V. Ocean Monitoring Data Summary

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

Maps of sampling sites are included in this section.

Summary of Sampling Technique[6]:

Sediments

Benthic samples are obtained with a chain-rigged van Veen grab from the City's ocean monitoring program vessels. The grab takes $0.1m^2$ 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. Addendum 1 (June 2003) to MRP R9-2002-0025/NPDES CA0107409 changed the station definitions for trawl and rig fishing sampling, primarily eliminating or redefining stations. Trawl stations SD-7 through SD-14 were reorganized into zones as shown in Section B. In previous years' reports, samples from stations involved in the South Bay Ocean Outfall Predischarge Monitoring, such as SD-15, SD-17, ….SD-21 and RF-3 & -4 were included in this Pt. Loma Outfall Report. Since this data is now reported in the South Bay Outfall Monitoring reports, they are no longer contained in this report. Additionally, determinations of Poly Aromatic Hydrocarbon (PAHs) was removed by the modifications.

[6] 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 2006.

A. Ocean Sediment Chemistries .

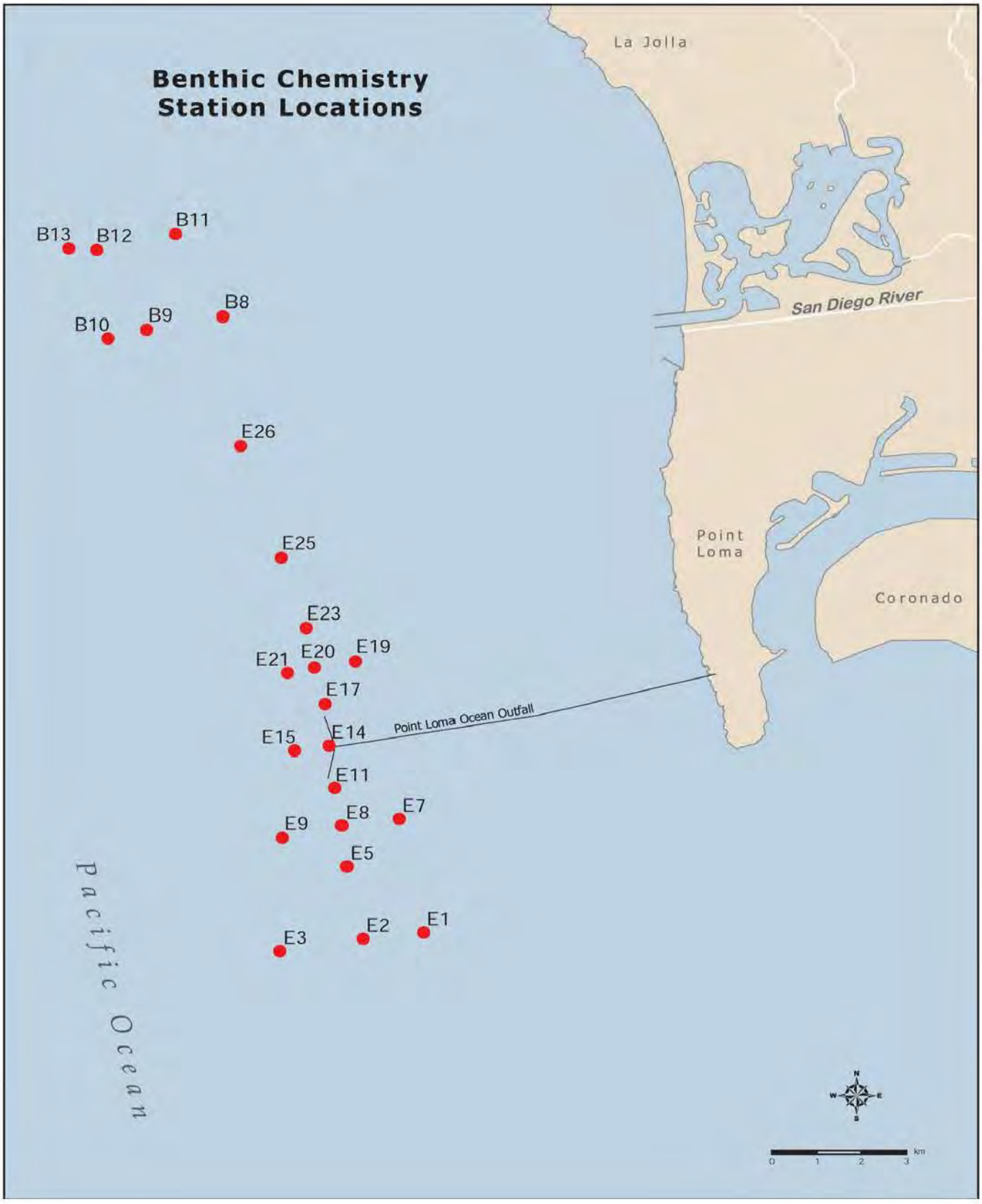
The data for Biochemical Oxygen Demand (BOD) and Total Volatile Solids (TVS), all measures of organic enrichment, as well as total sulfides and temperature, are all presented by quarter and averaged. The quarterly particle size analysis does not lend itself to summarization and each quarter's analysis 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.

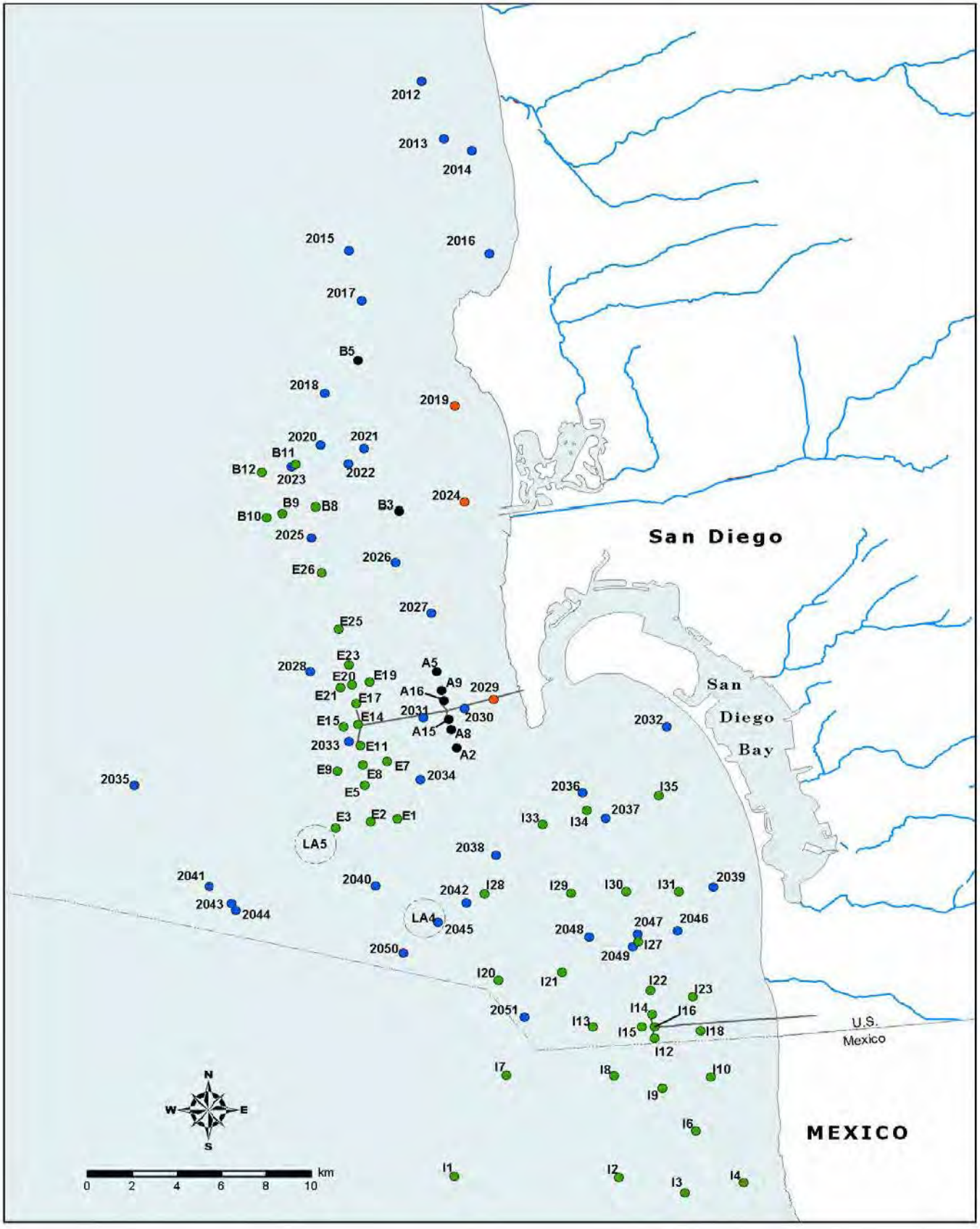
Stations

B-10	E-1	E-20	E-7
B-11	E-11	E-21	E-8
B-12	E-14	E-23	E-9
B-13 (not sampled this year)	E-15	E-25	
B-8	E-17	E-26	
B-9	E-19	E-3	
	E-2	E-5	

San Diego Benthic (chemistries) stations



Map of Recurring and Regional Monitoring Stations (benthic chemistries). Regional Monitoring Stations are 2000 series.



POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2006 to 31-DEC-2006

Biochemical Oxygen Demand
(mg/Kg)

STATION	First Quarter	Third Quarter	Average of All Quarters
B-8	264	685	475
B-9	253	430	342
B-10	300	522	411
B-11	443	590	517
B-12	485	547	516
E-1	302	412	357
E-2	258	306	282
E-3	336	309	323
E-5	227	284	256
E-7	274	410	342
E-8	198	342	270
E-9	241	364	303
E-11	297	187	242
E-14	427	408	418
E-15	299	378	339
E-17	323	265	294
E-19	242	493	368
E-20	270	408	339
E-21	248	327	288
E-23	297	423	360
E-25	459	478	469
E-26	266	476	371

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2006 to 31-DEC-2006

Sulfides, Total
(mg/Kg)

STATION	First Quarter	Third Quarter	Average of All Quarters
A-2	NS	7.1	7.1
A-5	NS	9.6	9.6
A-8	NS	5.3	5.3
A-9	NS	5.2	5.2
A-15	NS	9.5	9.5
A-16	NS	9.7	9.7
B-3	NS	10.9	10.9
B-5	NS	3.1	3.1
B-8	4.8	1.2	3.0
B-9	1.2	1.9	1.6
B-10	2.0	1.2	1.6
B-11	0.6	0.8	0.7
B-12	1.0	0.9	1.0
E-1	4.3	0.5	2.4
E-2	6.4	4.8	5.6
E-3	4.0	1.9	3.0
E-5	0.9	1.1	1.0
E-7	0.9	0.5	0.7
E-8	1.6	1.1	1.4
E-9	1.0	0.8	0.9
E-11	27.6	4.7	16.2
E-14	8.7	3.2	6.0
E-15	5.4	2.4	3.9
E-17	3.9	9.3	6.6
E-19	4.1	3.2	3.7
E-20	2.3	4.0	3.2
E-21	1.2	1.3	1.3
E-23	5.6	1.3	3.5
E-25	1.7	1.8	1.8
E-26	1.6	1.6	1.6

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2006 to 31-DEC-2006

Total Volatile Solids
(% Weight)

STATION	First Quarter	Third Quarter	Average of All Quarters
A-2	*	2.8	2.8
A-5	*	3.0	3.0
A-8	*	3.0	3.0
A-9	*	2.6	2.6
A-15	*	2.7	2.7
A-16	*	2.7	2.7
B-3	*	2.7	2.7
B-5	*	3.1	3.1
B-8	3.0	4.7	3.9
B-9	3.3	3.0	3.2
B-10	3.3	3.0	3.2
B-11	4.2	3.7	4.0
B-12	3.5	3.4	3.5
E-1	2.4	2.4	2.4
E-2	2.1	2.7	2.4
E-3	2.1	2.2	2.2
E-5	2.2	2.3	2.3
E-7	2.2	2.5	2.4
E-8	2.3	2.1	2.2
E-9	2.6	2.4	2.5
E-11	2.1	2.1	2.1
E-14	2.2	1.5	1.9
E-15	2.4	2.4	2.4
E-17	2.1	2.1	2.1
E-19	2.7	2.6	2.7
E-20	2.3	2.2	2.3
E-21	2.4	2.2	2.3
E-23	2.4	2.4	2.4
E-25	2.5	2.3	2.4
E-26	2.8	2.8	2.8

