

- 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 Technique¹⁴:

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. 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 thru SD-21 and RF-3 & RF-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) were removed by the modifications.

¹⁴ 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 2008.

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" are field replicates.

Chemistries for benthic sediments for 22 "Core Stations" are identified in the following table.

Core Stations

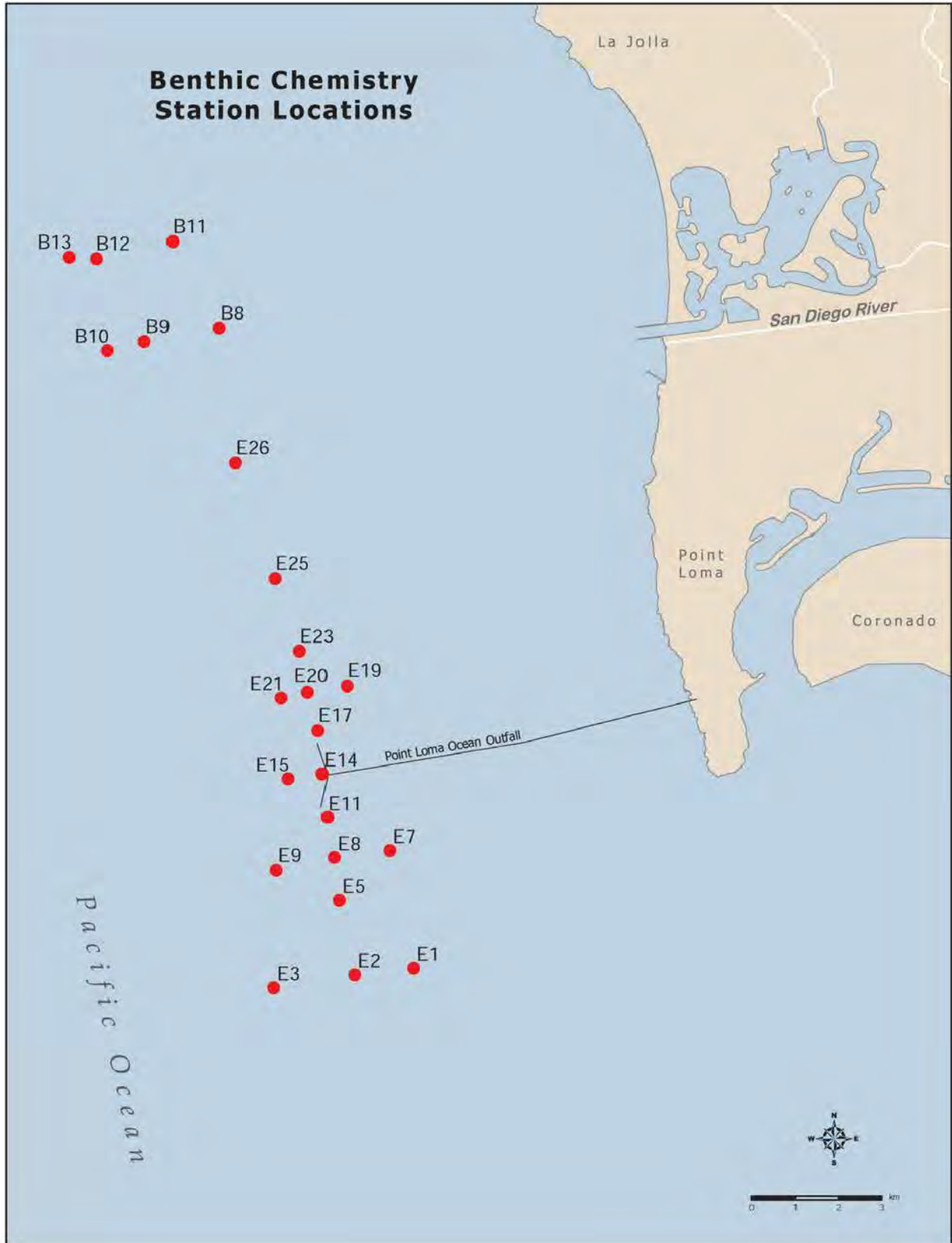
B-8	E-1	E-9	E-20
B-9	E-2	E-11	E-21
B-10	E-3	E-14	E-23
B-11	E-5	E-15	E-25
B-12	E-7	E-17	E-26
	E-8	E-19	

NPDES Permit No. CA 0107409/SDRWQCB Order No. R9-2002-0025 was modified in 2005 to incorporate 8 "Recovery Stations" (listed in following table) in the regular monitoring program as an on-going special study. The suite of analyses is not inclusive, e.g. BOD and PAHs are not a required part of the monitoring program for these stations and may not be included.

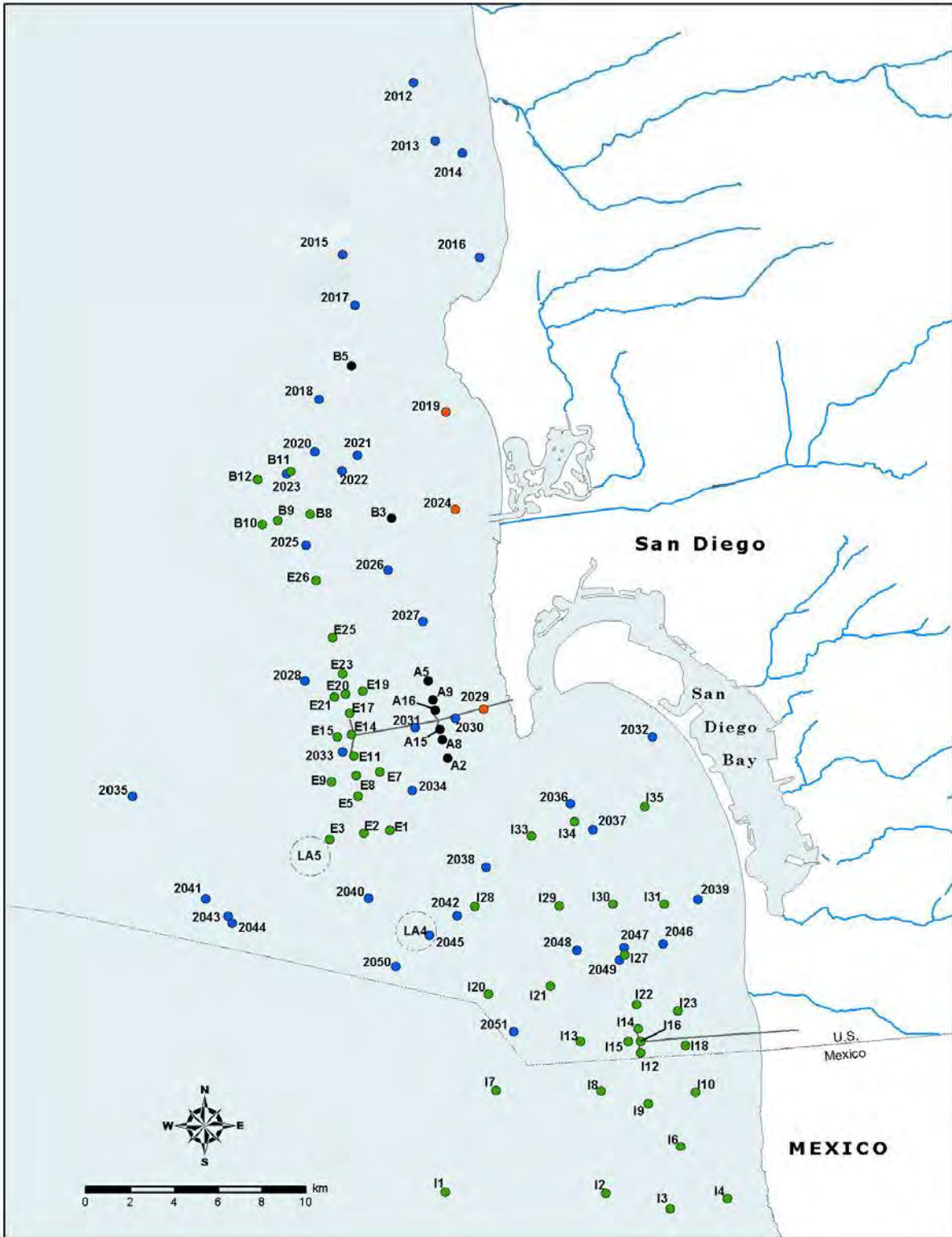
Recovery Stations

A-2	A-15
A-5	A-16
A-8	B-3
A-9	B-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-2008 to 31-DEC-2008

Biochemical Oxygen Demand
(mg/Kg)

STATION	First Quarter	Third Quarter	Average of All Quarters
=====	=====	=====	=====
B-8	287	NS	287
B-9	312	194	253
B-10	314	NS	314
B-11	376	NS	376
B-12	296	240	268
E-1	254	NS	254
E-2	296	166	231
E-3	169	NS	169
E-5	202	94	148
E-7	249	NS	249
E-8	246	129	188
E-9	239	NS	239
E-11	391	118	255
E-14	469	175	322
E-15	467	NS	467
E-17	299	204	252
E-19	214	NS	214
E-20	209	177	193
E-21	227	NS	227
E-23	231	178	205
E-25	208	151	180
E-26	221	181	201

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2008 to 31-DEC-2008

Sulfides, Total
(mg/Kg)

STATION	First Quarter	Third Quarter	Average of All Quarters
=====	=====	=====	=====
A-2	NS	2.2	2.2
A-5	NS	1.3	1.3
A-8	NS	1.2	1.2
A-9	NS	0.5	0.5
A-15	NS	2.8	2.8
A-16	NS	3.0	3.0
B-3	NS	0.4	0.4
B-5	NS	ND	ND
B-8	3.4	NS	3.4
B-9	0.2	ND	0.1
B-10	2.5	NS	2.5
B-11	1.6	NS	1.6
B-12	0.3	ND	0.2
E-1	1.9	NS	1.9
E-2	0.7	0.9	0.8
E-3	7.4	NS	7.4
E-5	0.2	0.9	0.6
E-7	0.3	NS	0.3
E-8	1.3	1.0	1.2
E-9	1.6	NS	1.6
E-11	29.6	3.4	16.5
E-14	14.9	1.6	8.3
E-15	0.7	NS	0.7
E-17	0.5	10.6	5.6
E-19	3.0	NS	3.0
E-20	0.4	7.5	4.0
E-21	0.7	NS	0.7
E-23	5.8	1.1	3.5
E-25	ND	0.6	0.3
E-26	5.9	ND	3.0

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2008 to 31-DEC-2008

Total Volatile Solids
(% Weight)

STATION	First Quarter	Third Quarter	Average of All Quarters
=====	=====	=====	=====
A-2	NS	2.3	2.3
A-5	NS	2.4	2.4
A-8	NS	2.7	2.7
A-9	NS	2.3	2.3
A-15	NS	2.7	2.7
A-16	NS	2.2	2.2
B-3	NS	69.9	69.9
B-5	NS	2.9	2.9
B-8	2.9	NS	2.9
B-9	2.8	2.9	2.9
B-10	2.8	NS	2.8
B-11	4.1	NS	4.1
B-12	3.2	3.2	3.2
E-1	2.3	NS	2.3
E-2	2.6	2.8	2.7
E-3	2.2	NS	2.2
E-5	1.7	1.9	1.8
E-7	2.1	NS	2.1
E-8	2.1	1.9	2.0
E-9	2.6	NS	2.6
E-11	2.0	2.7	2.4
E-14	2.0	1.9	2.0
E-15	2.3	NS	2.3
E-17	1.8	1.8	1.8
E-19	2.3	NS	2.3
E-20	1.9	2.3	2.1
E-21	2.1	NS	2.1
E-23	2.2	2.4	2.3
E-25	2.2	2.3	2.3
E-26	2.7	2.4	2.6

