

- 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<sup>14</sup>:

##### 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<sup>2</sup> 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.

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<sup>14</sup> 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.

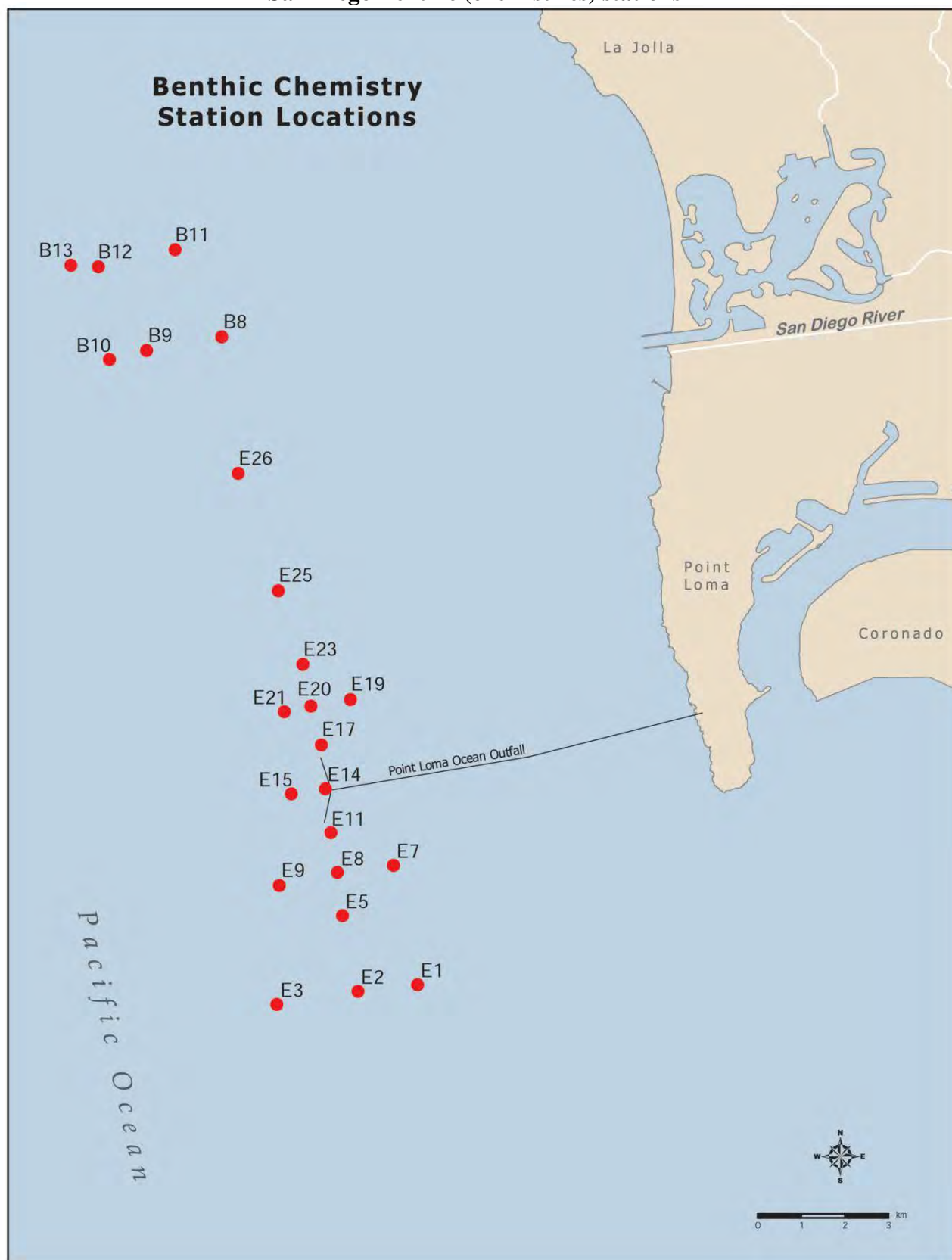
Chemistries for benthic sediments for 22 "Core Stations" are identified in the following table.

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	

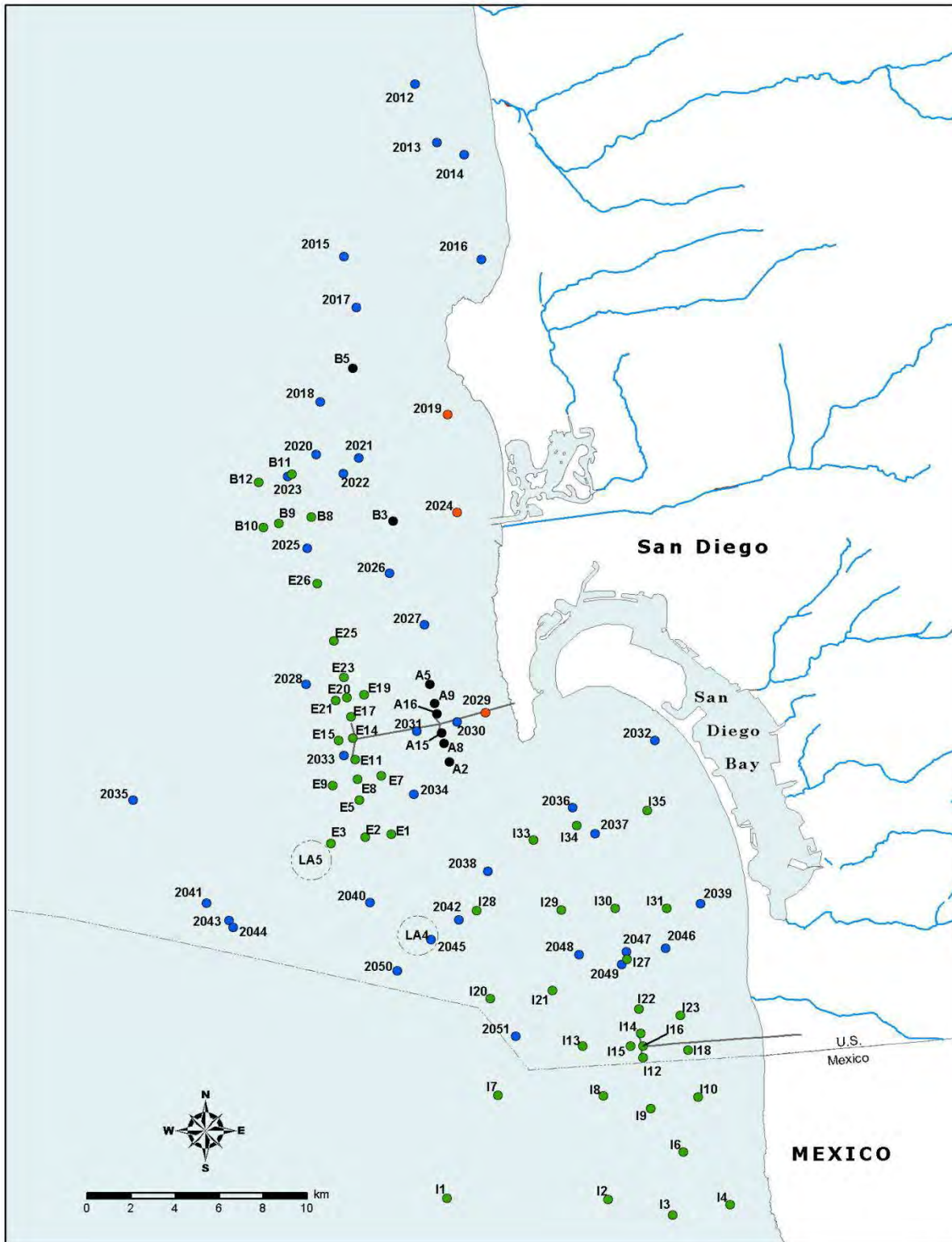
NPDES Permit No. CA 0107409/SDRWQCB Order No. R9-2002-0025 was modified in 2005 to incorporate 8 "Recovery Stations" (listed in following table) in the regular monitoring program as an on-going special study. The suite of analyses is not inclusive, e.g. BOD and PAHs are not a required part of the monitoring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

ANNUAL 2010

Biochemical Oxygen Demand  
(mg/Kg)

STATION DATE	First Quarter	Third Quarter	Average of All Quarters
B-8	399	355	377
B-9	313	270	292
B-10	407	349	378
B-11	390	402	396
B-12	474	370	422
E-1	304	311	308
E-2	354	209	282
E-3	156	245	201
E-5	225	339	282
E-7	399	409	404
E-8	256	171	214
E-9	307	240	274
E-11	436	980	708
E-14	361	368	365
E-15	268	298	283
E-17	331	298	315
E-19	359	438	399
E-20	247	382	315
E-21	231	525	378
E-23	288	403	346
E-25	261	328	295
E-26	275	514	395

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2010 To 31-DEC-2010

Sulfides, Total  
(mg/Kg)

STATION	DATE	First Quarter	Third Quarter	Average of All Quarters
=====	=====	=====	=====	=====
A-2		NS	9.0	9.0
A-5		NS	27.8	27.8
A-8		NS	5.5	5.5
A-9		NS	9.0	9.0
A-15		NS	4.7	4.7
A-16		NS	23.9	23.9
B-3		NS	0.9	0.9
B-5		NS	5.0	5.0
B-8		0.5	1.3	0.9
B-9		0.4	1.8	1.1
B-10		1.1	8.6	4.9
B-11		1.8	3.3	2.6
B-12		2.0	0.7	1.4
E-1		2.3	7.7	5.0
E-2		2.0	4.0	3.0
E-3		1.3	6.7	4.0
E-5		1.2	8.9	5.1
E-7		0.6	3.1	1.9
E-8		0.5	3.3	1.9
E-9		1.6	4.7	3.2
E-11		6.1	15.4	10.8
E-14		2.9	16.5	9.7
E-15		1.2	2.8	2.0
E-17		18.4	12.0	15.2
E-19		2.5	4.6	3.6
E-20		4.7	7.1	5.9
E-21		5.9	5.1	5.5
E-23		0.5	3.4	2.0
E-25		0.9	2.6	1.8
E-26		0.9	16.8	8.9

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

POINT LOMA WASTEWATER TREATMENT PLANT

OCEAN SEDIMENT ANNUAL

From 01-JAN-2010 To 31-DEC-2010

Total Volatile Solids  
(% Weight)

STATION	DATE	First Quarter	Third Quarter	Average of All Quarters
A-2		NS	2.4	2.4
A-5		NS	3.3	3.3
A-8		NS	2.6	2.6
A-9		NS	2.7	2.7
A-15		NS	2.6	2.6
A-16		NS	2.6	2.6
B-3		NS	2.5	2.5
B-5		NS	3.3	3.3
B-8		3.1	3.0	3.1
B-9		2.7	3.1	2.9
B-10		2.3	2.8	2.6
B-11		3.7	4.3	4.0
B-12		3.1	3.0	3.1
E-1		2.4	2.1	2.3
E-2		2.6	2.4	2.5
E-3		1.7	1.9	1.8
E-5		2.2	2.1	2.2
E-7		2.5	2.3	2.4
E-8		1.8	1.9	1.9
E-9		2.7	2.3	2.5
E-11		2.0	2.0	2.0
E-14		1.7	1.3	1.5
E-15		2.2	2.3	2.3
E-17		2.0	1.9	2.0
E-19		2.6	2.6	2.6
E-20		2.0	2.0	2.0
E-21		2.1	2.3	2.2
E-23		2.3	2.3	2.3
E-25		2.1	2.5	2.3
E-26		2.6	2.5	2.6