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

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	A-2 P348118 07-JUL-2006	A-5 P349349 11-JUL-2006	A-8 P348122 07-JUL-2006	A-9 P349352 11-JUL-2006	A-15 P349446 12-JUL-2006
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.159	0.341	0.356	0.105	0.108
>1 to 1.5 microns, Phi 9.5	0.469	0.547	0.558	0.475	0.478
>1.5 to 2 microns, Phi 9	0.557	0.644	0.646	0.580	0.569
>2.0 to 2.4 microns	0.498	0.568	0.564	0.524	0.505
>2.4 to 2.9 microns, Phi 8.5	0.648	0.732	0.722	0.685	0.652
>2.9 to 3.4 microns	0.667	0.745	0.732	0.705	0.663
>3.4 to 3.9 microns, Phi 8	0.716	0.791	0.773	0.758	0.704
>3.9 to 4 microns	0.148	0.163	0.160	0.157	0.145
>4.0 to 4.3 microns	0.426	0.468	0.458	0.451	0.416
>4.3 to 4.5 microns	0.274	0.301	0.294	0.290	0.267
>4.5 to 5 microns	0.726	0.794	0.776	0.769	0.703
>5 to 5.5 microns	0.718	0.784	0.767	0.761	0.694
>5.5 to 5.7 microns	0.277	0.302	0.296	0.294	0.267
>5.7 to 5.9 microns, Phi 7.5	0.273	0.297	0.291	0.289	0.263
>5.9 to 7.8 microns, Phi 7	2.550	2.780	2.720	2.710	2.450
>7.8 to 8 microns	0.260	0.283	0.278	0.276	0.249
>8 to 8.5 microns	0.622	0.679	0.667	0.661	0.597
>8.5 to 8.9 microns	0.478	0.522	0.513	0.508	0.459
>8.9 to 9.1 microns	0.243	0.266	0.262	0.259	0.234
>9.1 to 9.5 microns	0.472	0.515	0.507	0.501	0.453
>9.5 to 9.8 microns	0.341	0.372	0.366	0.362	0.328
>9.8 to 10.1 microns	0.330	0.361	0.355	0.351	0.318
>10.1 to 10.6 microns	0.569	0.623	0.614	0.605	0.548
>10.6 to 11.1 microns	0.542	0.594	0.586	0.577	0.523
>11.1 to 11.3 microns	0.210	0.230	0.227	0.223	0.203
>11.3 to 11.7 microns, Phi 6.5	0.412	0.452	0.445	0.438	0.398
>11.7 to 14 microns	2.170	2.400	2.360	2.320	2.120
>14 to 14.8 microns	0.692	0.766	0.753	0.738	0.678
>14.8 to 15.6 microns	0.668	0.743	0.728	0.715	0.659
>15.6 to 16 microns	0.327	0.365	0.357	0.351	0.324
>16 to 20 microns	2.930	3.300	3.210	3.160	2.940
>20 to 23 microns, Phi 5.5	1.910	2.180	2.100	2.080	1.960
>23 to 27 microns	2.320	2.680	2.530	2.540	2.420
>27 to 31 microns, Phi 5	2.170	2.560	2.360	2.410	2.320
>31 to 32 microns	0.538	0.642	0.580	0.605	0.583
>32 to 35.6 microns	1.910	2.300	2.050	2.170	2.090
>35.6 to 37 microns, Phi 4.75	0.759	0.921	0.809	0.869	0.837
>37 to 39.6 microns	1.380	1.680	1.470	1.580	1.520
>39.6 to 43.6 microns	2.330	2.850	2.450	2.700	2.590
>43.6 to 44 microns, Phi 4.5	0.221	0.271	0.233	0.257	0.246
>44 to 45 microns	0.554	0.676	0.581	0.642	0.615
>45 to 46.4 microns	0.939	1.140	0.971	1.090	1.040
>46.4 to 53 microns, Phi 4.25	4.310	5.190	4.440	4.980	4.780
>53 to 62.5 microns, Phi 4	6.910	7.980	6.960	7.780	7.530
>62.5 to 64 microns	1.130	1.260	1.130	1.250	1.210
>64 to 71.7 microns	5.880	6.320	5.780	6.310	6.210
>71.7 to 74 microns	1.750	1.820	1.710	1.840	1.820
>74 to 79.6 microns	4.170	4.190	4.030	4.270	4.280
>79.6 to 87.6 microns	5.740	5.480	5.480	5.670	5.760

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	A-2 P348118 07-JUL-2006	A-5 P349349 11-JUL-2006	A-8 P348122 07-JUL-2006	A-9 P349352 11-JUL-2006	A-15 P349446 12-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.273	0.261	0.261	0.270	0.274
>88 to 90 microns	1.340	1.210	1.260	1.270	1.310
>90 to 105 microns, Phi 3.25	8.990	7.750	8.410	8.250	8.660
>105 to 125 microns, Phi 3	8.770	6.930	8.060	7.530	8.170
>125 to 149 microns, Phi 2.75	6.620	4.900	6.020	5.390	6.030
>149 to 160 microns	1.890	1.350	1.710	1.480	1.700
>160 to 177 microns, Phi 2.5	2.220	1.560	2.010	1.720	1.990
>177 to 197 microns	1.570	1.090	1.430	1.200	1.400
>197 to 210 microns, Phi 2.25	0.652	0.455	0.598	0.497	0.583
>210 to 217 microns	0.290	0.202	0.266	0.220	0.259
>217 to 245 microns	0.824	0.580	0.764	0.630	0.738
>245 to 250 microns, Phi 2	0.104	0.074	0.098	0.080	0.093
>250 to 300 microns, Phi 1.75	0.653	0.471	0.617	0.507	0.585
>300 to 320 microns	0.119	0.090	0.115	0.095	0.107
>320 to 350 microns, Phi 1.5	0.151	0.115	0.147	0.122	0.137
>350 to 360 microns	0.033	0.026	0.032	0.027	0.030
>360 to 400 microns	0.118	0.084	0.116	0.088	0.108
>400 to 420 microns, Phi 1.25	0.041	0.000	0.040	0.000	0.038
>420 to 440 microns	0.039	0.000	0.038	0.000	0.036
>440 to 500 microns, Phi 1	0.022	0.000	0.021	0.000	0.020
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	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
>710 to 773 microns	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
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	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
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	ND	ND	ND	ND	ND
Totals:	100.012	100.016	100.018	100.017	99.994

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	A-16 P349355 11-JUL-2006	B-3 P349357 11-JUL-2006	B-5 P349450 12-JUL-2006	B-8 P328879 17-JAN-2006	B-8 P349231 11-JUL-2006
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.347	0.110	0.107
>1 to 1.5 microns, Phi 9.5	0.426	0.426	0.580	0.548	0.538
>1.5 to 2 microns, Phi 9	0.531	0.547	0.725	0.711	0.738
>2.0 to 2.4 microns	0.485	0.505	0.669	0.651	0.709
>2.4 to 2.9 microns, Phi 8.5	0.639	0.667	0.885	0.843	0.954
>2.9 to 3.4 microns	0.663	0.694	0.921	0.856	1.000
>3.4 to 3.9 microns, Phi 8	0.717	0.752	1.000	0.909	1.100
>3.9 to 4 microns	0.149	0.156	0.207	0.187	0.230
>4.0 to 4.3 microns	0.428	0.449	0.594	0.536	0.659
>4.3 to 4.5 microns	0.275	0.289	0.383	0.344	0.425
>4.5 to 5 microns	0.732	0.771	1.020	0.904	1.140
>5 to 5.5 microns	0.726	0.766	1.000	0.892	1.130
>5.5 to 5.7 microns	0.280	0.296	0.385	0.344	0.437
>5.7 to 5.9 microns, Phi 7.5	0.276	0.291	0.378	0.338	0.430
>5.9 to 7.8 microns, Phi 7	2.590	2.750	3.480	3.150	4.060
>7.8 to 8 microns	0.264	0.282	0.344	0.322	0.417
>8 to 8.5 microns	0.633	0.676	0.824	0.771	0.999
>8.5 to 8.9 microns	0.487	0.521	0.630	0.594	0.769
>8.9 to 9.1 microns	0.248	0.266	0.314	0.304	0.393
>9.1 to 9.5 microns	0.480	0.515	0.607	0.589	0.760
>9.5 to 9.8 microns	0.347	0.372	0.439	0.426	0.549
>9.8 to 10.1 microns	0.336	0.361	0.426	0.413	0.533
>10.1 to 10.6 microns	0.579	0.625	0.713	0.716	0.923
>10.6 to 11.1 microns	0.553	0.596	0.680	0.683	0.880
>11.1 to 11.3 microns	0.214	0.231	0.264	0.265	0.341
>11.3 to 11.7 microns, Phi 6.5	0.420	0.454	0.510	0.521	0.669
>11.7 to 14 microns	2.220	2.410	2.600	2.800	3.550
>14 to 14.8 microns	0.707	0.770	0.807	0.903	1.130
>14.8 to 15.6 microns	0.684	0.746	0.765	0.885	1.100
>15.6 to 16 microns	0.335	0.366	0.368	0.439	0.539
>16 to 20 microns	3.020	3.300	3.220	4.020	4.860
>20 to 23 microns, Phi 5.5	1.980	2.180	1.990	2.760	3.210
>23 to 27 microns	2.410	2.650	2.330	3.520	3.940
>27 to 31 microns, Phi 5	2.290	2.500	2.150	3.460	3.720
>31 to 32 microns	0.572	0.620	0.530	0.884	0.922
>32 to 35.6 microns	2.050	2.200	1.880	3.160	3.240
>35.6 to 37 microns, Phi 4.75	0.820	0.869	0.748	1.260	1.270
>37 to 39.6 microns	1.490	1.570	1.360	2.280	2.270
>39.6 to 43.6 microns	2.560	2.620	2.290	3.740	3.620
>43.6 to 44 microns, Phi 4.5	0.243	0.248	0.218	0.355	0.343
>44 to 45 microns	0.607	0.619	0.544	0.882	0.851
>45 to 46.4 microns	1.040	1.020	0.912	1.390	1.290
>46.4 to 53 microns, Phi 4.25	4.760	4.600	4.170	6.180	5.710
>53 to 62.5 microns, Phi 4	7.540	6.960	6.500	8.490	7.530
>62.5 to 64 microns	1.220	1.100	1.050	1.260	1.090
>64 to 71.7 microns	6.230	5.580	5.350	5.930	5.080
>71.7 to 74 microns	1.830	1.630	1.570	1.630	1.370
>74 to 79.6 microns	4.290	3.840	3.720	3.610	3.030
>79.6 to 87.6 microns	5.750	5.190	5.060	4.450	3.690

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	A-16 P349355 11-JUL-2006	B-3 P349357 11-JUL-2006	B-5 P349450 12-JUL-2006	B-8 P328879 17-JAN-2006	B-8 P349231 11-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.274	0.247	0.241	0.212	0.175
>88 to 90 microns	1.300	1.210	1.180	0.929	0.764
>90 to 105 microns, Phi 3.25	8.560	8.140	7.880	5.760	4.730
>105 to 125 microns, Phi 3	8.010	8.100	7.790	4.840	3.970
>125 to 149 microns, Phi 2.75	5.890	6.270	6.050	3.260	2.710
>149 to 160 microns	1.670	1.800	1.770	0.868	0.739
>160 to 177 microns, Phi 2.5	1.960	2.120	2.110	0.994	0.857
>177 to 197 microns	1.400	1.490	1.530	0.686	0.608
>197 to 210 microns, Phi 2.25	0.588	0.610	0.641	0.286	0.259
>210 to 217 microns	0.263	0.269	0.286	0.127	0.116
>217 to 245 microns	0.755	0.759	0.816	0.366	0.341
>245 to 250 microns, Phi 2	0.097	0.095	0.103	0.047	0.045
>250 to 300 microns, Phi 1.75	0.613	0.586	0.644	0.304	0.297
>300 to 320 microns	0.115	0.105	0.115	0.060	0.062
>320 to 350 microns, Phi 1.5	0.146	0.133	0.146	0.067	0.069
>350 to 360 microns	0.032	0.029	0.031	0.000	0.000
>360 to 400 microns	0.116	0.104	0.113	0.000	0.000
>400 to 420 microns, Phi 1.25	0.040	0.036	0.039	0.000	0.000
>420 to 440 microns	0.038	0.035	0.037	0.000	0.000
>440 to 500 microns, Phi 1	0.021	0.019	0.021	0.000	0.000
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	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
>710 to 773 microns	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
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	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
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	ND	ND	1.97	ND	ND
Totals:	100.014	100.003	101.970	100.021	99.987

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	B-9 P328885 17-JAN-2006	B-9 P349232 11-JUL-2006	B-10 P328874 17-JAN-2006	B-10 P349234 11-JUL-2006	B-11 P328213 11-JAN-2006
<0.500 microns, Phi 11	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	0.103
>1 to 1.5 microns, Phi 9.5	0.461	0.451	0.273	0.402	0.528
>1.5 to 2 microns, Phi 9	0.595	0.597	0.501	0.521	0.718
>2.0 to 2.4 microns	0.545	0.562	0.479	0.488	0.682
>2.4 to 2.9 microns, Phi 8.5	0.710	0.747	0.643	0.649	0.905
>2.9 to 3.4 microns	0.725	0.778	0.674	0.676	0.940
>3.4 to 3.9 microns, Phi 8	0.774	0.847	0.738	0.735	1.020
>3.9 to 4 microns	0.158	0.174	0.151	0.150	0.211
>4.0 to 4.3 microns	0.453	0.500	0.433	0.431	0.604
>4.3 to 4.5 microns	0.291	0.322	0.279	0.277	0.389
>4.5 to 5 microns	0.763	0.854	0.738	0.731	1.030
>5 to 5.5 microns	0.746	0.838	0.716	0.710	1.020
>5.5 to 5.7 microns	0.286	0.323	0.275	0.272	0.391
>5.7 to 5.9 microns, Phi 7.5	0.281	0.317	0.270	0.267	0.383
>5.9 to 7.8 microns, Phi 7	2.560	2.920	2.430	2.420	3.530
>7.8 to 8 microns	0.254	0.290	0.233	0.235	0.350
>8 to 8.5 microns	0.609	0.696	0.557	0.561	0.837
>8.5 to 8.9 microns	0.467	0.533	0.424	0.428	0.640
>8.9 to 9.1 microns	0.234	0.267	0.208	0.211	0.320
>9.1 to 9.5 microns	0.453	0.517	0.401	0.409	0.619
>9.5 to 9.8 microns	0.327	0.374	0.290	0.296	0.447
>9.8 to 10.1 microns	0.318	0.363	0.281	0.287	0.434
>10.1 to 10.6 microns	0.535	0.612	0.459	0.474	0.726
>10.6 to 11.1 microns	0.510	0.584	0.438	0.452	0.693
>11.1 to 11.3 microns	0.198	0.226	0.170	0.175	0.268
>11.3 to 11.7 microns, Phi 6.5	0.385	0.440	0.326	0.338	0.520
>11.7 to 14 microns	2.010	2.280	1.620	1.710	2.650
>14 to 14.8 microns	0.631	0.716	0.492	0.527	0.823
>14.8 to 15.6 microns	0.608	0.687	0.462	0.498	0.780
>15.6 to 16 microns	0.297	0.334	0.220	0.239	0.375
>16 to 20 microns	2.650	2.970	1.890	2.080	3.280
>20 to 23 microns, Phi 5.5	1.730	1.910	1.130	1.280	2.020
>23 to 27 microns	2.120	2.310	1.290	1.490	2.340
>27 to 31 microns, Phi 5	2.050	2.190	1.180	1.370	2.130
>31 to 32 microns	0.520	0.552	0.292	0.338	0.518
>32 to 35.6 microns	1.880	1.980	1.050	1.200	1.820
>35.6 to 37 microns, Phi 4.75	0.763	0.794	0.424	0.480	0.709
>37 to 39.6 microns	1.390	1.440	0.776	0.876	1.280
>39.6 to 43.6 microns	2.380	2.450	1.370	1.510	2.050
>43.6 to 44 microns, Phi 4.5	0.226	0.233	0.130	0.143	0.195
>44 to 45 microns	0.565	0.582	0.328	0.359	0.484
>45 to 46.4 microns	0.950	0.977	0.593	0.629	0.755
>46.4 to 53 microns, Phi 4.25	4.330	4.460	2.790	2.930	3.370
>53 to 62.5 microns, Phi 4	6.650	6.920	4.980	5.050	4.730
>62.5 to 64 microns	1.060	1.110	0.865	0.865	0.719
>64 to 71.7 microns	5.390	5.680	4.800	4.780	3.540
>71.7 to 74 microns	1.580	1.670	1.500	1.490	1.010
>74 to 79.6 microns	3.730	3.940	3.750	3.740	2.360
>79.6 to 87.6 microns	5.050	5.350	5.500	5.520	3.150