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-2008 to 31-DEC-2008

Analyte	A-2	A-5	A-8	A-9	A-15
	P434384 10-JUL-2008	P434389 10-JUL-2008	P434391 10-JUL-2008	P434399 10-JUL-2008	P434371 10-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.392	0.105	0.098	0.099	0.447
>1 to 1.5 microns, Phi 9.5	0.492	0.445	0.422	0.419	0.497
>1.5 to 2 microns, Phi 9	0.545	0.519	0.500	0.492	0.570
>2.0 to 2.4 microns	0.469	0.462	0.451	0.444	0.508
>2.4 to 2.9 microns, Phi 8.5	0.602	0.606	0.596	0.587	0.669
>2.9 to 3.4 microns	0.614	0.630	0.623	0.614	0.699
>3.4 to 3.9 microns, Phi 8	0.652	0.682	0.679	0.669	0.760
>3.9 to 4 microns	0.135	0.142	0.142	0.140	0.159
>4.0 to 4.3 microns	0.389	0.409	0.408	0.402	0.457
>4.3 to 4.5 microns	0.250	0.264	0.263	0.259	0.295
>4.5 to 5 microns	0.661	0.705	0.704	0.693	0.790
>5 to 5.5 microns	0.658	0.703	0.701	0.689	0.787
>5.5 to 5.7 microns	0.254	0.272	0.271	0.266	0.304
>5.7 to 5.9 microns, Phi 7.5	0.250	0.268	0.267	0.262	0.300
>5.9 to 7.8 microns, Phi 7	2.370	2.550	2.540	2.480	2.850
>7.8 to 8 microns	0.246	0.265	0.261	0.255	0.292
>8 to 8.5 microns	0.590	0.633	0.626	0.610	0.699
>8.5 to 8.9 microns	0.456	0.489	0.482	0.470	0.538
>8.9 to 9.1 microns	0.235	0.252	0.247	0.240	0.275
>9.1 to 9.5 microns	0.455	0.487	0.478	0.465	0.532
>9.5 to 9.8 microns	0.329	0.352	0.345	0.336	0.384
>9.8 to 10.1 microns	0.319	0.342	0.335	0.326	0.373
>10.1 to 10.6 microns	0.559	0.596	0.581	0.564	0.644
>10.6 to 11.1 microns	0.533	0.569	0.554	0.538	0.615
>11.1 to 11.3 microns	0.207	0.220	0.215	0.208	0.238
>11.3 to 11.7 microns, Phi 6.5	0.408	0.434	0.422	0.409	0.467
>11.7 to 14 microns	2.200	2.340	2.250	2.180	2.470
>14 to 14.8 microns	0.710	0.752	0.718	0.697	0.786
>14.8 to 15.6 microns	0.694	0.735	0.696	0.678	0.759
>15.6 to 16 microns	0.343	0.363	0.342	0.334	0.371
>16 to 20 microns	3.120	3.300	3.080	3.020	3.330
>20 to 23 microns, Phi 5.5	2.100	2.220	2.030	2.010	2.160
>23 to 27 microns	2.590	2.760	2.480	2.490	2.600
>27 to 31 microns, Phi 5	2.440	2.650	2.340	2.400	2.430
>31 to 32 microns	0.606	0.669	0.583	0.609	0.601
>32 to 35.6 microns	2.150	2.400	2.080	2.200	2.130
>35.6 to 37 microns, Phi 4.75	0.851	0.965	0.830	0.892	0.845
>37 to 39.6 microns	1.540	1.760	1.510	1.630	1.530
>39.6 to 43.6 microns	2.590	2.990	2.560	2.820	2.580
>43.6 to 44 microns, Phi 4.5	0.246	0.284	0.243	0.268	0.244
>44 to 45 microns	0.613	0.710	0.607	0.670	0.610
>45 to 46.4 microns	1.020	1.190	1.020	1.150	1.020
>46.4 to 53 microns, Phi 4.25	4.670	5.410	4.670	5.240	4.650
>53 to 62.5 microns, Phi 4	7.240	8.180	7.270	8.140	7.180
>62.5 to 64 microns	1.160	1.280	1.170	1.300	1.150
>64 to 71.7 microns	5.940	6.360	5.980	6.510	5.820
>71.7 to 74 microns	1.740	1.820	1.760	1.880	1.700
>74 to 79.6 microns	4.110	4.180	4.150	4.360	3.980
>79.6 to 87.6 microns	5.560	5.430	5.620	5.740	5.340

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	A-2	A-5	A-8	A-9	A-15
	P434384 10-JUL-2008	P434389 10-JUL-2008	P434391 10-JUL-2008	P434399 10-JUL-2008	P434371 10-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.265	0.258	0.268	0.273	0.254
>88 to 90 microns	1.280	1.190	1.300	1.270	1.220
>90 to 105 microns, Phi 3.25	8.520	7.690	8.660	8.250	8.020
>105 to 125 microns, Phi 3	8.200	6.960	8.360	7.510	7.610
>125 to 149 microns, Phi 2.75	6.180	5.040	6.280	5.420	5.690
>149 to 160 microns	1.770	1.410	1.770	1.520	1.630
>160 to 177 microns, Phi 2.5	2.080	1.660	2.070	1.780	1.930
>177 to 197 microns	1.480	1.180	1.430	1.260	1.390
>197 to 210 microns, Phi 2.25	0.618	0.496	0.585	0.527	0.585
>210 to 217 microns	0.275	0.221	0.257	0.235	0.262
>217 to 245 microns	0.787	0.642	0.727	0.678	0.754
>245 to 250 microns, Phi 2	0.101	0.083	0.091	0.087	0.097
>250 to 300 microns, Phi 1.75	0.633	0.537	0.564	0.559	0.618
>300 to 320 microns	0.118	0.105	0.102	0.108	0.117
>320 to 350 microns, Phi 1.5	0.150	0.136	0.130	0.138	0.150
>350 to 360 microns	0.033	0.031	0.029	0.031	0.033
>360 to 400 microns	0.118	0.111	0.103	0.113	0.119
>400 to 420 microns, Phi 1.25	0.041	0.040	0.036	0.040	0.042
>420 to 440 microns	0.039	0.038	0.035	0.039	0.040
>440 to 500 microns, Phi 1	0.022	0.021	0.019	0.021	0.022
>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
Totals:	100.013	99.998	100.016	100.013	100.018

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	A-16	B-3	B-5	B-9	B-12
	P434378 10-JUL-2008	P434404 10-JUL-2008	P434409 10-JUL-2008	P434268 09-JUL-2008	P434264 09-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.090	0.000	0.000
>0.5 to 1 microns, Phi 10	0.103	0.101	0.666	0.103	0.106
>1 to 1.5 microns, Phi 9.5	0.425	0.436	0.625	0.462	0.448
>1.5 to 2 microns, Phi 9	0.488	0.526	0.726	0.581	0.545
>2.0 to 2.4 microns	0.433	0.481	0.645	0.545	0.508
>2.4 to 2.9 microns, Phi 8.5	0.566	0.640	0.841	0.736	0.686
>2.9 to 3.4 microns	0.587	0.672	0.867	0.781	0.728
>3.4 to 3.9 microns, Phi 8	0.634	0.736	0.934	0.866	0.807
>3.9 to 4 microns	0.132	0.153	0.192	0.180	0.166
>4.0 to 4.3 microns	0.379	0.440	0.551	0.517	0.476
>4.3 to 4.5 microns	0.244	0.284	0.355	0.334	0.307
>4.5 to 5 microns	0.649	0.760	0.939	0.896	0.818
>5 to 5.5 microns	0.643	0.754	0.923	0.885	0.796
>5.5 to 5.7 microns	0.248	0.291	0.355	0.341	0.305
>5.7 to 5.9 microns, Phi 7.5	0.244	0.286	0.349	0.336	0.300
>5.9 to 7.8 microns, Phi 7	2.300	2.700	3.220	3.130	2.720
>7.8 to 8 microns	0.236	0.275	0.322	0.312	0.262
>8 to 8.5 microns	0.564	0.658	0.770	0.747	0.626
>8.5 to 8.9 microns	0.434	0.506	0.590	0.572	0.477
>8.9 to 9.1 microns	0.222	0.258	0.297	0.287	0.234
>9.1 to 9.5 microns	0.429	0.499	0.574	0.556	0.453
>9.5 to 9.8 microns	0.310	0.361	0.415	0.402	0.327
>9.8 to 10.1 microns	0.301	0.350	0.403	0.390	0.318
>10.1 to 10.6 microns	0.520	0.602	0.682	0.658	0.521
>10.6 to 11.1 microns	0.496	0.574	0.651	0.627	0.497
>11.1 to 11.3 microns	0.192	0.223	0.252	0.243	0.193
>11.3 to 11.7 microns, Phi 6.5	0.378	0.436	0.491	0.472	0.370
>11.7 to 14 microns	2.020	2.310	2.550	2.440	1.850
>14 to 14.8 microns	0.646	0.736	0.802	0.762	0.567
>14.8 to 15.6 microns	0.629	0.713	0.769	0.727	0.532
>15.6 to 16 microns	0.310	0.350	0.374	0.352	0.254
>16 to 20 microns	2.810	3.160	3.320	3.110	2.190
>20 to 23 microns, Phi 5.5	1.880	2.080	2.130	1.970	1.320
>23 to 27 microns	2.340	2.560	2.560	2.350	1.520
>27 to 31 microns, Phi 5	2.260	2.450	2.400	2.200	1.380
>31 to 32 microns	0.575	0.617	0.599	0.549	0.336
>32 to 35.6 microns	2.070	2.200	2.130	1.960	1.190
>35.6 to 37 microns, Phi 4.75	0.840	0.883	0.851	0.784	0.470
>37 to 39.6 microns	1.530	1.600	1.540	1.420	0.851
>39.6 to 43.6 microns	2.660	2.700	2.600	2.410	1.420
>43.6 to 44 microns, Phi 4.5	0.252	0.257	0.246	0.228	0.135
>44 to 45 microns	0.632	0.640	0.615	0.570	0.336
>45 to 46.4 microns	1.090	1.060	1.020	0.950	0.556
>46.4 to 53 microns, Phi 4.25	5.000	4.820	4.620	4.330	2.530
>53 to 62.5 microns, Phi 4	7.940	7.310	6.980	6.640	3.930
>62.5 to 64 microns	1.280	1.150	1.100	1.060	0.636
>64 to 71.7 microns	6.540	5.820	5.530	5.410	3.340
>71.7 to 74 microns	1.920	1.690	1.600	1.590	0.999
>74 to 79.6 microns	4.490	3.960	3.740	3.760	2.450
>79.6 to 87.6 microns	6.010	5.320	4.980	5.120	3.490

*=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 08-JUL-2008

Analyte	A-16	B-3	B-5	B-9	B-12
	P434378	P434404	P434409	P434268	P434264
	10-JUL-2008	10-JUL-2008	10-JUL-2008	09-JUL-2008	09-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.286	0.253	0.237	0.243	0.166
>88 to 90 microns	1.360	1.230	1.130	1.200	0.893
>90 to 105 microns, Phi 3.25	8.860	8.170	7.480	8.070	6.490
>105 to 125 microns, Phi 3	8.170	7.960	7.150	8.070	8.190
>125 to 149 microns, Phi 2.75	5.900	6.050	5.430	6.390	8.890
>149 to 160 microns	1.640	1.730	1.590	1.910	3.660
>160 to 177 microns, Phi 2.5	1.910	2.030	1.890	2.300	5.120
>177 to 197 microns	1.340	1.430	1.390	1.700	5.080
>197 to 210 microns, Phi 2.25	0.558	0.590	0.592	0.725	2.650
>210 to 217 microns	0.248	0.261	0.267	0.326	1.300
>217 to 245 microns	0.709	0.744	0.774	0.942	4.090
>245 to 250 microns, Phi 2	0.090	0.094	0.100	0.121	0.585
>250 to 300 microns, Phi 1.75	0.570	0.591	0.642	0.764	3.860
>300 to 320 microns	0.106	0.110	0.122	0.139	0.675
>320 to 350 microns, Phi 1.5	0.136	0.140	0.156	0.177	0.836
>350 to 360 microns	0.030	0.031	0.034	0.038	0.151
>360 to 400 microns	0.109	0.112	0.124	0.136	0.529
>400 to 420 microns, Phi 1.25	0.039	0.039	0.043	0.046	0.140
>420 to 440 microns	0.037	0.038	0.041	0.044	0.134
>440 to 500 microns, Phi 1	0.021	0.021	0.023	0.024	0.249
>500 to 590 microns, Phi 0.75	0.000	0.000	0.000	0.000	0.058
>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*	*	*	2.03	*	1.72
Totals:	100.000	100.012	102.026	100.016	101.742