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

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

ANNUAL 2010

Analyte	MDL Units	A-2	A-5	A-8	A-9	A-15
		P528133 27-JUL-2010	P526814 15-JUL-2010	P528138 27-JUL-2010	P528143 27-JUL-2010	P528121 27-JUL-2010
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.477	0.000	0.098	0.000
>1 to 1.5 microns, Phi 9.5		0.378	0.563	0.382	0.410	0.379
>1.5 to 2 microns, Phi 9		0.448	0.660	0.457	0.478	0.463
>2.0 to 2.4 microns		0.406	0.588	0.416	0.429	0.428
>2.4 to 2.9 microns, Phi 8.5		0.540	0.767	0.553	0.564	0.577
>2.9 to 3.4 microns		0.569	0.791	0.580	0.587	0.613
>3.4 to 3.9 microns, Phi 8		0.624	0.852	0.635	0.636	0.679
>3.9 to 4 microns		0.131	0.177	0.132	0.132	0.143
>4.0 to 4.3 microns		0.375	0.507	0.381	0.378	0.410
>4.3 to 4.5 microns		0.242	0.326	0.245	0.244	0.264
>4.5 to 5 microns		0.649	0.866	0.656	0.647	0.713
>5 to 5.5 microns		0.645	0.861	0.652	0.640	0.711
>5.5 to 5.7 microns		0.249	0.332	0.252	0.247	0.275
>5.7 to 5.9 microns, Phi 7.5		0.246	0.327	0.248	0.243	0.271
>5.9 to 7.8 microns, Phi 7		2.320	3.080	2.340	2.270	2.570
>7.8 to 8 microns		0.237	0.318	0.239	0.232	0.262
>8 to 8.5 microns		0.568	0.761	0.573	0.554	0.627
>8.5 to 8.9 microns		0.437	0.587	0.441	0.427	0.482
>8.9 to 9.1 microns		0.222	0.302	0.225	0.218	0.245
>9.1 to 9.5 microns		0.430	0.584	0.436	0.422	0.475
>9.5 to 9.8 microns		0.311	0.422	0.315	0.305	0.343
>9.8 to 10.1 microns		0.302	0.409	0.306	0.296	0.333
>10.1 to 10.6 microns		0.519	0.713	0.528	0.510	0.572
>10.6 to 11.1 microns		0.495	0.680	0.504	0.486	0.546
>11.1 to 11.3 microns		0.192	0.264	0.195	0.188	0.212
>11.3 to 11.7 microns, Phi 6.5		0.376	0.520	0.383	0.371	0.414
>11.7 to 14 microns		1.990	2.800	2.040	1.990	2.180
>14 to 14.8 microns		0.632	0.903	0.653	0.639	0.692
>14.8 to 15.6 microns		0.611	0.885	0.636	0.626	0.669
>15.6 to 16 microns		0.300	0.438	0.313	0.311	0.327
>16 to 20 microns		2.690	4.010	2.840	2.840	2.930
>20 to 23 microns, Phi 5.5		1.770	2.740	1.900	1.950	1.910
>23 to 27 microns		2.170	3.470	2.380	2.520	2.330
>27 to 31 microns, Phi 5		2.070	3.350	2.300	2.520	2.210
>31 to 32 microns		0.520	0.842	0.584	0.653	0.554
>32 to 35.6 microns		1.860	2.980	2.100	2.370	1.980
>35.6 to 37 microns, Phi 4.75		0.750	1.170	0.846	0.972	0.796
>37 to 39.6 microns		1.370	2.110	1.540	1.770	1.450
>39.6 to 43.6 microns		2.350	3.410	2.640	3.070	2.480
>43.6 to 44 microns, Phi 4.5		0.223	0.324	0.250	0.291	0.235
>44 to 45 microns		0.559	0.805	0.625	0.728	0.588
>45 to 46.4 microns		0.963	1.260	1.060	1.230	1.000
>46.4 to 53 microns, Phi 4.25		4.440	5.630	4.870	5.620	4.610
>53 to 62.5 microns, Phi 4		7.220	7.840	7.670	8.590	7.350
>62.5 to 64 microns		1.190	1.180	1.240	1.360	1.190
>64 to 71.7 microns		6.200	5.650	6.320	6.730	6.150
>71.7 to 74 microns		1.850	1.570	1.850	1.930	1.820
>74 to 79.6 microns		4.410	3.540	4.350	4.430	4.290
>79.6 to 87.6 microns		6.060	4.460	5.850	5.760	5.810



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

ANNUAL 2010

Analyte	MDL Units	A-2	A-5	A-8	A-9	A-15
		P528133 27-JUL-2010	P526814 15-JUL-2010	P528138 27-JUL-2010	P528143 27-JUL-2010	P528121 27-JUL-2010
>87.6 to 88 microns, Phi 3.5		0.288	0.212	0.278	0.274	0.276
>88 to 90 microns		1.410	0.958	1.330	1.260	1.330
>90 to 105 microns, Phi 3.25		9.430	6.080	8.790	8.110	8.850
>105 to 125 microns, Phi 3		9.110	5.420	8.330	7.290	8.430
>125 to 149 microns, Phi 2.75		6.830	3.920	6.200	5.230	6.270
>149 to 160 microns		1.930	1.110	1.760	1.460	1.780
>160 to 177 microns, Phi 2.5		2.260	1.310	2.070	1.710	2.080
>177 to 197 microns		1.590	0.950	1.460	1.220	1.470
>197 to 210 microns, Phi 2.25		0.659	0.405	0.608	0.513	0.616
>210 to 217 microns		0.292	0.182	0.270	0.229	0.274
>217 to 245 microns		0.829	0.531	0.769	0.664	0.786
>245 to 250 microns, Phi 2		0.105	0.069	0.097	0.086	0.100
>250 to 300 microns, Phi 1.75		0.653	0.448	0.609	0.553	0.638
>300 to 320 microns		0.119	0.088	0.112	0.108	0.120
>320 to 350 microns, Phi 1.5		0.151	0.113	0.142	0.138	0.153
>350 to 360 microns		0.033	0.026	0.031	0.031	0.034
>360 to 400 microns		0.119	0.083	0.113	0.113	0.122
>400 to 420 microns, Phi 1.25		0.041	0.000	0.040	0.040	0.043
>420 to 440 microns		0.039	0.000	0.038	0.038	0.041
>440 to 500 microns, Phi 1		0.022	0.000	0.021	0.021	0.023
>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:		100.019	100.006	99.999	100.000	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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	A-16	B-3	B-8	B-8	B-9
		P528125 27-JUL-2010	P526558 13-JUL-2010	P504591 13-JAN-2010	P526575 13-JUL-2010	P504595 13-JAN-2010
<0.500 microns, Phi 11		0.000	0.000	0.046	0.000	0.091
>0.5 to 1 microns, Phi 10		0.000	0.211	0.595	0.229	0.596
>1 to 1.5 microns, Phi 9.5		0.403	0.463	0.515	0.531	0.484
>1.5 to 2 microns, Phi 9		0.489	0.547	0.600	0.659	0.555
>2.0 to 2.4 microns		0.448	0.494	0.546	0.608	0.506
>2.4 to 2.9 microns, Phi 8.5		0.599	0.654	0.731	0.810	0.681
>2.9 to 3.4 microns		0.632	0.685	0.774	0.849	0.726
>3.4 to 3.9 microns, Phi 8		0.695	0.748	0.855	0.930	0.807
>3.9 to 4 microns		0.145	0.157	0.179	0.194	0.169
>4.0 to 4.3 microns		0.417	0.450	0.513	0.556	0.484
>4.3 to 4.5 microns		0.269	0.290	0.331	0.358	0.313
>4.5 to 5 microns		0.722	0.778	0.889	0.959	0.842
>5 to 5.5 microns		0.719	0.776	0.884	0.954	0.832
>5.5 to 5.7 microns		0.278	0.300	0.342	0.369	0.321
>5.7 to 5.9 microns, Phi 7.5		0.274	0.296	0.336	0.363	0.316
>5.9 to 7.8 microns, Phi 7		2.590	2.810	3.180	3.430	2.950
>7.8 to 8 microns		0.265	0.289	0.326	0.353	0.295
>8 to 8.5 microns		0.635	0.692	0.781	0.845	0.706
>8.5 to 8.9 microns		0.489	0.533	0.602	0.651	0.541
>8.9 to 9.1 microns		0.249	0.273	0.308	0.334	0.271
>9.1 to 9.5 microns		0.482	0.528	0.596	0.646	0.525
>9.5 to 9.8 microns		0.349	0.381	0.431	0.467	0.380
>9.8 to 10.1 microns		0.338	0.370	0.419	0.453	0.368
>10.1 to 10.6 microns		0.584	0.641	0.725	0.786	0.622
>10.6 to 11.1 microns		0.557	0.611	0.692	0.750	0.594
>11.1 to 11.3 microns		0.216	0.237	0.268	0.291	0.230
>11.3 to 11.7 microns, Phi 6.5		0.423	0.465	0.528	0.572	0.447
>11.7 to 14 microns		2.240	2.470	2.830	3.060	2.310
>14 to 14.8 microns		0.715	0.788	0.912	0.984	0.726
>14.8 to 15.6 microns		0.693	0.763	0.895	0.962	0.695
>15.6 to 16 microns		0.340	0.374	0.444	0.475	0.337
>16 to 20 microns		3.070	3.370	4.070	4.330	2.990
>20 to 23 microns, Phi 5.5		2.020	2.220	2.800	2.940	1.910
>23 to 27 microns		2.480	2.700	3.590	3.700	2.310
>27 to 31 microns, Phi 5		2.360	2.550	3.560	3.600	2.190
>31 to 32 microns		0.591	0.633	0.916	0.911	0.551
>32 to 35.6 microns		2.110	2.240	3.280	3.240	1.970
>35.6 to 37 microns, Phi 4.75		0.842	0.888	1.320	1.280	0.793
>37 to 39.6 microns		1.530	1.610	2.390	2.320	1.440
>39.6 to 43.6 microns		2.600	2.670	3.940	3.760	2.460
>43.6 to 44 microns, Phi 4.5		0.246	0.254	0.374	0.357	0.233
>44 to 45 microns		0.616	0.633	0.929	0.887	0.583
>45 to 46.4 microns		1.040	1.040	1.460	1.380	0.983
>46.4 to 53 microns, Phi 4.25		4.750	4.700	6.460	6.120	4.490
>53 to 62.5 microns, Phi 4		7.440	7.090	8.690	8.280	7.010
>62.5 to 64 microns		1.200	1.120	1.270	1.220	1.130
>64 to 71.7 microns		6.100	5.640	5.900	5.710	5.760
>71.7 to 74 microns		1.790	1.640	1.600	1.560	1.690
>74 to 79.6 microns		4.190	3.840	3.520	3.440	4.000
>79.6 to 87.6 microns		5.610	5.140	4.260	4.200	5.420

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

ANNUAL 2010

Analyte	MDL Units	A-16	B-3	B-8	B-8	B-9
		P528125 27-JUL-2010	P526558 13-JUL-2010	P504591 13-JAN-2010	P526575 13-JUL-2010	P504595 13-JAN-2010
>87.6 to 88 microns, Phi 3.5		0.267	0.245	0.203	0.200	0.258
>88 to 90 microns		1.280	1.190	0.878	0.869	1.260
>90 to 105 microns, Phi 3.25		8.400	7.900	5.390	5.350	8.380
>105 to 125 microns, Phi 3		7.970	7.760	4.460	4.430	8.120
>125 to 149 microns, Phi 2.75		5.980	5.960	3.000	2.950	6.140
>149 to 160 microns		1.720	1.710	0.806	0.786	1.760
>160 to 177 microns, Phi 2.5		2.040	2.020	0.930	0.902	2.070
>177 to 197 microns		1.480	1.420	0.654	0.630	1.470
>197 to 210 microns, Phi 2.25		0.627	0.590	0.276	0.266	0.615
>210 to 217 microns		0.281	0.261	0.124	0.119	0.274
>217 to 245 microns		0.812	0.744	0.361	0.348	0.782
>245 to 250 microns, Phi 2		0.104	0.094	0.047	0.046	0.099
>250 to 300 microns, Phi 1.75		0.665	0.590	0.310	0.303	0.621
>300 to 320 microns		0.125	0.109	0.064	0.064	0.113
>320 to 350 microns, Phi 1.5		0.159	0.139	0.077	0.071	0.144
>350 to 360 microns		0.035	0.031	0.011	0.000	0.031
>360 to 400 microns		0.126	0.110	0.034	0.000	0.113
>400 to 420 microns, Phi 1.25		0.044	0.039	0.000	0.000	0.039
>420 to 440 microns		0.042	0.037	0.000	0.000	0.037
>440 to 500 microns, Phi 1		0.023	0.021	0.000	0.000	0.021
>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:		100.020	100.022	100.027	99.997	99.980

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	B-9	B-10	B-10	B-11	B-12
		P526727	P504571	P526721	P504579	P504585
		14-JUL-2010	13-JAN-2010	14-JUL-2010	13-JAN-2010	13-JAN-2010
<0.500 microns, Phi 11		0.000	0.000	0.000	0.309	0.000
>0.5 to 1 microns, Phi 10		0.000	0.000	0.000	0.806	0.101
>1 to 1.5 microns, Phi 9.5		0.426	0.217	0.383	0.666	0.407
>1.5 to 2 microns, Phi 9		0.552	0.371	0.482	0.766	0.491
>2.0 to 2.4 microns		0.526	0.356	0.453	0.697	0.467
>2.4 to 2.9 microns, Phi 8.5		0.718	0.501	0.613	0.940	0.652
>2.9 to 3.4 microns		0.769	0.556	0.651	1.000	0.719
>3.4 to 3.9 microns, Phi 8		0.862	0.643	0.724	1.120	0.826
>3.9 to 4 microns		0.180	0.137	0.150	0.236	0.176
>4.0 to 4.3 microns		0.516	0.395	0.431	0.678	0.507
>4.3 to 4.5 microns		0.333	0.256	0.278	0.438	0.328
>4.5 to 5 microns		0.899	0.706	0.745	1.190	0.904
>5 to 5.5 microns		0.889	0.705	0.732	1.180	0.904
>5.5 to 5.7 microns		0.343	0.273	0.282	0.457	0.350
>5.7 to 5.9 microns, Phi 7.5		0.338	0.270	0.277	0.451	0.346
>5.9 to 7.8 microns, Phi 7		3.150	2.560	2.560	4.240	3.300
>7.8 to 8 microns		0.313	0.254	0.252	0.427	0.330
>8 to 8.5 microns		0.750	0.608	0.602	1.020	0.791
>8.5 to 8.9 microns		0.574	0.465	0.460	0.782	0.605
>8.9 to 9.1 microns		0.287	0.231	0.228	0.392	0.302
>9.1 to 9.5 microns		0.556	0.447	0.442	0.760	0.585
>9.5 to 9.8 microns		0.402	0.323	0.320	0.549	0.423
>9.8 to 10.1 microns		0.390	0.313	0.310	0.533	0.411
>10.1 to 10.6 microns		0.656	0.522	0.517	0.901	0.691
>10.6 to 11.1 microns		0.626	0.498	0.493	0.860	0.659
>11.1 to 11.3 microns		0.243	0.193	0.191	0.333	0.255
>11.3 to 11.7 microns, Phi 6.5		0.470	0.371	0.369	0.645	0.493
>11.7 to 14 microns		2.410	1.860	1.870	3.290	2.490
>14 to 14.8 microns		0.752	0.570	0.578	1.020	0.766
>14.8 to 15.6 microns		0.715	0.532	0.545	0.968	0.716
>15.6 to 16 microns		0.345	0.252	0.261	0.465	0.340
>16 to 20 microns		3.040	2.170	2.270	4.050	2.930
>20 to 23 microns, Phi 5.5		1.910	1.270	1.390	2.480	1.730
>23 to 27 microns		2.260	1.420	1.600	2.840	1.910
>27 to 31 microns, Phi 5		2.100	1.270	1.440	2.540	1.660
>31 to 32 microns		0.523	0.308	0.352	0.609	0.394
>32 to 35.6 microns		1.870	1.100	1.250	2.120	1.370
>35.6 to 37 microns, Phi 4.75		0.745	0.440	0.493	0.813	0.526
>37 to 39.6 microns		1.350	0.806	0.897	1.460	0.948
>39.6 to 43.6 microns		2.300	1.420	1.530	2.310	1.530
>43.6 to 44 microns, Phi 4.5		0.218	0.134	0.145	0.219	0.145
>44 to 45 microns		0.544	0.338	0.364	0.543	0.362
>45 to 46.4 microns		0.917	0.608	0.635	0.837	0.582
>46.4 to 53 microns, Phi 4.25		4.200	2.860	2.960	3.730	2.630
>53 to 62.5 microns, Phi 4		6.600	5.090	5.110	5.170	3.970
>62.5 to 64 microns		1.070	0.885	0.877	0.782	0.632
>64 to 71.7 microns		5.500	4.960	4.860	3.830	3.280
>71.7 to 74 microns		1.630	1.560	1.510	1.080	0.972
>74 to 79.6 microns		3.860	3.950	3.800	2.520	2.370
>79.6 to 87.6 microns		5.280	5.890	5.610	3.330	3.350