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	B-9 P328885 17-JAN-2006	B-9 P349232 11-JUL-2006	B-10 P328874 17-JAN-2006	B-10 P349234 11-JUL-2006	B-11 P328213 11-JAN-2006
>87.6 to 88 microns, Phi 3.5	0.240	0.255	0.262	0.263	0.150
>88 to 90 microns	1.180	1.240	1.390	1.420	0.746
>90 to 105 microns, Phi 3.25	7.890	8.310	9.770	10.200	5.130
>105 to 125 microns, Phi 3	7.870	8.160	10.500	11.500	5.790
>125 to 149 microns, Phi 2.75	6.300	6.300	8.680	9.960	5.690
>149 to 160 microns	1.950	1.850	2.660	3.090	2.190
>160 to 177 microns, Phi 2.5	2.390	2.220	3.240	3.760	3.000
>177 to 197 microns	1.880	1.630	2.480	2.770	2.920
>197 to 210 microns, Phi 2.25	0.865	0.696	1.110	1.160	1.580
>210 to 217 microns	0.402	0.313	0.510	0.519	0.783
>217 to 245 microns	1.230	0.907	1.540	1.470	2.650
>245 to 250 microns, Phi 2	0.171	0.117	0.211	0.183	0.407
>250 to 300 microns, Phi 1.75	1.210	0.745	1.480	1.110	3.180
>300 to 320 microns	0.283	0.137	0.348	0.185	0.856
>320 to 350 microns, Phi 1.5	0.373	0.175	0.462	0.233	1.140
>350 to 360 microns	0.095	0.038	0.122	0.047	0.298
>360 to 400 microns	0.351	0.135	0.450	0.168	1.090
>400 to 420 microns, Phi 1.25	0.144	0.046	0.192	0.054	0.431
>420 to 440 microns	0.137	0.044	0.184	0.052	0.411
>440 to 500 microns, Phi 1	0.368	0.024	0.517	0.114	1.020
>500 to 590 microns, Phi 0.75	0.499	0.000	0.741	0.029	0.832
>590 to 630 microns	0.226	0.000	0.354	0.000	0.165
>630 to 696 microns	0.360	0.000	0.569	0.000	0.178
>696 to 710 microns, Phi 0.5	0.081	0.000	0.130	0.000	0.000
>710 to 773 microns	0.344	0.000	0.552	0.000	0.000
>773 to 840 microns, Phi 0.25	0.374	0.000	0.601	0.000	0.000
>840 to 850 microns	0.054	0.000	0.087	0.000	0.000
>850 to 930 microns	0.320	0.000	0.513	0.000	0.000
>930 to 1000 microns, Phi 0	0.183	0.000	0.294	0.000	0.000
1000 to 1100 microns	0.049	0.000	0.178	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.079	0.000	0.000
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	1.82	ND	2.45	ND	3.90
Totals:	101.837	100.009	102.475	99.986	103.933

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	B-11 P349235 11-JUL-2006	B-12 P328218 11-JAN-2006	B-12 P349236 11-JUL-2006	E-1 P327995 10-JAN-2006	E-1 P349648 13-JUL-2006
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.234	0.000	0.000	0.105	0.104
>1 to 1.5 microns, Phi 9.5	0.588	0.278	0.290	0.543	0.513
>1.5 to 2 microns, Phi 9	0.765	0.512	0.548	0.722	0.673
>2.0 to 2.4 microns	0.718	0.490	0.541	0.662	0.624
>2.4 to 2.9 microns, Phi 8.5	0.955	0.657	0.747	0.853	0.817
>2.9 to 3.4 microns	0.994	0.687	0.802	0.860	0.837
>3.4 to 3.9 microns, Phi 8	1.080	0.752	0.902	0.909	0.899
>3.9 to 4 microns	0.223	0.155	0.188	0.185	0.184
>4.0 to 4.3 microns	0.641	0.444	0.540	0.531	0.528
>4.3 to 4.5 microns	0.413	0.286	0.348	0.341	0.339
>4.5 to 5 microns	1.100	0.758	0.940	0.891	0.894
>5 to 5.5 microns	1.080	0.741	0.928	0.875	0.881
>5.5 to 5.7 microns	0.415	0.285	0.358	0.337	0.339
>5.7 to 5.9 microns, Phi 7.5	0.407	0.280	0.352	0.330	0.333
>5.9 to 7.8 microns, Phi 7	3.750	2.550	3.280	3.040	3.090
>7.8 to 8 microns	0.371	0.249	0.324	0.307	0.313
>8 to 8.5 microns	0.890	0.595	0.775	0.735	0.750
>8.5 to 8.9 microns	0.681	0.454	0.592	0.564	0.576
>8.9 to 9.1 microns	0.340	0.225	0.294	0.286	0.293
>9.1 to 9.5 microns	0.658	0.435	0.570	0.554	0.567
>9.5 to 9.8 microns	0.476	0.314	0.412	0.400	0.410
>9.8 to 10.1 microns	0.461	0.305	0.400	0.388	0.398
>10.1 to 10.6 microns	0.775	0.503	0.668	0.663	0.684
>10.6 to 11.1 microns	0.740	0.480	0.638	0.633	0.652
>11.1 to 11.3 microns	0.287	0.186	0.247	0.245	0.253
>11.3 to 11.7 microns, Phi 6.5	0.555	0.359	0.477	0.479	0.495
>11.7 to 14 microns	2.840	1.810	2.410	2.520	2.620
>14 to 14.8 microns	0.886	0.556	0.743	0.799	0.834
>14.8 to 15.6 microns	0.842	0.524	0.697	0.771	0.807
>15.6 to 16 microns	0.406	0.251	0.333	0.377	0.395
>16 to 20 microns	3.570	2.170	2.880	3.380	3.560
>20 to 23 microns, Phi 5.5	2.230	1.320	1.730	2.190	2.340
>23 to 27 microns	2.630	1.510	1.940	2.640	2.850
>27 to 31 microns, Phi 5	2.430	1.370	1.710	2.450	2.650
>31 to 32 microns	0.596	0.337	0.406	0.600	0.648
>32 to 35.6 microns	2.100	1.200	1.410	2.100	2.260
>35.6 to 37 microns, Phi 4.75	0.824	0.473	0.538	0.816	0.870
>37 to 39.6 microns	1.490	0.857	0.967	1.460	1.560
>39.6 to 43.6 microns	2.420	1.430	1.540	2.320	2.440
>43.6 to 44 microns, Phi 4.5	0.230	0.135	0.146	0.220	0.232
>44 to 45 microns	0.572	0.337	0.364	0.547	0.575
>45 to 46.4 microns	0.909	0.551	0.575	0.836	0.874
>46.4 to 53 microns, Phi 4.25	4.080	2.500	2.590	3.710	3.880
>53 to 62.5 microns, Phi 4	5.890	3.800	3.870	5.080	5.340
>62.5 to 64 microns	0.908	0.608	0.615	0.762	0.806
>64 to 71.7 microns	4.500	3.160	3.190	3.740	3.970
>71.7 to 74 microns	1.290	0.938	0.948	1.060	1.130
>74 to 79.6 microns	3.010	2.270	2.310	2.470	2.660
>79.6 to 87.6 microns	4.010	3.190	3.290	3.300	3.570

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	B-11 P349235 11-JUL-2006	B-12 P328218 11-JAN-2006	B-12 P349236 11-JUL-2006	E-1 P327995 10-JAN-2006	E-1 P349648 13-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.191	0.152	0.156	0.157	0.170
>88 to 90 microns	0.933	0.792	0.845	0.785	0.859
>90 to 105 microns, Phi 3.25	6.320	5.610	6.160	5.430	5.990
>105 to 125 microns, Phi 3	6.690	6.640	7.890	6.180	6.930
>125 to 149 microns, Phi 2.75	5.890	6.730	8.580	6.050	6.780
>149 to 160 microns	1.980	2.670	3.460	2.290	2.490
>160 to 177 microns, Phi 2.5	2.530	3.730	4.780	3.100	3.290
>177 to 197 microns	2.100	3.800	4.540	2.920	2.890
>197 to 210 microns, Phi 2.25	0.964	2.170	2.270	1.520	1.370
>210 to 217 microns	0.449	1.100	1.100	0.742	0.648
>217 to 245 microns	1.340	3.880	3.350	2.430	1.950
>245 to 250 microns, Phi 2	0.180	0.623	0.464	0.363	0.264
>250 to 300 microns, Phi 1.75	1.160	5.210	2.970	2.710	1.690
>300 to 320 microns	0.213	1.570	0.499	0.681	0.298
>320 to 350 microns, Phi 1.5	0.269	2.110	0.618	0.898	0.374
>350 to 360 microns	0.055	0.582	0.113	0.229	0.073
>360 to 400 microns	0.196	2.130	0.395	0.836	0.259
>400 to 420 microns, Phi 1.25	0.062	0.855	0.108	0.329	0.078
>420 to 440 microns	0.059	0.816	0.103	0.313	0.074
>440 to 500 microns, Phi 1	0.126	1.970	0.199	0.790	0.153
>500 to 590 microns, Phi 0.75	0.031	1.590	0.047	0.646	0.037
>590 to 630 microns	0.000	0.316	0.000	0.014	0.000
>630 to 696 microns	0.000	0.406	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.051	0.000	0.000	0.000
>710 to 773 microns	0.000	0.217	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.014	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	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
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	ND	2.13	ND	1.13	2.92
Totals:	99.998	102.141	100.010	101.129	102.904

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-2 P349659 13-JUL-2006	E-3 P328010 10-JAN-2006	E-3 P349665 13-JUL-2006	E-5 P328230 11-JAN-2006	E-5 P349671 13-JUL-2006
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.107	0.000	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.511	0.427	0.459	0.229	0.386
>1.5 to 2 microns, Phi 9	0.655	0.602	0.641	0.429	0.481
>2.0 to 2.4 microns	0.603	0.570	0.619	0.414	0.440
>2.4 to 2.9 microns, Phi 8.5	0.787	0.748	0.833	0.557	0.578
>2.9 to 3.4 microns	0.804	0.765	0.875	0.584	0.595
>3.4 to 3.9 microns, Phi 8	0.860	0.820	0.962	0.640	0.640
>3.9 to 4 microns	0.175	0.167	0.199	0.132	0.131
>4.0 to 4.3 microns	0.502	0.479	0.573	0.379	0.374
>4.3 to 4.5 microns	0.322	0.307	0.369	0.244	0.241
>4.5 to 5 microns	0.846	0.807	0.986	0.650	0.632
>5 to 5.5 microns	0.827	0.788	0.975	0.639	0.616
>5.5 to 5.7 microns	0.318	0.303	0.376	0.246	0.236
>5.7 to 5.9 microns, Phi 7.5	0.311	0.297	0.370	0.242	0.232
>5.9 to 7.8 microns, Phi 7	2.850	2.700	3.440	2.240	2.110
>7.8 to 8 microns	0.284	0.266	0.344	0.222	0.208
>8 to 8.5 microns	0.680	0.637	0.825	0.532	0.498
>8.5 to 8.9 microns	0.522	0.487	0.631	0.408	0.381
>8.9 to 9.1 microns	0.263	0.242	0.316	0.204	0.191
>9.1 to 9.5 microns	0.508	0.469	0.612	0.396	0.369
>9.5 to 9.8 microns	0.367	0.339	0.442	0.286	0.267
>9.8 to 10.1 microns	0.356	0.329	0.429	0.277	0.259
>10.1 to 10.6 microns	0.605	0.549	0.726	0.467	0.435
>10.6 to 11.1 microns	0.577	0.524	0.692	0.446	0.415
>11.1 to 11.3 microns	0.224	0.203	0.268	0.173	0.161
>11.3 to 11.7 microns, Phi 6.5	0.436	0.393	0.519	0.336	0.313
>11.7 to 14 microns	2.280	2.000	2.650	1.740	1.630
>14 to 14.8 microns	0.721	0.619	0.823	0.545	0.514
>14.8 to 15.6 microns	0.696	0.584	0.774	0.523	0.496
>15.6 to 16 microns	0.340	0.280	0.370	0.255	0.243
>16 to 20 microns	3.050	2.440	3.210	2.260	2.180
>20 to 23 microns, Phi 5.5	1.990	1.480	1.930	1.450	1.440
>23 to 27 microns	2.420	1.680	2.150	1.770	1.800
>27 to 31 microns, Phi 5	2.280	1.470	1.850	1.710	1.780
>31 to 32 microns	0.566	0.347	0.428	0.437	0.461
>32 to 35.6 microns	2.000	1.190	1.450	1.590	1.690
>35.6 to 37 microns, Phi 4.75	0.784	0.450	0.537	0.656	0.696
>37 to 39.6 microns	1.410	0.803	0.955	1.200	1.280
>39.6 to 43.6 microns	2.300	1.240	1.440	2.120	2.250
>43.6 to 44 microns, Phi 4.5	0.219	0.117	0.136	0.201	0.214
>44 to 45 microns	0.544	0.291	0.337	0.505	0.535
>45 to 46.4 microns	0.871	0.436	0.499	0.881	0.932
>46.4 to 53 microns, Phi 4.25	3.930	1.940	2.220	4.060	4.290
>53 to 62.5 microns, Phi 4	5.810	2.670	3.080	6.580	6.940
>62.5 to 64 microns	0.911	0.408	0.472	1.080	1.140
>64 to 71.7 microns	4.620	2.060	2.410	5.670	5.960
>71.7 to 74 microns	1.350	0.597	0.705	1.700	1.790
>74 to 79.6 microns	3.200	1.440	1.720	4.100	4.310
>79.6 to 87.6 microns	4.390	2.030	2.440	5.750	6.030