*=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-2008 to 31-DEC-2008

Analyte	E-2	E-5	E-8	E-11	E-14
	P434191 08-JUL-2008	P434197 08-JUL-2008	P434205 08-JUL-2008	P434187 08-JUL-2008	P434275 09-JUL-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.238	0.100	0.000	0.000	0.215
>1 to 1.5 microns, Phi 9.5	0.579	0.423	0.239	0.218	0.448
>1.5 to 2 microns, Phi 9	0.732	0.497	0.400	0.372	0.498
>2.0 to 2.4 microns	0.677	0.445	0.363	0.345	0.433
>2.4 to 2.9 microns, Phi 8.5	0.895	0.583	0.481	0.465	0.556
>2.9 to 3.4 microns	0.929	0.601	0.500	0.492	0.563
>3.4 to 3.9 microns, Phi 8	1.010	0.647	0.543	0.544	0.596
>3.9 to 4 microns	0.208	0.133	0.112	0.113	0.121
>4.0 to 4.3 microns	0.597	0.382	0.321	0.325	0.346
>4.3 to 4.5 microns	0.384	0.245	0.206	0.209	0.222
>4.5 to 5 microns	1.020	0.648	0.546	0.561	0.579
>5 to 5.5 microns	1.000	0.635	0.534	0.552	0.560
>5.5 to 5.7 microns	0.387	0.244	0.205	0.213	0.214
>5.7 to 5.9 microns, Phi 7.5	0.380	0.240	0.202	0.209	0.210
>5.9 to 7.8 microns, Phi 7	3.510	2.210	1.860	1.950	1.890
>7.8 to 8 microns	0.350	0.221	0.185	0.195	0.183
>8 to 8.5 microns	0.839	0.528	0.443	0.466	0.439
>8.5 to 8.9 microns	0.643	0.405	0.339	0.357	0.335
>8.9 to 9.1 microns	0.323	0.204	0.171	0.180	0.166
>9.1 to 9.5 microns	0.625	0.396	0.331	0.348	0.322
>9.5 to 9.8 microns	0.451	0.286	0.239	0.251	0.233
>9.8 to 10.1 microns	0.438	0.277	0.232	0.244	0.226
>10.1 to 10.6 microns	0.742	0.471	0.393	0.412	0.375
>10.6 to 11.1 microns	0.707	0.449	0.374	0.393	0.358
>11.1 to 11.3 microns	0.274	0.174	0.145	0.152	0.139
>11.3 to 11.7 microns, Phi 6.5	0.533	0.341	0.284	0.297	0.269
>11.7 to 14 microns	2.750	1.790	1.500	1.560	1.390
>14 to 14.8 microns	0.861	0.568	0.474	0.490	0.434
>14.8 to 15.6 microns	0.820	0.551	0.461	0.474	0.418
>15.6 to 16 microns	0.396	0.270	0.227	0.232	0.204
>16 to 20 microns	3.500	2.440	2.060	2.080	1.820
>20 to 23 microns, Phi 5.5	2.200	1.620	1.380	1.370	1.190
>23 to 27 microns	2.570	2.030	1.760	1.710	1.480
>27 to 31 microns, Phi 5	2.330	1.980	1.770	1.690	1.460
>31 to 32 microns	0.564	0.508	0.464	0.441	0.380
>32 to 35.6 microns	1.960	1.840	1.710	1.620	1.400
>35.6 to 37 microns, Phi 4.75	0.758	0.752	0.712	0.675	0.588
>37 to 39.6 microns	1.360	1.370	1.310	1.240	1.080
>39.6 to 43.6 microns	2.180	2.380	2.340	2.240	1.980
>43.6 to 44 microns, Phi 4.5	0.207	0.226	0.222	0.213	0.188
>44 to 45 microns	0.514	0.566	0.557	0.534	0.472
>45 to 46.4 microns	0.806	0.969	0.981	0.958	0.861
>46.4 to 53 microns, Phi 4.25	3.620	4.440	4.530	4.450	4.030
>53 to 62.5 microns, Phi 4	5.230	7.050	7.380	7.430	6.970
>62.5 to 64 microns	0.813	1.140	1.210	1.240	1.180
>64 to 71.7 microns	4.090	5.940	6.380	6.520	6.390
>71.7 to 74 microns	1.180	1.760	1.910	1.960	1.960
>74 to 79.6 microns	2.810	4.230	4.620	4.730	4.790
>79.6 to 87.6 microns	3.820	5.860	6.460	6.610	6.840

POINT LOMA WASTEWATER TREATMENT PLANT
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 Grain Size
 (all values are in percent distribution)

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-2	E-5	E-8	E-11	E-14
	P434191 08-JUL-2008	P434197 08-JUL-2008	P434205 08-JUL-2008	P434187 08-JUL-2008	P434275 09-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.182	0.279	0.307	0.314	0.325
>88 to 90 microns	0.921	1.400	1.550	1.570	1.660
>90 to 105 microns, Phi 3.25	6.400	9.520	10.500	10.600	11.400
>105 to 125 microns, Phi 3	7.230	9.650	10.500	10.400	11.300
>125 to 149 microns, Phi 2.75	6.800	7.490	7.820	7.690	8.240
>149 to 160 microns	2.400	2.140	2.160	2.110	2.210
>160 to 177 microns, Phi 2.5	3.130	2.510	2.480	2.410	2.500
>177 to 197 microns	2.670	1.740	1.680	1.630	1.640
>197 to 210 microns, Phi 2.25	1.240	0.711	0.672	0.654	0.649
>210 to 217 microns	0.581	0.312	0.293	0.285	0.280
>217 to 245 microns	1.730	0.878	0.818	0.801	0.779
>245 to 250 microns, Phi 2	0.233	0.109	0.101	0.099	0.095
>250 to 300 microns, Phi 1.75	1.480	0.670	0.616	0.611	0.582
>300 to 320 microns	0.262	0.118	0.109	0.109	0.103
>320 to 350 microns, Phi 1.5	0.329	0.150	0.138	0.138	0.131
>350 to 360 microns	0.065	0.032	0.030	0.030	0.029
>360 to 400 microns	0.232	0.115	0.108	0.107	0.103
>400 to 420 microns, Phi 1.25	0.071	0.040	0.038	0.037	0.036
>420 to 440 microns	0.068	0.038	0.036	0.035	0.035
>440 to 500 microns, Phi 1	0.142	0.021	0.020	0.020	0.019
>500 to 590 microns, Phi 0.75	0.035	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*	2.13	*	*	*	2.07
Totals:	102.141	99.988	100.042	99.980	102.187

*=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-2008 to 31-DEC-2008

Analyte	E-17	E-20	E-23	E-25	E-26
	P434282 09-JUL-2008	P434285 09-JUL-2008	P434291 09-JUL-2008	P434299 09-JUL-2008	P434306 09-JUL-2008
<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	0.211	0.000
>1 to 1.5 microns, Phi 9.5	0.256	0.261	0.401	0.462	0.426
>1.5 to 2 microns, Phi 9	0.428	0.447	0.501	0.542	0.532
>2.0 to 2.4 microns	0.389	0.415	0.465	0.486	0.494
>2.4 to 2.9 microns, Phi 8.5	0.513	0.556	0.622	0.635	0.660
>2.9 to 3.4 microns	0.533	0.587	0.653	0.654	0.694
>3.4 to 3.9 microns, Phi 8	0.578	0.647	0.716	0.703	0.762
>3.9 to 4 microns	0.118	0.134	0.147	0.144	0.158
>4.0 to 4.3 microns	0.340	0.385	0.423	0.413	0.454
>4.3 to 4.5 microns	0.219	0.248	0.272	0.265	0.292
>4.5 to 5 microns	0.578	0.663	0.723	0.698	0.781
>5 to 5.5 microns	0.565	0.652	0.709	0.682	0.771
>5.5 to 5.7 microns	0.217	0.251	0.273	0.262	0.297
>5.7 to 5.9 microns, Phi 7.5	0.213	0.247	0.268	0.257	0.292
>5.9 to 7.8 microns, Phi 7	1.950	2.290	2.460	2.350	2.730
>7.8 to 8 microns	0.193	0.229	0.245	0.234	0.275
>8 to 8.5 microns	0.462	0.547	0.586	0.559	0.658
>8.5 to 8.9 microns	0.354	0.420	0.449	0.429	0.506
>8.9 to 9.1 microns	0.177	0.211	0.225	0.215	0.256
>9.1 to 9.5 microns	0.343	0.409	0.436	0.417	0.495
>9.5 to 9.8 microns	0.248	0.295	0.315	0.301	0.358
>9.8 to 10.1 microns	0.240	0.287	0.306	0.293	0.347
>10.1 to 10.6 microns	0.404	0.485	0.517	0.494	0.592
>10.6 to 11.1 microns	0.386	0.462	0.493	0.472	0.564
>11.1 to 11.3 microns	0.149	0.179	0.191	0.183	0.219
>11.3 to 11.7 microns, Phi 6.5	0.292	0.350	0.373	0.357	0.428
>11.7 to 14 microns	1.520	1.830	1.950	1.880	2.250
>14 to 14.8 microns	0.480	0.577	0.617	0.594	0.712
>14.8 to 15.6 microns	0.465	0.559	0.598	0.577	0.690
>15.6 to 16 microns	0.228	0.274	0.293	0.283	0.338
>16 to 20 microns	2.050	2.460	2.650	2.560	3.040
>20 to 23 microns, Phi 5.5	1.360	1.620	1.760	1.710	2.010
>23 to 27 microns	1.710	2.030	2.230	2.160	2.490
>27 to 31 microns, Phi 5	1.700	2.000	2.220	2.140	2.430
>31 to 32 microns	0.443	0.518	0.579	0.554	0.621
>32 to 35.6 microns	1.630	1.900	2.120	2.010	2.240
>35.6 to 37 microns, Phi 4.75	0.681	0.786	0.879	0.825	0.914
>37 to 39.6 microns	1.250	1.440	1.610	1.510	1.670
>39.6 to 43.6 microns	2.260	2.570	2.850	2.620	2.860
>43.6 to 44 microns, Phi 4.5	0.214	0.243	0.270	0.249	0.272
>44 to 45 microns	0.538	0.610	0.676	0.622	0.678
>45 to 46.4 microns	0.962	1.070	1.170	1.060	1.140
>46.4 to 53 microns, Phi 4.25	4.460	4.930	5.340	4.860	5.180
>53 to 62.5 microns, Phi 4	7.440	7.900	8.310	7.560	7.870
>62.5 to 64 microns	1.240	1.280	1.320	1.210	1.240
>64 to 71.7 microns	6.550	6.610	6.680	6.150	6.260
>71.7 to 74 microns	1.970	1.950	1.940	1.800	1.820
>74 to 79.6 microns	4.770	4.620	4.520	4.240	4.240
>79.6 to 87.6 microns	6.680	6.280	6.020	5.730	5.650

POINT LOMA WASTEWATER TREATMENT PLANT
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 Grain Size
 (all values are in percent distribution)

