

VI. Annual Pretreatment Program Analyses

2008 Annual Pretreatment Program Analyses
(QUARTERLY SLUDGE PROJECT)

The Quarterly Sludge Project is part of the Pt. Loma WWTP NPDES (Permit No. CA0107409/Order No. 95-106) monitoring requirements. The sampling plan is designed so as to provide a “snapshot” of all of the physical and chemical characteristics monitored of the wastewater treatment waste streams for a short interval of time (1-2 days). This is conducted quarterly.

The Quarterly Sludge Project was conducted four times during 2008, composite sampling on February 12, May 12, August 12, and October 07, grab samples taken the second day from each on-going waste stream. Monthly composite samples of MBC dewatered sludge during the respective calendar months were taken and analyzed for a similar suite of parameters. The tables showing the results of these analyses follow in this section.

Pt. Loma WWTP Influent (PLR) and effluent (PLE) sewage are flow-proportioned 24-hr composites* taken by a refrigerated automatic continuous autosampler over the 24-hr periods from midnight to midnight of the sampling days. Two days of sampling were required for all of the required samples. The sampling locations are the influent and effluent channels.

Digested and raw sludge are sampled by operations staff and composited by the laboratory. The digested sludge sample is composited from 12 manual grab samples collected at two-hour intervals from the delivery lines to the North and South digesters. The raw sludge sample is composited from 12 manual grabs from the lines to the North and South digesters collected at two hour intervals.

The Metro Biosolids Center (MBC) uses a centrifuge dewatering process, the MBC centrate is the return stream source. This is a 24-hr composite collected with the refrigerated automatic composite sampler currently installed on the MBC combined centrate return stream line. MBC_NC_DSL and MBC_NC_RSL are the MBC Digested Sludge Line and NCWRP to MBC Raw Sludge Line respectively; MBC_NC_DSL composite sample was compiled from grabs collected every 2 hours for the 24 hours of the sampling program each quarter while MBC_NC_RSL is a 24-hr composite collected with the refrigerated automatic composite sampler.

Quarterly Sludge Project data for the North City Water Reclamation Plant and the South Bay Water Reclamation Plant are reported in the Pre-treatment monitoring sections of the Annuals submitted under separate cover for each of these facilities.

* pH, Grease & Oils, temperature, and conductivity are determined from grab samples.

Abbreviations:

PLR	Pt Loma WWTP influent.	RAW COMP	Pt. Loma raw sludge composite
PLE	Pt Loma WWTP effluent.	DIG COMP	Pt. Loma digested sludge composite
MBCDEWCN	MBC dewatered sludge from centrifuges.	MBC_COMBCN	MBC combined centrate from dewatering centrifuges.
MBC_NC_RSL	NCWRP to MBC raw sludge line	MBC_NC_DSL	MBC digested sludge line

A. Point Loma Wastewater Treatment Plant and Metro Biosolids Center Sources

POINT LOMA WASTEWATER TREATMENT PLANT

2008 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	PLR			
			12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Conductivity	10	umhos/cm	2750	2680	3140	3050
HEM (Grease & Oil)	1.2	mg/L	37.9	45.7	53.5	44.4
Total Suspended Solids	1.4	mg/L	249	323	286	281
Volatile Suspended Solids	1.6	mg/L	225	260	241	254
Total Alkalinity (bicarbonate)	20	mg/L	298	NR	290	300
Volatile Organic Acids		mg/L	NR	NR	NR	NR
Total Solids	10	mg/L	1840	2000	2150	2080
Total Solids		Wt%	NR	NR	NR	NR
Total Volatile Solids		Wt%	NR	NR	NR	NR
Total Kjeldahl Nitrogen	1.6	mg/L	44	50	46	52
Total Kjeldahl Nitrogen	.04	Wt%	NR	NR	NR	NR
BOD (Biochemical Oxygen Demand)	2	mg/L	267	288	286	278
Chemical Oxygen Demand		mg/kg	NR	NR	NR	NR
Chemical Oxygen Demand	18	mg/L	525	587	819	607
pH		pH Units	7.33	7.41	7.34	7.36
Ammonia-N	.3	mg/L	31.4	33.9	30.8	31.6
Total Volatile Solids	100	mg/L	490	590	536	541
Total Organic Carbon		mg/L	NR	NR	NR	NR
Turbidity	.13	NTU	134.0	145.0	148.0	157.0
Total Dissolved Solids	28	mg/L	1560	1620	1850	1790
MBAS (Surfactants)	.03	mg/L	9.83	10.40	13.80	10.40

Analyte	MDL	Units	PLE			
			12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Conductivity	10	umhos/cm	2690	2690	3110	3060
HEM (Grease & Oil)	1.2	mg/L	8.0	10.9	7.1	6.6
Total Suspended Solids	1.4	mg/L	27	43	24	27
Volatile Suspended Solids	1.6	mg/L	22	33	19	22
Total Alkalinity (bicarbonate)	20	mg/L	271	NR	282	282
Volatile Organic Acids		mg/L	NR	NR	NR	NR
Total Solids	10	mg/L	1590	1710	1890	1790
Total Solids		Wt%	NR	NR	NR	NR
Total Volatile Solids		Wt%	NR	NR	NR	NR
Total Kjeldahl Nitrogen	1.6	mg/L	38	41	40	42
Total Kjeldahl Nitrogen	.04	Wt%	NR	NR	NR	NR
BOD (Biochemical Oxygen Demand)	2	mg/L	95	99	88	81
Chemical Oxygen Demand		mg/kg	NR	NR	NR	NR
Chemical Oxygen Demand	18	mg/L	197	229	184	233
pH		pH Units	7.11	7.17	7.30	7.17
Ammonia-N	.3	mg/L	30.8	32.2	32.2	30.0
Total Volatile Solids	100	mg/L	287	340	312	296
Total Organic Carbon		mg/L	NR	NR	NR	NR
Turbidity	.13	NTU	33.0	41.0	34.1	34.4
Total Dissolved Solids	28	mg/L	1530	1630	1920	1770
MBAS (Surfactants)	.03	mg/L	6.84	7.10	5.83	6.23

POINT LOMA WASTEWATER TREATMENT PLANT

2008 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Conductivity	10 umhos/cm	NR	NR	NR	NR
HEM (Grease & Oil)	1.2 mg/L	NR	NR	NR	NR
Total Suspended Solids	1.4 mg/L	NR	NR	NR	NR
Volatile Suspended Solids	1.6 mg/L	NR	NR	NR	NR
Total Alkalinity (bicarbonate)	20 mg/L	704	540	600	811
Volatile Organic Acids	mg/L	NR	NR	NR	NR
Total Solids	10 mg/L	NR	NR	NR	NR
Total Solids	Wt%	2.82	3.48	3.60	2.64
Total Volatile Solids	Wt%	78	79	79	79
Total Kjeldahl Nitrogen	1.6 mg/L	NR	NR	NR	NR
Total Kjeldahl Nitrogen	.04 Wt%	3.1	2.5	2.8	3.5
BOD (Biochemical Oxygen Demand)	2 mg/L	NR	NR	NR	NR
Chemical Oxygen Demand	mg/kg	NR	NR	NR	NR
Chemical Oxygen Demand	18 mg/L	NR	NR	NR	NR
pH	pH Units	6.48	6.13	5.93	6.09
pH (grab sample)	pH Units	NR	NR	NR	NR
Ammonia-N	.3 mg/L	NR	NR	NR	NR
Total Volatile Solids	100 mg/L	NR	NR	NR	NR
Total Organic Carbon	mg/L	NR	NR	NR	NR
Turbidity	.13 NTU	NR	NR	NR	NR
Total Dissolved Solids	28 mg/L	NR	NR	NR	NR
MBAS (Surfactants)	.03 mg/L	NR	NR	NR	NR