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-2 P349659 13-JUL-2006	E-3 P328010 10-JAN-2006	E-3 P349665 13-JUL-2006	E-5 P328230 11-JAN-2006	E-5 P349671 13-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.209	0.096	0.116	0.274	0.287
>88 to 90 microns	1.060	0.523	0.644	1.390	1.450
>90 to 105 microns, Phi 3.25	7.340	3.860	4.830	9.570	9.930
>105 to 125 microns, Phi 3	8.150	5.240	6.810	9.980	10.100
>125 to 149 microns, Phi 2.75	7.380	6.270	8.370	8.080	7.850
>149 to 160 microns	2.490	2.810	3.730	2.440	2.260
>160 to 177 microns, Phi 2.5	3.170	4.090	5.360	2.940	2.660
>177 to 197 microns	2.560	4.370	5.420	2.190	1.880
>197 to 210 microns, Phi 2.25	1.150	2.470	2.780	0.944	0.783
>210 to 217 microns	0.527	1.250	1.350	0.427	0.347
>217 to 245 microns	1.540	4.250	4.130	1.250	0.992
>245 to 250 microns, Phi 2	0.201	0.659	0.572	0.164	0.126
>250 to 300 microns, Phi 1.75	1.260	5.090	3.580	1.070	0.792
>300 to 320 microns	0.216	1.320	0.564	0.211	0.146
>320 to 350 microns, Phi 1.5	0.272	1.740	0.692	0.271	0.187
>350 to 360 microns	0.054	0.446	0.119	0.061	0.041
>360 to 400 microns	0.193	1.630	0.417	0.221	0.147
>400 to 420 microns, Phi 1.25	0.060	0.637	0.109	0.078	0.051
>420 to 440 microns	0.058	0.608	0.104	0.075	0.048
>440 to 500 microns, Phi 1	0.124	1.530	0.196	0.173	0.111
>500 to 590 microns, Phi 0.75	0.031	1.880	0.046	0.044	0.028
>590 to 630 microns	0.000	0.760	0.000	0.000	0.000
>630 to 696 microns	0.000	1.180	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.246	0.000	0.000	0.000
>710 to 773 microns	0.000	1.050	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	1.070	0.000	0.000	0.000
>840 to 850 microns	0.000	0.153	0.000	0.000	0.000
>850 to 930 microns	0.000	1.120	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.864	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.878	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.598	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.414	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.133	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	1.08	1.69	1.02	ND	ND
Totals:	101.107	101.715	101.026	100.008	100.006

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-7 P328237 11-JAN-2006	E-7 P349677 13-JUL-2006	E-8 P328241 11-JAN-2006	E-8 P349683 13-JUL-2006	E-11 P328224 11-JAN-2006
<0.500 microns, Phi 11	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
>1 to 1.5 microns, Phi 9.5	0.285	0.277	0.405	0.236	0.173
>1.5 to 2 microns, Phi 9	0.503	0.499	0.510	0.421	0.396
>2.0 to 2.4 microns	0.464	0.470	0.463	0.400	0.370
>2.4 to 2.9 microns, Phi 8.5	0.605	0.623	0.601	0.539	0.488
>2.9 to 3.4 microns	0.620	0.645	0.612	0.567	0.502
>3.4 to 3.9 microns, Phi 8	0.663	0.696	0.651	0.623	0.539
>3.9 to 4 microns	0.136	0.142	0.133	0.128	0.110
>4.0 to 4.3 microns	0.390	0.408	0.380	0.368	0.314
>4.3 to 4.5 microns	0.250	0.262	0.244	0.237	0.202
>4.5 to 5 microns	0.659	0.690	0.639	0.630	0.529
>5 to 5.5 microns	0.647	0.674	0.623	0.616	0.514
>5.5 to 5.7 microns	0.249	0.259	0.239	0.237	0.198
>5.7 to 5.9 microns, Phi 7.5	0.245	0.254	0.234	0.233	0.194
>5.9 to 7.8 microns, Phi 7	2.260	2.320	2.130	2.140	1.760
>7.8 to 8 microns	0.228	0.232	0.210	0.210	0.173
>8 to 8.5 microns	0.547	0.555	0.503	0.504	0.414
>8.5 to 8.9 microns	0.420	0.426	0.385	0.386	0.317
>8.9 to 9.1 microns	0.213	0.215	0.193	0.193	0.159
>9.1 to 9.5 microns	0.413	0.416	0.373	0.373	0.308
>9.5 to 9.8 microns	0.298	0.300	0.269	0.270	0.223
>9.8 to 10.1 microns	0.290	0.292	0.261	0.262	0.216
>10.1 to 10.6 microns	0.495	0.495	0.438	0.438	0.363
>10.6 to 11.1 microns	0.473	0.472	0.418	0.418	0.346
>11.1 to 11.3 microns	0.183	0.183	0.162	0.162	0.134
>11.3 to 11.7 microns, Phi 6.5	0.360	0.358	0.315	0.315	0.262
>11.7 to 14 microns	1.910	1.900	1.640	1.640	1.370
>14 to 14.8 microns	0.611	0.605	0.514	0.513	0.434
>14.8 to 15.6 microns	0.597	0.591	0.496	0.494	0.422
>15.6 to 16 microns	0.295	0.292	0.242	0.241	0.208
>16 to 20 microns	2.680	2.660	2.160	2.160	1.880
>20 to 23 microns, Phi 5.5	1.820	1.820	1.410	1.410	1.260
>23 to 27 microns	2.320	2.350	1.740	1.750	1.610
>27 to 31 microns, Phi 5	2.320	2.380	1.700	1.730	1.620
>31 to 32 microns	0.606	0.624	0.438	0.448	0.423
>32 to 35.6 microns	2.220	2.280	1.600	1.640	1.540
>35.6 to 37 microns, Phi 4.75	0.920	0.946	0.659	0.679	0.636
>37 to 39.6 microns	1.680	1.730	1.210	1.250	1.160
>39.6 to 43.6 microns	2.960	3.020	2.140	2.210	2.060
>43.6 to 44 microns, Phi 4.5	0.281	0.287	0.203	0.210	0.196
>44 to 45 microns	0.703	0.718	0.509	0.527	0.491
>45 to 46.4 microns	1.200	1.220	0.892	0.926	0.877
>46.4 to 53 microns, Phi 4.25	5.450	5.550	4.110	4.280	4.090
>53 to 62.5 microns, Phi 4	8.240	8.400	6.670	7.000	7.000
>62.5 to 64 microns	1.290	1.320	1.090	1.150	1.180
>64 to 71.7 microns	6.400	6.540	5.680	6.070	6.300
>71.7 to 74 microns	1.840	1.880	1.690	1.820	1.910
>74 to 79.6 microns	4.250	4.340	4.050	4.410	4.610
>79.6 to 87.6 microns	5.610	5.700	5.600	6.180	6.450

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-7 P328237 11-JAN-2006	E-7 P349677 13-JUL-2006	E-8 P328241 11-JAN-2006	E-8 P349683 13-JUL-2006	E-11 P328224 11-JAN-2006
>87.6 to 88 microns, Phi 3.5	0.267	0.271	0.267	0.294	0.307
>88 to 90 microns	1.260	1.280	1.330	1.490	1.540
>90 to 105 microns, Phi 3.25	8.310	8.330	9.010	10.200	10.500
>105 to 125 microns, Phi 3	7.870	7.740	9.040	10.300	10.500
>125 to 149 microns, Phi 2.75	5.880	5.670	7.040	7.890	8.130
>149 to 160 microns	1.680	1.590	2.080	2.240	2.360
>160 to 177 microns, Phi 2.5	1.980	1.850	2.490	2.610	2.790
>177 to 197 microns	1.420	1.300	1.860	1.820	2.040
>197 to 210 microns, Phi 2.25	0.602	0.544	0.821	0.748	0.878
>210 to 217 microns	0.270	0.242	0.376	0.330	0.397
>217 to 245 microns	0.788	0.697	1.140	0.937	1.170
>245 to 250 microns, Phi 2	0.103	0.089	0.155	0.118	0.155
>250 to 300 microns, Phi 1.75	0.676	0.576	1.100	0.740	1.040
>300 to 320 microns	0.138	0.112	0.269	0.136	0.220
>320 to 350 microns, Phi 1.5	0.179	0.145	0.360	0.174	0.286
>350 to 360 microns	0.042	0.033	0.099	0.038	0.068
>360 to 400 microns	0.152	0.119	0.367	0.138	0.247
>400 to 420 microns, Phi 1.25	0.056	0.043	0.164	0.048	0.092
>420 to 440 microns	0.054	0.041	0.157	0.046	0.088
>440 to 500 microns, Phi 1	0.128	0.023	0.457	0.107	0.210
>500 to 590 microns, Phi 0.75	0.033	0.000	0.680	0.027	0.054
>590 to 630 microns	0.000	0.000	0.330	0.000	0.000
>630 to 696 microns	0.000	0.000	0.529	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.119	0.000	0.000
>710 to 773 microns	0.000	0.000	0.509	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.545	0.000	0.000
>840 to 850 microns	0.000	0.000	0.078	0.000	0.000
>850 to 930 microns	0.000	0.000	0.464	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.266	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.071	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000	0.000	0.000
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	ND	ND	ND	ND	*
Totals:	99.987	100.011	100.007	100.075	100.003

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-11 P349653 13-JUL-2006	E-14 P328293 12-JAN-2006	E-15 P328298 12-JAN-2006	E-15 P349462 12-JUL-2006	E-17 P328304 12-JAN-2006
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000	0.101	0.000
>1 to 1.5 microns, Phi 9.5	0.405	0.250	0.403	0.460	0.268
>1.5 to 2 microns, Phi 9	0.489	0.443	0.514	0.573	0.487
>2.0 to 2.4 microns	0.437	0.411	0.466	0.526	0.458
>2.4 to 2.9 microns, Phi 8.5	0.565	0.538	0.601	0.692	0.605
>2.9 to 3.4 microns	0.573	0.551	0.608	0.711	0.623
>3.4 to 3.9 microns, Phi 8	0.606	0.591	0.643	0.766	0.671
>3.9 to 4 microns	0.123	0.120	0.130	0.155	0.137
>4.0 to 4.3 microns	0.353	0.344	0.374	0.446	0.393
>4.3 to 4.5 microns	0.226	0.221	0.240	0.286	0.252
>4.5 to 5 microns	0.589	0.577	0.626	0.750	0.663
>5 to 5.5 microns	0.572	0.559	0.609	0.725	0.647
>5.5 to 5.7 microns	0.219	0.214	0.234	0.278	0.248
>5.7 to 5.9 microns, Phi 7.5	0.214	0.210	0.229	0.272	0.244
>5.9 to 7.8 microns, Phi 7	1.940	1.890	2.080	2.440	2.220
>7.8 to 8 microns	0.191	0.183	0.206	0.235	0.219
>8 to 8.5 microns	0.457	0.438	0.492	0.562	0.525
>8.5 to 8.9 microns	0.350	0.334	0.377	0.428	0.402
>8.9 to 9.1 microns	0.175	0.165	0.189	0.211	0.201
>9.1 to 9.5 microns	0.338	0.320	0.366	0.408	0.389
>9.5 to 9.8 microns	0.245	0.231	0.264	0.295	0.282
>9.8 to 10.1 microns	0.238	0.224	0.256	0.286	0.273
>10.1 to 10.6 microns	0.398	0.370	0.432	0.471	0.459
>10.6 to 11.1 microns	0.380	0.353	0.412	0.449	0.438
>11.1 to 11.3 microns	0.147	0.137	0.159	0.174	0.170
>11.3 to 11.7 microns, Phi 6.5	0.288	0.265	0.311	0.336	0.331
>11.7 to 14 microns	1.500	1.360	1.620	1.700	1.730
>14 to 14.8 microns	0.475	0.421	0.512	0.526	0.543
>14.8 to 15.6 microns	0.460	0.404	0.494	0.500	0.525
>15.6 to 16 microns	0.226	0.196	0.242	0.241	0.257
>16 to 20 microns	2.040	1.740	2.170	2.120	2.300
>20 to 23 microns, Phi 5.5	1.360	1.110	1.420	1.330	1.520
>23 to 27 microns	1.720	1.370	1.750	1.600	1.890
>27 to 31 microns, Phi 5	1.720	1.340	1.700	1.530	1.850
>31 to 32 microns	0.448	0.350	0.433	0.390	0.475
>32 to 35.6 microns	1.640	1.290	1.560	1.410	1.720
>35.6 to 37 microns, Phi 4.75	0.684	0.545	0.636	0.580	0.700
>37 to 39.6 microns	1.260	1.010	1.160	1.060	1.280
>39.6 to 43.6 microns	2.240	1.860	2.040	1.880	2.230
>43.6 to 44 microns, Phi 4.5	0.213	0.176	0.194	0.179	0.212
>44 to 45 microns	0.535	0.444	0.486	0.449	0.531
>45 to 46.4 microns	0.948	0.818	0.859	0.799	0.933
>46.4 to 53 microns, Phi 4.25	4.390	3.830	3.990	3.720	4.330
>53 to 62.5 microns, Phi 4	7.280	6.610	6.730	6.330	7.210
>62.5 to 64 microns	1.210	1.120	1.130	1.070	1.200
>64 to 71.7 microns	6.360	6.020	5.990	5.760	6.290
>71.7 to 74 microns	1.910	1.840	1.810	1.760	1.880
>74 to 79.6 microns	4.610	4.510	4.400	4.320	4.500
>79.6 to 87.6 microns	6.430	6.440	6.180	6.180	6.220