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-17	E-20	E-23	E-25	E-26
	P434282 09-JUL-2008	P434285 09-JUL-2008	P434291 09-JUL-2008	P434299 09-JUL-2008	P434306 09-JUL-2008
>87.6 to 88 microns, Phi 3.5	0.318	0.299	0.286	0.273	0.269
>88 to 90 microns	1.590	1.450	1.350	1.330	1.280
>90 to 105 microns, Phi 3.25	10.800	9.630	8.830	8.880	8.350
>105 to 125 microns, Phi 3	10.600	9.090	8.070	8.680	7.680
>125 to 149 microns, Phi 2.75	7.680	6.510	5.680	6.610	5.430
>149 to 160 microns	2.050	1.740	1.520	1.890	1.460
>160 to 177 microns, Phi 2.5	2.310	1.980	1.730	2.210	1.680
>177 to 197 microns	1.500	1.310	1.150	1.550	1.140
>197 to 210 microns, Phi 2.25	0.589	0.525	0.462	0.639	0.465
>210 to 217 microns	0.253	0.228	0.201	0.282	0.204
>217 to 245 microns	0.699	0.640	0.566	0.799	0.579
>245 to 250 microns, Phi 2	0.084	0.079	0.070	0.100	0.073
>250 to 300 microns, Phi 1.75	0.510	0.493	0.437	0.624	0.458
>300 to 320 microns	0.089	0.091	0.081	0.113	0.086
>320 to 350 microns, Phi 1.5	0.113	0.116	0.104	0.144	0.110
>350 to 360 microns	0.025	0.026	0.023	0.031	0.025
>360 to 400 microns	0.080	0.083	0.075	0.113	0.080
>400 to 420 microns, Phi 1.25	0.000	0.000	0.000	0.040	0.000
>420 to 440 microns	0.000	0.000	0.000	0.038	0.000
>440 to 500 microns, Phi 1	0.000	0.000	0.000	0.021	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
Totals:	100.036	100.004	100.006	99.989	100.025

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	B-8	B-9	B-10	B-11	B-12
	P414978 18-JAN-2008	P414984 18-JAN-2008	P414960 18-JAN-2008	P414966 18-JAN-2008	P414972 18-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.105	0.000	0.000	0.112	0.000
>1 to 1.5 microns, Phi 9.5	0.497	0.410	0.246	0.541	0.269
>1.5 to 2 microns, Phi 9	0.636	0.546	0.441	0.720	0.499
>2.0 to 2.4 microns	0.587	0.519	0.425	0.687	0.491
>2.4 to 2.9 microns, Phi 8.5	0.774	0.698	0.583	0.926	0.681
>2.9 to 3.4 microns	0.800	0.736	0.625	0.977	0.737
>3.4 to 3.9 microns, Phi 8	0.864	0.811	0.700	1.080	0.832
>3.9 to 4 microns	0.179	0.169	0.146	0.224	0.174
>4.0 to 4.3 microns	0.514	0.484	0.419	0.645	0.501
>4.3 to 4.5 microns	0.330	0.312	0.270	0.416	0.324
>4.5 to 5 microns	0.876	0.835	0.729	1.120	0.877
>5 to 5.5 microns	0.869	0.826	0.716	1.100	0.867
>5.5 to 5.7 microns	0.336	0.318	0.276	0.426	0.334
>5.7 to 5.9 microns, Phi 7.5	0.330	0.313	0.271	0.419	0.330
>5.9 to 7.8 microns, Phi 7	3.100	2.930	2.510	3.910	3.080
>7.8 to 8 microns	0.320	0.294	0.244	0.391	0.303
>8 to 8.5 microns	0.766	0.705	0.584	0.937	0.726
>8.5 to 8.9 microns	0.590	0.541	0.445	0.718	0.555
>8.9 to 9.1 microns	0.303	0.273	0.219	0.360	0.275
>9.1 to 9.5 microns	0.587	0.528	0.424	0.696	0.533
>9.5 to 9.8 microns	0.425	0.381	0.307	0.503	0.385
>9.8 to 10.1 microns	0.412	0.370	0.297	0.488	0.374
>10.1 to 10.6 microns	0.717	0.629	0.490	0.825	0.623
>10.6 to 11.1 microns	0.684	0.600	0.468	0.787	0.594
>11.1 to 11.3 microns	0.265	0.232	0.181	0.305	0.230
>11.3 to 11.7 microns, Phi 6.5	0.523	0.453	0.348	0.591	0.444
>11.7 to 14 microns	2.820	2.360	1.740	3.020	2.230
>14 to 14.8 microns	0.912	0.742	0.529	0.942	0.685
>14.8 to 15.6 microns	0.896	0.712	0.494	0.891	0.641
>15.6 to 16 microns	0.445	0.346	0.234	0.428	0.305
>16 to 20 microns	4.080	3.080	2.010	3.750	2.630
>20 to 23 microns, Phi 5.5	2.820	1.980	1.180	2.300	1.560
>23 to 27 microns	3.600	2.390	1.330	2.650	1.750
>27 to 31 microns, Phi 5	3.550	2.250	1.180	2.380	1.540
>31 to 32 microns	0.905	0.565	0.288	0.571	0.369
>32 to 35.6 microns	3.230	2.020	1.020	1.990	1.290
>35.6 to 37 microns, Phi 4.75	1.290	0.809	0.408	0.763	0.498
>37 to 39.6 microns	2.330	1.470	0.745	1.370	0.898
>39.6 to 43.6 microns	3.810	2.490	1.300	2.170	1.460
>43.6 to 44 microns, Phi 4.5	0.362	0.236	0.123	0.206	0.139
>44 to 45 microns	0.899	0.590	0.309	0.511	0.346
>45 to 46.4 microns	1.410	0.990	0.549	0.790	0.562
>46.4 to 53 microns, Phi 4.25	6.250	4.520	2.570	3.530	2.550
>53 to 62.5 microns, Phi 4	8.500	7.040	4.500	4.970	3.940
>62.5 to 64 microns	1.250	1.130	0.776	0.758	0.637
>64 to 71.7 microns	5.900	5.810	4.310	3.750	3.350
>71.7 to 74 microns	1.610	1.710	1.350	1.070	1.000
>74 to 79.6 microns	3.580	4.050	3.390	2.520	2.460
>79.6 to 87.6 microns	4.410	5.500	5.030	3.370	3.530

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	B-8	B-9	B-10	B-11	B-12
	P414978	P414984	P414960	P414966	P414972
	18-JAN-2008	18-JAN-2008	18-JAN-2008	18-JAN-2008	18-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.210	0.262	0.239	0.160	0.168
>88 to 90 microns	0.921	1.280	1.300	0.803	0.906
>90 to 105 microns, Phi 3.25	5.710	8.510	9.400	5.550	6.590
>105 to 125 microns, Phi 3	4.800	8.200	10.900	6.300	8.290
>125 to 149 microns, Phi 2.75	3.240	6.120	9.980	6.150	8.820
>149 to 160 microns	0.868	1.730	3.360	2.310	3.500
>160 to 177 microns, Phi 2.5	0.998	2.020	4.290	3.100	4.820
>177 to 197 microns	0.697	1.420	3.540	2.850	4.590
>197 to 210 microns, Phi 2.25	0.293	0.589	1.640	1.420	2.320
>210 to 217 microns	0.131	0.261	0.768	0.684	1.120
>217 to 245 microns	0.381	0.745	2.330	2.120	3.480
>245 to 250 microns, Phi 2	0.050	0.094	0.319	0.299	0.489
>250 to 300 microns, Phi 1.75	0.326	0.591	2.130	1.990	3.190
>300 to 320 microns	0.067	0.108	0.421	0.371	0.553
>320 to 350 microns, Phi 1.5	0.075	0.138	0.536	0.466	0.686
>350 to 360 microns	0.000	0.030	0.115	0.092	0.126
>360 to 400 microns	0.000	0.109	0.409	0.324	0.441
>400 to 420 microns, Phi 1.25	0.000	0.038	0.132	0.095	0.120
>420 to 440 microns	0.000	0.036	0.126	0.091	0.115
>440 to 500 microns, Phi 1	0.000	0.020	0.264	0.181	0.219
>500 to 590 microns, Phi 0.75	0.000	0.000	0.064	0.043	0.051
>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	3.83	ND
Totals:	100.015	100.004	99.992	103.833	100.002

*=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-2008 to 31-DEC-2008

Analyte	E-1	E-3	E-7	E-8	E-9
	P414769 16-JAN-2008	P414781 16-JAN-2008	P414793 16-JAN-2008	P414799 16-JAN-2008	P414805 16-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10	0.103	0.000	0.000	0.000	0.233
>1 to 1.5 microns, Phi 9.5	0.486	0.462	0.252	0.256	0.552
>1.5 to 2 microns, Phi 9	0.624	0.649	0.443	0.435	0.686
>2.0 to 2.4 microns	0.580	0.627	0.416	0.397	0.629
>2.4 to 2.9 microns, Phi 8.5	0.766	0.840	0.560	0.520	0.825
>2.9 to 3.4 microns	0.796	0.877	0.592	0.536	0.847
>3.4 to 3.9 microns, Phi 8	0.863	0.959	0.652	0.576	0.912
>3.9 to 4 microns	0.179	0.197	0.136	0.118	0.185
>4.0 to 4.3 microns	0.513	0.564	0.391	0.340	0.530
>4.3 to 4.5 microns	0.330	0.363	0.252	0.218	0.340
>4.5 to 5 microns	0.877	0.963	0.677	0.576	0.893
>5 to 5.5 microns	0.868	0.944	0.673	0.564	0.864
>5.5 to 5.7 microns	0.335	0.363	0.260	0.217	0.331
>5.7 to 5.9 microns, Phi 7.5	0.329	0.356	0.256	0.213	0.324
>5.9 to 7.8 microns, Phi 7	3.070	3.270	2.420	1.960	2.910
>7.8 to 8 microns	0.312	0.324	0.247	0.197	0.281
>8 to 8.5 microns	0.747	0.777	0.591	0.471	0.674
>8.5 to 8.9 microns	0.574	0.594	0.455	0.361	0.514
>8.9 to 9.1 microns	0.291	0.297	0.232	0.183	0.254
>9.1 to 9.5 microns	0.564	0.574	0.449	0.353	0.491
>9.5 to 9.8 microns	0.408	0.415	0.324	0.255	0.355
>9.8 to 10.1 microns	0.396	0.403	0.315	0.248	0.344
>10.1 to 10.6 microns	0.679	0.678	0.542	0.421	0.568
>10.6 to 11.1 microns	0.648	0.647	0.517	0.402	0.542
>11.1 to 11.3 microns	0.251	0.251	0.200	0.156	0.210
>11.3 to 11.7 microns, Phi 6.5	0.491	0.486	0.394	0.305	0.406
>11.7 to 14 microns	2.580	2.480	2.090	1.610	2.070
>14 to 14.8 microns	0.818	0.773	0.669	0.513	0.640
>14.8 to 15.6 microns	0.788	0.731	0.652	0.500	0.610
>15.6 to 16 microns	0.385	0.351	0.321	0.246	0.295
>16 to 20 microns	3.450	3.070	2.920	2.230	2.600
>20 to 23 microns, Phi 5.5	2.240	1.880	1.960	1.500	1.640
>23 to 27 microns	2.690	2.150	2.480	1.910	1.990
>27 to 31 microns, Phi 5	2.490	1.880	2.450	1.900	1.900
>31 to 32 microns	0.609	0.439	0.631	0.492	0.483
>32 to 35.6 microns	2.120	1.500	2.290	1.790	1.750
>35.6 to 37 microns, Phi 4.75	0.820	0.556	0.937	0.735	0.711
>37 to 39.6 microns	1.470	0.989	1.710	1.350	1.300
>39.6 to 43.6 microns	2.330	1.490	2.960	2.360	2.260
>43.6 to 44 microns, Phi 4.5	0.221	0.141	0.280	0.223	0.214
>44 to 45 microns	0.548	0.349	0.701	0.560	0.536
>45 to 46.4 microns	0.844	0.515	1.180	0.970	0.920
>46.4 to 53 microns, Phi 4.25	3.770	2.290	5.390	4.470	4.220
>53 to 62.5 microns, Phi 4	5.300	3.160	8.200	7.210	6.680
>62.5 to 64 microns	0.812	0.484	1.290	1.180	1.080
>64 to 71.7 microns	4.060	2.470	6.440	6.150	5.540
>71.7 to 74 microns	1.170	0.722	1.850	1.840	1.630
>74 to 79.6 microns	2.770	1.760	4.290	4.410	3.850
>79.6 to 87.6 microns	3.780	2.500	5.650	6.110	5.230

POINT LOMA WASTEWATER TREATMENT PLANT
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 Grain Size
 (all values are in percent distribution)