Analyte	MDL Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Conductivity	10 umhos/cm	NR	NR	NR	NR
HEM (Grease & Oil)	1.2 mg/L	NR	NR	NR	NR
Total Suspended Solids	1.4 mg/L	NR	NR	NR	NR
Volatile Suspended Solids	1.6 mg/L	NR	NR	NR	NR
Total Alkalinity (bicarbonate)	20 mg/L	2810	2260	2170	2240
Volatile Organic Acids	mg/L	NR	NR	NR	NR
Total Solids	10 mg/L	NR	NR	NR	NR
Total Solids	Wt%	1.86	1.80	2.21	1.87
Total Volatile Solids	Wt%	56	59	60	58
Total Kjeldahl Nitrogen	1.6 mg/L	NR	NR	NR	NR
Total Kjeldahl Nitrogen	.04 Wt%	6.0	6.7	5.5	7.3
BOD (Biochemical Oxygen Demand)	2 mg/L	NR	NR	NR	NR
Chemical Oxygen Demand	mg/kg	NR	NR	NR	NR
Chemical Oxygen Demand	18 mg/L	NR	NR	NR	NR
pH	pH Units	7.38	7.23	7.20	7.15
pH (grab sample)	pH Units	NR	NR	NR	NR
Ammonia-N	.3 mg/L	NR	NR	NR	NR
Total Volatile Solids	100 mg/L	NR	NR	NR	NR
Total Organic Carbon	mg/L	NR	NR	NR	NR
Turbidity	.13 NTU	NR	NR	NR	NR
Total Dissolved Solids	28 mg/L	NR	NR	NR	NR
MBAS (Surfactants)	.03 mg/L	NR	NR	NR	NR

POINT LOMA WASTEWATER TREATMENT PLANT

2008 Quarterly Sludge Project

Physical/Aggregate Properties Report

MBC

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			GRAB	GRAB	GRAB	GRAB	COMPOSITE
			13-FEB-2008	14-MAY-2008	12-AUG-2008	07-OCT-2008	12-FEB-2008
Conductivity	10	umhos/cm	NR	NR	NR	NR	4790
HEM (Grease & Oil)	1.2	mg/L	8.0	10.2	31.0	38.9	NR
Total Suspended Solids	1.4	mg/L	NR	NR	NR	NR	495
Volatile Suspended Solids	1.6	mg/L	NR	NR	NR	NR	370
Total Alkalinity (bicarbonate)	20	mg/L	NR	NR	NR	NR	1380
Volatile Organic Acids		mg/L	NR	NR	NR	NR	NR
Total Solids		mg/L	NR	NR	NR	NR	NR
Total Solids		Wt%	NR	NR	NR	NR	0.27
Total Volatile Solids		Wt%	NR	NR	NR	NR	37
Total Kjeldahl Nitrogen	1.6	mg/L	NR	NR	NR	NR	384
Total Kjeldahl Nitrogen	.04	Wt%	NR	NR	NR	NR	NR
BOD (Biochemical Oxygen Demand)	2	mg/L	NR	NR	NR	NR	231
Chemical Oxygen Demand		mg/kg	NR	NR	NR	NR	NR
Chemical Oxygen Demand	18	mg/L	NR	NR	NR	NR	792
pH	.08	pH Units	NR	NR	NR	NR	7.89
pH (grab sample)		pH Units	7.56	7.60	7.68	7.56	NR
Ammonia-N	.3	mg/L	NR	NR	NR	NR	332.0
Total Volatile Solids		mg/L	NR	NR	NR	NR	NR
Total Organic Carbon		mg/L	NR	NR	NR	NR	NR
Turbidity		NTU	NR	NR	NR	NR	NR

MBC

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBCDEWCN	MBCDEWCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			13-MAY-2008	12-AUG-2008	07-OCT-2008	29-FEB-2008	31-MAY-2008
Conductivity	10	umhos/cm	4900	5300	5300	NR	NR
HEM (Grease & Oil)	1.2	mg/L	NR	NR	NR	NR	NR
Total Suspended Solids	1.4	mg/L	490	630	750	NR	NR
Volatile Suspended Solids	1.6	mg/L	360	465	535	NR	NR
Total Alkalinity (bicarbonate)	20	mg/L	1020	1220	1140	NR	NR
Volatile Organic Acids		mg/L	NR	NR	NR	NR	NR
Total Solids		mg/L	NR	NR	NR	NR	NR
Total Solids		Wt%	0.33	0.38	0.34	29.70	28.20
Total Volatile Solids		Wt%	48	52	48	57	56
Total Kjeldahl Nitrogen	1.6	mg/L	361	351	359	NR	NR
Total Kjeldahl Nitrogen	.04	Wt%	NR	NR	NR	4.4	4.6
BOD (Biochemical Oxygen Demand)	2	mg/L	377	203	408	NR	NR
Chemical Oxygen Demand		mg/kg	NR	NR	NR	NR	NR
Chemical Oxygen Demand	18	mg/L	813	1050	2550	NR	NR
pH	.08	pH Units	7.82	7.83	7.93	7.76	7.62
pH (grab sample)		pH Units	NR	NR	NR	NR	NR
Ammonia-N	.3	mg/L	313.0	330.0	302.0	NR	NR
Total Volatile Solids		mg/L	NR	NR	NR	NR	NR
Total Organic Carbon		mg/L	NR	NR	NR	NR	NR
Turbidity		NTU	NR	NR	NR	NR	NR

POINT LOMA WASTEWATER TREATMENT PLANT

2008 Quarterly Sludge Project

Physical/Aggregate Properties Report

MBC

Analyte	MDL Units	MBCDEWCN	MBCDEWCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
		COMPOSITE 31-AUG-2008	COMPOSITE 31-OCT-2008	COMPOSITE 12-FEB-2008	COMPOSITE 13-MAY-2008	COMPOSITE 12-AUG-2008
Conductivity	10 umhos/cm	NR	NR	NR	NR	NR
HEM (Grease & Oil)	1.2 mg/L	NR	NR	NR	NR	NR
Total Suspended Solids	1.4 mg/L	NR	NR	NR	NR	NR
Volatile Suspended Solids	1.6 mg/L	NR	NR	NR	NR	NR
Total Alkalinity (bicarbonate)	20 mg/L	NR	NR	2540	2540	2150
Volatile Organic Acids	mg/L	NR	NR	NR	NR	NR
Total Solids	mg/L	NR	NR	NR	NR	NR
Total Solids	Wt%	27.20	28.30	2.21	2.24	2.16
Total Volatile Solids	Wt%	59	59	66	68	61
Total Kjeldahl Nitrogen	1.6 mg/L	NR	NR	1680	1760	1450
Total Kjeldahl Nitrogen	.04 Wt%	4.5	4.5	NR	NR	NR
BOD (Biochemical Oxygen Demand)	2 mg/L	NR	NR	NR	NR	NR
Chemical Oxygen Demand	mg/kg	NR	NR	NR	NR	NR
Chemical Oxygen Demand	18 mg/L	NR	NR	NR	NR	NR
pH	.08 pH Units	7.46	7.58	7.30	7.26	7.26
pH (grab sample)	pH Units	NR	NR	NR	NR	NR
Ammonia-N	.3 mg/L	NR	NR	NR	NR	NR
Total Volatile Solids	mg/L	NR	NR	NR	NR	NR
Total Organic Carbon	mg/L	NR	NR	NR	NR	NR
Turbidity	NTU	NR	NR	NR	NR	NR

MBC

Analyte	MDL Units	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
		COMPOSITE 07-OCT-2008	COMPOSITE 12-FEB-2008	COMPOSITE 13-MAY-2008	COMPOSITE 12-AUG-2008	COMPOSITE 07-OCT-2008
Conductivity	10 umhos/cm	NR	NR	NR	NR	NR
HEM (Grease & Oil)	1.2 mg/L	NR	NR	NR	NR	NR
Total Suspended Solids	1.4 mg/L	NR	9300	3780	5850	6080
Volatile Suspended Solids	1.6 mg/L	NR	7400	3140	4850	5320
Total Alkalinity (bicarbonate)	20 mg/L	2210	250	312	292	313
Volatile Organic Acids	mg/L	NR	NR	NR	NR	NR
Total Solids	mg/L	NR	NR	NR	NR	NR
Total Solids	Wt%	2.22	0.76	0.50	0.63	0.50
Total Volatile Solids	Wt%	68	73	71	73	70
Total Kjeldahl Nitrogen	1.6 mg/L	1770	315	151	207	200
Total Kjeldahl Nitrogen	.04 Wt%	NR	NR	NR	NR	NR
BOD (Biochemical Oxygen Demand)	2 mg/L	NR	NR	NR	NR	NR
Chemical Oxygen Demand	mg/kg	NR	NR	NR	NR	NR
Chemical Oxygen Demand	18 mg/L	NR	NR	NR	NR	NR
pH	.08 pH Units	7.22	6.80	6.97	6.70	6.85
pH (grab sample)	pH Units	NR	NR	NR	NR	NR
Ammonia-N	.3 mg/L	NR	NR	NR	NR	NR
Total Volatile Solids	mg/L	NR	NR	NR	NR	NR
Total Organic Carbon	mg/L	NR	NR	NR	NR	NR
Turbidity	NTU	NR	NR	NR	NR	NR