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

ANNUAL 2010

Analyte	MDL Units	B-9	B-10	B-10	B-11	B-12
		P526727	P504571	P526721	P504579	P504585
		14-JUL-2010	13-JAN-2010	14-JUL-2010	13-JAN-2010	13-JAN-2010
>87.6 to 88 microns, Phi 3.5		0.251	0.280	0.267	0.158	0.159
>88 to 90 microns		1.240	1.530	1.440	0.777	0.853
>90 to 105 microns, Phi 3.25		8.320	10.900	10.200	5.290	6.180
>105 to 125 microns, Phi 3		8.270	12.200	11.400	5.760	7.760
>125 to 149 microns, Phi 2.75		6.470	10.000	9.590	5.370	8.300
>149 to 160 microns		1.920	2.960	2.910	1.940	3.330
>160 to 177 microns, Phi 2.5		2.300	3.510	3.500	2.570	4.610
>177 to 197 microns		1.700	2.450	2.540	2.300	4.430
>197 to 210 microns, Phi 2.25		0.729	0.992	1.050	1.120	2.260
>210 to 217 microns		0.328	0.434	0.467	0.538	1.100
>217 to 245 microns		0.951	1.210	1.320	1.660	3.430
>245 to 250 microns, Phi 2		0.123	0.148	0.164	0.233	0.485
>250 to 300 microns, Phi 1.75		0.780	0.889	0.997	1.550	3.180
>300 to 320 microns		0.144	0.148	0.168	0.295	0.558
>320 to 350 microns, Phi 1.5		0.183	0.187	0.211	0.372	0.693
>350 to 360 microns		0.039	0.039	0.043	0.075	0.127
>360 to 400 microns		0.141	0.138	0.154	0.266	0.446
>400 to 420 microns, Phi 1.25		0.048	0.046	0.050	0.081	0.121
>420 to 440 microns		0.046	0.044	0.048	0.077	0.115
>440 to 500 microns, Phi 1		0.103	0.024	0.107	0.158	0.218
>500 to 590 microns, Phi 0.75		0.026	0.000	0.027	0.038	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*		1.27	ND	ND	1.67	ND
Totals:		101.289	99.993	99.945	101.680	100.032

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	B-12	E-1	E-1	E-2	E-2
		P526567	P503868	P528149	P503894	P528154
		13-JUL-2010	12-JAN-2010	27-JUL-2010	12-JAN-2010	27-JUL-2010
<0.500 microns, Phi 11		0.000	0.000	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.214	0.000	0.327	0.099
>1 to 1.5 microns, Phi 9.5		0.310	0.456	0.428	0.473	0.446
>1.5 to 2 microns, Phi 9		0.466	0.542	0.535	0.563	0.561
>2.0 to 2.4 microns		0.456	0.497	0.492	0.519	0.522
>2.4 to 2.9 microns, Phi 8.5		0.638	0.667	0.650	0.699	0.696
>2.9 to 3.4 microns		0.700	0.707	0.675	0.743	0.728
>3.4 to 3.9 microns, Phi 8		0.802	0.782	0.733	0.824	0.796
>3.9 to 4 microns		0.170	0.163	0.151	0.171	0.164
>4.0 to 4.3 microns		0.487	0.468	0.434	0.492	0.470
>4.3 to 4.5 microns		0.315	0.302	0.279	0.317	0.302
>4.5 to 5 microns		0.861	0.812	0.740	0.852	0.803
>5 to 5.5 microns		0.854	0.806	0.731	0.842	0.790
>5.5 to 5.7 microns		0.330	0.311	0.282	0.325	0.304
>5.7 to 5.9 microns, Phi 7.5		0.326	0.306	0.277	0.320	0.298
>5.9 to 7.8 microns, Phi 7		3.050	2.890	2.580	2.980	2.760
>7.8 to 8 microns		0.302	0.295	0.262	0.299	0.276
>8 to 8.5 microns		0.722	0.706	0.628	0.716	0.660
>8.5 to 8.9 microns		0.551	0.543	0.483	0.549	0.506
>8.9 to 9.1 microns		0.273	0.276	0.246	0.277	0.255
>9.1 to 9.5 microns		0.529	0.535	0.476	0.536	0.493
>9.5 to 9.8 microns		0.382	0.387	0.344	0.387	0.356
>9.8 to 10.1 microns		0.371	0.375	0.334	0.376	0.346
>10.1 to 10.6 microns		0.617	0.646	0.575	0.638	0.587
>10.6 to 11.1 microns		0.589	0.617	0.549	0.609	0.560
>11.1 to 11.3 microns		0.228	0.239	0.213	0.236	0.217
>11.3 to 11.7 microns, Phi 6.5		0.439	0.468	0.417	0.460	0.423
>11.7 to 14 microns		2.190	2.480	2.220	2.390	2.210
>14 to 14.8 microns		0.670	0.789	0.709	0.754	0.698
>14.8 to 15.6 microns		0.624	0.764	0.690	0.724	0.673
>15.6 to 16 microns		0.295	0.374	0.339	0.352	0.329
>16 to 20 microns		2.520	3.370	3.070	3.140	2.940
>20 to 23 microns, Phi 5.5		1.470	2.220	2.050	2.020	1.920
>23 to 27 microns		1.620	2.700	2.540	2.440	2.350
>27 to 31 microns, Phi 5		1.390	2.530	2.420	2.280	2.230
>31 to 32 microns		0.328	0.624	0.600	0.564	0.557
>32 to 35.6 microns		1.130	2.190	2.110	1.990	1.980
>35.6 to 37 microns, Phi 4.75		0.433	0.851	0.827	0.784	0.783
>37 to 39.6 microns		0.778	1.530	1.490	1.420	1.420
>39.6 to 43.6 microns		1.250	2.440	2.400	2.320	2.340
>43.6 to 44 microns, Phi 4.5		0.119	0.232	0.227	0.220	0.222
>44 to 45 microns		0.296	0.575	0.565	0.549	0.554
>45 to 46.4 microns		0.476	0.891	0.888	0.885	0.902
>46.4 to 53 microns, Phi 4.25		2.160	3.970	3.980	3.990	4.090
>53 to 62.5 microns, Phi 4		3.340	5.560	5.730	5.910	6.130
>62.5 to 64 microns		0.543	0.847	0.886	0.927	0.967
>64 to 71.7 microns		2.880	4.200	4.450	4.680	4.910
>71.7 to 74 microns		0.872	1.200	1.290	1.360	1.430
>74 to 79.6 microns		2.170	2.840	3.060	3.220	3.400
>79.6 to 87.6 microns		3.160	3.840	4.190	4.380	4.630

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

ANNUAL 2010

Analyte	MDL Units	B-12	E-1	E-1	E-2	E-2
		P526567	P503868	P528149	P503894	P528154
		13-JUL-2010	12-JAN-2010	27-JUL-2010	12-JAN-2010	27-JUL-2010
>87.6 to 88 microns, Phi 3.5		0.151	0.183	0.199	0.208	0.220
>88 to 90 microns		0.839	0.929	1.020	1.050	1.100
>90 to 105 microns, Phi 3.25		6.260	6.490	7.170	7.200	7.580
>105 to 125 microns, Phi 3		8.440	7.500	8.270	7.870	8.180
>125 to 149 microns, Phi 2.75		9.600	7.210	7.800	7.070	7.220
>149 to 160 microns		3.980	2.580	2.700	2.390	2.400
>160 to 177 microns, Phi 2.5		5.560	3.370	3.470	3.050	3.040
>177 to 197 microns		5.360	2.870	2.840	2.510	2.470
>197 to 210 microns, Phi 2.25		2.690	1.330	1.270	1.140	1.120
>210 to 217 microns		1.300	0.620	0.587	0.528	0.515
>217 to 245 microns		3.970	1.840	1.710	1.560	1.520
>245 to 250 microns, Phi 2		0.550	0.246	0.224	0.206	0.201
>250 to 300 microns, Phi 1.75		3.490	1.560	1.400	1.310	1.280
>300 to 320 microns		0.570	0.274	0.239	0.230	0.230
>320 to 350 microns, Phi 1.5		0.702	0.343	0.300	0.290	0.290
>350 to 360 microns		0.124	0.068	0.059	0.058	0.059
>360 to 400 microns		0.435	0.241	0.211	0.207	0.211
>400 to 420 microns, Phi 1.25		0.116	0.073	0.065	0.065	0.067
>420 to 440 microns		0.110	0.070	0.062	0.062	0.064
>440 to 500 microns, Phi 1		0.209	0.147	0.133	0.132	0.137
>500 to 590 microns, Phi 0.75		0.049	0.036	0.033	0.032	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*		ND	ND	1.08	ND	ND
Totals:		99.987	100.007	101.087	99.997	100.021

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-3	E-5	E-5	E-7	E-7
		P528158	P503906	P528166	P503911	P528172
		27-JUL-2010	12-JAN-2010	27-JUL-2010	12-JAN-2010	27-JUL-2010
<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	0.104	0.000
>1 to 1.5 microns, Phi 9.5		0.407	0.364	0.249	0.421	0.263
>1.5 to 2 microns, Phi 9		0.562	0.434	0.429	0.488	0.452
>2.0 to 2.4 microns		0.550	0.399	0.400	0.445	0.423
>2.4 to 2.9 microns, Phi 8.5		0.752	0.537	0.536	0.597	0.572
>2.9 to 3.4 microns		0.801	0.570	0.564	0.634	0.608
>3.4 to 3.9 microns, Phi 8		0.893	0.630	0.620	0.702	0.674
>3.9 to 4 microns		0.184	0.131	0.128	0.147	0.141
>4.0 to 4.3 microns		0.527	0.375	0.367	0.422	0.404
>4.3 to 4.5 microns		0.339	0.241	0.236	0.272	0.261
>4.5 to 5 microns		0.906	0.646	0.629	0.732	0.700
>5 to 5.5 microns		0.886	0.634	0.617	0.726	0.694
>5.5 to 5.7 microns		0.341	0.244	0.237	0.280	0.268
>5.7 to 5.9 microns, Phi 7.5		0.335	0.240	0.233	0.276	0.264
>5.9 to 7.8 microns, Phi 7		3.060	2.220	2.150	2.610	2.480
>7.8 to 8 microns		0.299	0.220	0.214	0.266	0.250
>8 to 8.5 microns		0.716	0.527	0.513	0.636	0.600
>8.5 to 8.9 microns		0.547	0.403	0.393	0.489	0.461
>8.9 to 9.1 microns		0.271	0.202	0.197	0.249	0.234
>9.1 to 9.5 microns		0.524	0.391	0.382	0.482	0.452
>9.5 to 9.8 microns		0.379	0.283	0.276	0.349	0.327
>9.8 to 10.1 microns		0.368	0.274	0.268	0.338	0.317
>10.1 to 10.6 microns		0.612	0.462	0.452	0.582	0.542
>10.6 to 11.1 microns		0.584	0.440	0.432	0.555	0.517
>11.1 to 11.3 microns		0.226	0.171	0.167	0.215	0.200
>11.3 to 11.7 microns, Phi 6.5		0.437	0.332	0.326	0.423	0.393
>11.7 to 14 microns		2.210	1.730	1.710	2.250	2.070
>14 to 14.8 microns		0.681	0.543	0.538	0.719	0.659
>14.8 to 15.6 microns		0.641	0.524	0.520	0.701	0.641
>15.6 to 16 microns		0.306	0.256	0.254	0.346	0.315
>16 to 20 microns		2.660	2.290	2.290	3.140	2.850
>20 to 23 microns, Phi 5.5		1.610	1.490	1.510	2.120	1.900
>23 to 27 microns		1.830	1.850	1.880	2.680	2.400
>27 to 31 microns, Phi 5		1.600	1.810	1.830	2.650	2.360
>31 to 32 microns		0.377	0.466	0.469	0.681	0.610
>32 to 35.6 microns		1.290	1.690	1.700	2.460	2.210
>35.6 to 37 microns, Phi 4.75		0.483	0.695	0.691	1.000	0.906
>37 to 39.6 microns		0.861	1.270	1.260	1.830	1.650
>39.6 to 43.6 microns		1.310	2.230	2.190	3.140	2.870
>43.6 to 44 microns, Phi 4.5		0.125	0.212	0.208	0.298	0.272
>44 to 45 microns		0.309	0.531	0.520	0.745	0.681
>45 to 46.4 microns		0.463	0.925	0.895	1.250	1.160
>46.4 to 53 microns, Phi 4.25		2.060	4.260	4.120	5.650	5.280
>53 to 62.5 microns, Phi 4		2.920	6.900	6.680	8.420	8.100
>62.5 to 64 microns		0.452	1.130	1.100	1.310	1.280
>64 to 71.7 microns		2.320	5.910	5.780	6.420	6.420
>71.7 to 74 microns		0.684	1.760	1.740	1.830	1.850
>74 to 79.6 microns		1.680	4.240	4.210	4.170	4.300
>79.6 to 87.6 microns		2.400	5.910	5.920	5.390	5.670



