |
| PCB 183 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | ND | <1.3 | <1.3 |
| PCB 126 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 128 | 1.33 | UG/KG | <1.3 | ND | <1.3 | <1.3 | ND | <1.3 | ND |
| PCB 167 | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND | ND | ND |
| PCB 177 | 1.33 | UG/KG | <1.3 | <1.3 | ND | <1.3 | ND | <1.3 | <1.3 |
| PCB 156 | 1.33 | UG/KG | ND | ND | ND | <1.3 | ND | <1.3 | ND |
| PCB 157 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 180 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | E0.3 | <1.3 | E0.5 |
| PCB 170 | 1.33 | UG/KG | <1.3 | ND | ND | <1.3 | ND | <1.3 | ND |
| PCB 169 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 189 | 1.33 | UG/KG | ND | ND | ND | ND | ND | ND | ND |
| PCB 194 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 | <1.3 | ND | <1.3 | <1.3 |
| PCB 206 | 1.33 | UG/KG | <1.3 | <1.3 | E0.2 | E0.2 | <1.3 | <1.3 | E0.2 |

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POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL FISH MUSCLE - Analysis of Poly Chlorinated Biphenyls
 From 01-JAN-2003 To 31-DEC-2003

| Analyte | MDL | Units | SD-14 | RF-1 | RF-2 |
|-------------|------|-------|-------|-------|-------|
| | | | 2003 | 2003 | 2003 |
| | | | Avg | Avg | Avg |
| ===== | | | ===== | ===== | ===== |
| PCB 18 | 1.33 | UG/KG | ND | ND | ND |
| PCB 28 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 49 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 37 | 1.33 | UG/KG | ND | ND | ND |
| PCB 70 | 1.33 | UG/KG | ND | ND | ND |
| PCB 101 | 1.33 | UG/KG | <1.3 | <1.3 | E0.3 |
| PCB 119 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 87 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 110 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 151 | 1.33 | UG/KG | <1.3 | <1.3 | ND |
| PCB 77 | 1.33 | UG/KG | ND | ND | ND |
| PCB 149 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 123 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 118 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 114 | 1.33 | UG/KG | ND | ND | ND |
| PCB 153/168 | 1.33 | UG/KG | <1.3 | E1.6 | <1.3 |
| PCB 105 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 138 | 1.33 | UG/KG | <1.3 | <1.3 | E0.5 |
| PCB 158 | 1.33 | UG/KG | <1.3 | <1.3 | ND |
| PCB 187 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 183 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 126 | 1.33 | UG/KG | ND | ND | ND |
| PCB 128 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |
| PCB 167 | 1.33 | UG/KG | ND | ND | ND |
| PCB 177 | 1.33 | UG/KG | <1.3 | <1.3 | ND |
| PCB 156 | 1.33 | UG/KG | <1.3 | <1.3 | ND |
| PCB 157 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 180 | 1.33 | UG/KG | <1.3 | <1.3 | E0.3 |
| PCB 170 | 1.33 | UG/KG | ND | <1.3 | ND |
| PCB 169 | 1.33 | UG/KG | ND | ND | ND |
| PCB 189 | 1.33 | UG/KG | ND | ND | ND |
| PCB 194 | 1.33 | UG/KG | <1.3 | <1.3 | ND |
| PCB 206 | 1.33 | UG/KG | <1.3 | <1.3 | <1.3 |

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