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-1	E-3	E-7	E-8	E-9
	P414769 16-JAN-2008	P414781 16-JAN-2008	P414793 16-JAN-2008	P414799 16-JAN-2008	P414805 16-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.180	0.119	0.269	0.291	0.249
>88 to 90 microns	0.921	0.660	1.270	1.460	1.220
>90 to 105 microns, Phi 3.25	6.460	4.940	8.290	9.920	8.180
>105 to 125 microns, Phi 3	7.490	6.940	7.760	10.000	8.250
>125 to 149 microns, Phi 2.75	7.190	8.480	5.690	7.760	6.730
>149 to 160 microns	2.560	3.760	1.580	2.220	2.110
>160 to 177 microns, Phi 2.5	3.340	5.390	1.840	2.610	2.610
>177 to 197 microns	2.840	5.420	1.270	1.820	2.050
>197 to 210 microns, Phi 2.25	1.320	2.780	0.524	0.745	0.915
>210 to 217 microns	0.617	1.350	0.231	0.328	0.421
>217 to 245 microns	1.840	4.140	0.659	0.924	1.250
>245 to 250 microns, Phi 2	0.247	0.574	0.083	0.115	0.166
>250 to 300 microns, Phi 1.75	1.580	3.610	0.523	0.708	1.070
>300 to 320 microns	0.281	0.571	0.098	0.125	0.198
>320 to 350 microns, Phi 1.5	0.352	0.701	0.125	0.159	0.251
>350 to 360 microns	0.070	0.121	0.028	0.034	0.052
>360 to 400 microns	0.249	0.423	0.101	0.122	0.187
>400 to 420 microns, Phi 1.25	0.076	0.111	0.036	0.042	0.061
>420 to 440 microns	0.073	0.106	0.035	0.040	0.058
>440 to 500 microns, Phi 1	0.152	0.199	0.019	0.022	0.127
>500 to 590 microns, Phi 0.75	0.037	0.047	0.000	0.000	0.031
>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*	1.35	2.21	ND	ND	ND
Totals:	101.370	102.212	100.018	99.982	100.035

*=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-2008 to 31-DEC-2008

Analyte	E-11	E-14	E-15	E-17	E-19
	P414859 17-JAN-2008	P414865 17-JAN-2008	P414871 17-JAN-2008	P414877 17-JAN-2008	P414883 17-JAN-2008
<0.500 microns, Phi 11	0.000	0.000	0.338	0.000	0.000
>0.5 to 1 microns, Phi 10	0.000	0.000	0.580	0.000	0.000
>1 to 1.5 microns, Phi 9.5	0.235	0.115	0.372	0.113	0.422
>1.5 to 2 microns, Phi 9	0.409	0.384	0.411	0.374	0.533
>2.0 to 2.4 microns	0.381	0.371	0.383	0.359	0.488
>2.4 to 2.9 microns, Phi 8.5	0.507	0.506	0.534	0.489	0.640
>2.9 to 3.4 microns	0.530	0.540	0.589	0.522	0.658
>3.4 to 3.9 microns, Phi 8	0.578	0.601	0.680	0.581	0.707
>3.9 to 4 microns	0.119	0.125	0.143	0.121	0.145
>4.0 to 4.3 microns	0.342	0.360	0.411	0.349	0.417
>4.3 to 4.5 microns	0.220	0.232	0.266	0.225	0.268
>4.5 to 5 microns	0.585	0.624	0.726	0.605	0.706
>5 to 5.5 microns	0.573	0.615	0.716	0.598	0.694
>5.5 to 5.7 microns	0.221	0.237	0.276	0.231	0.267
>5.7 to 5.9 microns, Phi 7.5	0.217	0.233	0.272	0.227	0.262
>5.9 to 7.8 microns, Phi 7	2.000	2.170	2.520	2.120	2.430
>7.8 to 8 microns	0.198	0.215	0.245	0.212	0.247
>8 to 8.5 microns	0.475	0.514	0.587	0.508	0.591
>8.5 to 8.9 microns	0.364	0.393	0.448	0.389	0.455
>8.9 to 9.1 microns	0.182	0.196	0.221	0.196	0.232
>9.1 to 9.5 microns	0.353	0.380	0.427	0.379	0.449
>9.5 to 9.8 microns	0.255	0.275	0.309	0.274	0.325
>9.8 to 10.1 microns	0.248	0.267	0.300	0.266	0.315
>10.1 to 10.6 microns	0.417	0.447	0.495	0.449	0.542
>10.6 to 11.1 microns	0.398	0.426	0.472	0.428	0.517
>11.1 to 11.3 microns	0.154	0.165	0.183	0.166	0.200
>11.3 to 11.7 microns, Phi 6.5	0.301	0.320	0.352	0.323	0.394
>11.7 to 14 microns	1.570	1.640	1.770	1.680	2.120
>14 to 14.8 microns	0.493	0.510	0.545	0.527	0.680
>14.8 to 15.6 microns	0.476	0.486	0.514	0.507	0.668
>15.6 to 16 microns	0.233	0.235	0.247	0.247	0.332
>16 to 20 microns	2.090	2.070	2.150	2.200	3.050
>20 to 23 microns, Phi 5.5	1.370	1.300	1.320	1.420	2.110
>23 to 27 microns	1.710	1.560	1.560	1.750	2.730
>27 to 31 microns, Phi 5	1.690	1.480	1.460	1.700	2.750
>31 to 32 microns	0.437	0.376	0.369	0.439	0.716
>32 to 35.6 microns	1.600	1.370	1.340	1.610	2.600
>35.6 to 37 microns, Phi 4.75	0.664	0.565	0.545	0.666	1.070
>37 to 39.6 microns	1.220	1.040	0.999	1.220	1.950
>39.6 to 43.6 microns	2.190	1.870	1.770	2.200	3.380
>43.6 to 44 microns, Phi 4.5	0.207	0.177	0.168	0.208	0.321
>44 to 45 microns	0.521	0.446	0.422	0.523	0.802
>45 to 46.4 microns	0.929	0.811	0.757	0.938	1.350
>46.4 to 53 microns, Phi 4.25	4.320	3.800	3.540	4.370	6.110
>53 to 62.5 microns, Phi 4	7.230	6.640	6.150	7.350	9.090
>62.5 to 64 microns	1.210	1.140	1.050	1.230	1.400
>64 to 71.7 microns	6.390	6.190	5.750	6.490	6.840
>71.7 to 74 microns	1.930	1.910	1.770	1.960	1.930
>74 to 79.6 microns	4.670	4.700	4.390	4.710	4.370
>79.6 to 87.6 microns	6.550	6.770	6.350	6.570	5.550

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-11	E-14	E-15	E-17	E-19
	P414859 17-JAN-2008	P414865 17-JAN-2008	P414871 17-JAN-2008	P414877 17-JAN-2008	P414883 17-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.311	0.322	0.302	0.313	0.264
>88 to 90 microns	1.570	1.660	1.570	1.560	1.190
>90 to 105 microns, Phi 3.25	10.600	11.400	10.900	10.500	7.520
>105 to 125 microns, Phi 3	10.500	11.400	11.100	10.300	6.490
>125 to 149 microns, Phi 2.75	7.800	8.370	8.320	7.550	4.430
>149 to 160 microns	2.140	2.230	2.290	2.060	1.180
>160 to 177 microns, Phi 2.5	2.460	2.510	2.620	2.350	1.360
>177 to 197 microns	1.660	1.630	1.750	1.570	0.933
>197 to 210 microns, Phi 2.25	0.669	0.635	0.697	0.631	0.388
>210 to 217 microns	0.292	0.273	0.302	0.275	0.172
>217 to 245 microns	0.820	0.751	0.842	0.769	0.496
>245 to 250 microns, Phi 2	0.102	0.090	0.103	0.095	0.064
>250 to 300 microns, Phi 1.75	0.627	0.545	0.628	0.585	0.412
>300 to 320 microns	0.112	0.094	0.109	0.105	0.081
>320 to 350 microns, Phi 1.5	0.143	0.119	0.139	0.134	0.105
>350 to 360 microns	0.031	0.026	0.030	0.029	0.024
>360 to 400 microns	0.112	0.083	0.108	0.105	0.078
>400 to 420 microns, Phi 1.25	0.039	0.000	0.037	0.037	0.000
>420 to 440 microns	0.038	0.000	0.036	0.035	0.000
>440 to 500 microns, Phi 1	0.021	0.000	0.020	0.020	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	ND	ND	ND
Totals:	100.009	99.935	100.095	100.042	100.010

*=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-2008 to 31-DEC-2008

Analyte	E-20	E-21	E-23	E-25	E-26
	P414889 17-JAN-2008	P414895 17-JAN-2008	P414901 17-JAN-2008	P414907 17-JAN-2008	P414990 18-JAN-2008
<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	0.270	0.237	0.386	0.381	0.435
>1.5 to 2 microns, Phi 9	0.471	0.425	0.483	0.477	0.571
>2.0 to 2.4 microns	0.439	0.404	0.439	0.434	0.536
>2.4 to 2.9 microns, Phi 8.5	0.586	0.543	0.572	0.566	0.713
>2.9 to 3.4 microns	0.613	0.571	0.585	0.579	0.742
>3.4 to 3.9 microns, Phi 8	0.669	0.627	0.625	0.618	0.807
>3.9 to 4 microns	0.138	0.130	0.128	0.126	0.166
>4.0 to 4.3 microns	0.396	0.372	0.366	0.362	0.476
>4.3 to 4.5 microns	0.255	0.239	0.235	0.232	0.306
>4.5 to 5 microns	0.678	0.638	0.617	0.609	0.811
>5 to 5.5 microns	0.665	0.627	0.604	0.595	0.796
>5.5 to 5.7 microns	0.256	0.241	0.232	0.229	0.306
>5.7 to 5.9 microns, Phi 7.5	0.251	0.237	0.228	0.224	0.301
>5.9 to 7.8 microns, Phi 7	2.320	2.200	2.100	2.060	2.770
>7.8 to 8 microns	0.230	0.219	0.211	0.206	0.276
>8 to 8.5 microns	0.551	0.524	0.506	0.493	0.661
>8.5 to 8.9 microns	0.422	0.402	0.389	0.379	0.507
>8.9 to 9.1 microns	0.212	0.202	0.197	0.191	0.255
>9.1 to 9.5 microns	0.410	0.391	0.382	0.370	0.494
>9.5 to 9.8 microns	0.296	0.282	0.276	0.268	0.357
>9.8 to 10.1 microns	0.287	0.274	0.268	0.260	0.347
>10.1 to 10.6 microns	0.484	0.463	0.458	0.443	0.587
>10.6 to 11.1 microns	0.462	0.442	0.437	0.422	0.560
>11.1 to 11.3 microns	0.179	0.171	0.169	0.164	0.217
>11.3 to 11.7 microns, Phi 6.5	0.349	0.334	0.333	0.321	0.423
>11.7 to 14 microns	1.820	1.740	1.780	1.700	2.220
>14 to 14.8 microns	0.572	0.547	0.569	0.543	0.701
>14.8 to 15.6 microns	0.552	0.527	0.558	0.530	0.678
>15.6 to 16 microns	0.270	0.257	0.276	0.261	0.332
>16 to 20 microns	2.420	2.300	2.530	2.380	2.990
>20 to 23 microns, Phi 5.5	1.590	1.500	1.740	1.610	1.980
>23 to 27 microns	1.980	1.840	2.240	2.050	2.470
>27 to 31 microns, Phi 5	1.950	1.780	2.250	2.040	2.410
>31 to 32 microns	0.505	0.454	0.588	0.526	0.619
>32 to 35.6 microns	1.850	1.650	2.140	1.910	2.240
>35.6 to 37 microns, Phi 4.75	0.763	0.675	0.884	0.783	0.912
>37 to 39.6 microns	1.400	1.240	1.620	1.430	1.660
>39.6 to 43.6 microns	2.480	2.190	2.830	2.490	2.860
>43.6 to 44 microns, Phi 4.5	0.236	0.208	0.268	0.236	0.272
>44 to 45 microns	0.591	0.522	0.671	0.592	0.680
>45 to 46.4 microns	1.040	0.926	1.150	1.020	1.150
>46.4 to 53 microns, Phi 4.25	4.800	4.300	5.280	4.660	5.230
>53 to 62.5 microns, Phi 4	7.820	7.220	8.260	7.410	8.040
>62.5 to 64 microns	1.280	1.210	1.320	1.200	1.280
>64 to 71.7 microns	6.650	6.440	6.700	6.200	6.410
>71.7 to 74 microns	1.970	1.950	1.950	1.840	1.860
>74 to 79.6 microns	4.680	4.720	4.560	4.370	4.320
>79.6 to 87.6 microns	6.400	6.630	6.090	5.990	5.730