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

ANNUAL 2010

Analyte	MDL Units	E-3	E-5	E-5	E-7	E-7
		P528158 27-JUL-2010	P503906 12-JAN-2010	P528166 27-JUL-2010	P503911 12-JAN-2010	P528172 27-JUL-2010
>87.6 to 88 microns, Phi 3.5		0.114	0.281	0.282	0.256	0.270
>88 to 90 microns		0.640	1.420	1.440	1.190	1.280
>90 to 105 microns, Phi 3.25		4.840	9.670	9.930	7.640	8.380
>105 to 125 microns, Phi 3		7.030	9.890	10.300	6.950	7.900
>125 to 149 microns, Phi 2.75		8.970	7.800	8.230	5.010	5.840
>149 to 160 microns		4.140	2.290	2.390	1.390	1.630
>160 to 177 microns, Phi 2.5		6.040	2.730	2.820	1.620	1.900
>177 to 197 microns		6.270	1.960	1.970	1.140	1.320
>197 to 210 microns, Phi 2.25		3.260	0.823	0.806	0.473	0.542
>210 to 217 microns		1.600	0.367	0.354	0.210	0.239
>217 to 245 microns		4.900	1.050	0.994	0.603	0.679
>245 to 250 microns, Phi 2		0.679	0.133	0.123	0.077	0.085
>250 to 300 microns, Phi 1.75		4.220	0.828	0.749	0.490	0.536
>300 to 320 microns		0.647	0.149	0.129	0.094	0.099
>320 to 350 microns, Phi 1.5		0.791	0.189	0.163	0.120	0.127
>350 to 360 microns		0.133	0.040	0.035	0.027	0.028
>360 to 400 microns		0.463	0.145	0.124	0.088	0.102
>400 to 420 microns, Phi 1.25		0.118	0.049	0.042	0.000	0.036
>420 to 440 microns		0.112	0.047	0.040	0.000	0.035
>440 to 500 microns, Phi 1		0.209	0.107	0.022	0.000	0.019
>500 to 590 microns, Phi 0.75		0.048	0.027	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:		100.002	99.987	99.973	100.018	99.998

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-8	E-8	E-9	E-9	E-11
		P503918 12-JAN-2010	P526854 15-JUL-2010	P503924 12-JAN-2010	P526861 15-JUL-2010	P503874 12-JAN-2010
<0.500 microns, Phi 11		0.000	0.000	0.320	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.000	0.703	0.103	0.000
>1 to 1.5 microns, Phi 9.5		0.249	0.234	0.574	0.471	0.297
>1.5 to 2 microns, Phi 9		0.407	0.405	0.665	0.605	0.400
>2.0 to 2.4 microns		0.372	0.382	0.608	0.572	0.365
>2.4 to 2.9 microns, Phi 8.5		0.499	0.519	0.820	0.771	0.491
>2.9 to 3.4 microns		0.530	0.554	0.873	0.810	0.523
>3.4 to 3.9 microns, Phi 8		0.586	0.617	0.972	0.894	0.580
>3.9 to 4 microns		0.122	0.128	0.201	0.182	0.121
>4.0 to 4.3 microns		0.349	0.369	0.578	0.524	0.346
>4.3 to 4.5 microns		0.225	0.238	0.373	0.337	0.224
>4.5 to 5 microns		0.602	0.639	1.000	0.893	0.599
>5 to 5.5 microns		0.592	0.629	0.979	0.869	0.588
>5.5 to 5.7 microns		0.228	0.242	0.376	0.333	0.227
>5.7 to 5.9 microns, Phi 7.5		0.224	0.239	0.370	0.327	0.223
>5.9 to 7.8 microns, Phi 7		2.080	2.220	3.390	2.960	2.060
>7.8 to 8 microns		0.206	0.220	0.329	0.287	0.204
>8 to 8.5 microns		0.494	0.527	0.789	0.688	0.489
>8.5 to 8.9 microns		0.378	0.403	0.602	0.525	0.374
>8.9 to 9.1 microns		0.190	0.202	0.297	0.260	0.187
>9.1 to 9.5 microns		0.367	0.391	0.575	0.503	0.362
>9.5 to 9.8 microns		0.266	0.283	0.416	0.363	0.262
>9.8 to 10.1 microns		0.258	0.274	0.403	0.353	0.254
>10.1 to 10.6 microns		0.434	0.462	0.666	0.584	0.426
>10.6 to 11.1 microns		0.414	0.440	0.636	0.557	0.407
>11.1 to 11.3 microns		0.160	0.171	0.246	0.216	0.158
>11.3 to 11.7 microns, Phi 6.5		0.313	0.332	0.475	0.418	0.307
>11.7 to 14 microns		1.630	1.720	2.390	2.130	1.590
>14 to 14.8 microns		0.514	0.539	0.737	0.660	0.500
>14.8 to 15.6 microns		0.496	0.518	0.697	0.629	0.482
>15.6 to 16 microns		0.243	0.252	0.335	0.304	0.235
>16 to 20 microns		2.180	2.250	2.920	2.680	2.110
>20 to 23 microns, Phi 5.5		1.430	1.460	1.800	1.700	1.380
>23 to 27 microns		1.790	1.790	2.130	2.060	1.720
>27 to 31 microns, Phi 5		1.760	1.740	2.000	1.970	1.710
>31 to 32 microns		0.456	0.446	0.502	0.499	0.446
>32 to 35.6 microns		1.660	1.620	1.810	1.800	1.640
>35.6 to 37 microns, Phi 4.75		0.687	0.664	0.732	0.732	0.685
>37 to 39.6 microns		1.260	1.220	1.340	1.340	1.260
>39.6 to 43.6 microns		2.230	2.140	2.310	2.320	2.270
>43.6 to 44 microns, Phi 4.5		0.212	0.203	0.219	0.220	0.216
>44 to 45 microns		0.531	0.510	0.547	0.552	0.543
>45 to 46.4 microns		0.935	0.894	0.933	0.952	0.972
>46.4 to 53 microns, Phi 4.25		4.320	4.140	4.270	4.370	4.510
>53 to 62.5 microns, Phi 4		7.080	6.800	6.650	6.980	7.470
>62.5 to 64 microns		1.170	1.130	1.060	1.130	1.230
>64 to 71.7 microns		6.120	5.940	5.410	5.820	6.470
>71.7 to 74 microns		1.830	1.790	1.580	1.720	1.940
>74 to 79.6 microns		4.420	4.320	3.710	4.050	4.650
>79.6 to 87.6 microns		6.170	6.060	4.990	5.500	6.460

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

ANNUAL 2010

Analyte	MDL Units	E-8		E-9		E-11
		P503918 12-JAN-2010	P526854 15-JUL-2010	P503924 12-JAN-2010	P526861 15-JUL-2010	P503874 12-JAN-2010
>87.6 to 88 microns, Phi 3.5		0.293	0.288	0.237	0.262	0.308
>88 to 90 microns		1.480	1.460	1.150	1.270	1.530
>90 to 105 microns, Phi 3.25		10.100	10.000	7.670	8.510	10.400
>105 to 125 microns, Phi 3		10.300	10.300	7.590	8.340	10.200
>125 to 149 microns, Phi 2.75		7.960	8.110	6.050	6.480	7.580
>149 to 160 microns		2.280	2.340	1.860	1.920	2.100
>160 to 177 microns, Phi 2.5		2.670	2.750	2.280	2.300	2.420
>177 to 197 microns		1.860	1.920	1.760	1.700	1.640
>197 to 210 microns, Phi 2.25		0.761	0.785	0.781	0.732	0.662
>210 to 217 microns		0.335	0.345	0.358	0.331	0.288
>217 to 245 microns		0.942	0.970	1.060	0.960	0.807
>245 to 250 microns, Phi 2		0.117	0.120	0.141	0.125	0.100
>250 to 300 microns, Phi 1.75		0.718	0.738	0.915	0.795	0.609
>300 to 320 microns		0.125	0.129	0.174	0.148	0.107
>320 to 350 microns, Phi 1.5		0.159	0.164	0.221	0.189	0.137
>350 to 360 microns		0.034	0.035	0.047	0.041	0.030
>360 to 400 microns		0.122	0.126	0.169	0.146	0.107
>400 to 420 microns, Phi 1.25		0.042	0.043	0.056	0.050	0.038
>420 to 440 microns		0.040	0.041	0.053	0.047	0.036
>440 to 500 microns, Phi 1		0.022	0.023	0.118	0.107	0.020
>500 to 590 microns, Phi 0.75		0.000	0.000	0.029	0.027	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	0.93	ND
Totals:		100.029	99.953	100.027	100.933	100.082

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-11	E-14	E-15	E-15	E-17
		P526819	P503880	P503888	P526832	P504863
		15-JUL-2010	12-JAN-2010	12-JAN-2010	15-JUL-2010	14-JAN-2010
<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		0.115	0.234	0.366	0.256	0.360
>1.5 to 2 microns, Phi 9		0.374	0.390	0.426	0.444	0.409
>2.0 to 2.4 microns		0.355	0.364	0.390	0.418	0.371
>2.4 to 2.9 microns, Phi 8.5		0.484	0.499	0.528	0.565	0.501
>2.9 to 3.4 microns		0.516	0.539	0.564	0.599	0.535
>3.4 to 3.9 microns, Phi 8		0.575	0.607	0.629	0.664	0.596
>3.9 to 4 microns		0.119	0.127	0.131	0.137	0.124
>4.0 to 4.3 microns		0.343	0.365	0.375	0.393	0.357
>4.3 to 4.5 microns		0.221	0.236	0.242	0.253	0.231
>4.5 to 5 microns		0.592	0.639	0.649	0.675	0.620
>5 to 5.5 microns		0.582	0.630	0.636	0.660	0.611
>5.5 to 5.7 microns		0.224	0.243	0.245	0.254	0.235
>5.7 to 5.9 microns, Phi 7.5		0.220	0.239	0.241	0.249	0.232
>5.9 to 7.8 microns, Phi 7		2.040	2.220	2.220	2.280	2.150
>7.8 to 8 microns		0.201	0.219	0.216	0.223	0.213
>8 to 8.5 microns		0.481	0.524	0.518	0.535	0.510
>8.5 to 8.9 microns		0.368	0.400	0.396	0.409	0.390
>8.9 to 9.1 microns		0.184	0.199	0.196	0.203	0.195
>9.1 to 9.5 microns		0.356	0.386	0.380	0.393	0.377
>9.5 to 9.8 microns		0.257	0.279	0.275	0.284	0.273
>9.8 to 10.1 microns		0.250	0.270	0.266	0.276	0.265
>10.1 to 10.6 microns		0.419	0.451	0.442	0.459	0.443
>10.6 to 11.1 microns		0.399	0.430	0.422	0.438	0.423
>11.1 to 11.3 microns		0.155	0.167	0.164	0.170	0.164
>11.3 to 11.7 microns, Phi 6.5		0.301	0.323	0.317	0.329	0.319
>11.7 to 14 microns		1.560	1.650	1.620	1.690	1.640
>14 to 14.8 microns		0.486	0.512	0.501	0.525	0.514
>14.8 to 15.6 microns		0.467	0.489	0.477	0.502	0.493
>15.6 to 16 microns		0.227	0.236	0.230	0.243	0.240
>16 to 20 microns		2.020	2.080	2.030	2.160	2.130
>20 to 23 microns, Phi 5.5		1.310	1.320	1.280	1.380	1.370
>23 to 27 microns		1.600	1.590	1.550	1.680	1.690
>27 to 31 microns, Phi 5		1.560	1.540	1.480	1.620	1.650
>31 to 32 microns		0.401	0.395	0.379	0.413	0.427
>32 to 35.6 microns		1.460	1.450	1.380	1.500	1.570
>35.6 to 37 microns, Phi 4.75		0.603	0.601	0.570	0.615	0.652
>37 to 39.6 microns		1.110	1.110	1.050	1.130	1.200
>39.6 to 43.6 microns		1.970	2.000	1.880	2.000	2.160
>43.6 to 44 microns, Phi 4.5		0.187	0.190	0.179	0.190	0.205
>44 to 45 microns		0.470	0.478	0.449	0.476	0.515
>45 to 46.4 microns		0.841	0.869	0.813	0.849	0.924
>46.4 to 53 microns, Phi 4.25		3.920	4.060	3.800	3.960	4.290
>53 to 62.5 microns, Phi 4		6.690	6.990	6.590	6.750	7.190
>62.5 to 64 microns		1.130	1.180	1.120	1.140	1.200
>64 to 71.7 microns		6.080	6.360	6.100	6.140	6.310
>71.7 to 74 microns		1.860	1.940	1.880	1.880	1.900
>74 to 79.6 microns		4.550	4.730	4.620	4.590	4.570
>79.6 to 87.6 microns		6.490	6.720	6.640	6.530	6.380