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-11 P349653 13-JUL-2006	E-14 P328293 12-JAN-2006	E-15 P328298 12-JAN-2006	E-15 P349462 12-JUL-2006	E-17 P328304 12-JAN-2006
>87.6 to 88 microns, Phi 3.5	0.306	0.306	0.294	0.294	0.296
>88 to 90 microns	1.530	1.570	1.480	1.510	1.460
>90 to 105 microns, Phi 3.25	10.400	10.800	10.100	10.400	9.820
>105 to 125 microns, Phi 3	10.300	10.900	9.980	10.600	9.590
>125 to 149 microns, Phi 2.75	7.710	8.220	7.510	8.070	7.180
>149 to 160 microns	2.140	2.320	2.120	2.280	2.020
>160 to 177 microns, Phi 2.5	2.480	2.700	2.490	2.660	2.360
>177 to 197 microns	1.710	1.910	1.780	1.870	1.660
>197 to 210 microns, Phi 2.25	0.698	0.813	0.761	0.776	0.700
>210 to 217 microns	0.307	0.365	0.343	0.344	0.312
>217 to 245 microns	0.871	1.080	1.020	0.988	0.907
>245 to 250 microns, Phi 2	0.109	0.142	0.135	0.126	0.118
>250 to 300 microns, Phi 1.75	0.688	0.965	0.924	0.804	0.770
>300 to 320 microns	0.128	0.218	0.211	0.153	0.156
>320 to 350 microns, Phi 1.5	0.164	0.288	0.278	0.197	0.202
>350 to 360 microns	0.036	0.075	0.072	0.044	0.047
>360 to 400 microns	0.126	0.278	0.266	0.159	0.171
>400 to 420 microns, Phi 1.25	0.029	0.118	0.111	0.056	0.062
>420 to 440 microns	0.027	0.113	0.106	0.053	0.059
>440 to 500 microns, Phi 1	0.063	0.313	0.284	0.124	0.139
>500 to 590 microns, Phi 0.75	0.016	0.439	0.373	0.031	0.035
>590 to 630 microns	0.000	0.201	0.153	0.000	0.000
>630 to 696 microns	0.000	0.318	0.233	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.070	0.047	0.000	0.000
>710 to 773 microns	0.000	0.298	0.202	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.311	0.013	0.000	0.000
>840 to 850 microns	0.000	0.045	0.000	0.000	0.000
>850 to 930 microns	0.000	0.173	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000	0.000	0.000
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	*	*	*	*	*
Totals:	100.015	100.092	100.013	100.009	99.995

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-17 P349468 12-JUL-2006	E-19 P328310 12-JAN-2006	E-19 P349474 12-JUL-2006	E-20 P328316 12-JAN-2006	E-20 P349480 12-JUL-2006
<0.500 microns, Phi 11	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
>1 to 1.5 microns, Phi 9.5	0.267	0.442	0.431	0.265	0.396
>1.5 to 2 microns, Phi 9	0.460	0.555	0.549	0.479	0.494
>2.0 to 2.4 microns	0.423	0.496	0.506	0.449	0.448
>2.4 to 2.9 microns, Phi 8.5	0.556	0.631	0.665	0.590	0.584
>2.9 to 3.4 microns	0.573	0.631	0.684	0.605	0.596
>3.4 to 3.9 microns, Phi 8	0.617	0.659	0.735	0.650	0.635
>3.9 to 4 microns	0.125	0.133	0.150	0.132	0.129
>4.0 to 4.3 microns	0.360	0.383	0.431	0.379	0.371
>4.3 to 4.5 microns	0.231	0.245	0.277	0.243	0.238
>4.5 to 5 microns	0.606	0.637	0.728	0.639	0.624
>5 to 5.5 microns	0.589	0.623	0.711	0.623	0.608
>5.5 to 5.7 microns	0.226	0.239	0.273	0.239	0.233
>5.7 to 5.9 microns, Phi 7.5	0.221	0.234	0.268	0.234	0.229
>5.9 to 7.8 microns, Phi 7	2.000	2.150	2.460	2.140	2.090
>7.8 to 8 microns	0.196	0.219	0.246	0.212	0.208
>8 to 8.5 microns	0.469	0.526	0.589	0.508	0.498
>8.5 to 8.9 microns	0.359	0.405	0.452	0.389	0.382
>8.9 to 9.1 microns	0.179	0.208	0.228	0.196	0.193
>9.1 to 9.5 microns	0.346	0.402	0.442	0.379	0.373
>9.5 to 9.8 microns	0.250	0.290	0.320	0.274	0.270
>9.8 to 10.1 microns	0.243	0.282	0.310	0.266	0.262
>10.1 to 10.6 microns	0.406	0.488	0.527	0.450	0.444
>10.6 to 11.1 microns	0.387	0.466	0.503	0.429	0.424
>11.1 to 11.3 microns	0.150	0.180	0.195	0.166	0.164
>11.3 to 11.7 microns, Phi 6.5	0.292	0.357	0.382	0.325	0.322
>11.7 to 14 microns	1.520	1.950	2.030	1.710	1.700
>14 to 14.8 microns	0.478	0.633	0.648	0.544	0.541
>14.8 to 15.6 microns	0.462	0.629	0.634	0.529	0.528
>15.6 to 16 microns	0.226	0.315	0.314	0.261	0.261
>16 to 20 microns	2.040	2.940	2.860	2.360	2.370
>20 to 23 microns, Phi 5.5	1.350	2.100	1.960	1.590	1.610
>23 to 27 microns	1.710	2.810	2.540	2.030	2.060
>27 to 31 microns, Phi 5	1.710	2.880	2.580	2.020	2.060
>31 to 32 microns	0.448	0.754	0.680	0.523	0.538
>32 to 35.6 microns	1.650	2.730	2.500	1.890	1.970
>35.6 to 37 microns, Phi 4.75	0.688	1.110	1.040	0.772	0.814
>37 to 39.6 microns	1.270	2.020	1.900	1.410	1.490
>39.6 to 43.6 microns	2.280	3.450	3.350	2.460	2.630
>43.6 to 44 microns, Phi 4.5	0.216	0.327	0.318	0.233	0.250
>44 to 45 microns	0.542	0.817	0.795	0.584	0.626
>45 to 46.4 microns	0.969	1.370	1.360	1.020	1.090
>46.4 to 53 microns, Phi 4.25	4.500	6.200	6.160	4.720	5.010
>53 to 62.5 microns, Phi 4	7.470	9.180	9.220	7.750	8.020
>62.5 to 64 microns	1.240	1.410	1.430	1.280	1.300
>64 to 71.7 microns	6.520	6.770	6.950	6.590	6.700
>71.7 to 74 microns	1.960	1.880	1.960	1.950	1.980
>74 to 79.6 microns	4.710	4.210	4.430	4.610	4.670
>79.6 to 87.6 microns	6.550	5.240	5.630	6.250	6.350

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-17 P349468 12-JUL-2006	E-19 P328310 12-JAN-2006	E-19 P349474 12-JUL-2006	E-20 P328316 12-JAN-2006	E-20 P349480 12-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.312	0.249	0.268	0.297	0.302
>88 to 90 microns	1.550	1.110	1.210	1.440	1.460
>90 to 105 microns, Phi 3.25	10.500	6.920	7.630	9.520	9.680
>105 to 125 microns, Phi 3	10.300	5.990	6.600	9.030	9.090
>125 to 149 microns, Phi 2.75	7.600	4.270	4.530	6.600	6.470
>149 to 160 microns	2.070	1.230	1.220	1.830	1.730
>160 to 177 microns, Phi 2.5	2.370	1.480	1.400	2.130	1.960
>177 to 197 microns	1.580	1.140	0.964	1.490	1.300
>197 to 210 microns, Phi 2.25	0.631	0.524	0.399	0.626	0.517
>210 to 217 microns	0.274	0.245	0.177	0.279	0.224
>217 to 245 microns	0.765	0.767	0.509	0.812	0.627
>245 to 250 microns, Phi 2	0.094	0.109	0.065	0.105	0.077
>250 to 300 microns, Phi 1.75	0.575	0.813	0.419	0.693	0.474
>300 to 320 microns	0.102	0.217	0.082	0.142	0.085
>320 to 350 microns, Phi 1.5	0.130	0.292	0.106	0.184	0.109
>350 to 360 microns	0.028	0.082	0.025	0.043	0.024
>360 to 400 microns	0.091	0.303	0.079	0.156	0.078
>400 to 420 microns, Phi 1.25	0.000	0.132	0.000	0.057	0.000
>420 to 440 microns	0.000	0.126	0.000	0.054	0.000
>440 to 500 microns, Phi 1	0.000	0.337	0.000	0.126	0.000
>500 to 590 microns, Phi 0.75	0.000	0.089	0.000	0.032	0.000
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	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
>710 to 773 microns	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
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	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
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	*	*	*	*	*
Totals:	100.012	100.031	100.034	99.993	99.990

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-21 P328322 12-JAN-2006	E-21 P349486 12-JUL-2006	E-23 P328328 12-JAN-2006	E-23 P349492 12-JUL-2006	E-25 P328334 12-JAN-2006
<0.500 microns, Phi 11	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
>1 to 1.5 microns, Phi 9.5	0.253	0.268	0.423	0.430	0.452
>1.5 to 2 microns, Phi 9	0.477	0.476	0.556	0.537	0.584
>2.0 to 2.4 microns	0.462	0.446	0.514	0.488	0.534
>2.4 to 2.9 microns, Phi 8.5	0.621	0.592	0.670	0.634	0.693
>2.9 to 3.4 microns	0.651	0.614	0.684	0.646	0.704
>3.4 to 3.9 microns, Phi 8	0.713	0.666	0.730	0.688	0.749
>3.9 to 4 microns	0.147	0.136	0.149	0.140	0.152
>4.0 to 4.3 microns	0.421	0.390	0.428	0.401	0.438
>4.3 to 4.5 microns	0.271	0.250	0.275	0.258	0.281
>4.5 to 5 microns	0.720	0.660	0.721	0.674	0.735
>5 to 5.5 microns	0.705	0.642	0.706	0.657	0.718
>5.5 to 5.7 microns	0.271	0.246	0.271	0.252	0.276
>5.7 to 5.9 microns, Phi 7.5	0.266	0.242	0.266	0.247	0.270
>5.9 to 7.8 microns, Phi 7	2.450	2.200	2.440	2.250	2.470
>7.8 to 8 microns	0.242	0.215	0.245	0.224	0.245
>8 to 8.5 microns	0.580	0.516	0.586	0.536	0.587
>8.5 to 8.9 microns	0.444	0.394	0.450	0.411	0.450
>8.9 to 9.1 microns	0.222	0.197	0.227	0.207	0.226
>9.1 to 9.5 microns	0.429	0.380	0.440	0.401	0.438
>9.5 to 9.8 microns	0.310	0.275	0.318	0.290	0.317
>9.8 to 10.1 microns	0.301	0.267	0.309	0.281	0.307
>10.1 to 10.6 microns	0.505	0.446	0.525	0.476	0.520
>10.6 to 11.1 microns	0.481	0.426	0.501	0.455	0.496
>11.1 to 11.3 microns	0.187	0.165	0.194	0.176	0.192
>11.3 to 11.7 microns, Phi 6.5	0.362	0.321	0.380	0.345	0.376
>11.7 to 14 microns	1.870	1.660	2.010	1.820	1.970
>14 to 14.8 microns	0.583	0.519	0.638	0.580	0.623
>14.8 to 15.6 microns	0.558	0.499	0.621	0.566	0.604
>15.6 to 16 microns	0.271	0.243	0.306	0.279	0.296
>16 to 20 microns	2.400	2.170	2.770	2.540	2.670
>20 to 23 microns, Phi 5.5	1.530	1.410	1.860	1.730	1.770
>23 to 27 microns	1.840	1.730	2.350	2.210	2.220
>27 to 31 microns, Phi 5	1.760	1.680	2.330	2.220	2.180
>31 to 32 microns	0.443	0.430	0.602	0.580	0.560
>32 to 35.6 microns	1.600	1.560	2.190	2.120	2.030
>35.6 to 37 microns, Phi 4.75	0.647	0.642	0.898	0.876	0.827
>37 to 39.6 microns	1.180	1.180	1.640	1.600	1.510
>39.6 to 43.6 microns	2.050	2.090	2.850	2.810	2.600
>43.6 to 44 microns, Phi 4.5	0.195	0.198	0.271	0.267	0.247
>44 to 45 microns	0.489	0.497	0.677	0.668	0.617
>45 to 46.4 microns	0.855	0.881	1.150	1.150	1.050
>46.4 to 53 microns, Phi 4.25	3.970	4.100	5.240	5.260	4.770
>53 to 62.5 microns, Phi 4	6.710	6.920	8.060	8.210	7.410
>62.5 to 64 microns	1.130	1.160	1.280	1.310	1.190
>64 to 71.7 microns	6.070	6.240	6.410	6.650	6.030
>71.7 to 74 microns	1.850	1.900	1.850	1.940	1.760
>74 to 79.6 microns	4.490	4.650	4.280	4.530	4.140
>79.6 to 87.6 microns	6.340	6.610	5.640	6.040	5.570

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-21 P328322 12-JAN-2006	E-21 P349486 12-JUL-2006	E-23 P328328 12-JAN-2006	E-23 P349492 12-JUL-2006	E-25 P328334 12-JAN-2006
>87.6 to 88 microns, Phi 3.5	0.301	0.314	0.268	0.288	0.265
>88 to 90 microns	1.510	1.600	1.260	1.370	1.280
>90 to 105 microns, Phi 3.25	10.300	10.900	8.190	8.980	8.540
>105 to 125 microns, Phi 3	10.100	10.700	7.560	8.320	8.330
>125 to 149 microns, Phi 2.75	7.380	7.760	5.520	5.950	6.400
>149 to 160 microns	2.020	2.060	1.560	1.620	1.860
>160 to 177 microns, Phi 2.5	2.320	2.320	1.840	1.860	2.210
>177 to 197 microns	1.580	1.500	1.340	1.270	1.610
>197 to 210 microns, Phi 2.25	0.649	0.587	0.580	0.516	0.688
>210 to 217 microns	0.286	0.252	0.263	0.227	0.309
>217 to 245 microns	0.819	0.696	0.784	0.642	0.903
>245 to 250 microns, Phi 2	0.104	0.084	0.105	0.081	0.118
>250 to 300 microns, Phi 1.75	0.670	0.509	0.721	0.505	0.772
>300 to 320 microns	0.132	0.089	0.164	0.094	0.155
>320 to 350 microns, Phi 1.5	0.170	0.113	0.216	0.120	0.200
>350 to 360 microns	0.039	0.025	0.056	0.027	0.046
>360 to 400 microns	0.141	0.080	0.205	0.086	0.167
>400 to 420 microns, Phi 1.25	0.051	0.000	0.085	0.000	0.060
>420 to 440 microns	0.049	0.000	0.081	0.000	0.057
>440 to 500 microns, Phi 1	0.116	0.000	0.217	0.000	0.135
>500 to 590 microns, Phi 0.75	0.029	0.000	0.057	0.000	0.034
>590 to 630 microns	0.000	0.000	0.000	0.000	0.000
>630 to 696 microns	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
>710 to 773 microns	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
>840 to 850 microns	0.000	0.000	0.000	0.000	0.000
>850 to 930 microns	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
1000 to 1100 microns	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
>1190 to 1300 microns	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
>1410 to 1680 microns, Phi -0.75	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
>2000 microns*	*	*	*	*	*
Totals:	100.088	99.988	100.003	100.016	99.993