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		PLE	PLE	PLE	PLE
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414442	P424731	P434957	P443359
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	221	278	179	154
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.58	0.95	0.82	0.87
Barium	.039 UG/L	35	36	42	47
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	1.7 UG/L	402	460	467	469
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	1.8	2.4	<1.2	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	.63 UG/L	16	18	14	19
Iron	37 UG/L	2790	2950	2030	2610
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	101	104	110	114
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	7.5	8.3	12.7	9.5
Nickel	.53 UG/L	11	8	7	9
Selenium	.28 UG/L	1.33	1.30	0.87	1.01
Silver	.4 UG/L	ND	ND	ND	<0.4
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	ND	1.2	<0.6
Zinc	.41 UG/L	28	34	22	19
Bromide	.1 MG/L	1.33	1.47	1.89	1.44
Chloride	7 MG/L	513	552	694	636
Fluoride	.05 MG/L	0.84	0.71	0.85	0.86
Nitrate	.04 MG/L	0.98	0.34	ND	NA*
Ortho Phosphate	.2 MG/L	1.30	2.92	5.84	NA*
Sulfate	9 MG/L	258	221	262	264
Calcium	.04 MG/L	87	79	86	84
Lithium	.002 MG/L	0.05	0.04	0.04	0.04
Magnesium	.1 MG/L	54	52	61	57
Potassium	.3 MG/L	25	27	30	27
Sodium	1 MG/L	348	350	434	373
Calcium Hardness	.1 MG/L	218	197	216	210
Magnesium Hardness	.4 MG/L	221	216	251	233
Total Hardness	.4 MG/L	439	412	467	443
Cyanides, Total	.002 MG/L	ND	ND	ND	ND
Sulfides-Total	.18 MG/L	0.24	ND	ND	0.48
Total Kjeldahl Nitrogen	1.6 MG/L	37.7	40.6	39.8	42.1

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required

MBC_COMBCN = Combined Sludge Centrate
 MBC_NC_DSL = Combined North City Digested Sludge Line
 MBC_NC_RSL = Combined North City Raw Sludge Line

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		PLR	PLR	PLR	PLR
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414447	P424736	P434962	P443364
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	1940	1050	954	998
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.89	1.39	1.27	1.19
Barium	.039 UG/L	147	91	105	114
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	1.7 UG/L	400	440	460	470
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	18.8	12.1	5.2	8.0
Cobalt	.85 UG/L	1.0	ND	ND	ND
Copper	.63 UG/L	153	77	106	91
Iron	37 UG/L	8380	6530	6340	6730
Lead	2 UG/L	5	3	3	3
Manganese	.24 UG/L	120	103	108	113
Mercury	.09 UG/L	0.26	0.14	0.19	0.12
Molybdenum	.89 UG/L	10.5	9.0	13.1	9.9
Nickel	.53 UG/L	23	12	10	13
Selenium	.28 UG/L	3.07	1.79	1.65	1.81
Silver	.4 UG/L	2.6	1.3	1.2	1.3
Thallium	3.9 UG/L	ND	4	ND	ND
Vanadium	.64 UG/L	6.3	3.5	5.1	3.3
Zinc	.41 UG/L	267	159	157	185
Bromide	.1 MG/L	1.32	1.47	1.82	1.46
Chloride	7 MG/L	502	544	658	613
Fluoride	.05 MG/L	0.82	0.72	0.69	0.88
Nitrate	.04 MG/L	0.14	0.27	0.15	NA*
Ortho Phosphate	.2 MG/L	5.66	5.16	6.92	NA*
Sulfate	9 MG/L	261	221	265	268
Calcium	.04 MG/L	92	80	85	75
Lithium	.002 MG/L	0.05	0.04	0.04	0.04
Magnesium	.1 MG/L	56	53	60	53
Potassium	.3 MG/L	27	27	29	25
Sodium	1 MG/L	360	351	416	344
Calcium Hardness	.1 MG/L	230	200	212	187
Magnesium Hardness	.4 MG/L	229	216	245	219
Total Hardness	.4 MG/L	459	417	457	407
Cyanides,Total	.002 MG/L	ND	ND	ND	ND
Sulfides-Total	.18 MG/L	1.71	1.73	3.05	2.82
Total Kjeldahl Nitrogen	1.6 MG/L	43.7	50.0	45.6	51.9

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required

MBC_COMBCN = Combined Sludge Centrate
 MBC_NC_DSL = Combined North City Digested Sludge Line
 MBC_NC_RSL = Combined North City Raw Sludge Line

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414457	P424746	P434972	P443374
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	1700	1460	1980	3340
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	5.28	3.27	3.20	4.23
Barium	.039 UG/L	174	134	200	314
Beryllium	.022 UG/L	ND	0.05	0.03	0.09
Boron	1.7 UG/L	415	414	455	450
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	24.0	11.8	16.7	31.5
Cobalt	.85 UG/L	3.9	2.9	3.4	4.0
Copper	.63 UG/L	117	133	226	326
Iron	37 UG/L	31500	32400	40000	48700
Lead	2 UG/L	5	ND	4	11
Manganese	.24 UG/L	269	363	507	488
Mercury	.09 UG/L	0.17	1.02	0.24	0.37
Molybdenum	.89 UG/L	7.5	6.1	9.0	12.1
Nickel	.53 UG/L	41	29	33	52
Selenium	.28 UG/L	2.88	2.57	3.29	4.30
Silver	.4 UG/L	1.8	2.2	3.4	3.1
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	3.3	1.9	3.5	10.2
Zinc	.41 UG/L	196	177	289	461
Bromide	.1 MG/L	0.92	1.10	1.12	1.41
Chloride	7 MG/L	637	849	995	956
Fluoride	.05 MG/L	0.36	0.27	ND	ND
Nitrate	.04 MG/L	0.37	0.54	0.17	NA*
Ortho Phosphate	.2 MG/L	1.97	3.08	5.49	NA*
Sulfate	9 MG/L	85	73	58	50
Calcium	.04 MG/L	84	90	168	194
Lithium	.002 MG/L	0.05	0.05	0.05	0.06
Magnesium	.1 MG/L	55	63	66	77
Potassium	.3 MG/L	46	52	48	58
Sodium	1 MG/L	270	322	316	367
Calcium Hardness	.1 MG/L	208	224	420	484
Magnesium Hardness	.4 MG/L	226	261	274	319
Total Hardness	.4 MG/L	434	485	694	803
Cyanides,Total	.002 MG/L	0.003	0.003	0.007	0.004
Sulfides-Total	.18 MG/L	1.18	0.31	3.33	8.03
Total Kjeldahl Nitrogen	1.6 MG/L	384.0	361.0	351.0	359.0

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required

MBC_COMBCN = Combined Sludge Centrate
 MBC_NC_DSL = Combined North City Digested Sludge Line
 MBC_NC_RSL = Combined North City Raw Sludge Line