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

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-20	E-21	E-23	E-25	E-26
	P414889 17-JAN-2008	P414895 17-JAN-2008	P414901 17-JAN-2008	P414907 17-JAN-2008	P414990 18-JAN-2008
>87.6 to 88 microns, Phi 3.5	0.304	0.316	0.290	0.285	0.273
>88 to 90 microns	1.480	1.580	1.380	1.410	1.280
>90 to 105 microns, Phi 3.25	9.810	10.700	9.050	9.520	8.360
>105 to 125 microns, Phi 3	9.220	10.300	8.400	9.470	7.580
>125 to 149 microns, Phi 2.75	6.530	7.360	6.040	7.250	5.260
>149 to 160 microns	1.730	1.940	1.650	2.060	1.390
>160 to 177 microns, Phi 2.5	1.960	2.170	1.900	2.410	1.570
>177 to 197 microns	1.290	1.400	1.300	1.680	1.050
>197 to 210 microns, Phi 2.25	0.511	0.546	0.534	0.687	0.419
>210 to 217 microns	0.221	0.234	0.236	0.302	0.182
>217 to 245 microns	0.618	0.644	0.670	0.854	0.512
>245 to 250 microns, Phi 2	0.076	0.078	0.085	0.107	0.064
>250 to 300 microns, Phi 1.75	0.469	0.469	0.533	0.662	0.397
>300 to 320 microns	0.085	0.081	0.100	0.119	0.074
>320 to 350 microns, Phi 1.5	0.109	0.104	0.128	0.152	0.089
>350 to 360 microns	0.024	0.023	0.029	0.033	0.013
>360 to 400 microns	0.079	0.073	0.103	0.119	0.040
>400 to 420 microns, Phi 1.25	0.000	0.000	0.037	0.041	0.000
>420 to 440 microns	0.000	0.000	0.035	0.039	0.000
>440 to 500 microns, Phi 1	0.000	0.000	0.020	0.022	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	ND	ND	ND
Totals:	100.024	100.039	100.000	100.002	100.017

*=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 (Sieve)
(all values are in percent distribution)

From 01-JAN-2008 to 31-DEC-2008

Analyte	E-2 P414775 16-JAN-2008
<63 microns, Phi<4	31.700
>63 to 125 microns, Phi>4	22.800
>125 to 250 microns, Phi>3	16.700
>250 to 500 microns, Phi>2	10.000
>500 to 1000 microns, Phi>1	7.930
>1000 to 2000 microns, Phi>0	4.880
>2000 microns, Phi>-1	5.930
Totals:	99.940

POINT LOMA WASTEWATER TREATMENT PLANT
OCEAN SEDIMENT ANNUAL SUMMARY
Total Organic Carbon/Total Nitrogen

From 01-JAN-2008 to 31-DEC-2008

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.083	0.074	0.055	0.058	0.068	0.062	0.056
Total Organic Carbon	.01	WT%	0.870	0.770	0.664	0.651	0.776	0.768	0.651

Analyte	MDL	Units	B-5	B-8	B-9	B-10	B-11	B-12	E-1
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.074	0.077	0.060	0.056	0.078	0.055	0.039
Total Organic Carbon	.01	WT%	1.040	0.852	0.926	2.320	3.510	3.990	0.449

Analyte	MDL	Units	E-2	E-3	E-5	E-7	E-8	E-9	E-11
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.041	0.028	0.044	0.054	0.043	0.062	0.047
Total Organic Carbon	.01	WT%	0.689	0.482	0.638	0.592	0.612	1.810	0.687

Analyte	MDL	Units	E-14	E-15	E-17	E-19	E-20	E-21	E-23
			Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.044	0.056	0.049	0.063	0.053	0.053	0.061
Total Organic Carbon	.01	WT%	0.657	0.785	0.546	0.709	0.620	0.611	0.685

Analyte	MDL	Units	E-25	E-26
			Avg 2008	Avg 2008
Total Nitrogen	.005	WT%	0.056	0.065
Total Organic Carbon	.01	WT%	0.719	0.741

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

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

From: 01-JAN-2008 to: 31-DEC-2008

Source:		A-2	A-5	A-8	A-9	A-15	A-16	B-3
Date:		2008	2008	2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	13300	14400	12900	12500	12700	11600	11200
Antimony	.3 MG/KG	0.41	0.48	0.41	0.41	ND	0.50	0.42
Arsenic	.33 MG/KG	3.97	4.37	3.98	4.21	4.05	4.14	4.34
Barium	.02 MG/KG	62.6	64.8	62.5	56.6	62.6	55.4	46.3
Beryllium	.01 MG/KG	0.217	0.229	0.212	0.194	ND	0.188	0.185
Cadmium	.06 MG/KG	0.24	0.20	0.18	0.20	0.20	0.19	0.14
Chromium	.1 MG/KG	22.1	20.4	20.0	19.3	20.7	18.8	17.7
Copper	.2 MG/KG	13.10	11.20	10.10	10.90	10.30	8.86	8.55
Iron	9 MG/KG	16700	16000	15700	14500	14500	14000	13600
Lead	.8 MG/KG	6.72	6.40	6.01	5.58	4.80	5.91	5.42
Manganese	.08 MG/KG	134.0	138.0	134.0	124.0	141.0	122.0	104.0
Mercury	.003 MG/KG	0.056	0.062	0.053	0.053	0.054	0.058	0.069
Nickel	.1 MG/KG	9.63	9.11	8.86	8.67	9.17	8.19	8.30
Selenium	.24 MG/KG	ND	ND	ND	ND	ND	ND	<0.24
Silver	.04 MG/KG	0.86	0.84	0.79	0.33	2.73	0.92	0.51
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	2.10	2.49	2.06	2.06	1.54	2.20	2.02
Zinc	.2 MG/KG	42.0	44.3	41.7	37.8	43.0	37.5	32.3

Source:		B-5	B-8	B-9	B-10	B-11	B-12	E-1
Date:		2008	2008	2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	13800	11000	9060	6740	11400	7780	9750
Antimony	.3 MG/KG	0.38	1.17	0.66	0.86	1.60	0.67	0.44
Arsenic	.33 MG/KG	5.13	3.94	4.03	3.31	4.64	5.21	3.15
Barium	.02 MG/KG	63.8	52.9	80.1	25.1	46.0	25.9	41.5
Beryllium	.01 MG/KG	0.248	ND	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.14	0.13	0.13	0.14	0.20	0.18	ND
Chromium	.1 MG/KG	23.7	23.4	24.5	20.2	26.4	26.8	15.6
Copper	.2 MG/KG	8.47	7.33	4.98	3.08	5.13	2.84	5.86
Iron	9 MG/KG	19200	17100	18400	15500	21500	23000	12000
Lead	.8 MG/KG	6.42	4.73	3.61	3.13	4.65	4.41	3.38
Manganese	.08 MG/KG	133.0	150.0	113.0	80.4	163.0	76.3	85.0
Mercury	.003 MG/KG	0.044	0.035	0.032	0.017	0.033	0.017	0.038
Nickel	.1 MG/KG	8.78	11.30	8.87	6.59	10.90	7.14	6.12
Selenium	.24 MG/KG	ND	ND	ND	0.28	0.35	ND	ND
Silver	.04 MG/KG	0.27	3.38	1.49	ND	1.27	0.04	2.73
Thallium	.5 MG/KG	ND	1.12	ND	ND	ND	ND	ND
Tin	.3 MG/KG	2.18	2.34	1.59	1.85	1.60	1.41	2.01
Zinc	.2 MG/KG	42.3	36.4	38.1	29.2	41.4	38.7	27.2

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

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

From: 01-JAN-2008 to: 31-DEC-2008

Source:		E-2	E-3	E-5	E-7	E-8	E-9	E-11
Date:		2008	2008	2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	11100	10600	10500	10700	7980	9240	7970
Antimony	.3 MG/KG	0.48	0.70	0.45	1.02	0.47	0.83	0.40
Arsenic	.33 MG/KG	2.85	2.45	2.41	2.85	2.82	2.66	3.38
Barium	.02 MG/KG	52.3	54.5	43.6	39.7	32.4	31.3	28.2
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.06	ND	0.09	0.21	0.12	0.13	0.13
Chromium	.1 MG/KG	17.1	14.8	17.2	17.4	15.1	20.6	14.5
Copper	.2 MG/KG	12.00	12.70	7.77	5.17	5.35	7.16	4.55
Iron	9 MG/KG	14900	13600	12900	12500	10500	14200	10200
Lead	.8 MG/KG	3.93	3.80	3.65	3.23	2.66	4.28	2.13
Manganese	.08 MG/KG	103.0	97.0	106.0	118.0	90.5	101.0	88.3
Mercury	.003 MG/KG	0.045	0.045	0.021	0.031	0.022	0.059	0.017
Nickel	.1 MG/KG	7.12	5.60	7.40	8.30	6.64	7.66	6.70
Selenium	.24 MG/KG	<0.24	ND	ND	0.30	ND	ND	ND
Silver	.04 MG/KG	2.44	2.95	2.34	1.15	1.78	1.32	1.78
Thallium	.5 MG/KG	ND	ND	<0.50	0.67	<0.50	ND	<0.50
Tin	.3 MG/KG	1.60	1.91	1.38	2.22	1.51	2.16	1.89
Zinc	.2 MG/KG	36.6	37.9	32.9	29.2	26.9	38.4	25.5

Source:		E-14	E-15	E-17	E-19	E-20	E-21	E-23
Date:		2008	2008	2008	2008	2008	2008	2008
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	2 MG/KG	7290	9330	8580	13100	9100	8050	10100
Antimony	.3 MG/KG	0.38	0.70	<0.30	0.93	0.42	0.87	0.58
Arsenic	.33 MG/KG	2.86	2.87	3.48	3.27	3.05	2.68	3.10
Barium	.02 MG/KG	29.1	32.1	32.2	52.1	37.6	30.3	41.1
Beryllium	.01 MG/KG	ND	ND	ND	ND	ND	ND	ND
Cadmium	.06 MG/KG	0.17	0.14	0.18	0.17	0.14	0.16	0.16
Chromium	.1 MG/KG	14.1	18.0	15.7	22.4	16.7	16.3	18.2
Copper	.2 MG/KG	5.07	5.05	6.23	6.71	6.00	4.55	6.60
Iron	9 MG/KG	9550	12300	11000	15500	11500	11000	12700
Lead	.8 MG/KG	2.06	3.07	2.63	4.12	2.74	2.87	3.30
Manganese	.08 MG/KG	83.3	106.0	92.5	151.0	101.0	98.7	111.0
Mercury	.003 MG/KG	0.022	0.027	0.027	0.034	0.030	0.026	0.032
Nickel	.1 MG/KG	6.58	8.23	7.26	10.90	7.92	7.76	8.76
Selenium	.24 MG/KG	<0.24	0.25	ND	ND	ND	<0.24	ND
Silver	.04 MG/KG	0.77	1.83	1.15	2.17	1.77	2.05	2.36
Thallium	.5 MG/KG	0.56	ND	<0.50	1.08	<0.50	ND	<0.50
Tin	.3 MG/KG	1.49	2.35	1.55	2.53	1.65	2.17	1.57
Zinc	.2 MG/KG	24.3	28.4	27.1	35.9	28.1	24.0	30.6

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

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

From: 01-JAN-2008 to: 31-DEC-2008

Source:			E-25	E-26
Date:			2008	2008
Analyte:	MDL Units		Average	Average
=====	====	=====	=====	=====
Aluminum	2 MG/KG		9030	9640
Antimony	.3 MG/KG		0.54	0.47
Arsenic	.33 MG/KG		3.30	3.19
Barium	.02 MG/KG		35.8	41.2
Beryllium	.01 MG/KG		ND	ND
Cadmium	.06 MG/KG		0.14	0.15
Chromium	.1 MG/KG		16.7	18.6
Copper	.2 MG/KG		5.51	6.47
Iron	9 MG/KG		11600	13000
Lead	.8 MG/KG		3.18	3.69
Manganese	.08 MG/KG		100.0	114.0
Mercury	.003 MG/KG		0.030	0.037
Nickel	.1 MG/KG		7.82	8.93
Selenium	.24 MG/KG		<0.24	ND
Silver	.04 MG/KG		1.82	2.41
Thallium	.5 MG/KG		ND	<0.50
Tin	.3 MG/KG		1.54	1.58
Zinc	.2 MG/KG		27.7	31.3