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-25 P349498 12-JUL-2006	E-26 P328891 17-JAN-2006	E-26 P349259 11-JUL-2006
<0.500 microns, Phi 11	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.426	0.423	0.449
>1.5 to 2 microns, Phi 9	0.526	0.581	0.578
>2.0 to 2.4 microns	0.476	0.548	0.534
>2.4 to 2.9 microns, Phi 8.5	0.620	0.721	0.701
>2.9 to 3.4 microns	0.633	0.741	0.720
>3.4 to 3.9 microns, Phi 8	0.675	0.797	0.773
>3.9 to 4 microns	0.137	0.163	0.158
>4.0 to 4.3 microns	0.394	0.467	0.453
>4.3 to 4.5 microns	0.253	0.300	0.291
>4.5 to 5 microns	0.663	0.789	0.764
>5 to 5.5 microns	0.647	0.773	0.747
>5.5 to 5.7 microns	0.248	0.297	0.287
>5.7 to 5.9 microns, Phi 7.5	0.244	0.292	0.281
>5.9 to 7.8 microns, Phi 7	2.220	2.680	2.570
>7.8 to 8 microns	0.221	0.269	0.256
>8 to 8.5 microns	0.529	0.644	0.613
>8.5 to 8.9 microns	0.406	0.494	0.470
>8.9 to 9.1 microns	0.204	0.250	0.237
>9.1 to 9.5 microns	0.396	0.484	0.458
>9.5 to 9.8 microns	0.286	0.350	0.331
>9.8 to 10.1 microns	0.277	0.339	0.321
>10.1 to 10.6 microns	0.470	0.578	0.544
>10.6 to 11.1 microns	0.448	0.552	0.519
>11.1 to 11.3 microns	0.174	0.214	0.201
>11.3 to 11.7 microns, Phi 6.5	0.340	0.419	0.393
>11.7 to 14 microns	1.790	2.210	2.060
>14 to 14.8 microns	0.567	0.704	0.653
>14.8 to 15.6 microns	0.550	0.685	0.634
>15.6 to 16 microns	0.271	0.337	0.311
>16 to 20 microns	2.450	3.060	2.810
>20 to 23 microns, Phi 5.5	1.640	2.050	1.870
>23 to 27 microns	2.070	2.600	2.360
>27 to 31 microns, Phi 5	2.040	2.550	2.320
>31 to 32 microns	0.526	0.652	0.598
>32 to 35.6 microns	1.910	2.340	2.170
>35.6 to 37 microns, Phi 4.75	0.784	0.944	0.884
>37 to 39.6 microns	1.430	1.720	1.610
>39.6 to 43.6 microns	2.490	2.910	2.780
>43.6 to 44 microns, Phi 4.5	0.237	0.276	0.264
>44 to 45 microns	0.592	0.689	0.660
>45 to 46.4 microns	1.020	1.150	1.120
>46.4 to 53 microns, Phi 4.25	4.660	5.250	5.100
>53 to 62.5 microns, Phi 4	7.370	8.040	7.880
>62.5 to 64 microns	1.190	1.270	1.260
>64 to 71.7 microns	6.140	6.370	6.370
>71.7 to 74 microns	1.810	1.840	1.860
>74 to 79.6 microns	4.310	4.240	4.350
>79.6 to 87.6 microns	5.900	5.560	5.830

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POINT LOMA WASTEWATER TREATMENT PLANT
SEDIMENT SEMI-ANNUAL
Grain Size
(all values are in percent distribution)
From 01-JAN-2006

Analyte	E-25 P349498 12-JUL-2006	E-26 P328891 17-JAN-2006	E-26 P349259 11-JUL-2006
>87.6 to 88 microns, Phi 3.5	0.280	0.264	0.277
>88 to 90 microns	1.380	1.230	1.320
>90 to 105 microns, Phi 3.25	9.330	7.950	8.700
>105 to 125 microns, Phi 3	9.240	7.190	8.060
>125 to 149 microns, Phi 2.75	7.060	5.100	5.710
>149 to 160 microns	2.010	1.400	1.530
>160 to 177 microns, Phi 2.5	2.350	1.620	1.750
>177 to 197 microns	1.640	1.130	1.170
>197 to 210 microns, Phi 2.25	0.670	0.476	0.473
>210 to 217 microns	0.295	0.212	0.207
>217 to 245 microns	0.833	0.618	0.583
>245 to 250 microns, Phi 2	0.104	0.080	0.073
>250 to 300 microns, Phi 1.75	0.644	0.526	0.455
>300 to 320 microns	0.115	0.108	0.084
>320 to 350 microns, Phi 1.5	0.147	0.139	0.108
>350 to 360 microns	0.032	0.033	0.024
>360 to 400 microns	0.115	0.119	0.079
>400 to 420 microns, Phi 1.25	0.040	0.044	0.000
>420 to 440 microns	0.038	0.042	0.000
>440 to 500 microns, Phi 1	0.021	0.100	0.000
>500 to 590 microns, Phi 0.75	0.000	0.026	0.000
>590 to 630 microns	0.000	0.000	0.000
>630 to 696 microns	0.000	0.000	0.000
>696 to 710 microns, Phi 0.5	0.000	0.000	0.000
>710 to 773 microns	0.000	0.000	0.000
>773 to 840 microns, Phi 0.25	0.000	0.000	0.000
>840 to 850 microns	0.000	0.000	0.000
>850 to 930 microns	0.000	0.000	0.000
>930 to 1000 microns, Phi 0	0.000	0.000	0.000
1000 to 1100 microns	0.000	0.000	0.000
>1100 to 1190 microns, Phi -0.25	0.000	0.000	0.000
>1190 to 1300 microns	0.000	0.000	0.000
>1300 to 1410 microns, Phi -0.5	0.000	0.000	0.000
>1410 to 1680 microns, Phi -0.75	0.000	0.000	0.000
>1680 to 2000 microns, Phi -1	0.000	0.000	0.000
>2000 microns*	*	*	*
Totals:	100.004	100.019	100.006

*=A value in this field reflects a percentage of 30 grams remaining on a 2000 micron sieve. This value must be subtracted from the total percentage.

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

From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	A-2 Avg	A-5 Avg	A-8 Avg	A-9 Avg	A-15 Avg	A-16 Avg	B-3 Avg
Total Nitrogen	.005	WT%	0.068	0.067	0.063	0.071	0.070	0.065	0.066
Total Organic Carbon	.01	WT%	0.736	0.725	0.703	0.760	0.768	0.765	0.688

Analyte	MDL	Units	B-5 Avg	B-8 Avg	B-9 Avg	B-10 Avg	B-11 Avg	B-12 Avg	E-1 Avg
Total Nitrogen	.005	WT%	0.077	0.086	0.060	0.053	0.102	0.063	0.059
Total Organic Carbon	.01	WT%	0.925	0.994	0.980	1.580	2.870	3.600	0.659

Analyte	MDL	Units	E-2 Avg	E-3 Avg	E-5 Avg	E-7 Avg	E-8 Avg	E-9 Avg	E-11 Avg
Total Nitrogen	.005	WT%	0.053	0.040	0.049	0.061	0.050	0.061	0.049
Total Organic Carbon	.01	WT%	0.777	0.515	0.627	0.662	0.687	1.510	0.613

Analyte	MDL	Units	E-14 Avg	E-15 Avg	E-17 Avg	E-19 Avg	E-20 Avg	E-21 Avg	E-23 Avg
Total Nitrogen	.005	WT%	0.048	0.048	0.049	0.063	0.051	0.050	0.054
Total Organic Carbon	.01	WT%	0.652	0.835	0.655	0.740	0.612	0.647	0.647

Analyte	MDL	Units	E-25 Avg	E-26 Avg
Total Nitrogen	.005	WT%	0.055	0.060
Total Organic Carbon	.01	WT%	0.766	0.768

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

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

From: 01-JAN-2006 to: 31-DEC-2006

Source:			A-2	A-5	A-8	A-9	A-15	A-16	B-3
Date:			2006	2006	2006	2006	2006	2006	2006
Analyte:	MDL	Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2	MG/KG	9770	11400	11700	11700	10400	10800	8220
Antimony	.13	MG/KG	ND	0.22	ND	ND	ND	ND	ND
Arsenic	.33	MG/KG	2.90	3.02	3.07	3.52	2.97	2.63	2.65
Barium	.00182	MG/KG	52.2	59.4	57.9	62.2	63.4	62.1	46.5
Beryllium	.0012	MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.0104	MG/KG	0.13	0.20	0.15	0.19	0.18	0.18	0.13
Chromium	.016	MG/KG	17.1	20.3	19.0	20.7	19.3	20.6	16.2
Copper	.028	MG/KG	8.84	8.25	10.50	8.63	7.45	7.95	4.58
Iron	.76	MG/KG	12400	14200	12000	14900	14100	13800	11500
Lead	.142	MG/KG	9.39	11.30	10.70	11.10	10.10	10.40	8.54
Manganese	.0037	MG/KG	NA	125.0	NA	135.0	129.0	128.0	94.3
Mercury	.003	MG/KG	0.039	0.049	0.033	0.051	0.045	0.065	0.027
Nickel	.0364	MG/KG	7.54	8.96	8.45	9.12	8.59	8.64	6.71
Selenium	.24	MG/KG	ND	ND	ND	ND	ND	ND	ND
Silver	.013	MG/KG	0.18	0.49	0.23	0.09	ND	ND	ND
Thallium	.221	MG/KG	ND	ND	ND	ND	0.62	ND	ND
Tin	.059	MG/KG	NA	1.56	NA	1.51	0.92	1.14	1.00
Zinc	.0521	MG/KG	27.6	27.7	30.3	28.2	27.0	26.8	19.9

Source:			B-5	B-8	B-9	B-10	B-11	B-12	E-1
Date:			2006	2006	2006	2006	2006	2006	2006
Analyte:	MDL	Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2	MG/KG	10600	11700	9030	7440	9820	7110	9690
Antimony	.13	MG/KG	0.20	0.26	0.50	0.24	0.28	0.69	0.34
Arsenic	.33	MG/KG	3.81	4.32	3.54	2.51	4.21	5.04	3.09
Barium	.00182	MG/KG	55.8	53.6	54.3	31.7	50.2	27.1	52.0
Beryllium	.0012	MG/KG	ND	0.068	0.114	0.052	0.103	0.113	0.081
Cadmium	.0104	MG/KG	0.10	0.08	0.12	0.10	0.11	0.16	0.08
Chromium	.016	MG/KG	23.8	22.5	22.6	17.5	23.5	25.5	16.5
Copper	.028	MG/KG	4.50	12.90	8.01	7.37	8.40	4.04	9.87
Iron	.76	MG/KG	19000	17100	19400	13800	20400	22900	13700
Lead	.142	MG/KG	9.81	11.50	8.38	6.91	10.30	9.59	7.76
Manganese	.0037	MG/KG	119.0	129.0	107.0	73.4	120.0	69.9	101.0
Mercury	.003	MG/KG	0.029	0.047	0.024	0.022	0.028	0.016	0.054
Nickel	.0364	MG/KG	7.51	10.60	7.98	6.02	9.55	6.89	7.41
Selenium	.24	MG/KG	ND	0.29	ND	ND	ND	<0.24	<0.24
Silver	.013	MG/KG	ND	0.67	0.28	0.21	0.32	ND	ND
Thallium	.221	MG/KG	ND	ND	ND	<0.22	ND	ND	ND
Tin	.059	MG/KG	1.70	0.98	0.71	0.45	0.63	0.78	1.34
Zinc	.0521	MG/KG	27.1	25.8	23.6	19.0	24.4	20.1	26.9

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

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

From: 01-JAN-2006 to: 31-DEC-2006

Source:			E-2	E-3	E-5	E-7	E-8	E-9	E-11
Date:			2006	2006	2006	2006	2006	2006	2006
Analyte:	MDL	Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2	MG/KG	10700	9380	7030	8890	7000	7910	6720
Antimony	.13	MG/KG	0.36	0.36	0.20	0.32	0.15	0.52	0.35
Arsenic	.33	MG/KG	2.23	2.24	2.58	3.22	2.66	3.63	2.97
Barium	.00182	MG/KG	53.8	68.8	31.0	42.4	29.2	32.5	28.5
Beryllium	.0012	MG/KG	0.079	0.065	0.039	0.048	0.041	0.055	0.035
Cadmium	.0104	MG/KG	0.07	0.08	0.05	0.10	0.07	0.13	0.11
Chromium	.016	MG/KG	17.6	15.2	13.5	16.7	14.0	18.1	13.2
Copper	.028	MG/KG	14.50	13.20	6.54	6.66	5.00	9.56	4.74
Iron	.76	MG/KG	14900	13700	10500	12500	10400	13600	9790
Lead	.142	MG/KG	6.59	9.41	6.59	8.69	6.15	8.72	6.33
Manganese	.0037	MG/KG	108.0	106.0	72.8	94.1	72.5	79.8	69.3
Mercury	.003	MG/KG	0.041	0.051	0.028	0.027	0.024	0.028	0.026
Nickel	.0364	MG/KG	7.42	5.84	5.87	7.96	6.19	7.05	5.99
Selenium	.24	MG/KG	ND	ND	ND	<0.24	ND	ND	ND
Silver	.013	MG/KG	ND	ND	0.32	0.45	0.29	0.33	0.22
Thallium	.221	MG/KG	ND	ND	0.36	0.26	<0.22	ND	<0.22
Tin	.059	MG/KG	1.19	1.48	0.73	0.89	1.01	0.81	0.77
Zinc	.0521	MG/KG	27.3	27.5	14.2	17.6	14.4	24.6	15.0