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414511	P424800	P435026	P443428
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	176000	185000	53400	45400
Antimony	2.9 UG/L	76	74	54	13
Arsenic	.4 UG/L	143.00	128.00	93.40	120.00
Barium	.039 UG/L	9110	8810	3620	2460
Beryllium	.022 UG/L	8.19	6.67	1.80	0.40
Boron	1.7 UG/L	839	1190	575	543
Cadmium	.53 UG/L	35.3	17.5	8.4	5.0
Chromium	1.2 UG/L	1810.0	1080.0	496.0	315.0
Cobalt	.85 UG/L	94.4	71.1	32.7	32.3
Copper	.63 UG/L	13000	14500	5860	4850
Iron	37 UG/L	1460000	1430000	578000	350000
Lead	2 UG/L	265	158	313	78
Manganese	.24 UG/L	5450	6010	2600	2190
Mercury	.09 UG/L	25.90	17.50	25.60	15.80
Molybdenum	.89 UG/L	398.0	376.0	171.0	146.0
Nickel	.53 UG/L	1530	886	474	423
Selenium	.28 UG/L	142.00	147.00	117.00	137.00
Silver	.4 UG/L	223.0	344.0	138.0	49.9
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	239.0	219.0	112.0	69.0
Zinc	.41 UG/L	15800	16600	6630	4090
Bromide	.1 MG/L	0.61	0.67	1.23	1.03
Chloride	7 MG/L	830	991	1230	1060
Fluoride	.05 MG/L	0.29	0.30	0.59	ND
Nitrate	.04 MG/L	0.34	0.28	0.23	NA*
Ortho Phosphate	.2 MG/L	1.64	2.16	ND	NA*
Sulfate	9 MG/L	32	36	34	32
Calcium	.04 MG/L	88	48	111	100
Lithium	.002 MG/L	0.05	0.05	0.05	0.06
Magnesium	.1 MG/L	58	62	77	68
Potassium	.3 MG/L	71	77	65	64
Sodium	1 MG/L	219	236	339	215
Cyanides, Total	.002 MG/L	0.025	0.011	0.007	0.028
Sulfides-Total	.18 MG/L	416.00	394.00	455.00	483.00
Sulfides-Reactive	11 MG/KG	98	183	151	120
Total Kjeldahl Nitrogen	1.6 MG/L	1680.0	1760.0	1450.0	1770.0

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

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 NR= Not Required

MBC_COMBCN = Combined Sludge Centrate
 MBC_NC_DSL = Combined North City Digested Sludge Line
 MBC_NC_RSL = Combined North City Raw Sludge Line

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414509	P424798	P435024	P443426
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	10300	74900	17900	3690
Antimony	2.9 UG/L	ND	43	17	ND
Arsenic	.4 UG/L	32.60	16.20	20.20	15.80
Barium	.039 UG/L	514	3110	970	235
Beryllium	.022 UG/L	ND	0.82	0.15	ND
Boron	1.7 UG/L	378	1310	548	463
Cadmium	.53 UG/L	1.5	13.6	2.8	ND
Chromium	1.2 UG/L	66.2	196.0	73.8	18.2
Cobalt	.85 UG/L	5.0	16.1	3.7	ND
Copper	.63 UG/L	585	3670	1790	353
Iron	37 UG/L	52500	57000	121000	20800
Lead	2 UG/L	31	252	21	2
Manganese	.24 UG/L	426	1530	1100	501
Mercury	.09 UG/L	3.46	5.21	5.07	2.57
Molybdenum	.89 UG/L	18.1	200.0	47.9	11.9
Nickel	.53 UG/L	60	209	85	34
Selenium	.28 UG/L	34.30	13.60	18.30	14.40
Silver	.4 UG/L	7.5	145.0	32.3	5.9
Thallium	3.9 UG/L	5	36	ND	ND
Vanadium	.64 UG/L	8.8	90.7	16.9	6.1
Zinc	.41 UG/L	701	9330	1780	367
Bromide	.1 MG/L	0.52	0.56	0.48	0.52
Chloride	7 MG/L	311	396	384	420
Fluoride	.05 MG/L	0.57	0.43	0.44	0.51
Nitrate	.04 MG/L	0.22	0.22	ND	NA*
Ortho Phosphate	.2 MG/L	14.20	50.20	46.20	NA*
Sulfate	9 MG/L	145	56	96	80
Calcium	.04 MG/L	87	84	84	111
Lithium	.002 MG/L	0.05	0.04	0.04	0.06
Magnesium	.1 MG/L	39	41	40	49
Potassium	.3 MG/L	26	32	28	35
Sodium	1 MG/L	187	205	191	230
Cyanides, Total	.002 MG/L	0.005	ND	0.005	0.006
Sulfides-Total	.18 MG/L	49.10	26.70	41.10	33.60
Sulfides-Reactive	11 MG/KG	30	19	79	36
Total Kjeldahl Nitrogen	1.6 MG/L	315.0	151.0	207.0	200.0

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
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 NS= Not Sampled
 NR= Not Required

MBC_COMBCN = Combined Sludge Centrate
 MBC_NC_DSL = Combined North City Digested Sludge Line
 MBC_NC_RSL = Combined North City Raw Sludge Line

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414482	P424771	P434997	P443399
=====	=====	=====	=====	=====	=====
Aluminum	4 MG/KG	3630	3260	3140	3260
Antimony	.5 MG/KG	2.0	1.9	1.5	1.5
Arsenic	.68 MG/KG	1.48	0.74	ND	0.95
Barium	.05 MG/KG	278.00	238.00	249.00	271.00
Beryllium	.02 MG/KG	0.10	0.05	ND	0.07
Boron	.7 MG/KG	17.2	17.1	15.9	22.8
Cadmium	.1 MG/KG	0.85	1.42	0.99	0.89
Chromium	.3 MG/KG	43.0	40.7	25.3	27.4
Cobalt	.2 MG/KG	0.6	0.8	1.3	1.1
Copper	.4 MG/KG	326	352	371	387
Iron	20 MG/KG	39400	40000	39900	35400
Lead	2 MG/KG	8.8	14.5	11.5	10.5
Manganese	.2 MG/KG	116	131	120	113
Mercury	.4 MG/KG	<0.40	0.90	0.74	0.52
Molybdenum	.1 MG/KG	5.9	7.9	10.6	10.0
Nickel	.3 MG/KG	27	39	24	21
Selenium	.47 MG/KG	2.10	1.85	2.25	1.80
Silver	.07 MG/KG	4.9	5.9	6.4	5.1
Thallium	1 MG/KG	ND	ND	ND	ND
Vanadium	.2 MG/KG	12.5	13.6	12.3	9.2
Zinc	8 MG/KG	505	549	487	531
Bromide	3 MG/KG	36.9	41.1	44.9	93.9
Chloride	180 MG/KG	15500	28000	24700	21200
Fluoride	1.3 MG/KG	ND	ND	15.1	ND
Nitrate	1 MG/KG	8.12	6.41	ND	NA*
Ortho Phosphate	4 MG/KG	500.0	60.9	3720.0	NA*
Sulfate	220 MG/KG	3250	836	844	1100
Cyanides, Total	.1 MG/KG	1.76	1.67	1.44	3.43
Cyanide, Releaseable	.018 MG/KG	ND	ND	ND	ND
Sulfides-Total	2170 MG/KG	38900	26900	23000	33700
Sulfides-Reactive	11 MG/KG	34	55	162	108
Total Kjeldahl Nitrogen	.04 WT%	3.11	2.54	2.75	3.53

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
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 NR= Not Required

RAW COMP = Point Loma Raw Sludge Composite
 DIG COMP = Point Loma Digested Sludge Composite
 MBCDEWCN = MBC Dewatered Sludge Composite