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

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

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
		2008	2008	2008	2008	2008	2008	2008	2008
		Average	Average	Average	Average	Average	Average	Average	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	520	E320	E390	690	500	560	ND	E130
p,-p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	ND	<700	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	520	0	0	690	500	560	0	0
Chlordane + related cmpds.	700 NG/KG	0	0	0	0	0	0	0	0
Chlorinated Hydrocarbons	700 NG/KG	520	0	0	690	500	560	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-2008 To 31-DEC-2008

Analyte	MDL	Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
			2008	2008	2008	2008	2008	2008	2008	2008
			Average	Average	Average	Average	Average	Average	Average	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	E140	<700	ND	ND	ND	ND	<700	ND
p,p-DDE	400	NG/KG	460	<400	E300	E390	<400	ND	<400	E310
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	<700	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	460	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	460	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-2008 To 31-DEC-2008

Analyte	MDL	Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
			2008	2008	2008	2008	2008	2008	2008	2008
			Average	Average	Average	Average	Average	Average	Average	Average
Aldrin	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	700	NG/KG	<700	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	E290	ND	E310	ND	ND	E310	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	<700	ND	ND	ND	ND	<700	ND	<700
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-2008 To 31-DEC-2008

Analyte	MDL	Units	E-19	E-20	E-21	E-23	E-25	E-26
			2008	2008	2008	2008	2008	2008
			Average	Average	Average	Average	Average	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	E370	ND	<400	ND	ND	ND
p,-p-DDMU		NG/KG	ND	ND	ND	ND	ND	ND
p,p-DDT	700	NG/KG	ND	ND	ND	<700	<700	<700
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

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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-2008 To 31-DEC-2008

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
			2008	2008	2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	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	E540	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	E120	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	E160	ND	ND	ND	ND
PCB 66	700	NG/KG	ND	ND	ND	E80	ND	ND	ND	ND
PCB 101	700	NG/KG	ND	ND	ND	780	ND	ND	ND	ND
PCB 99	700	NG/KG	ND	ND	ND	E180	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	E500	ND	ND	ND	ND
PCB 110	700	NG/KG	ND	ND	ND	920	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	E100	E120	E520	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	1200	ND	<700	ND	ND
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	E630	ND	ND	ND	ND
PCB 138	700	NG/KG	E230	E190	E210	990	ND	ND	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	E140	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	ND	E51	ND	<700	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	E260	ND	ND	ND	ND
PCB 167	700	NG/KG	ND	ND	ND	E79	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	E160	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	700	NG/KG	E350	ND	ND	470	ND	<400	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	4360	0	0	0	0

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

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

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
			2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 Avg	2008 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	E190
PCB 49	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	E200
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	E190
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	E290
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	ND	<700	E600
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	E280
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	E690
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	E25
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	E510
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	E200
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	ND	<700	E600
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	E750
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	E280
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	E120
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	E360
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	970
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	E64
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	700	NG/KG	ND	ND	ND	ND	ND	ND	<400	840
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	E250
===== Total PCB's	===== 1500	===== NG/KG	===== 0	===== 0	===== 0	===== 0	===== 0	===== 0	===== 0	===== 1810

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

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

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
			2008	2008	2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	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	E49	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	800	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	ND	ND	ND	E470	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	E120	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	E360	ND	ND	E73	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	E320	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	E150	ND	ND	ND	ND
PCB 138	700	NG/KG	ND	ND	ND	E370	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	1000	ND	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	ND	E350	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	E420	ND	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	ND	1500	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	E47	ND	ND	ND	ND
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	700	NG/KG	ND	ND	ND	1100	ND	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	E290	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	4400	0	0	0	0

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

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	E-19	E-20	E-21	E-23	E-25	E-26
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	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	E200	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	700	NG/KG	E48	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-2008 to 31-DEC-2008

Analyte	MDL	Units	B-3	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3	E-5	E-7	E-8	E-9
			2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	E6	ND	ND
Acenaphthylene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	40	UG/KG	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	136	<34	E33	ND	37
Benzo[A]pyrene	55	UG/KG	ND	ND	ND	ND	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	169	ND	ND	ND	ND
Benzo[e]pyrene	73	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	66	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	E153	ND	ND	ND	ND
Biphenyl	89	UG/KG	ND	ND	<89	ND	E7	ND	ND	<89	ND	ND	E16	<89	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	110	38	43	ND	ND
Dibenzo(A,H)anthracene	50	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	40	UG/KG	ND	ND	ND	ND	ND	ND	35	ND	<24	ND	E20	ND	ND
Fluorene	40	UG/KG	ND	ND	ND	ND	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	ND	ND	ND	ND
1-methylphenanthrene	41	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<41	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	<102	ND	E22	ND	E5
1-methylnaphthalene	70	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	E19	ND	ND
Naphthalene	40	UG/KG	ND	E17	ND	E20	ND	<21	E19	ND	E16	<21	59	ND	ND
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	40	UG/KG	ND	ND	ND	ND	ND	ND	E28	ND	ND	ND	ND	ND	E15
Pyrene	40	UG/KG	ND	ND	ND	ND	ND	ND	44	<35	66	<35	E28	ND	E28
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	0	17	0	20	7	0	146	0	650	38	246	0	85

Analyte	MDL	Units	E-11	E-14	E-15	E-17	E-19	E-20	E-21	E-23	E-25	E-26
			2008	2008	2008	2008	2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
Acenaphthene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	55	UG/KG	ND	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	ND
Benzo[e]pyrene	73	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	66	UG/KG	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
Biphenyl	89	UG/KG	ND	ND	E13	<89	ND	<89	ND	<89	<89	ND
Chrysene	36	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	50	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	106	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	40	UG/KG	ND	ND	ND	ND	E11	ND	ND	ND	ND	ND
Fluorene	40	UG/KG	ND	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	ND
1-methylphenanthrene	41	UG/KG	ND	ND	E19	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	102	UG/KG	ND	ND	E10	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	70	UG/KG	ND	ND	E11	ND	ND	ND	ND	ND	ND	ND
Naphthalene	40	UG/KG	ND	ND	35	ND	ND	<21	ND	<21	ND	ND
Perylene	58	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	134	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	134	UG/KG	0	0	88	0	11	0	0	0	0	0

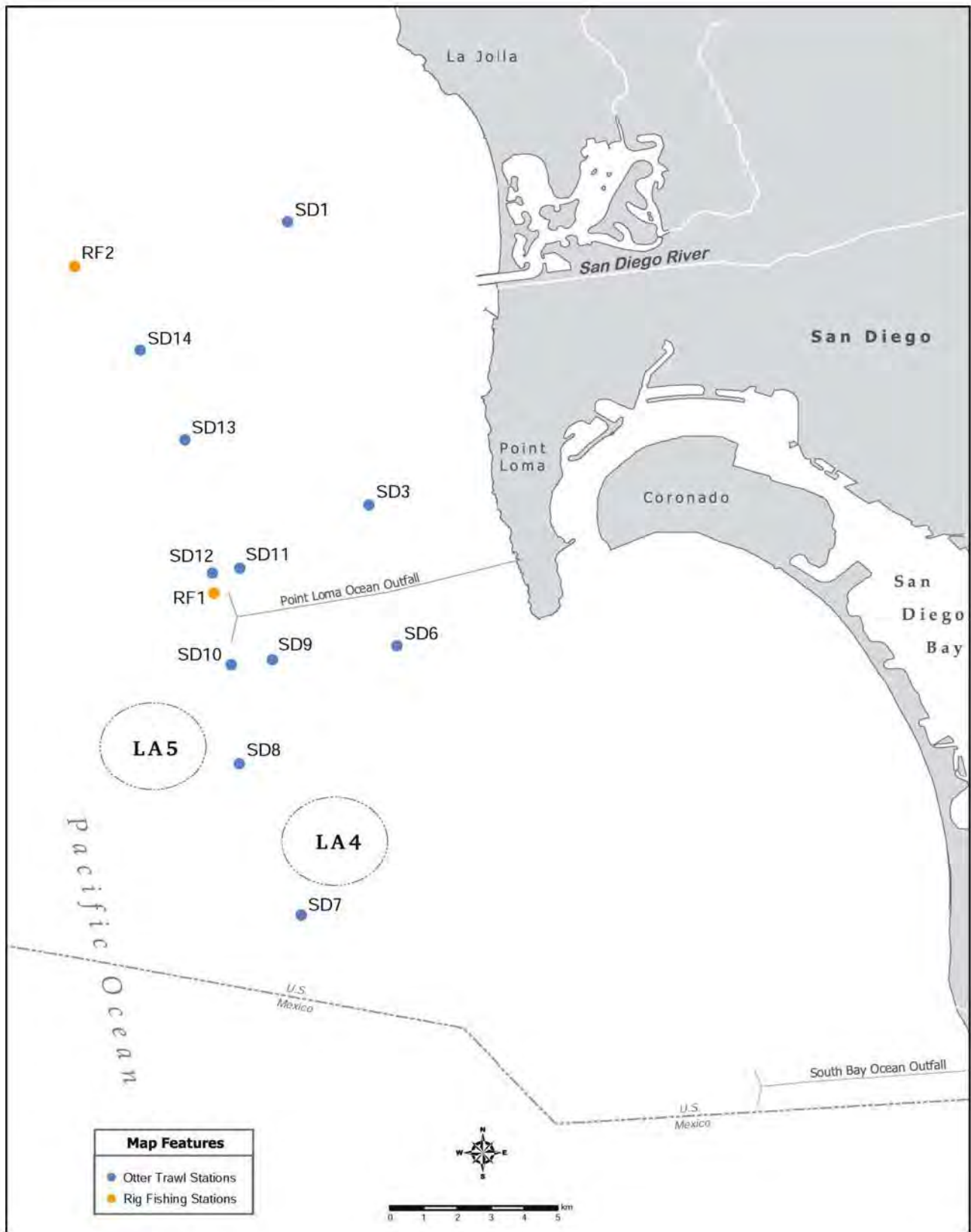
nd=not detected; NS=not sampled; NA=not analyzed

B. Fish Tissue Data.

Fish were taken from the stations shown in the below tables during 2007. The fish were dissected, preserved by freezing, and each sample analyzed for trace metals, chlorinated pesticides, PCBs, Lipids, and total solids.