Source:			E-14	E-15	E-17	E-19	E-20	E-21	E-23
Date:			2006	2006	2006	2006	2006	2006	2006
Analyte:	MDL	Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	1.2	MG/KG	6990	7050	7610	9990	8110	6950	8420
Antimony	.13	MG/KG	0.35	0.44	0.31	0.14	0.20	0.21	0.32
Arsenic	.33	MG/KG	3.79	2.32	3.81	3.14	2.37	2.78	3.11
Barium	.00182	MG/KG	32.4	27.9	32.9	48.1	35.0	27.9	37.2
Beryllium	.0012	MG/KG	0.035	0.045	0.045	0.054	0.043	0.041	0.046
Cadmium	.0104	MG/KG	0.16	0.12	0.12	0.10	0.12	0.12	0.11
Chromium	.016	MG/KG	14.5	14.6	14.9	18.7	15.5	14.3	16.1
Copper	.028	MG/KG	6.95	5.22	4.87	8.47	6.40	4.86	6.40
Iron	.76	MG/KG	11100	10400	11500	13900	11400	10600	12400
Lead	.142	MG/KG	6.17	6.85	7.07	9.71	7.43	6.95	7.77
Manganese	.0037	MG/KG	92.8	72.4	82.9	110.0	88.1	75.4	93.2
Mercury	.003	MG/KG	0.019	0.025	0.022	0.046	0.025	0.022	0.023
Nickel	.0364	MG/KG	8.06	6.46	6.96	8.66	7.00	6.58	7.61
Selenium	.24	MG/KG	<0.24	<0.24	<0.24	ND	ND	<0.24	ND
Silver	.013	MG/KG	0.20	0.30	0.36	0.51	0.33	0.22	0.40
Thallium	.221	MG/KG	<0.22	<0.22	<0.22	<0.22	<0.22	ND	ND
Tin	.059	MG/KG	0.56	0.83	0.93	0.89	0.71	0.77	0.65
Zinc	.0521	MG/KG	16.7	15.2	15.3	19.9	17.0	13.7	16.5

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

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

From: 01-JAN-2006 to: 31-DEC-2006

Source:			E-25	E-26
Date:			2006	2006
Analyte:	MDL	Units	Average	Average
Aluminum	1.2	MG/KG	8180	8370
Antimony	.13	MG/KG	0.26	0.21
Arsenic	.33	MG/KG	2.89	2.46
Barium	.00182	MG/KG	35.1	38.3
Beryllium	.0012	MG/KG	0.047	0.053
Cadmium	.0104	MG/KG	0.10	0.09
Chromium	.016	MG/KG	15.9	16.3
Copper	.028	MG/KG	5.91	6.81
Iron	.76	MG/KG	12100	12400
Lead	.142	MG/KG	7.76	7.95
Manganese	.0037	MG/KG	89.7	95.9
Mercury	.003	MG/KG	0.027	0.028
Nickel	.0364	MG/KG	7.30	7.64
Selenium	.24	MG/KG	<0.24	ND
Silver	.013	MG/KG	0.30	0.46
Thallium	.221	MG/KG	ND	ND
Tin	.059	MG/KG	0.90	0.58
Zinc	.0521	MG/KG	15.5	18.9

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

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

From 01-JAN-2006 To 31-DEC-2006

Analyte	MDL	Units	A-2 2006 Average	A-5 2006 Average	A-8 2006 Average	A-9 2006 Average	A-15 2006 Average	A-16 2006 Average	B-3 2006 Average	B-5 2006 Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400	NG/KG	ND	ND	ND	ND	610	ND	ND	410
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700	NG/KG	0	0	0	0	610	0	0	410
Chlordane + related cmpds.	700	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700	NG/KG	0	0	0	0	610	0	0	410

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-2006 To 31-DEC-2006

Analyte	MDL	Units	B-8 2006 Average	B-9 2006 Average	B-10 2006 Average	B-11 2006 Average	B-12 2006 Average	E-1 2006 Average	E-2 2006 Average	E-3 2006 Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400	NG/KG	ND	ND	ND	<400	<400	613	<400	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	31500	ND	ND	ND	ND
o,p-DDD	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700	NG/KG	ND	ND	ND	ND	1000	ND	ND	ND
Alpha Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700	NG/KG	0	0	0	31500	0	613	0	0
Chlordane + related cmpds.	700	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700	NG/KG	0	0	0	31500	1000	613	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-2006 To 31-DEC-2006

Analyte	MDL	Units	E-5 2006 Average	E-7 2006 Average	E-8 2006 Average	E-9 2006 Average	E-11 2006 Average	E-14 2006 Average	E-15 2006 Average	E-17 2006 Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	400	NG/KG	<400	<400	<400	ND	ND	ND	ND	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700	NG/KG	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	400	NG/KG	0	0	0	0	0	0	0	0
DDT and derivatives	700	NG/KG	0	0	0	0	0	0	0	0
Chlordane + related cmpds.	700	NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700	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-2006 To 31-DEC-2006

Analyte	MDL	Units	E-19 2006 Average	E-20 2006 Average	E-21 2006 Average	E-23 2006 Average	E-25 2006 Average	E-26 2006 Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	400	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	400	NG/KG	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	400	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDD	700	NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDE	400	NG/KG	ND	ND	ND	ND	<400	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDD	400	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDE	700	NG/KG	ND	ND	ND	ND	ND	ND
o,p-DDT	700	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor	700	NG/KG	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	700	NG/KG	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	700	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA	NA
Oxychlordane	700	NG/KG	ND	ND	ND	ND	ND	ND
Trans Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND
Cis Nonachlor	700	NG/KG	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND
Beta Endosulfan	700	NG/KG	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	700	NG/KG	ND	ND	ND	ND	ND	ND
Endrin	700	NG/KG	ND	ND	ND	ND	ND	ND
Endrin aldehyde	700	NG/KG	ND	ND	ND	ND	ND	ND
Mirex	700	NG/KG	ND	ND	ND	ND	ND	ND
Methoxychlor	700	NG/KG	ND	ND	ND	ND	ND	ND
Aldrin + Dieldrin	700	NG/KG	0	0	0	0	0	0
Hexachlorocyclohexanes	400	NG/KG	0	0	0	0	0	0
DDT and derivatives	700	NG/KG	0	0	0	0	0	0
Chlordane + related cmpds.	700	NG/KG	0	0	0	0	0	0
Chlorinated Hydrocarbons	700	NG/KG	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-2006 To 31-DEC-2006

Analyte	MDL	Units	A-2 2006 Avg	A-5 2006 Avg	A-8 2006 Avg	A-9 2006 Avg	A-15 2006 Avg	A-16 2006 Avg	B-3 2006 Avg	B-5 2006 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	840	ND	ND	ND	ND	E320	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	E290	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	840	0	0	0	0	610	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-2006 To 31-DEC-2006

Analyte	MDL	Units	B-8 2006 Avg	B-9 2006 Avg	B-10 2006 Avg	B-11 2006 Avg	B-12 2006 Avg	E-1 2006 Avg	E-2 2006 Avg	E-3 2006 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	<700
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	<700
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	E260	<700	890
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	<700
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	E750
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	260	0	1640

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-2006 To 31-DEC-2006

Analyte	MDL	Units	E-5 2006 Avg	E-7 2006 Avg	E-8 2006 Avg	E-9 2006 Avg	E-11 2006 Avg	E-14 2006 Avg	E-15 2006 Avg	E-17 2006 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	800	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	1400	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	1400	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	1000	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	<700	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	900	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	<400	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	5500	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-2006 To 31-DEC-2006

Analyte	MDL	Units	E-19 2006 Avg	E-20 2006 Avg	E-21 2006 Avg	E-23 2006 Avg	E-25 2006 Avg	E-26 2006 Avg
PCB 18	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 28	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 52	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 44	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 37	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 74	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 70	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 119	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 87	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 126	1500	NG/KG	ND	ND	ND	ND	ND	ND
PCB 128	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	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 Base/Neutrals - Standard Stations

From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	B-8 2006 Avg	B-9 2006 Avg	B-10 2006 Avg	B-11 2006 Avg	B-12 2006 Avg	E-1 2006 Avg	E-2 2006 Avg	E-3 2006 Avg	E-5 2006 Avg	E-7 2006 Avg	E-8 2006 Avg	E-9 2006 Avg	E-11 2006 Avg
Acenaphthene	11	UG/KG	ND	ND	ND	<11	ND	<11	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	<11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	<14	ND	ND	<14	ND	<14	ND	<14	ND	ND	ND	<14	ND
Benzo[A]anthracene	34	UG/KG	<34	ND	ND	<34	ND	<34	ND	<34	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	<55	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	<63	ND	ND	<63	<63	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl		UG/KG	E20	E19	E20	E21	E18	E22	E16	E18	E17	E16	E20	E20	E18
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	<36	ND	<36	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene		UG/KG	E23	E14	E14	E18	E17	E16	E13	E11	E13	E12	E17	E19	E15
Fluoranthene	24	UG/KG	<24	ND	ND	<24	ND	ND	<24	<24	<24	<24	ND	<24	ND
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	E6	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene		UG/KG	E49	E32	E30	E36	E34	E34	E30	E28	E28	E28	E36	E37	E33
1-methylnaphthalene		UG/KG	E14	E10	E10	E12	E10	E10	E9	E8	E8	E8	E12	E11	E10
Naphthalene	21	UG/KG	39	28	24	46	E25	E29	E22	E23	24	24	35	32	E28
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	<32	<32	<32	<32	<32	<32	<32	<32	ND	ND	<32	<32	ND
Pyrene	35	UG/KG	E18	<35	ND	<35	<35	<35	E19	E45	ND	<35	ND	<35	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	163	103	98	133	104	117	109	133	90	88	120	119	104

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

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

From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	E-14 2006 Avg	E-15 2006 Avg	E-17 2006 Avg	E-19 2006 Avg	E-20 2006 Avg	E-21 2006 Avg	E-23 2006 Avg	E-25 2006 Avg	E-26 2006 Avg
Acenaphthene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	<11	ND
Acenaphthylene	11	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	14	UG/KG	ND	<14	ND	ND	ND	ND	ND	<14	ND
Benzo[A]anthracene	34	UG/KG	ND	ND	ND	<34	<34	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	63	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	57	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	56	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	82	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl		UG/KG	E16	E17	E18	E20	E18	E18	E20	E19	E19
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	32	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene		UG/KG	E17	E15	E14	E18	E14	E16	E16	E16	E18
Fluoranthene	24	UG/KG	ND	ND	<24	E9	ND	ND	E5	<24	E5
Fluorene	18	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	76	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	<41	ND	ND
2-methylnaphthalene		UG/KG	E31	E35	E35	E40	E31	E38	E36	E39	E34
1-methylnaphthalene		UG/KG	E10	E11	E10	E12	E10	E11	E12	E11	E11
Naphthalene	21	UG/KG	E24	27	E24	31	27	32	38	39	30
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	32	UG/KG	E13	<32	E16	<32	E15	<32	<32	<32	<32
Pyrene	35	UG/KG	ND	ND	<35	<35	<35	<35	<35	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	111	105	117	130	115	115	127	124	117

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

B. Fish Tissue Data.

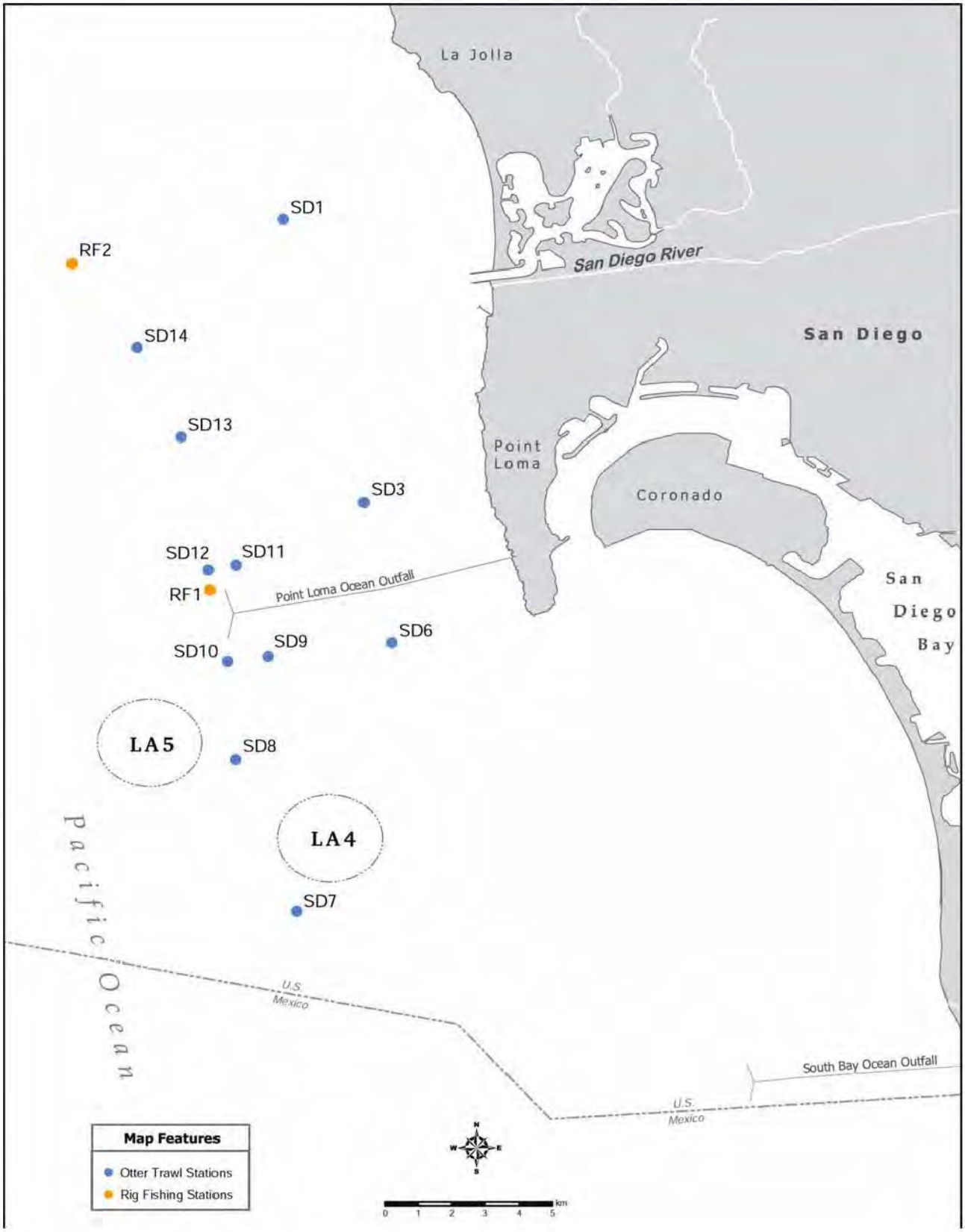
Fish were taken from the stations shown in the below tables during 2006. The fish were dissected, preserved by freezing, and each sample analyzed for PAHs, trace metals, chlorinated pesticides and PCBs. Lipids and total solids were also determined for each liver sample.