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

ANNUAL 2010

Analyte	MDL Units	E-11	E-14	E-15	E-15	E-17
		P526819	P503880	P503888	P526832	P504863
		15-JUL-2010	12-JAN-2010	12-JAN-2010	15-JUL-2010	14-JAN-2010
>87.6 to 88 microns, Phi 3.5		0.309	0.320	0.316	0.311	0.303
>88 to 90 microns		1.580	1.620	1.630	1.580	1.520
>90 to 105 microns, Phi 3.25		10.900	11.100	11.200	10.800	10.300
>105 to 125 microns, Phi 3		11.100	10.900	11.300	10.800	10.200
>125 to 149 microns, Phi 2.75		8.510	7.930	8.390	7.950	7.690
>149 to 160 microns		2.390	2.120	2.270	2.160	2.150
>160 to 177 microns, Phi 2.5		2.770	2.400	2.580	2.470	2.500
>177 to 197 microns		1.890	1.580	1.700	1.650	1.730
>197 to 210 microns, Phi 2.25		0.765	0.624	0.669	0.658	0.710
>210 to 217 microns		0.334	0.269	0.288	0.286	0.313
>217 to 245 microns		0.936	0.749	0.795	0.797	0.893
>245 to 250 microns, Phi 2		0.115	0.091	0.096	0.098	0.113
>250 to 300 microns, Phi 1.75		0.707	0.558	0.579	0.597	0.715
>300 to 320 microns		0.124	0.099	0.099	0.105	0.135
>320 to 350 microns, Phi 1.5		0.157	0.126	0.126	0.133	0.174
>350 to 360 microns		0.034	0.028	0.027	0.029	0.039
>360 to 400 microns		0.121	0.089	0.087	0.093	0.141
>400 to 420 microns, Phi 1.25		0.042	0.000	0.000	0.000	0.050
>420 to 440 microns		0.040	0.000	0.000	0.000	0.048
>440 to 500 microns, Phi 1		0.022	0.000	0.000	0.000	0.113
>500 to 590 microns, Phi 0.75		0.000	0.000	0.000	0.000	0.029
>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:		99.969	100.073	100.004	100.046	99.990

\*=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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-17	E-19	E-19	E-20	E-20
		P526835	P504870	P526734	P504873	P526841
		15-JUL-2010	14-JAN-2010	14-JUL-2010	14-JAN-2010	15-JUL-2010
<0.500 microns, Phi 11		0.000	0.088	0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.581	0.000	0.000	0.000
>1 to 1.5 microns, Phi 9.5		0.251	0.466	0.413	0.366	0.255
>1.5 to 2 microns, Phi 9		0.428	0.521	0.512	0.415	0.437
>2.0 to 2.4 microns		0.398	0.465	0.476	0.373	0.408
>2.4 to 2.9 microns, Phi 8.5		0.536	0.618	0.637	0.497	0.552
>2.9 to 3.4 microns		0.568	0.650	0.672	0.526	0.586
>3.4 to 3.9 microns, Phi 8		0.628	0.713	0.739	0.580	0.649
>3.9 to 4 microns		0.131	0.148	0.153	0.121	0.135
>4.0 to 4.3 microns		0.375	0.426	0.440	0.346	0.388
>4.3 to 4.5 microns		0.241	0.274	0.284	0.223	0.250
>4.5 to 5 microns		0.647	0.734	0.758	0.598	0.669
>5 to 5.5 microns		0.637	0.726	0.749	0.589	0.660
>5.5 to 5.7 microns		0.245	0.280	0.289	0.227	0.254
>5.7 to 5.9 microns, Phi 7.5		0.242	0.276	0.284	0.223	0.250
>5.9 to 7.8 microns, Phi 7		2.240	2.580	2.650	2.080	2.320
>7.8 to 8 microns		0.222	0.262	0.269	0.209	0.231
>8 to 8.5 microns		0.533	0.627	0.644	0.501	0.554
>8.5 to 8.9 microns		0.408	0.482	0.495	0.384	0.425
>8.9 to 9.1 microns		0.205	0.245	0.251	0.194	0.213
>9.1 to 9.5 microns		0.395	0.475	0.487	0.376	0.413
>9.5 to 9.8 microns		0.286	0.343	0.352	0.272	0.298
>9.8 to 10.1 microns		0.277	0.333	0.341	0.264	0.289
>10.1 to 10.6 microns		0.467	0.571	0.585	0.449	0.488
>10.6 to 11.1 microns		0.446	0.545	0.558	0.428	0.466
>11.1 to 11.3 microns		0.173	0.211	0.216	0.166	0.181
>11.3 to 11.7 microns, Phi 6.5		0.336	0.415	0.425	0.325	0.352
>11.7 to 14 microns		1.740	2.210	2.260	1.710	1.830
>14 to 14.8 microns		0.546	0.707	0.722	0.544	0.577
>14.8 to 15.6 microns		0.525	0.692	0.706	0.529	0.557
>15.6 to 16 microns		0.256	0.342	0.349	0.260	0.272
>16 to 20 microns		2.280	3.120	3.180	2.360	2.440
>20 to 23 microns, Phi 5.5		1.470	2.130	2.170	1.580	1.600
>23 to 27 microns		1.810	2.740	2.790	2.010	1.990
>27 to 31 microns, Phi 5		1.770	2.750	2.800	2.000	1.960
>31 to 32 microns		0.455	0.720	0.730	0.521	0.508
>32 to 35.6 microns		1.660	2.630	2.660	1.900	1.850
>35.6 to 37 microns, Phi 4.75		0.683	1.090	1.090	0.785	0.764
>37 to 39.6 microns		1.250	1.990	2.000	1.440	1.400
>39.6 to 43.6 microns		2.220	3.460	3.460	2.540	2.480
>43.6 to 44 microns, Phi 4.5		0.211	0.329	0.328	0.241	0.235
>44 to 45 microns		0.529	0.821	0.821	0.605	0.590
>45 to 46.4 microns		0.936	1.380	1.380	1.060	1.040
>46.4 to 53 microns, Phi 4.25		4.340	6.260	6.250	4.880	4.790
>53 to 62.5 microns, Phi 4		7.220	9.210	9.240	7.890	7.790
>62.5 to 64 microns		1.200	1.410	1.420	1.290	1.280
>64 to 71.7 microns		6.330	6.790	6.850	6.670	6.610
>71.7 to 74 microns		1.900	1.900	1.920	1.980	1.960
>74 to 79.6 microns		4.590	4.260	4.290	4.690	4.660
>79.6 to 87.6 microns		6.400	5.340	5.370	6.400	6.360

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

ANNUAL 2010

Analyte	MDL Units	E-17	E-19	E-19	E-20	E-20
		P526835	P504870	P526734	P504873	P526841
		15-JUL-2010	14-JAN-2010	14-JUL-2010	14-JAN-2010	15-JUL-2010
>87.6 to 88 microns, Phi 3.5		0.304	0.254	0.255	0.305	0.303
>88 to 90 microns		1.520	1.130	1.130	1.480	1.470
>90 to 105 microns, Phi 3.25		10.300	7.090	7.040	9.870	9.760
>105 to 125 microns, Phi 3		10.100	6.060	5.970	9.360	9.190
>125 to 149 microns, Phi 2.75		7.510	4.140	4.080	6.740	6.570
>149 to 160 microns		2.050	1.110	1.110	1.820	1.760
>160 to 177 microns, Phi 2.5		2.350	1.280	1.280	2.070	2.010
>177 to 197 microns		1.570	0.886	0.893	1.380	1.340
>197 to 210 microns, Phi 2.25		0.627	0.368	0.375	0.550	0.537
>210 to 217 microns		0.272	0.163	0.167	0.239	0.234
>217 to 245 microns		0.758	0.470	0.486	0.669	0.657
>245 to 250 microns, Phi 2		0.093	0.060	0.063	0.082	0.081
>250 to 300 microns, Phi 1.75		0.570	0.388	0.410	0.508	0.504
>300 to 320 microns		0.101	0.077	0.082	0.092	0.092
>320 to 350 microns, Phi 1.5		0.129	0.099	0.106	0.118	0.118
>350 to 360 microns		0.028	0.023	0.025	0.026	0.026
>360 to 400 microns		0.091	0.074	0.080	0.084	0.084
>400 to 420 microns, Phi 1.25		0.000	0.000	0.000	0.000	0.000
>420 to 440 microns		0.000	0.000	0.000	0.000	0.000
>440 to 500 microns, Phi 1		0.000	0.000	0.000	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	ND	ND	ND
Totals:		100.009	100.008	100.017	100.010	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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-21	E-21	E-23	E-23	E-25
		P504881	P526847	P504603	P526740	P504610
		14-JAN-2010	15-JUL-2010	13-JAN-2010	14-JUL-2010	13-JAN-2010
<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	0.430	0.000	0.099
>1 to 1.5 microns, Phi 9.5		0.372	0.265	0.438	0.390	0.398
>1.5 to 2 microns, Phi 9		0.439	0.455	0.490	0.486	0.461
>2.0 to 2.4 microns		0.404	0.424	0.438	0.450	0.423
>2.4 to 2.9 microns, Phi 8.5		0.549	0.571	0.582	0.602	0.572
>2.9 to 3.4 microns		0.588	0.604	0.613	0.632	0.612
>3.4 to 3.9 microns, Phi 8		0.657	0.668	0.673	0.693	0.683
>3.9 to 4 microns		0.137	0.138	0.140	0.143	0.143
>4.0 to 4.3 microns		0.393	0.397	0.402	0.412	0.412
>4.3 to 4.5 microns		0.253	0.256	0.259	0.265	0.266
>4.5 to 5 microns		0.682	0.685	0.694	0.706	0.717
>5 to 5.5 microns		0.671	0.673	0.685	0.696	0.711
>5.5 to 5.7 microns		0.258	0.259	0.264	0.268	0.274
>5.7 to 5.9 microns, Phi 7.5		0.254	0.255	0.260	0.263	0.270
>5.9 to 7.8 microns, Phi 7		2.360	2.360	2.430	2.450	2.540
>7.8 to 8 microns		0.232	0.233	0.245	0.245	0.256
>8 to 8.5 microns		0.556	0.559	0.587	0.587	0.612
>8.5 to 8.9 microns		0.425	0.428	0.451	0.451	0.470
>8.9 to 9.1 microns		0.212	0.214	0.229	0.228	0.237
>9.1 to 9.5 microns		0.410	0.414	0.442	0.441	0.459
>9.5 to 9.8 microns		0.296	0.299	0.320	0.318	0.332
>9.8 to 10.1 microns		0.288	0.290	0.310	0.309	0.322
>10.1 to 10.6 microns		0.481	0.488	0.530	0.525	0.547
>10.6 to 11.1 microns		0.458	0.465	0.505	0.501	0.522
>11.1 to 11.3 microns		0.178	0.180	0.196	0.194	0.202
>11.3 to 11.7 microns, Phi 6.5		0.345	0.350	0.384	0.380	0.395
>11.7 to 14 microns		1.770	1.810	2.030	2.000	2.070
>14 to 14.8 microns		0.550	0.564	0.645	0.634	0.653
>14.8 to 15.6 microns		0.525	0.539	0.628	0.616	0.631
>15.6 to 16 microns		0.254	0.262	0.309	0.303	0.309
>16 to 20 microns		2.250	2.320	2.800	2.740	2.770
>20 to 23 microns, Phi 5.5		1.430	1.480	1.870	1.830	1.820
>23 to 27 microns		1.720	1.780	2.370	2.310	2.260
>27 to 31 microns, Phi 5		1.660	1.700	2.350	2.280	2.210
>31 to 32 microns		0.423	0.429	0.608	0.589	0.568
>32 to 35.6 microns		1.540	1.550	2.220	2.140	2.060
>35.6 to 37 microns, Phi 4.75		0.635	0.628	0.914	0.878	0.848
>37 to 39.6 microns		1.170	1.150	1.670	1.610	1.550
>39.6 to 43.6 microns		2.090	2.010	2.930	2.800	2.710
>43.6 to 44 microns, Phi 4.5		0.198	0.191	0.278	0.265	0.258
>44 to 45 microns		0.498	0.479	0.695	0.664	0.645
>45 to 46.4 microns		0.892	0.847	1.190	1.140	1.110
>46.4 to 53 microns, Phi 4.25		4.150	3.940	5.420	5.210	5.060
>53 to 62.5 microns, Phi 4		7.020	6.690	8.330	8.150	7.860
>62.5 to 64 microns		1.180	1.130	1.320	1.300	1.250
>64 to 71.7 microns		6.270	6.090	6.590	6.590	6.340
>71.7 to 74 microns		1.900	1.860	1.900	1.920	1.840
>74 to 79.6 microns		4.620	4.550	4.410	4.480	4.320
>79.6 to 87.6 microns		6.530	6.480	5.820	5.970	5.780