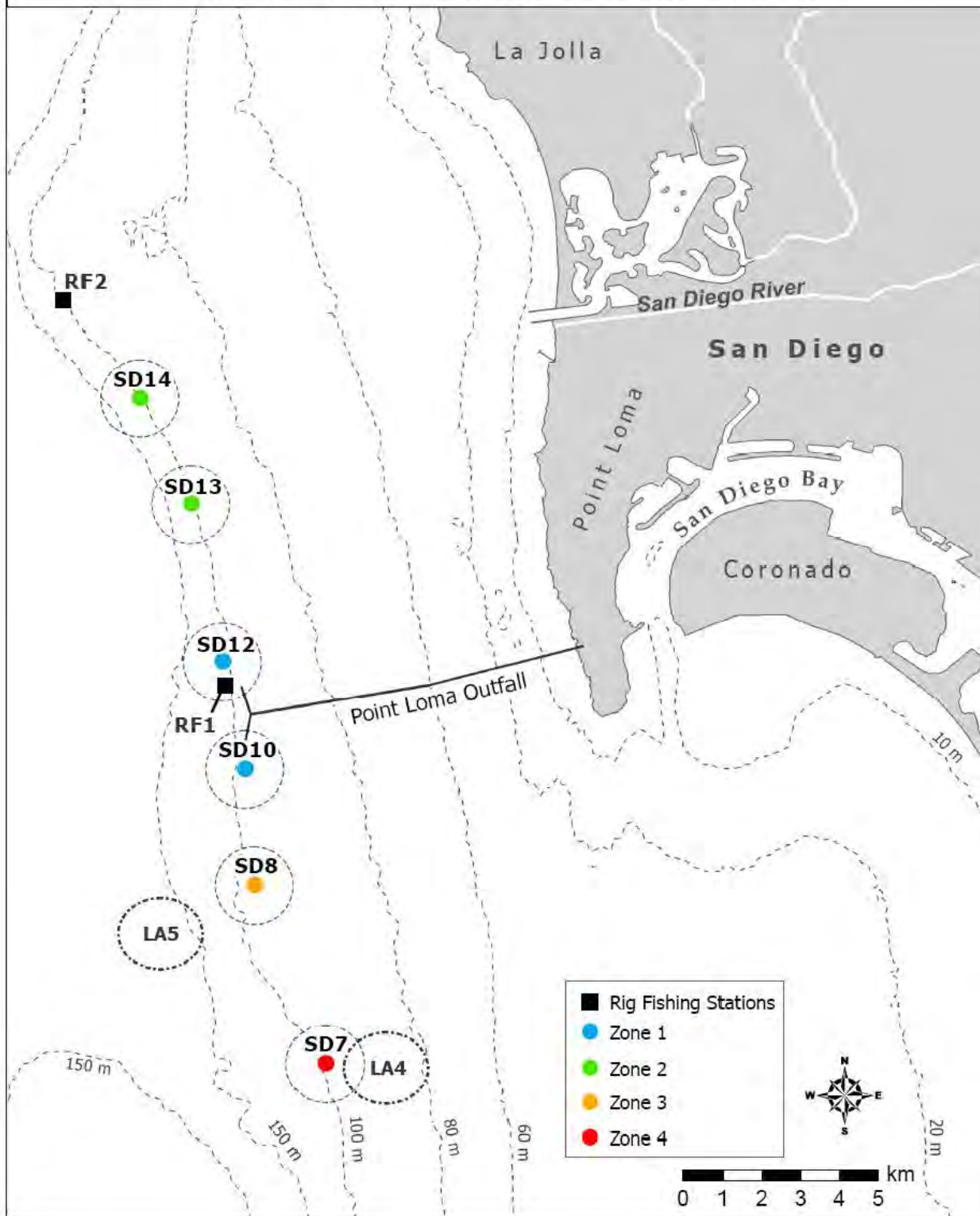
The reported values are annual averages. Results for individual sampling events are contained in the previously published quarterly reports.

<u>Station</u>	<u>Matrix</u>	<u>Station</u>	<u>Matrix</u>
RF-1	FISH_MUSCLE	TFZONE1 (SD-10 & 12)	FISH_LIVER
RF-2	FISH_MUSCLE	TFZONE2 (SD-13 & 14)	FISH_LIVER
		TFZONE3 (SD-8)	FISH_LIVER
		TFZONE4 (SD-7)	FISH_LIVER



San Diego Rig Fishing and Trawl Stations

Point Loma Rig Fishing and Trawl Stations



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

POINT LOMA WASTEWATER TREATMENT PLANT
 Annual Fish Tissue - Muscle/Liver

FISH - Lipids & Total Solids

From 01-JAN-2008 To 31-DEC-2008

Tissue Analyte	MDL	Units	RF-1	RF-2	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2008	2008	2008	2008	2008	2008
			Avg	Avg	Avg	Avg	Avg	Avg
Liver Lipids	.005	WT%			30.5	44.3	40.7	43.4
Liver Total Solids	.4	WT%			46.8	59.9	55.4	56.0
Muscle Lipids	.005	WT%	0.33	0.44				
Muscle Total Solids	.4	WT%	22.3	22.1				

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

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

From: 01-JAN-2008 To: 31-DEC-2008

Source:			TFZONE1	TFZONE2	TFZONE3	TFZONE4
Date:			2008	2008	2008	2008
Analyte:	MDL	Units	Average	Average	Average	Average
=====	====	=====	=====	=====	=====	=====
Aluminum	3	MG/KG	ND	5.89	14.70	17.20
Antimony	.2	MG/KG	0.21	0.30	0.30	0.38
Arsenic	.24	MG/KG	4.33	2.40	2.50	2.20
Beryllium	.006	MG/KG	ND	0.03	ND	ND
Cadmium	.06	MG/KG	4.43	4.39	5.54	8.48
Chromium	.1	MG/KG	0.28	0.31	0.33	0.33
Copper	.1	MG/KG	6.52	5.71	6.06	8.65
Iron	2	MG/KG	110	72	70	109
Lead	.2	MG/KG	0.86	0.28	<0.20	<0.20
Manganese	.1	MG/KG	0.86	0.81	1.00	1.08
Mercury	.03	MG/KG	0.067	0.044	0.092	0.165
Nickel	.2	MG/KG	0.33	<0.20	<0.20	ND
Selenium	.06	MG/KG	1.19	0.78	0.78	0.78
Silver	.05	MG/KG	0.05	0.09	ND	<0.05
Thallium	.4	MG/KG	0.42	0.46	<0.40	<0.40
Tin	.2	MG/KG	3.83	4.60	4.52	4.47
Zinc	.15	MG/KG	38.7	29.2	31.9	37.1
Total Solids	.4	WT%	46.8	59.9	55.4	56.0

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

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

From: 01-JAN-2008 To: 31-DEC-2008

Source:			RF-1	RF-2
Date:			2008	2008
Analyte:	MDL	Units	Average	Average
=====	====	=====	=====	=====
Aluminum	3	MG/KG	ND	<3.00
Antimony	.2	MG/KG	<0.20	0.22
Arsenic	.24	MG/KG	3.20	1.40
Beryllium	.006	MG/KG	0.01	ND
Cadmium	.06	MG/KG	<0.06	ND
Chromium	.1	MG/KG	0.16	0.16
Copper	.1	MG/KG	0.83	0.89
Iron	2	MG/KG	4.27	6.13
Lead	.2	MG/KG	ND	ND
Manganese	.1	MG/KG	0.16	0.20
Mercury	.03	MG/KG	0.198	0.179
Nickel	.2	MG/KG	ND	ND
Selenium	.06	MG/KG	0.433	0.361
Silver	.05	MG/KG	ND	<0.05
Thallium	.4	MG/KG	<0.40	0.70
Tin	.2	MG/KG	1.81	2.04
Zinc	.15	MG/KG	5.04	3.39
Total Solids	.4	WT%	22.3	22.1

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH LIVER - Chlorinated Pesticides

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2008	2008	2008	2008
			Avg	Avg	Avg	Avg
Hexachlorobenzene	13.3	UG/KG	<13.3	<13.3	E5.1	E5.9
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	13.3	UG/KG	ND	<13.3	ND	<13.3
Alpha Endosulfan	167	UG/KG	ND	ND	ND	ND
Alpha (cis) Chlordane	13.3	UG/KG	ND	ND	ND	ND
Trans Nonachlor	13.3	UG/KG	<13.3	ND	ND	<13.3
p,p-DDE	13.3	UG/KG	284.0	527.0	380.0	418.0
p,-p-DDMU	13.3	UG/KG	<13.3	E19.7	E14.3	<13.3
Dieldrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDD	13.3	UG/KG	ND	ND	ND	ND
Endrin	13.3	UG/KG	ND	ND	ND	ND
o,p-DDT	13.3	UG/KG	ND	ND	ND	ND
p,p-DDD	13.3	UG/KG	<13.3	<13.3	ND	<13.3
p,p-DDT	13.3	UG/KG	<13.3	<13.3	ND	<13.3
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-2008 To 31-DEC-2008

Analyte	MDL	Units	RF-1	RF-2
			2008	2008
			Avg	Avg
Hexachlorobenzene	1.33	UG/KG	E5.1	<1.3
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	ND	ND
Alpha Endosulfan	33	UG/KG	ND	ND
Alpha (cis) Chlordane	2	UG/KG	ND	ND
Trans Nonachlor	2	UG/KG	ND	ND
p,p-DDE	1.33	UG/KG	E5.6	6.9
p,-p-DDMU	1.33	UG/KG	ND	ND
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	ND	ND
p,p-DDT	1.33	UG/KG	ND	ND
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 - Poly Chlorinated Biphenyls (PCB's)

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2008	2008	2008	2008
			Avg	Avg	Avg	Avg
PCB 18	33.3	UG/KG	ND	ND	ND	ND
PCB 28	13.3	UG/KG	ND	ND	ND	ND
PCB 49	13.3	UG/KG	<13.3	<13.3	E4.5	<13.3
PCB 37	13.3	UG/KG	ND	ND	ND	ND
PCB 70	13.3	UG/KG	<13.3	E2.4	<13.3	<13.3
PCB 101	13.3	UG/KG	E7.4	E9.6	E18.3	<13.3
PCB 119	13.3	UG/KG	ND	ND	ND	ND
PCB 87	13.3	UG/KG	ND	ND	ND	ND
PCB 110	13.3	UG/KG	<13.3	<13.3	E18.7	<13.3
PCB 151	13.3	UG/KG	<13.3	<13.3	E8.3	E4.8
PCB 77	13.3	UG/KG	ND	ND	ND	ND
PCB 149	13.3	UG/KG	E5.6	<13.3	E13.5	E7.9
PCB 123	13.3	UG/KG	ND	ND	ND	ND
PCB 118	13.3	UG/KG	E15.0	15.3	33.7	E19.1
PCB 114	13.3	UG/KG	ND	ND	ND	ND
PCB 153/168	13.3	UG/KG	34.3	41.7	76.3	44.5
PCB 105	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3
PCB 138	13.3	UG/KG	E24.5	30.3	37.0	E28.4
PCB 158	13.3	UG/KG	ND	<13.3	<13.3	<13.3
PCB 187	13.3	UG/KG	E13.9	E16.3	28.7	E16.1
PCB 183		UG/KG	E4.2	E4.2	E7.1	E5.3
PCB 126	13.3	UG/KG	ND	ND	ND	ND
PCB 128	13.3	UG/KG	<13.3	E5.3	<13.3	<13.3
PCB 167	13.3	UG/KG	ND	ND	<13.3	<13.3
PCB 177	13.3	UG/KG	<13.3	<13.3	<13.3	<13.3
PCB 156	13.3	UG/KG	ND	ND	<13.3	ND
PCB 157	13.3	UG/KG	ND	ND	ND	ND
PCB 180	13.3	UG/KG	E16.2	E17.7	27.3	E18.9
PCB 170	13.3	UG/KG	<13.3	E6.4	<13.3	<13.3
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	E4.4	<13.3	E6.3	<13.3
PCB 206	13.3	UG/KG	<13.3	<13.3	<13.3	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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL FISH MUSCLE - Poly Chlorinated Biphenyls (PCB's)

From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	RF-1	RF-2
			2008	2008
=====	=====	=====	=====	=====
			Avg	Avg
PCB 18	1.33	UG/KG	ND	ND
PCB 28	1.33	UG/KG	ND	ND
PCB 49	1.33	UG/KG	ND	ND
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	ND	ND
PCB 151	1.33	UG/KG	ND	ND
PCB 77	1.33	UG/KG	ND	ND
PCB 149	1.33	UG/KG	ND	ND
PCB 123	1.33	UG/KG	ND	ND
PCB 118	1.33	UG/KG	ND	ND
PCB 114	1.33	UG/KG	ND	ND
PCB 153/168	1.33	UG/KG	<1.3	ND
PCB 105	1.33	UG/KG	ND	ND
PCB 138	1.33	UG/KG	<1.3	<1.3
PCB 158	1.33	UG/KG	ND	ND
PCB 187	1.33	UG/KG	ND	ND
PCB 183	1.33	UG/KG	ND	ND
PCB 126	1.33	UG/KG	ND	ND
PCB 128	1.33	UG/KG	ND	ND
PCB 167	1.33	UG/KG	ND	ND
PCB 177	1.33	UG/KG	ND	ND
PCB 156	1.33	UG/KG	ND	ND
PCB 157	1.33	UG/KG	ND	ND
PCB 180	1.33	UG/KG	<1.3	<1.3
PCB 170	1.33	UG/KG	ND	ND
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	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

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