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:		12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
Sample ID:	MDL Units	P414496	P424785	P435011	P443413
=====	====	=====	=====	=====	=====
Aluminum	4 MG/KG	6100	5790	5400	5390
Antimony	.5 MG/KG	4.0	3.1	2.3	2.5
Arsenic	.68 MG/KG	4.02	2.19	1.66	1.72
Barium	.05 MG/KG	443.00	451.00	418.00	420.00
Beryllium	.02 MG/KG	0.37	0.29	0.08	0.34
Boron	.7 MG/KG	28.3	32.7	30.5	37.0
Cadmium	.1 MG/KG	1.75	1.49	1.51	1.41
Chromium	.3 MG/KG	114.0	53.4	57.4	65.8
Cobalt	.2 MG/KG	2.8	1.9	3.0	3.2
Copper	.4 MG/KG	547	577	665	670
Iron	20 MG/KG	84200	77200	84400	75200
Lead	2 MG/KG	14.4	15.7	17.9	17.5
Manganese	.2 MG/KG	220	243	265	255
Mercury	.4 MG/KG	1.06	1.16	1.07	0.72
Molybdenum	.1 MG/KG	14.1	14.5	18.7	20.1
Nickel	.3 MG/KG	99	54	56	68
Selenium	.47 MG/KG	4.09	4.36	4.95	3.80
Silver	.07 MG/KG	10.8	9.6	9.1	7.8
Thallium	1 MG/KG	ND	ND	ND	ND
Vanadium	.2 MG/KG	23.4	26.6	20.9	18.6
Zinc	8 MG/KG	817	875	796	885
Bromide	3 MG/KG	74.0	97.2	89.2	94.4
Chloride	180 MG/KG	38400	60300	62300	67700
Fluoride	1.3 MG/KG	19.7	15.5	30.1	32.5
Nitrate	1 MG/KG	14.70	18.70	11.60	NA*
Ortho Phosphate	4 MG/KG	77.2	324.0	253.0	NA*
Sulfate	220 MG/KG	1510	1430	1340	1630
Cyanides, Total	.1 MG/KG	2.39	7.90	6.35	10.70
Cyanide, Releaseable	.018 MG/KG	ND	ND	ND	ND
Sulfides-Total	2170 MG/KG	27800	31900	38200	19200
Sulfides-Reactive	11 MG/KG	66	130	154	136
Total Kjeldahl Nitrogen	.04 WT%	6.01	6.71	5.53	7.28

*Acceptance criteria was no met; Check sample check percent recovery less than 90%.

ND= Not Detected
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 NR= Not Required

RAW COMP = Point Loma Raw Sludge Composite
 DIG COMP = Point Loma Digested Sludge Composite
 MBCDEWCN = MBC Dewatered Sludge Composite

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 (Metals from Digestion and Ions from Supernatant)

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

Source:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:		29-FEB-2008	31-MAY-2008	31-AUG-2008	31-OCT-2008
Sample ID:	MDL Units	P419045	P428696	P439699	P446405
=====	=====	=====	=====	=====	=====
Aluminum	4 MG/KG	6870	7150	6680	6520
Antimony	.5 MG/KG	4.4	4.0	2.9	3.0
Arsenic	.68 MG/KG	4.02	3.23	3.28	3.06
Barium	.05 MG/KG	479.00	432.00	459.00	474.00
Beryllium	.02 MG/KG	0.34	0.28	0.15	0.29
Boron	.7 MG/KG	13.0	16.1	15.9	24.3
Cadmium	.1 MG/KG	2.60	1.60	1.66	1.55
Chromium	.3 MG/KG	110.0	63.6	72.1	69.1
Cobalt	.2 MG/KG	2.4	2.3	3.1	3.2
Copper	.4 MG/KG	604	664	770	780
Iron	20 MG/KG	95600	90300	99000	89000
Lead	2 MG/KG	15.3	16.0	19.9	19.2
Manganese	.2 MG/KG	269	288	319	308
Mercury	.4 MG/KG	1.21	1.31	1.39	1.67
Molybdenum	.1 MG/KG	15.0	16.6	22.5	23.1
Nickel	.3 MG/KG	87	58	63	67
Selenium	.47 MG/KG	5.09	5.39	5.61	5.08
Silver	.07 MG/KG	10.1	10.9	10.6	9.1
Thallium	1 MG/KG	ND	ND	ND	ND
Vanadium	.2 MG/KG	23.0	28.7	23.2	20.2
Zinc	8 MG/KG	880	897	885	978
Bromide	3 MG/KG	NA	NA	NA	NA
Cyanides, Total	.1 MG/KG	1.96	1.87	2.42	4.40
Cyanide, Releaseable	.018 MG/KG	ND	ND	ND	ND
Sulfides-Total	2170 MG/KG	9260	16900	22400	12300
Sulfides-Reactive	11 MG/KG	22	ND	21	ND
Total Kjeldahl Nitrogen	.04 WT%	4.41	4.57	4.47	4.49

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 NR= Not Required

RAW COMP = Point Loma Raw Sludge Composite
 DIG COMP = Point Loma Digested Sludge Composite
 MBCDEWCN = MBC Dewatered Sludge Composite

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Radioactivity

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

Analyzed by: TestAmerica Laboratories Richland

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	12-FEB-2008	P414442	1.7±1.0	22.8±5.2
PLE	13-MAY-2008	P424731	1.3±1.0	23.4±5.3
PLE	12-AUG-2008	P434957	6.1±3.2	31.3±8.9
PLE	07-OCT-2008	P443359	2.7±2.6	22.2±5.8
PLR	12-FEB-2008	P414447	2.1±1.2	30.4±6.1
PLR	13-MAY-2008	P424736	4.0±1.7	27.5±5.9
PLR	12-AUG-2008	P434962	7.2±3.7	32.7±7.3
PLR	07-OCT-2008	P443364	5.0±3.2	34.9±7.9
MBC_COMBCN	12-FEB-2008	P414457	1.9±1.2	52.0±9.6
MBC_COMBCN	13-MAY-2008	P424746	2.4±1.4	42.3±8.0
MBC_COMBCN	12-AUG-2008	P434972	5.2±3.1	52.8±9.4
MBC_COMBCN	07-OCT-2008	P443374	8.5±4.4	52.4±9.0

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	29-FEB-2008	P419045	5420±4700	8500±2850
MBCDEWCN	31-MAY-2008	P428696	3830±4595	10600±3790
MBCDEWCN	31-AUG-2008	P439699	3650±2840	10200±3220
MBCDEWCN	31-OCT-2008	P446405	3690±3045	10800±2610

Units in picocuries per Kilogram (pCi/Kg)

ND= Not Detected
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 NS= Not Sampled
 NR= Not Required

POINT LOMA WASTEWATER TREATMENT PLANT/METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY

Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2008 P414442	13-MAY-2008 P424731	12-AUG-2008 P434957	07-OCT-2008 P443359	12-FEB-2008 P414447	13-MAY-2008 P424736
Aldrin	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	<10.0	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	4.0	ND	13.0	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	8	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	8	NG/L	0.0	0.0	4.0	0.0	13.0	0.0
Hexachlorocyclohexanes	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	4.0	0.0	13.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT/METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY

Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			12-AUG-2008	07-OCT-2008	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
			P434962	P443364	P414457	P424746	P434972	P443374
Aldrin	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	4	NG/L	5.0	ND	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	8	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	8	NG/L	5.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	5.0	0.0	0.0	0.0	0.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT/METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY

Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			12-FEB-2008 P414511	13-MAY-2008 P424800	12-AUG-2008 P435026	07-OCT-2008 P443428
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	250.0
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0.0	0.0	0.0	0.0
Endosulfans	6	NG/L	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	6	NG/L	0.0	0.0	0.0	0.0
DDT and derivatives	8	NG/L	0.0	0.0	0.0	250.0
Hexachlorocyclohexanes	7	NG/L	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	7	NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	0.0	250.0

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

POINT LOMA WASTEWATER TREATMENT PLANT/METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY

Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP
			12-FEB-2008 P414509	13-MAY-2008 P424798	12-AUG-2008 P435024	07-OCT-2008 P443426	12-FEB-2008 P414482	13-MAY-2008 P424771
Aldrin	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	880.0	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	8	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	8	NG/L	0.0	0.0	0.0	880.0	0.0	0.0
Hexachlorocyclohexanes	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	0.0	880.0	0.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT/METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY

Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			12-AUG-2008 P434997	07-OCT-2008 P443399	12-FEB-2008 P414496	13-MAY-2008 P424785	12-AUG-2008 P435011	07-OCT-2008 P443413
Aldrin	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND	320.0	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	8	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	6	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	8	NG/L	0.0	0.0	0.0	0.0	320.0	0.0
Hexachlorocyclohexanes	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	7	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	0.0	0.0	320.0	0.0

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

METROBIOSOLIDS CENTER
 ANNUAL SLUDGE - Chlorinated Pesticide Analysis
 From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2008 P416211	29-FEB-2008 P419045	31-MAR-2008 P421504	30-APR-2008 P425830	31-MAY-2008 P428696
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	32000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	ND	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	16000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	14000	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	120000
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	ND	36000	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	32000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	0	0	0	0	0
Chlordane + related cmpds.	48000	NG/KG	14000	0	0	0	120000
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	14000	0	0	36000	120000