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

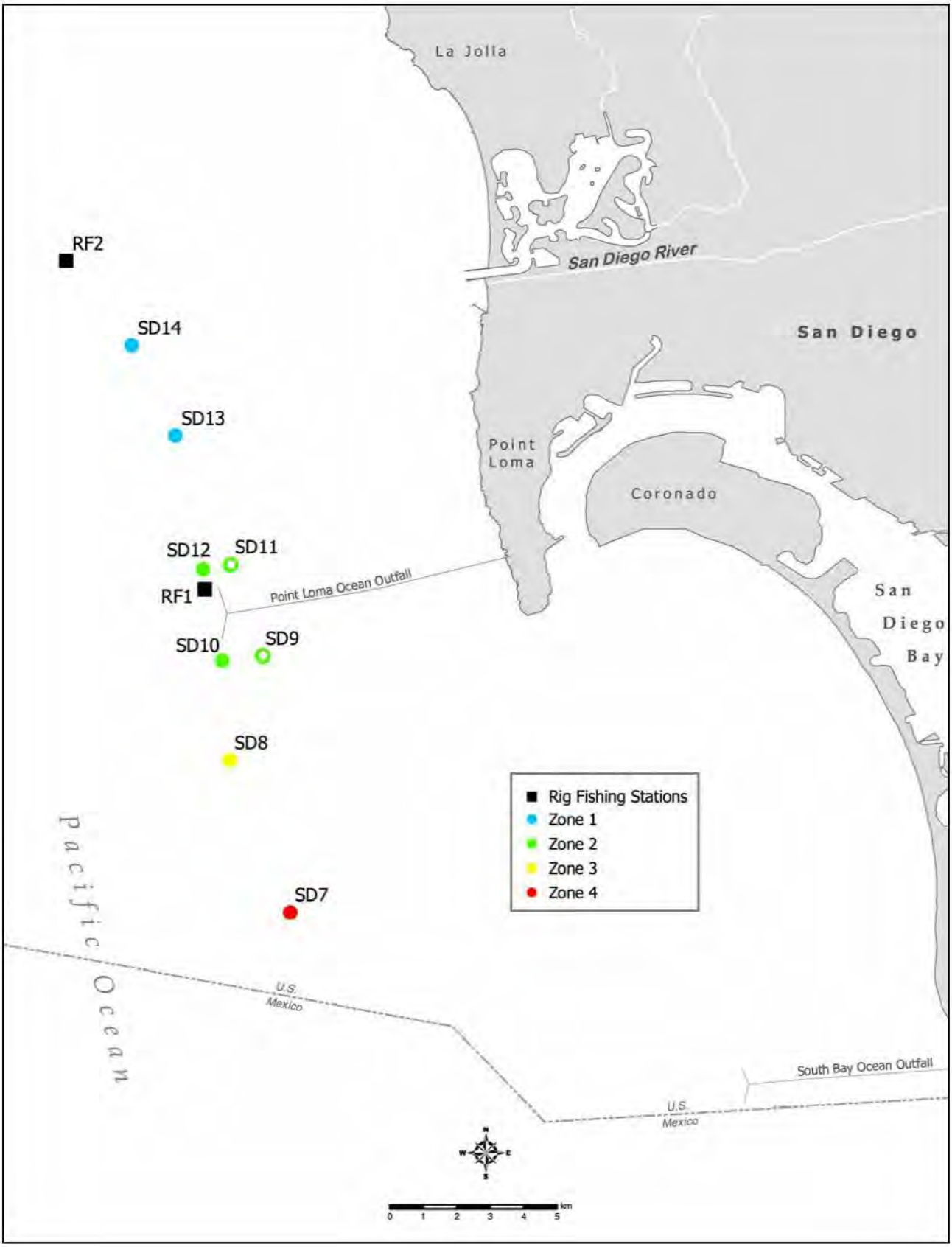
Fish sampling stations, 2006

Station	Matrix
RF-1	FISH_MUSCLE
RF-2	FISH_MUSCLE

Station	Matrix
TFZONE1 (SD-10 & 12)	FISH_LIVER
TFZONE2 (SD-13 & 14)	FISH_LIVER
TFZONE3 (SD-8)	FISH_LIVER
TFZONE4 (SD-7)	FISH_LIVER



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-2006 to: 31-DEC-2006

Source:			TFZONE1	TFZONE2	TFZONE3	TFZONE4
Date:			2006	2006	2006	2006
Analyte:	MDL	Units	Average	Average	Average	Average
Aluminum	.58	MG/KG	3.17	7.49	5.12	3.74
Antimony	.48	MG/KG	ND	ND	1.72	ND
Arsenic	.38	MG/KG	1.33	1.64	2.47	4.99
Beryllium	.003	MG/KG	<0.00	ND	ND	ND
Cadmium	.029	MG/KG	3.99	4.67	5.06	3.06
Chromium	.08	MG/KG	0.32	0.60	0.69	0.40
Copper	.068	MG/KG	3.07	3.51	4.16	7.76
Iron	.096	MG/KG	116	108	113	103
Lead	.3	MG/KG	ND	ND	0.52	0.59
Manganese	.0071	MG/KG	1.51	1.21	0.78	1.04
Mercury	.03	MG/KG	0.067	0.046	0.119	0.088
Nickel	.094	MG/KG	ND	ND	0.19	ND
Selenium	.06	MG/KG	0.92	0.70	0.69	0.99
Silver	.057	MG/KG	0.20	0.10	ND	0.25
Thallium	.85	MG/KG	ND	ND	<0.85	ND
Tin	.24	MG/KG	2.61	2.34	3.54	1.83
Zinc	.049	MG/KG	19.5	21.2	23.5	43.3
Total Solids	.4	WT%	55.1	52.6	58.5	53.6

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

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

From: 01-JAN-2006 to: 31-DEC-2006

Source:			RF-1	RF-2
Date:			2006	2006
Analyte:	MDL	Units	Average	Average
Aluminum	.58	MG/KG	2.84	4.21
Antimony	.48	MG/KG	1.05	0.85
Arsenic	.38	MG/KG	1.28	0.59
Beryllium	.003	MG/KG	ND	ND
Cadmium	.029	MG/KG	0.16	0.15
Chromium	.08	MG/KG	0.44	0.39
Copper	.068	MG/KG	0.43	0.39
Iron	.096	MG/KG	1.93	3.60
Lead	.3	MG/KG	ND	ND
Manganese	.0071	MG/KG	0.11	0.13
Mercury	.03	MG/KG	0.088	0.119
Nickel	.094	MG/KG	0.23	0.15
Selenium	.06	MG/KG	0.457	0.341
Silver	.057	MG/KG	ND	ND
Thallium	.85	MG/KG	ND	ND
Tin	.24	MG/KG	1.71	1.65
Zinc	.049	MG/KG	5.24	4.13
Total Solids	.4	WT%	22.4	21.2

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH LIVER - Chlorinated Pesticides
From 01-JAN-2006 To 31-DEC-2006

FISH LIVER

Analyte	MDL	Units	TFZONE1 2006 Avg	TFZONE2 2006 Avg	TFZONE3 2006 Avg	TFZONE4 2006 Avg
Hexachlorobenzene	13.3	UG/KG	E3.0	E2.6	E3.6	E2.6
BHC, Gamma isomer	167	UG/KG	ND	ND	ND	ND
Heptachlor	33.3	UG/KG	ND	ND	ND	ND
Aldrin		UG/KG	ND	ND	ND	ND
Heptachlor epoxide	100	UG/KG	ND	ND	ND	ND
o,p-DDE		UG/KG	E3.3	E2.4	E3.3	E17.2
Alpha Endosulfan	167	UG/KG	ND	ND	ND	ND
Alpha (cis) Chlordane	13.3	UG/KG	E5.7	E4.4	E5.9	<13.3
Trans Nonachlor		UG/KG	E9.8	E6.5	E9.7	E6.3
p,p-DDE	13.3	UG/KG	367.0	267.0	385.0	487.0
p,-p-DDMU	13.3	UG/KG	<13.3	E9.2	E14.3	E32.3
Dieldrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDD	13.3	UG/KG	ND	ND	ND	<13.3
Endrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDT	13.3	UG/KG	E1.4	ND	<13.3	ND
p,p-DDD		UG/KG	E4.8	E3.4	E5.5	E7.2
p,p-DDT		UG/KG	E5.6	E3.7	E4.9	E3.4
Mirex	13.3	UG/KG	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-2006 to 31-DEC-2006

Analyte	MDL	Units	RF-1 2006 Avg	RF-2 2006 Avg
Hexachlorobenzene	1.33	UG/KG	E0.1	E0.1
BHC, Gamma isomer	3.33	UG/KG	ND	ND
Heptachlor	3.33	UG/KG	ND	ND
Aldrin	6.67	UG/KG	ND	ND
Heptachlor epoxide	6.67	UG/KG	ND	ND
o,p-DDE	1.33	UG/KG	<1.3	<1.3
Alpha Endosulfan	33	UG/KG	ND	ND
Alpha (cis) Chlordane	2	UG/KG	ND	<2.0
Trans Nonachlor	2	UG/KG	<2.0	<2.0
p,p-DDE	1.33	UG/KG	4.8	9.2
p,-p-DDMU	1.33	UG/KG	<1.3	<1.3
Dieldrin	1.33	UG/KG	ND	ND
o,p-DDD	1.33	UG/KG	ND	ND
Endrin	1.33	UG/KG	ND	ND
o,p-DDT	1.33	UG/KG	ND	ND
p,p-DDD	1.33	UG/KG	E0.1	<1.3
p,p-DDT	1.33	UG/KG	ND	<1.3
Mirex	1.33	UG/KG	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 LIVER - Analysis of Poly Chlorinated Biphenyls
From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	TFZONE1 2006 Avg	TFZONE2 2006 Avg	TFZONE3 2006 Avg	TFZONE4 2006 Avg
PCB 18	33.3	UG/KG	ND	ND	<33.3	ND
PCB 28	13.3	UG/KG	E1.2	E0.9	E1.7	<13.3
PCB 49	13.3	UG/KG	E3.1	E1.5	E6.0	E2.8
PCB 37	13.3	UG/KG	ND	ND	ND	ND
PCB 70	13.3	UG/KG	E2.9	E1.5	E4.5	E2.1
PCB 101	13.3	UG/KG	E9.2	E4.5	E16.8	E8.5
PCB 119	13.3	UG/KG	ND	ND	E1.5	<13.3
PCB 87	13.3	UG/KG	E2.4	ND	E4.8	E2.6
PCB 110	13.3	UG/KG	E9.3	E6.0	18.8	E8.0
PCB 151	13.3	UG/KG	E4.7	E3.3	E7.7	E4.4
PCB 77	13.3	UG/KG	ND	ND	ND	ND
PCB 149	13.3	UG/KG	E6.7	E4.0	E11.7	<13.3
PCB 123	13.3	UG/KG	E2.3	E2.0	E4.2	E2.4
PCB 118	13.3	UG/KG	23.0	E15.0	50.7	19.0
PCB 114	13.3	UG/KG	ND	ND	ND	ND
PCB 153/168	13.3	UG/KG	59.7	39.7	90.0	43.3
PCB 105	13.3	UG/KG	E6.3	E4.5	E13.5	E5.0
PCB 138	13.3	UG/KG	37.3	24.3	59.3	24.7
PCB 158	13.3	UG/KG	E2.9	E1.9	E5.1	E2.0
PCB 187	13.3	UG/KG	22.0	E15.3	28.2	14.7
PCB 183	13.3	UG/KG	E6.6	E4.7	E9.1	E4.5
PCB 126	13.3	UG/KG	ND	ND	ND	ND
PCB 128	13.3	UG/KG	E6.5	E4.8	E11.3	E4.3
PCB 167	13.3	UG/KG	ND	ND	ND	ND
PCB 177	13.3	UG/KG	E3.5	E2.6	E5.0	E3.1
PCB 156	13.3	UG/KG	E3.5	E2.6	E5.9	E2.3
PCB 157	13.3	UG/KG	<13.3	E0.7	E1.4	<13.3
PCB 180	13.3	UG/KG	25.3	17.3	31.5	E16.0
PCB 170	13.3	UG/KG	E10.3	E7.1	<13.3	E6.1
PCB 169	13.3	UG/KG	ND	ND	ND	ND
PCB 189	13.3	UG/KG	ND	ND	ND	ND
PCB 194	13.3	UG/KG	E7.0	E5.0	E7.6	E4.1
PCB 206	13.3	UG/KG	E4.0	E2.8	E4.6	E2.3

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH MUSCLE - Analysis of Poly Chlorinated Biphenyls
From 01-JAN-2006 to 31-DEC-2006

Analyte	MDL	Units	RF-1 2006 Avg	RF-2 2006 Avg
PCB 18	1.33	UG/KG	ND	ND
PCB 28	1.33	UG/KG	ND	ND
PCB 49	1.33	UG/KG	<1.3	<1.3
PCB 37	1.33	UG/KG	ND	ND
PCB 70	1.33	UG/KG	ND	ND
PCB 101	1.33	UG/KG	<1.3	<1.3
PCB 119	1.33	UG/KG	ND	ND
PCB 87	1.33	UG/KG	ND	ND
PCB 110	1.33	UG/KG	<1.3	<1.3
PCB 151	1.33	UG/KG	ND	<1.3
PCB 77	1.33	UG/KG	ND	ND
PCB 149	1.33	UG/KG	E0.1	<1.3
PCB 123	1.33	UG/KG	ND	ND
PCB 118	1.33	UG/KG	E0.2	<1.3
PCB 114	1.33	UG/KG	ND	ND
PCB 153/168	1.33	UG/KG	E0.4	<1.3
PCB 105	1.33	UG/KG	<1.3	<1.3
PCB 138		UG/KG	E0.2	E0.5
PCB 158	1.33	UG/KG	ND	<1.3
PCB 187	1.33	UG/KG	E0.1	<1.3
PCB 183	1.33	UG/KG	ND	<1.3
PCB 126	1.33	UG/KG	ND	ND
PCB 128	1.33	UG/KG	ND	<1.3
PCB 167	1.33	UG/KG	ND	ND
PCB 177	1.33	UG/KG	ND	ND
PCB 156	1.33	UG/KG	ND	<1.3
PCB 157	1.33	UG/KG	ND	ND
PCB 180		UG/KG	E0.1	E0.2
PCB 170	1.33	UG/KG	ND	<1.3
PCB 169	1.33	UG/KG	ND	ND
PCB 189	1.33	UG/KG	ND	ND
PCB 194	1.33	UG/KG	ND	ND
PCB 206	1.33	UG/KG	ND	<1.3

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