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

ANNUAL 2010

Analyte	MDL Units	E-21	E-21	E-23	E-23	E-25
		P504881	P526847	P504603	P526740	P504610
		14-JAN-2010	15-JUL-2010	13-JAN-2010	14-JUL-2010	13-JAN-2010
>87.6 to 88 microns, Phi 3.5		0.311	0.308	0.277	0.284	0.275
>88 to 90 microns		1.570	1.570	1.300	1.350	1.320
>90 to 105 microns, Phi 3.25		10.700	10.700	8.490	8.820	8.730
>105 to 125 microns, Phi 3		10.400	10.700	7.760	8.120	8.300
>125 to 149 microns, Phi 2.75		7.580	7.800	5.500	5.760	6.120
>149 to 160 microns		2.030	2.090	1.480	1.550	1.700
>160 to 177 microns, Phi 2.5		2.290	2.360	1.700	1.770	1.970
>177 to 197 microns		1.500	1.550	1.150	1.190	1.350
>197 to 210 microns, Phi 2.25		0.590	0.608	0.466	0.481	0.548
>210 to 217 microns		0.254	0.262	0.204	0.210	0.240
>217 to 245 microns		0.706	0.725	0.577	0.593	0.677
>245 to 250 microns, Phi 2		0.086	0.088	0.072	0.074	0.084
>250 to 300 microns, Phi 1.75		0.528	0.534	0.453	0.462	0.521
>300 to 320 microns		0.094	0.094	0.085	0.086	0.094
>320 to 350 microns, Phi 1.5		0.120	0.119	0.109	0.110	0.120
>350 to 360 microns		0.026	0.026	0.024	0.025	0.026
>360 to 400 microns		0.085	0.084	0.079	0.080	0.085
>400 to 420 microns, Phi 1.25		0.000	0.000	0.000	0.000	0.000
>420 to 440 microns		0.000	0.000	0.000	0.000	0.000
>440 to 500 microns, Phi 1		0.000	0.000	0.000	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	ND	ND	ND
Totals:		100.043	100.027	100.020	100.019	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 Grain Size  
(all values are in percent distribution)

ANNUAL 2010

Analyte	MDL Units	E-25	E-26	E-26
		P526746	P504615	P526752
		14-JUL-2010	13-JAN-2010	14-JUL-2010
<0.500 microns, Phi 11		0.000	0.000	0.000
>0.5 to 1 microns, Phi 10		0.000	0.315	0.101
>1 to 1.5 microns, Phi 9.5		0.395	0.437	0.442
>1.5 to 2 microns, Phi 9		0.501	0.509	0.537
>2.0 to 2.4 microns		0.470	0.468	0.490
>2.4 to 2.9 microns, Phi 8.5		0.632	0.635	0.646
>2.9 to 3.4 microns		0.667	0.680	0.670
>3.4 to 3.9 microns, Phi 8		0.736	0.760	0.727
>3.9 to 4 microns		0.152	0.160	0.149
>4.0 to 4.3 microns		0.437	0.458	0.428
>4.3 to 4.5 microns		0.281	0.296	0.275
>4.5 to 5 microns		0.751	0.800	0.729
>5 to 5.5 microns		0.739	0.795	0.716
>5.5 to 5.7 microns		0.284	0.307	0.275
>5.7 to 5.9 microns, Phi 7.5		0.280	0.302	0.270
>5.9 to 7.8 microns, Phi 7		2.590	2.850	2.500
>7.8 to 8 microns		0.259	0.288	0.251
>8 to 8.5 microns		0.619	0.689	0.601
>8.5 to 8.9 microns		0.475	0.529	0.462
>8.9 to 9.1 microns		0.239	0.267	0.234
>9.1 to 9.5 microns		0.463	0.517	0.453
>9.5 to 9.8 microns		0.335	0.374	0.327
>9.8 to 10.1 microns		0.325	0.363	0.317
>10.1 to 10.6 microns		0.550	0.618	0.542
>10.6 to 11.1 microns		0.525	0.590	0.517
>11.1 to 11.3 microns		0.203	0.228	0.200
>11.3 to 11.7 microns, Phi 6.5		0.397	0.446	0.393
>11.7 to 14 microns		2.080	2.340	2.080
>14 to 14.8 microns		0.658	0.738	0.665
>14.8 to 15.6 microns		0.637	0.713	0.649
>15.6 to 16 microns		0.312	0.349	0.320
>16 to 20 microns		2.810	3.130	2.910
>20 to 23 microns, Phi 5.5		1.860	2.050	1.980
>23 to 27 microns		2.320	2.530	2.520
>27 to 31 microns, Phi 5		2.270	2.450	2.500
>31 to 32 microns		0.582	0.627	0.644
>32 to 35.6 microns		2.100	2.270	2.330
>35.6 to 37 microns, Phi 4.75		0.854	0.922	0.945
>37 to 39.6 microns		1.560	1.680	1.720
>39.6 to 43.6 microns		2.680	2.900	2.930
>43.6 to 44 microns, Phi 4.5		0.254	0.275	0.278
>44 to 45 microns		0.635	0.687	0.695
>45 to 46.4 microns		1.070	1.160	1.160
>46.4 to 53 microns, Phi 4.25		4.900	5.280	5.280
>53 to 62.5 microns, Phi 4		7.590	8.030	8.040
>62.5 to 64 microns		1.210	1.270	1.270
>64 to 71.7 microns		6.170	6.320	6.390
>71.7 to 74 microns		1.800	1.820	1.850
>74 to 79.6 microns		4.240	4.220	4.300
>79.6 to 87.6 microns		5.710	5.560	5.700

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

ANNUAL 2010

Analyte	MDL Units	E-25	E-26	E-26
		P526746	P504615	P526752
		14-JUL-2010	13-JAN-2010	14-JUL-2010
>87.6 to 88 microns, Phi 3.5		0.272	0.264	0.271
>88 to 90 microns		1.310	1.240	1.280
>90 to 105 microns, Phi 3.25		8.720	8.060	8.390
>105 to 125 microns, Phi 3		8.370	7.330	7.740
>125 to 149 microns, Phi 2.75		6.220	5.160	5.510
>149 to 160 microns		1.730	1.390	1.490
>160 to 177 microns, Phi 2.5		2.000	1.580	1.700
>177 to 197 microns		1.370	1.070	1.150
>197 to 210 microns, Phi 2.25		0.553	0.434	0.464
>210 to 217 microns		0.242	0.190	0.203
>217 to 245 microns		0.680	0.539	0.574
>245 to 250 microns, Phi 2		0.084	0.067	0.072
>250 to 300 microns, Phi 1.75		0.519	0.424	0.448
>300 to 320 microns		0.093	0.079	0.083
>320 to 350 microns, Phi 1.5		0.119	0.102	0.107
>350 to 360 microns		0.026	0.023	0.024
>360 to 400 microns		0.084	0.074	0.077
>400 to 420 microns, Phi 1.25		0.000	0.000	0.000
>420 to 440 microns		0.000	0.000	0.000
>440 to 500 microns, Phi 1		0.000	0.000	0.000
>500 to 590 microns, Phi 0.75		0.000	0.000	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*		ND	ND	ND
Totals:		99.999	100.028	99.991

\*=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)

Annual 2010

Analyte	MDL Units	B-5	B-11	E-14
		P526442 12-JUL-2010	P526563 13-JUL-2010	P526826 15-JUL-2010
<63 microns, Phi<4		14.800	42.200	16.900
>63 to 125 microns, Phi>4		23.900	17.300	10.600
>125 to 250 microns, Phi>3		4.620	8.180	1.050
>250 to 500 microns, Phi>2		0.900	2.630	1.600
>500 to 1000 microns, Phi>1		0.250	1.240	17.000
>1000 to 2000 microns, Phi>0		0.250	0.960	29.100
>2000 microns, Phi>-1		55.300	27.500	23.800
Totals:		100.020	100.010	100.050

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

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

From 01-JAN-2010 to 31-DEC-2010

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.066	0.067	0.066	0.075	0.069	0.074	0.073
Total Organic Carbon	.01	WT%	0.541	0.546	0.535	0.646	0.589	0.641	0.593

Analyte	MDL	Units	B-5	B-8	B-9	B-10	B-11	B-12	E-1
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.085	0.088	0.066	0.052	0.096	0.065	0.053
Total Organic Carbon	.01	WT%	0.726	0.865	0.853	1.390	2.460	3.480	0.542

Analyte	MDL	Units	E-2	E-3	E-5	E-7	E-8	E-9	E-11
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.055	0.039	0.053	0.067	0.045	0.050	0.053
Total Organic Carbon	.01	WT%	0.626	0.484	0.634	0.656	0.538	1.210	0.593

Analyte	MDL	Units	E-14	E-15	E-17	E-19	E-20	E-21	E-23
			Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.054	0.051	0.051	0.068	0.051	0.056	0.059
Total Organic Carbon	.01	WT%	0.755	0.587	0.496	0.666	0.496	0.559	0.584

Analyte	MDL	Units	E-25	E-26
			Avg 2010	Avg 2010
Total Nitrogen	.005	WT%	0.059	0.066
Total Organic Carbon	.01	WT%	0.665	0.657

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

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		A-2	A-5	A-8	A-9	A-15	A-16	B-3
Date:		2010	2010	2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	2 MG/KG	8830	12400	9390	11100	10200	9860	7900
Antimony	.3 MG/KG	0.39	0.57	0.46	0.50	0.47	0.45	0.55
Arsenic	.33 MG/KG	3.12	3.66	3.27	3.56	3.13	3.34	3.50
Barium	.02 MG/KG	60.3	77.1	61.3	68.4	61.1	65.0	55.3
Beryllium	.01 MG/KG	0.175	0.259	0.175	0.211	0.188	0.192	ND
Cadmium	.06 MG/KG	0.24	0.50	0.24	0.28	0.25	0.27	ND
Chromium	.1 MG/KG	17.4	23.1	17.5	20.0	18.2	19.1	20.0
Copper	.2 MG/KG	10.60	15.10	10.30	12.30	10.90	11.90	11.40
Iron	9 MG/KG	12000	15600	12300	14000	12600	12900	11200
Lead	.8 MG/KG	5.87	7.58	5.74	6.07	5.62	6.42	10.20
Manganese	.08 MG/KG	121.0	152.0	127.0	141.0	131.0	131.0	87.4
Mercury	.003 MG/KG	0.027	0.045	0.021	0.022	0.023	0.027	0.033
Nickel	.1 MG/KG	8.04	12.20	8.16	10.30	8.46	8.88	6.86
Selenium	.24 MG/KG	0.24	ND	ND	0.27	ND	ND	ND
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	1.24	1.84	1.29	1.45	1.46	1.42	1.01
Zinc	.25 MG/KG	36.0	46.0	35.8	41.0	37.5	38.7	29.3

Source:		B-5	B-8	B-9	B-10	B-11	B-12	E-1
Date:		2010	2010	2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	2 MG/KG	9610	12600	9540	6810	9750	6860	9130
Antimony	.3 MG/KG	0.69	0.44	ND	<0.30	0.91	0.45	<0.30
Arsenic	.33 MG/KG	3.92	3.82	3.77	2.89	4.30	5.44	2.63
Barium	.02 MG/KG	56.2	63.3	61.8	28.8	53.3	22.7	47.4
Beryllium	.01 MG/KG	0.201	0.125	0.163	0.093	ND	0.032	0.086
Cadmium	.06 MG/KG	0.13	0.14	0.17	0.17	0.11	0.08	0.13
Chromium	.1 MG/KG	27.2	24.9	24.1	17.7	28.1	28.6	16.4
Copper	.2 MG/KG	9.95	13.90	7.98	5.97	12.70	4.81	10.80
Iron	9 MG/KG	22100	15600	18400	12700	20400	21700	11900
Lead	.8 MG/KG	12.00	10.00	5.87	3.91	9.82	6.33	6.89
Manganese	.08 MG/KG	129.0	119.0	103.0	70.3	132.0	56.6	97.1
Mercury	.003 MG/KG	0.074	0.038	0.026	0.019	0.037	0.017	0.040
Nickel	.1 MG/KG	7.90	9.86	8.33	6.19	9.88	6.15	7.11
Selenium	.24 MG/KG	0.55	ND	ND	<0.24	0.30	<0.24	<0.24
Silver	.04 MG/KG	0.10	ND	ND	ND	ND	0.29	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	1.51	1.24	1.12	0.90	1.52	1.18	1.02
Zinc	.25 MG/KG	44.4	37.8	37.5	30.3	45.1	35.2	31.0

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

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		E-2	E-3	E-5	E-7	E-8	E-9	E-11
Date:		2010	2010	2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	2 MG/KG	10400	7370	7820	9410	7770	7980	6720
Antimony	.3 MG/KG	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Arsenic	.33 MG/KG	2.51	2.30	2.52	3.13	2.28	1.94	2.29
Barium	.02 MG/KG	62.1	51.1	39.4	47.4	34.2	31.8	30.6
Beryllium	.01 MG/KG	0.093	0.064	0.071	0.076	0.081	0.087	0.067
Cadmium	.06 MG/KG	0.14	0.12	0.15	0.17	0.16	0.19	0.18
Chromium	.1 MG/KG	18.0	13.1	14.6	17.4	14.7	18.5	13.5
Copper	.2 MG/KG	12.00	11.80	7.51	9.50	8.81	10.90	6.85
Iron	9 MG/KG	14000	11000	10500	11900	10100	12700	8180
Lead	.8 MG/KG	5.87	7.03	4.17	5.47	4.09	4.93	3.60
Manganese	.08 MG/KG	110.0	92.4	83.0	103.0	82.6	78.2	73.1
Mercury	.003 MG/KG	0.035	0.037	0.020	0.029	0.025	0.033	0.021
Nickel	.1 MG/KG	7.70	5.12	6.51	8.22	6.50	7.06	6.25
Selenium	.24 MG/KG	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Silver	.04 MG/KG	ND	0.05	ND	0.08	ND	ND	<0.04
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	1.05	0.78	0.82	1.10	1.01	0.92	0.91
Zinc	.25 MG/KG	34.6	31.0	26.2	31.7	25.9	36.2	24.2