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

METROBIOSOLIDS CENTER
 ANNUAL SLUDGE - Chlorinated Pesticide Analysis
 From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-JUN-2008 P432370	31-JUL-2008 P434523	31-AUG-2008 P439699	30-SEP-2008 P443814	31-OCT-2008 P446405
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	32000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	ND	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	89500	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	16000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	ND	ND	105000	120000	155000
Gamma (trans) Chlordane	48000	NG/KG	135000	79500	115000	125000	105000
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	ND	ND	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	32000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	0	0	89500	0	0
Chlordane + related cmpds.	48000	NG/KG	135000	79500	220000	245000	260000
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	135000	79500	309500	245000	260000

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

METROBIOSOLIDS CENTER
 ANNUAL SLUDGE - Chlorinated Pesticide Analysis
 From 01-JAN-2008 To 31-DEC-2008

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-NOV-2008 P452340	31-DEC-2008 P454841	Annual Average
Aldrin	71000	NG/KG	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND
BHC, Beta isomer	32000	NG/KG	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND
p,p-DDE	28000	NG/KG	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	64500	123000	23083
o,p-DDE	52000	NG/KG	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND
Heptachlor	16000	NG/KG	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	ND	ND	32833
Gamma (trans) Chlordane	48000	NG/KG	62500	89000	69250
Alpha Chlordene		NG/KG	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	3000
Cis Nonachlor	52000	NG/KG	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0
Hexachlorocyclohexanes	32000	NG/KG	0	0	0
DDT and derivatives	71000	NG/KG	64500	123000	23083
Chlordane + related cmpds.	48000	NG/KG	62500	89000	102083
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	127000	212000	128167

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

POINT LOMA WASTEWATER TREATMENT PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

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

Analyte	MDL Units	PLE	PLE	PLR	PLR	MBC_COMBCN
		13-MAY-2008 P424731	07-OCT-2008 P443359	13-MAY-2008 P424736	07-OCT-2008 P443364	13-MAY-2008 P424746
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0	0.0
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

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

Analyte	MDL Units	MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
		07-OCT-2008 P443374	13-MAY-2008 P424800	07-OCT-2008 P443428	13-MAY-2008 P424798	07-OCT-2008 P443426
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0	0.0
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

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

Analyte	MDL Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP
		13-MAY-2008 P424771	07-OCT-2008 P443399	13-MAY-2008 P424785	07-OCT-2008 P443413
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

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

METROBIOSOLIDS CENTER
Organophosphorus Pesticides EPA Method 614/622 (with additions)

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			31-MAY-2008	31-OCT-2008
			P428696	P446405
Demeton O	67	UG/KG	ND	ND
Demeton S	27	UG/KG	ND	ND
Diazinon		UG/KG	ND	ND
Guthion	33	UG/KG	ND	ND
Malathion	20	UG/KG	ND	ND
Parathion	20	UG/KG	ND	ND
Tetraethylpyrophosphate		UG/KG	NA	NA
Dichlorvos	17	UG/KG	ND	ND
Dibrom		UG/KG	ND	ND
Ethoprop	27	UG/KG	ND	ND
Phorate	17	UG/KG	ND	ND
Sulfotepp	17	UG/KG	ND	ND
Disulfoton	20	UG/KG	ND	ND
Monocrotophos		UG/KG	NA	NA
Dimethoate	27	UG/KG	ND	ND
Ronnel	20	UG/KG	ND	ND
Trichloronate	20	UG/KG	ND	ND
Merphos	17	UG/KG	ND	ND
Dichlofenthion	20	UG/KG	ND	ND
Tokuthion	17	UG/KG	ND	ND
Stirophos	20	UG/KG	ND	ND
Bolstar	50	UG/KG	ND	ND
Fensulfothion	100	UG/KG	ND	ND
EPN	33	UG/KG	ND	ND
Coumaphos	33	UG/KG	ND	ND
Mevinphos, e isomer	17	UG/KG	ND	ND
Mevinphos, z isomer	100	UG/KG	ND	ND
Chlorpyrifos		UG/KG	ND	ND
Thiophosphorus Pesticides	33	UG/KG	0.0	0.0
Demeton -O, -S	67	UG/KG	0.0	0.0
Total Organophosphorus Pesticides	100	UG/KG	0.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY

Tributyl Tin (Sewage)

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

	PLE	PLE	PLE	PLE	PLR	PLR	PLR
	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008	12-FEB-2008	13-MAY-2008	12-AUG-2008
	P414442	P424731	P434957	P443359	P414447	P424736	P434962
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND

	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBCDEWCN	MBCDEWCN
	07-OCT-2008	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008	31-MAY-2008	31-OCT-2008
	P443364	P414457	P424746	P434972	P443374	P428696	P446405
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND

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

METROBIOSOLIDS CENTER
 Quarterly Sludge Project
 Herbicide Analysis

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

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	29-FEB-2008	31-MAY-2008	31-OCT-2008
=====	=====	=====	P419045	P428696	P446405
2,4-dichlorophenoxyacetic acid	2.66	MG/KG	ND	ND	ND
2,4,5-TP (Silvex)	2.87	MG/KG	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2008 P414442	13-MAY-2008 P424731	12-AUG-2008 P434957	07-OCT-2008 P443359	12-FEB-2008 P414447	13-MAY-2008 P424736
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	11.1	15.4	11.2	12.3	17.4	17.8
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	NA	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	37.2	46.9	31.5	34.7	58.0	51.9
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	11.1	15.4	11.2	12.3	17.4	17.8
Phenols	6.07	UG/L	11.1	15.4	11.2	12.3	17.4	17.8

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			12-AUG-2008 P434962	07-OCT-2008 P443364	12-FEB-2008 P414457	13-MAY-2008 P424746	12-AUG-2008 P434972	07-OCT-2008 P443374
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	14.6	15.2	3.4	7.3	ND	2.1
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	NA	ND	ND	ND	NA
4-methylphenol(3-MP is unresolved)	4.22	UG/L	35.1	37.3	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	14.6	15.2	3.4	7.3	0.0	2.1
Phenols	6.07	UG/L	14.6	15.2	3.4	7.3	0.0	2.1

nd= not detected, NA= not analyzed NS= not sampled MDL based on 1 liter sample

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625

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

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP	DIG COMP
			12-FEB-2008 P414482	13-MAY-2008 P424771	12-AUG-2008 P434997	12-FEB-2008 P414496	13-MAY-2008 P424785	12-AUG-2008 P435011
2-chlorophenol	1.76	UG/L	<21.3	<19.6	<14.8	<17.1	<19.0	<12.6
2,4-dichlorophenol	1.95	UG/L	<23.6	<21.7	<11.3	<18.9	<21.0	<9.6
4-chloro-3-methylphenol	1.67	UG/L	<16.2	<14.9	<18.7	<13.0	<14.4	<15.9
2,4,6-trichlorophenol	1.75	UG/L	<21.2	<19.5	<18.5	<17.0	<18.9	<15.7
Pentachlorophenol	5.87	UG/L	<71.1	<65.3	<12.5	<56.9	<63.3	<10.7
Phenol	2.53	UG/L	133.0	105.0	36.0	<24.5	<27.3	<16.8
2-nitrophenol	1.88	UG/L	<22.8	<20.9	<17.4	<18.2	<20.3	<14.8
2,4-dimethylphenol	2.01	UG/L	<16.0	<14.7	<22.5	<12.8	<14.2	<19.2
2,4-dinitrophenol	6.07	UG/L	<73.6	<67.5	<24.2	<58.9	<65.4	<20.6
4-nitrophenol	3.17	UG/L	<38.4	<35.2	<12.8	<30.7	<34.2	<10.9
2-methyl-4,6-dinitrophenol	4.29	UG/L	<52.0	<47.7	<17.0	<41.6	<46.2	<14.5
2-methylphenol	2.15	UG/L	<18.3	<16.8	<24.1	<14.6	<16.3	<20.5
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	361.0	512.0	643.0	<40.9	<45.5	178.0
2,4,5-trichlorophenol	1.66	UG/L	<20.1	<18.5	<18.6	<16.1	<17.9	<15.8
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	133.0	105.0	36.0	0.0	0.0	0.0
Phenols	6.07	UG/L	133.0	105.0	36.0	0.0	0.0	0.0

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			12-FEB-2008 P414511	13-MAY-2008 P424800	12-AUG-2008 P435026	12-FEB-2008 P414509	13-MAY-2008 P424798	12-AUG-2008 P435024
2-chlorophenol	1.76	UG/L	<23.6	<20.6	<17.2	<14.3	<13.2	<1.3
2,4-dichlorophenol	1.95	UG/L	<26.2	<22.8	<13.1	<15.9	<14.6	<1.0
4-chloro-3-methylphenol	1.67	UG/L	<18.0	<15.7	<21.7	<10.9	<10.0	<1.7
2,4,6-trichlorophenol	1.75	UG/L	<23.5	<20.5	<21.5	<14.3	<13.1	<1.7
Pentachlorophenol	5.87	UG/L	<78.8	<68.7	<14.6	<47.8	<43.9	<1.1
Phenol	2.53	UG/L	<34.0	<29.6	<22.9	<20.6	<18.9	<1.8
2-nitrophenol	1.88	UG/L	<25.2	<22.0	<20.2	<1.9	<1.6	<1.6
2,4-dimethylphenol	2.01	UG/L	<17.7	<15.4	<26.2	<10.8	<9.9	<2.0
2,4-dinitrophenol	6.07	UG/L	<81.5	<71.0	<28.1	<49.4	<45.4	<2.2
4-nitrophenol	3.17	UG/L	<42.6	<37.1	<14.8	<25.8	<23.7	<1.1
2-methyl-4,6-dinitrophenol	4.29	UG/L	<57.6	<50.2	<19.8	<34.9	<32.1	<1.5
2-methylphenol	2.15	UG/L	<20.3	<17.7	<28.0	<12.3	<11.3	<2.2
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	<56.7	<49.4	52.8	74.6	47.0	363.0
2,4,5-trichlorophenol	1.66	UG/L	<22.3	<19.4	<21.6	<13.5	<12.4	<1.7
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Phenols	6.07	UG/L	0.0	0.0	0.0	0.0	0.0	0.0

nd= not detected, NA= not analyzed NS= not sampled MDL based on 1 liter sample

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Phenolics

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

Analyte	MDL Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN Average
		29-FEB-2008 P419045	31-MAY-2008 P428696	31-AUG-2008 P439699	31-OCT-2008 P446405	
2,4,6-trichlorophenol	330 UG/KG	ND	ND	ND	ND	ND
2,4-dichlorophenol	330 UG/KG	ND	ND	ND	ND	ND
2,4-dimethylphenol	330 UG/KG	ND	ND	ND	ND	ND
2,4-dinitrophenol	330 UG/KG	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	800 UG/KG	ND	ND	ND	ND	ND
2-chlorophenol	330 UG/KG	ND	ND	ND	ND	ND
2-nitrophenol	330 UG/KG	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	330 UG/KG	ND	ND	ND	ND	ND
4-nitrophenol	800 UG/KG	ND	ND	ND	ND	ND
Pentachlorophenol	800 UG/KG	ND	ND	965	<800	241
Phenol	330 UG/KG	159000	204000	282000	155000	200000
Total Non-Chlorinated Phenols	800 UG/KG	173500	225900	305100	168700	218300
Total Chlorinated Phenols	800 UG/KG	0	0	965	0	241
Phenols	800 UG/KG	173500	225900	306065	168700	218541
Phenols average	800 UG/KG	14455	18545	25724	14091	18204

Additional analytes determined;

2-methylphenol	330 UG/KG	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	330 UG/KG	NA	NA	ND	NA	ND
4-methylphenol(3-MP is unresolved)	330 UG/KG	14500	21900	23100	13700	18300
2,4,5-trichlorophenol	800 UG/KG	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
Quarterly Sludge Project
SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624

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

Analyte	Max MDL	Units	PLR	PLR	PLR	PLR	PLE	PLE
			13-FEB-2008 P414450	14-MAY-2008 P424739	12-AUG-2008 P434965	07-OCT-2008 P443367	13-FEB-2008 P414445	14-MAY-2008 P424734
1,2-dichlorobenzene	1	UG/L	ND	0.6	3.12 *	1.1	ND	1.2
1,3-dichlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	1.0	0.87 *	2.5	ND	1.2
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	2.4	1.8	1.5	1.3	7.1	2.8
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.3	3.8	3.0	2.6	3.6	3.7
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1	UG/L	3.2	2.3	1.0	1.6	3.9	5.4
Ethylbenzene	1	UG/L	ND	1.9	ND	ND	ND	3.2
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1	UG/L	0.0	0.6	0.0	1.1	0.0	1.2
Purgeable Compounds	13.8	UG/L	8.9	11.4	5.5	9.1	14.6	17.5

Additional analytes determined;

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	8.6	ND	0.8	ND	14.5
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	0.4
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	3.3	ND	0.5	ND	6.0
Acetone	20	UG/L	384.0	4560.0	693.0	586.0	788.0	6000.0
Carbon disulfide	1	UG/L	2.0	2.6	4.1	2.2	1.7	2.9
2-butanone	6.3	UG/L	6.1	ND	<6.3	ND	7.3	ND

* Analyte found in Method blank (0.43 ug/L) above MDL.

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project
 SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624

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

Analyte	Max MDL	Units	PLE	PLE	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			12-AUG-2008 P434960	07-OCT-2008 P443362	13-FEB-2008 P414460	14-MAY-2008 P424749	12-AUG-2008 P434975	07-OCT-2008 P443377
1,2-dichlorobenzene	1	UG/L	1.15*	1.2	ND	0.6	0.91*	ND
1,3-dichlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	1.1	0.9	1.4	1.2	0.86**	1.0
Chloromethane	1	UG/L	ND	5.3	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.6	1.3	1.9	1.2	1.1	1.8
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.2	4.6	4.9	1.9	1.5	1.7
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	0.5	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	<0.5	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	1.6	0.4	0.8
Toluene	1	UG/L	1.0	0.5	2.6	1.7	1.6	0.9
Ethylbenzene	1	UG/L	ND	ND	ND	<0.3	ND	0.3
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	5.8	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1	UG/L	0.0	1.2	0.0	0.6	0.0	0.0
Purgeable Compounds	13.8	UG/L	6.9	14.3	10.8	8.2	4.6	6.5

Additional analytes determined:

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	0.6	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	799.0	793.0	151.0	116.0	120.0	158.0
Carbon disulfide	1	UG/L	3.2	6.8	ND	0.7	1.2	0.7
2-butanone	6.3	UG/L	7.1	<6.3	6.4	ND	ND	6.9

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

* 1,2-dichlorobenzene found in method blank for samples P434960 and P434975, 1.05 and 0.43 ug/L respectively.
 ** 0.41 ug/L of 1,4-dichlorobenzene found in method blank.

POINT LOMA WASTEWATER TREATMENT PLANT

QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624

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

Analyte	Max MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			12-FEB-2008 P414496	13-MAY-2008 P424785	12-AUG-2008 P435011	07-OCT-2008 P443413	12-FEB-2008 P414482	13-MAY-2008 P424771
1,2-dichlorobenzene	28.7	UG/KG	157.0	119.0	203 *	278.0	324.0	732.0
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1.5	UG/KG	409.0	374.0	403 *	716.0	520.0	331.0
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND**	ND	ND	ND	ND **	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	118.0	190.0	ND	286.0	295.0	115000.0
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	133.0	88.0
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	164.0	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	163.0
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	397.0	157.0	298.0	ND	ND
Toluene	48	UG/KG	82.2	79.8	80.3	88.9	573.0	725.0
Ethylbenzene	90.5	UG/KG	98.5	129.0	205.0	241.0	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	164.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	28.7	UG/KG	157.0	119.0	0.0	278.0	324.0	732.0
Purgeable Compounds	275	UG/KG	864.7	1452.8	442.3	1907.9	1845.0	117039.0

Additional analytes determined;

Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	180.0	122.0	167.0	170.0	304.0	185.0
Styrene	19	UG/KG	ND	ND	ND	67.6	161.0	46.1
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	28.2
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	82.5	67.7	80.8	87.6	128.0	76.5
Acetone	185	UG/KG	2630.0	2890.0	2900.0	3120.0	49200.0	98800.0
Carbon disulfide	34	UG/KG	256.0	247.0	281.0	279.0	206.0	192.0
2-butanone	36.3	UG/KG	1190.0	1060.0	1440.0	1560.0	2070.0	2180.0

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

- * 2.1 ug/L of 1,2-dichlorobenzene and 2.0 ug/L of 1,4-dichlorobenzene found in method blank.
- ** Quality control criteria was not met, spike and check sample outside QC limits; bias high.