Source:		E-14	E-15	E-17	E-19	E-20	E-21	E-23
Date:		2010	2010	2010	2010	2010	2010	2010
Analyte:	MDL Units	Average	Average	Average	Average	Average	Average	Average
Aluminum	2 MG/KG	7310	6610	4790	9700	6130	6310	6840
Antimony	.3 MG/KG	<0.30	ND	ND	0.38	ND	<0.30	ND
Arsenic	.33 MG/KG	4.64	1.79	2.51	3.41	2.59	2.29	2.62
Barium	.02 MG/KG	32.0	28.8	23.2	52.5	30.7	31.3	37.2
Beryllium	.01 MG/KG	0.074	0.067	0.067	0.096	0.061	0.072	0.073
Cadmium	.06 MG/KG	0.22	0.15	0.12	0.17	0.11	0.14	0.11
Chromium	.1 MG/KG	14.7	14.2	10.3	18.9	13.2	14.7	15.0
Copper	.2 MG/KG	9.61	7.29	5.22	10.40	7.12	7.71	8.34
Iron	9 MG/KG	9760	9220	6890	13000	9040	9930	10200
Lead	.8 MG/KG	3.40	3.77	2.78	6.46	3.81	4.16	4.59
Manganese	.08 MG/KG	109.0	71.1	55.0	111.0	70.4	72.6	81.0
Mercury	.003 MG/KG	0.018	0.021	0.021	0.036	0.022	0.024	0.033
Nickel	.1 MG/KG	8.03	6.45	4.82	9.35	6.47	6.98	7.40
Selenium	.24 MG/KG	<0.24	ND	ND	ND	ND	0.31	<0.24
Silver	.04 MG/KG	ND	ND	ND	ND	ND	ND	ND
Thallium	.5 MG/KG	ND	ND	ND	ND	ND	ND	ND
Tin	.3 MG/KG	0.89	1.21	0.97	1.34	0.74	0.84	0.87
Zinc	.25 MG/KG	29.2	25.3	18.7	35.8	24.8	26.8	28.5

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

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		E-25	E-26
Date:		2010	2010
Analyte:	MDL Units	Average	Average
=====	=====	=====	=====
Aluminum	2 MG/KG	7870	6370
Antimony	.3 MG/KG	<0.30	ND
Arsenic	.33 MG/KG	2.26	2.44
Barium	.02 MG/KG	37.9	39.0
Beryllium	.01 MG/KG	0.079	0.081
Cadmium	.06 MG/KG	0.13	<0.06
Chromium	.1 MG/KG	16.2	12.9
Copper	.2 MG/KG	7.97	6.00
Iron	9 MG/KG	11200	9000
Lead	.8 MG/KG	4.61	2.97
Manganese	.08 MG/KG	87.7	76.1
Mercury	.003 MG/KG	0.027	0.028
Nickel	.1 MG/KG	7.61	5.67
Selenium	.24 MG/KG	ND	0.39
Silver	.04 MG/KG	ND	ND
Thallium	.5 MG/KG	ND	ND
Tin	.3 MG/KG	1.24	0.72
Zinc	.25 MG/KG	30.2	24.7

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



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

Annual 2010

Analyte	MDL Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
		2010	2010	2010	2010	2010	2010	2010	2010
		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	700 NG/KG	E270	E280	E190	500	E230	E320	E160	E140
p,-p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	ND	ND	E260	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

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 Chlorinated Pesticide Analysis - STANDARD STATIONS

Annual 2010

Analyte	MDL Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
		2010	2010	2010	2010	2010	2010	2010	2010
		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	490	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	700 NG/KG	E295	535	E270	<400	<400	615	<700	E225
p,-p-DDMU	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	700 NG/KG	ND	3450	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	2450	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	490	0	0	0	0
DDT and derivatives	700 NG/KG	0	6435	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	6435	0	490	0	0	0	0

ND=not detected

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 Chlorinated Pesticide Analysis - STANDARD STATIONS

Annual 2010

Analyte	MDL Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
		2010	2010	2010	2010	2010	2010	2010	2010
		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	700 NG/KG	E290	<400	E248	E210	E250	E175	E260	E230
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

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-2010 To 31-DEC-2010

Analyte	MDL Units	E-19	E-20	E-21	E-23	E-25	E-26
		2010	2010	2010	2010	2010	2010
		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	700 NG/KG	E415	E260	E335	<400	E375	<400
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

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 - PCB Congeners (STANDARD STATIONS)

Annual 2010

Analyte	MDL	Units	A-2	A-5	A-8	A-9	A-15	A-16	B-3	B-5
			2010	2010	2010	2010	2010	2010	2010	2010
			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	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	ND	ND	ND	ND	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	E76	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	ND	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	E140	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	140	76	0	0	0	0	0	0

ND=not detected

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 - PCB Congeners (STANDARD STATIONS)

Annual 2010

Analyte	MDL	Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3
			2010	2010	2010	2010	2010	2010	2010	2010
			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	ND	ND	ND	ND	<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	<700	ND	<700
PCB 66	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 101	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 99	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
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	<700
PCB 110	700	NG/KG	ND	ND	ND	ND	ND	E400	<700	E210
PCB 81	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 151	700	NG/KG	ND	ND	ND	ND	ND	<700	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	E360	<700	E340
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	ND	ND	E220	<700	<700
PCB 114	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 105	700	NG/KG	ND	ND	ND	ND	ND	E96	<700	<700
PCB 138	700	NG/KG	ND	ND	ND	ND	ND	E360	ND	E190
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	<700
PCB 187	700	NG/KG	ND	ND	ND	ND	ND	<700	<700	<700
PCB 183	700	NG/KG	ND	ND	ND	ND	ND	<700	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	<700	ND	<700
PCB 167	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 177	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 201	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 156	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	<700
PCB 157	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 180	400	NG/KG	ND	ND	ND	ND	ND	830	ND	<400
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	<700	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0	0

ND=not detected

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 - PCB Congeners (STANDARD STATIONS)

Annual 2010

Analyte	MDL	Units	E-5	E-7	E-8	E-9	E-11	E-14	E-15	E-17
			2010	2010	2010	2010	2010	2010	2010	2010
			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	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	ND	ND	ND	<700	ND	ND	ND	<700
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	E210
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	<700	ND	ND	<700	ND	ND	ND	<700
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	<700	<700	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	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	<400
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	0	0	0	0	0	0

ND=not detected

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 - PCB Congeners (STANDARD STATIONS)

Annual 2010

Analyte	MDL	Units	E-19	E-20	E-21	E-23	E-25	E-26
			2010	2010	2010	2010	2010	2010
			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	<700	ND	ND	ND
PCB 77	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 149	700	NG/KG	ND	ND	<700	ND	ND	ND
PCB 123	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 118	700	NG/KG	ND	ND	ND	<700	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	<700	<700	ND	ND
PCB 158	700	NG/KG	ND	ND	ND	ND	ND	ND
PCB 187	700	NG/KG	ND	ND	<700	ND	ND	ND
PCB 183	700	NG/KG	ND	ND	<700	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	<700	ND	ND	ND
PCB 201	700	NG/KG	ND	ND	<700	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	1100	ND	ND	ND
PCB 170	700	NG/KG	ND	ND	ND	ND	ND	ND
Total PCB's	1500	NG/KG	0	0	1100	0	0	0

ND=not detected

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-2010 to 31-DEC-2010

Analyte	MDL	Units	B-8	B-9	B-10	B-11	B-12	E-1	E-2	E-3	E-5	E-7	E-8	E-9	E-11
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg
Acenaphthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20	UG/KG	ND	ND	ND	ND	ND	<20	<20	<20	ND	ND	ND	ND	ND
Benzo[A]pyrene	20	UG/KG	ND	ND	ND	ND	ND	20	<20	22	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	38	<20	<20	ND	ND	ND	ND	ND
Benzo[e]pyrene	20	UG/KG	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20	UG/KG	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND
Fluorene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20	UG/KG	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	20	UG/KG	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	40	UG/KG	0	0	0	0	0	104	0	22	0	0	0	0	0

Analyte	MDL	Units	E-14	E-15	E-17	E-19	E-20	E-21	E-23	E-25	E-26
			2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg	2010 Avg
Acenaphthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	40	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	30	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	20	UG/KG	ND	ND	ND	ND	ND	ND	ND	ND	ND
Base/Neutral Compounds	40	UG/KG	0	0	0	0	0	0	0	0	0

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

B. Fish Tissue Data.

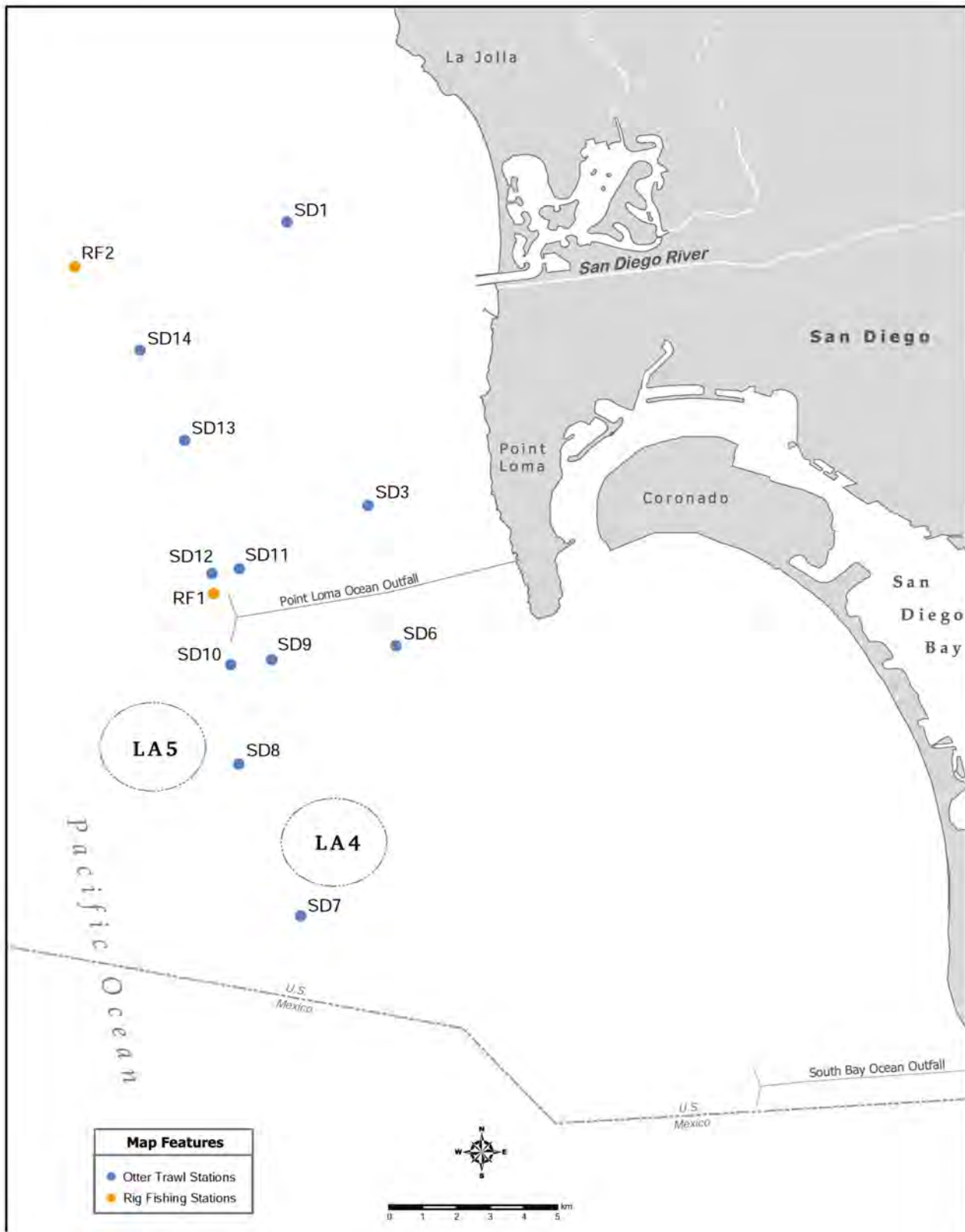
Fish were taken from the stations shown in the below tables during 2010. The fish were dissected, preserved by freezing, and each sample analyzed for trace metals, chlorinated pesticides, PCBs, Lipids, and total solids.

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

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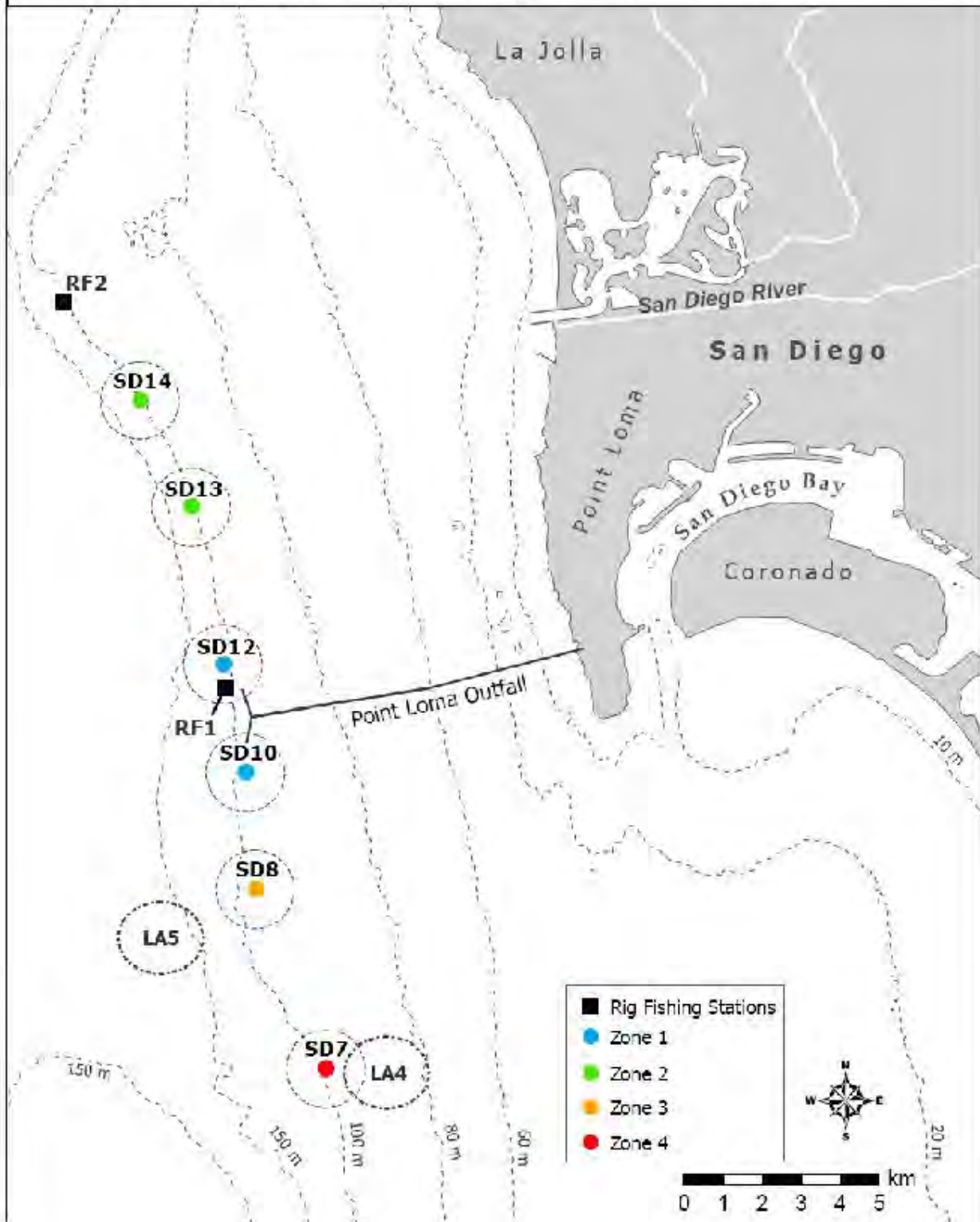
<u>Station</u>	<u>Matrix</u>	<u>Station</u>	<u>Matrix</u>
RF-1	FISH_MUSCLE	TFZONE1 (SD-10 & 12)	FISH_LIVER
RF-2	FISH_MUSCLE	TFZONE2 (SD-13 & 14)	FISH_LIVER
		TFZONE3 (SD-8)	FISH_LIVER
		TFZONE4 (SD-7)	FISH_LIVER

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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  
 Fish Tissue - Muscle/Liver  
 FISH - Lipids & Total Solids

Annual 2010

Tissue Analyte	MDL	Units	RF-1	RF-2	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2010	2010	2010	2010	2010	2010
			Avg	Avg	Avg	Avg	Avg	Avg
Liver Lipids	.005	WT%			33.8	23.3	23.1	33.4
Liver Total Solids	.4	WT%			50.9	44.6	44.5	52.7
Muscle Lipids	.005	WT%	0.51	0.87				
Muscle Total Solids	.4	WT%	21.5	22.0				

ND= not detected

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

From: 01-JAN-2010 To: 31-DEC-2010

Source:			TFZONE1	TFZONE2	TFZONE3	TFZONE4
Date:			2010	2010	2010	2010
Analyte:	MDL	Units	Average	Average	Average	Average
=====	=====	=====	=====	=====	=====	=====
Aluminum	3	MG/KG	6.94	9.98	ND	<3.00
Antimony	.2	MG/KG	ND	<0.20	ND	ND
Arsenic	.24	MG/KG	3.15	2.73	3.30	2.63
Beryllium	.006	MG/KG	ND	ND	ND	ND
Cadmium	.06	MG/KG	5.35	8.78	7.65	6.44
Chromium	.1	MG/KG	0.19	<0.10	0.20	0.18
Copper	.1	MG/KG	2.25	4.64	3.44	2.29
Iron	2	MG/KG	58	63	62	69
Lead	.2	MG/KG	ND	ND	ND	ND
Manganese	.1	MG/KG	1.22	1.62	1.42	1.13
Mercury	.01	MG/KG	0.056	0.073	0.069	0.052
Nickel	.2	MG/KG	<0.20	<0.20	ND	ND
Selenium	.06	MG/KG	0.78	0.84	0.75	0.87
Silver	.05	MG/KG	0.07	0.09	ND	<0.05
Thallium	.4	MG/KG	<0.40	<0.40	0.66	0.62
Tin	.2	MG/KG	0.23	<0.20	<0.20	<0.20
Zinc	.15	MG/KG	20.3	31.0	25.6	21.9
Total Solids	.4	WT%	50.9	44.6	44.5	52.7

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

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

From: 01-JAN-2010 To: 31-DEC-2010

Source:			RF-1	RF-2
Date:			2010	2010
Analyte:	MDL	Units	Average	Average
=====	=====	=====	=====	=====
Aluminum	3	MG/KG	ND	<3.00
Antimony	.2	MG/KG	ND	ND
Arsenic	.24	MG/KG	1.70	1.06
Beryllium	.006	MG/KG	ND	ND
Cadmium	.06	MG/KG	ND	ND
Chromium	.1	MG/KG	<0.10	ND
Copper	.1	MG/KG	0.29	0.40
Iron	2	MG/KG	<2.00	2.07
Lead	.2	MG/KG	ND	ND
Manganese	.1	MG/KG	ND	ND
Mercury	.01	MG/KG	0.184	0.144
Nickel	.2	MG/KG	ND	ND
Selenium	.06	MG/KG	0.302	0.327
Silver	.05	MG/KG	ND	ND
Thallium	.4	MG/KG	<0.40	<0.40
Tin	.2	MG/KG	ND	ND
Zinc	.15	MG/KG	3.78	3.23
Total Solids	.4	WT%	21.5	22.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
FISH LIVER - Chlorinated Pesticides

Annual 2010

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2010	2010	2010	2010
=====			Avg	Avg	Avg	Avg
Hexachlorobenzene	1.32	UG/KG	6.2	4.0	5.3	5.8
BHC, Gamma isomer	63.4	UG/KG	ND	ND	ND	ND
Heptachlor	3.82	UG/KG	ND	8.3	ND	ND
Aldrin	88.1	UG/KG	ND	ND	ND	ND
Heptachlor epoxide	3.89	UG/KG	ND	ND	ND	ND
o,p-DDE	2.79	UG/KG	<2.8	<2.8	<2.8	<2.8
Alpha Endosulfan	118	UG/KG	ND	ND	ND	ND
Alpha (cis) Chlordane	4.56	UG/KG	ND	ND	ND	ND
Trans Nonachlor	2.58	UG/KG	ND	ND	ND	ND
p,p-DDE	2.08	UG/KG	107	85.7	83.3	110
p,-p-DDMU	3.29	UG/KG	15.2	9.6	11.3	15.7
Dieldrin	17.1	UG/KG	ND	ND	ND	ND
o,p-DDD	2.02	UG/KG	ND	ND	ND	ND
Endrin	14.2	UG/KG	ND	ND	ND	ND
o,p-DDT	1.62	UG/KG	ND	ND	ND	ND
p,p-DDD	3.36	UG/KG	6.4	17.7	<3.4	7.3
p,p-DDT	2.69	UG/KG	8.9	10.0	8.3	9.8
Mirex	1.49	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

Annual 2010

Analyte	MDL	Units	RF-1	RF-2
			2010	2010
			Avg	Avg
Hexachlorobenzene	.13	UG/KG	0.13	0.18
BHC, Gamma isomer	6.34	UG/KG	ND	ND
Heptachlor	.38	UG/KG	ND	ND
Aldrin	8.81	UG/KG	ND	ND
Heptachlor epoxide	.39	UG/KG	ND	ND
o,p-DDE	.28	UG/KG	ND	<0.28
Alpha Endosulfan	11.8	UG/KG	ND	ND
Alpha (cis) Chlordane	.46	UG/KG	ND	ND
Trans Nonachlor	.26	UG/KG	ND	ND
p,p-DDE	.21	UG/KG	4.37	3.37
p,-p-DDMU	.33	UG/KG	<0.33	<0.33
Dieldrin	1.71	UG/KG	ND	ND
o,p-DDD	.2	UG/KG	ND	ND
Endrin	1.42	UG/KG	ND	ND
o,p-DDT	.16	UG/KG	ND	ND
p,p-DDD	.34	UG/KG	ND	E0.40
p,p-DDT	.27	UG/KG	ND	ND
Mirex	.15	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)

Annual 2010

Analyte	MDL	Units	TFZONE1	TFZONE2	TFZONE3	TFZONE4
			2010	2010	2010	2010
			Avg	Avg	Avg	Avg
PCB 18	2.86	UG/KG	ND	ND	ND	ND
PCB 28	2.47	UG/KG	ND	ND	ND	ND
PCB 49	5.02	UG/KG	E3.47	<5.02	E3.37	E3.83
PCB 37	2.77	UG/KG	ND	ND	ND	ND
PCB 70	2.49	UG/KG	4.20	<2.49	<2.49	E6.25
PCB 101	4.34	UG/KG	17.3	4.63	12.7	14.7
PCB 119	2.39	UG/KG	ND	ND	ND	ND
PCB 87	3.01	UG/KG	ND	ND	ND	ND
PCB 110	2.5	UG/KG	12.7	5.4	12.7	10.9
PCB 151	1.86	UG/KG	6.57	2.65	7.03	6.37
PCB 77	2.01	UG/KG	ND	ND	ND	ND
PCB 149	2.34	UG/KG	9.53	3.35	8.93	8.78
PCB 123	2.64	UG/KG	ND	ND	ND	ND
PCB 118	2.06	UG/KG	22.0	9.97	21.3	18.8
PCB 114	3.15	UG/KG	ND	ND	ND	ND
PCB 153/168	2.54	UG/KG	52.0	29.5	50.3	52.0
PCB 105	2.29	UG/KG	ND	<2.29	3.57	3.47
PCB 138	1.73	UG/KG	26.0	17.2	27.3	28.5
PCB 158	2.72	UG/KG	ND	ND	ND	ND
PCB 187	2.5	UG/KG	17.7	9.3	18.0	14.5
PCB 183	1.55	UG/KG	3.83	ND	1.70	4.38
PCB 126	1.52	UG/KG	ND	ND	ND	ND
PCB 128	1.23	UG/KG	5.23	2.95	6.07	5.88
PCB 167	1.63	UG/KG	ND	ND	ND	ND
PCB 177	1.91	UG/KG	ND	ND	ND	ND
PCB 156	.64	UG/KG	ND	ND	ND	ND
PCB 157	2.88	UG/KG	ND	ND	ND	ND
PCB 180	2.58	UG/KG	16.3	11.9	16.0	18.8
PCB 170	1.23	UG/KG	ND	ND	ND	ND
PCB 169	2.76	UG/KG	ND	ND	ND	ND
PCB 189	1.78	UG/KG	ND	ND	ND	ND
PCB 194	1.14	UG/KG	2.00	ND	3.40	3.43
PCB 206	1.28	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

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

Annual 2010

Analyte	MDL Units	RF-1	RF-2
		2010 Avg	2010 Avg
PCB 18	.29 UG/KG	ND	ND
PCB 28	.28 UG/KG	ND	ND
PCB 49	.5 UG/KG	ND	ND
PCB 37	.25 UG/KG	ND	ND
PCB 70	.25 UG/KG	ND	ND
PCB 101	.43 UG/KG	<0.43	ND
PCB 119	.24 UG/KG	ND	ND
PCB 87	.3 UG/KG	ND	ND
PCB 110	.25 UG/KG	ND	ND
PCB 151	.19 UG/KG	ND	ND
PCB 77	.2 UG/KG	ND	ND
PCB 149	.23 UG/KG	<0.23	0.27
PCB 123	.26 UG/KG	ND	ND
PCB 118	.21 UG/KG	0.43	<0.21
PCB 114	.31 UG/KG	ND	ND
PCB 153/168	.25 UG/KG	1.30	0.75
PCB 105	.23 UG/KG	ND	ND
PCB 138	.17 UG/KG	0.67	0.33
PCB 158	.27 UG/KG	<0.27	ND
PCB 187	.25 UG/KG	0.40	ND
PCB 183	.15 UG/KG	ND	ND
PCB 126	.15 UG/KG	ND	ND
PCB 128	.12 UG/KG	0.17	ND
PCB 167	.16 UG/KG	0.17	ND
PCB 177	.19 UG/KG	ND	ND
PCB 156	.06 UG/KG	0.23	ND
PCB 157	.29 UG/KG	<0.29	ND
PCB 180	.26 UG/KG	0.30	ND
PCB 170	.12 UG/KG	ND	ND
PCB 169	.28 UG/KG	ND	ND
PCB 189	.18 UG/KG	ND	ND
PCB 194	.11 UG/KG	0.30	ND
PCB 206	.13 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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