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624

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

Analyte	Max MDL	Units	RAW COMP	RAW COMP
			12-AUG-2008 P434997	07-OCT-2008 P443399
1,2-dichlorobenzene	28.7	UG/KG	1190 *	993.0
1,3-dichlorobenzene	16.1	UG/KG	ND	22.8
1,4-dichlorobenzene	1.5	UG/KG	324 *	344.0
Chloromethane	25.8	UG/KG	ND	ND
Bromomethane	29.2	UG/KG	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND
Chloroethane	61	UG/KG	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND
Methylene chloride	62.5	UG/KG	147.0	158000.0
1,1-dichloroethene	25.1	UG/KG	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND
Chloroform	25.6	UG/KG	78.7	83.2
1,2-dichloroethane	20.5	UG/KG	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND
Benzene	26.5	UG/KG	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND
Bromoform	26.1	UG/KG	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND
Toluene	48	UG/KG	186.0	361.0
Ethylbenzene	90.5	UG/KG	84.5	69.4
Acrylonitrile	275	UG/KG	ND	ND
Acrolein	70.9	UG/KG	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0
Total Dichlorobenzenes	28.7	UG/KG	0.0	1015.8
Purgeable Compounds	275	UG/KG	496.2	159873.4

Additional analytes determined;

Allyl chloride	25	UG/KG	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND
meta,para xylenes	35	UG/KG	315.0	206.0
Styrene	19	UG/KG	124.0	141.0
1,2,4-trichlorobenzene	17	UG/KG	ND	ND
Methyl Iodide	19	UG/KG	ND	ND
Chloroprene	17	UG/KG	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND
Isopropylbenzene	17	UG/KG	ND	49.2
Benzyl chloride	38	UG/KG	ND	ND
ortho-xylene	23	UG/KG	148.0	100.0
Acetone	185	UG/KG	28800.0	49800.0
Carbon disulfide	34	UG/KG	367.0	343.0
2-butanone	36.3	UG/KG	2900.0	3730.0

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

* 2.1 ug/Kg of 1,2-dichlorobenzene and 2.0 ug/Kg of 1,4-dichlorobenzene found in method blank.

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Analyte	Max MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2008 P416211	29-FEB-2008 P419045	31-MAR-2008 P421504	30-APR-2008 P425830	31-MAY-2008 P428696	30-JUN-2008 P432370
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	28.7	UG/KG	ND	37	52	ND	29	14
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1.5	UG/KG	87	122	116	89	99	72
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND	<63	ND	ND	40.4*
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	<64	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	ND	ND	ND	14
Chlorobenzene	31.1	UG/KG	ND	ND	49	ND	96	23
Ethylbenzene	90.5	UG/KG	ND	ND	ND	ND	<91	26
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	90.5	UG/KG	87	159	<217	89	224	149

Additional analytes determined:

1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone	36.3	UG/KG	1700	2880	2360	1780	2710	3160
Dibromofluoromethane		UG/KG	958	768	960	975	853	950
Dichlorodifluoromethane		UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
Acetone	185	UG/KG	4970	6160	2920	2940	5730	5780
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	70	82	76	58	90	70
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	12
meta,para xylenes	35	UG/KG	ND	<35	ND	ND	<35	26
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	ND	ND	13
Styrene	19	UG/KG	ND	ND	ND	ND	ND	12

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

*This analyte found (7.92 ug\Kg) in method blank above MDL.

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Analyte	Max MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JUL-2008 P434523	31-AUG-2008 P439699	30-SEP-2008 P443814	31-OCT-2008 P446405	30-NOV-2008 P452340	31-DEC-2008 P454841
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	28.7	UG/KG	41.9*	32*	27	34	56	25
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	6	4
1,4-dichlorobenzene	1.5	UG/KG	84.9*	95.5*	55.2*	55	70	108
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND	3250	ND	16	11
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	4
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	13	14	10	14	21	19
Chlorobenzene	31.1	UG/KG	28	38	28	40	41	26
Ethylbenzene	90.5	UG/KG	37	36	22	33	66	42
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	90.5	UG/KG	78	88	3337	176	276	239

Additional analytes determined:

1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone	36.3	UG/KG	2200	6700	3100	3530	16200	5660
Dibromofluoromethane		UG/KG	1030	1030	1810	919	912	918
Dichlorodifluoromethane		UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
Acetone	185	UG/KG	4520	16800	7970	17500	43400	19300
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	68	115	38	81	118	86
Isopropylbenzene	17	UG/KG	7	ND	ND	ND	7	5
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	19	109	23
meta,para xylenes	35	UG/KG	38	27	18	23	36	30
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	21	15	10	14	22	16
Styrene	19	UG/KG	14	16	13	26	119	14

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

*This analyte found in method blank above MDL, not used in computations.

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Analyte	Max		MBCDEWCN
	MDL	Units	Average
Chloromethane	25.8	UG/KG	ND
1,2-dichlorobenzene	28.7	UG/KG	27
1,3-dichlorobenzene	16.1	UG/KG	1
1,4-dichlorobenzene	1.5	UG/KG	91
Bromomethane	29.2	UG/KG	ND
Vinyl chloride	26.2	UG/KG	ND
Chloroethane	61	UG/KG	ND
1,1-dichloroethene	25.1	UG/KG	ND
Trichlorofluoromethane	28	UG/KG	ND
Methylene chloride	62.5	UG/KG	<298
1,1-dichloroethane	25.7	UG/KG	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND
Chloroform	25.6	UG/KG	ND
1,2-dichloroethane	20.5	UG/KG	ND
1,1,1-trichloroethane	27.4	UG/KG	ND
Carbon tetrachloride	15.6	UG/KG	ND
Bromodichloromethane	17	UG/KG	ND
1,2-dichloropropane	25.5	UG/KG	ND
trans-1,3-dichloropropene	17	UG/KG	ND
Trichloroethene	25.3	UG/KG	ND
Benzene	26.5	UG/KG	0
Dibromochloromethane	24.2	UG/KG	ND
1,1,2-trichloroethane	35.1	UG/KG	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND
Bromoform	26.1	UG/KG	ND
1,1,2,2-tetrachloroethane	64	UG/KG	0
Tetrachloroethene	21.5	UG/KG	ND
Toluene	48	UG/KG	9
Chlorobenzene	31.1	UG/KG	31
Ethylbenzene	90.5	UG/KG	22
Acrylonitrile	275	UG/KG	ND
Acrolein	70.9	UG/KG	ND
Purgeable Compounds	90.5	UG/KG	427

Additional analytes determined;

1,2-dibromoethane	17	UG/KG	ND
1,2,4-trichlorobenzene	17	UG/KG	ND
2-butanone	36.3	UG/KG	4332
Dibromofluoromethane		UG/KG	1007
Dichlorodifluoromethane		UG/KG	ND
2-nitropropane	45.8	UG/KG	ND
Acetone	185	UG/KG	11499
Allyl chloride	25	UG/KG	ND
Benzyl chloride	38	UG/KG	ND
Chloroprene	17	UG/KG	ND
Carbon disulfide	34	UG/KG	79
Isopropylbenzene	17	UG/KG	2
Methyl Iodide	19	UG/KG	ND
Methyl methacrylate	36	UG/KG	ND
4-methyl-2-pentanone	24	UG/KG	14
meta,para xylenes	35	UG/KG	17
Methyl tert-butyl ether	34	UG/KG	ND
ortho-xylene	23	UG/KG	9
Styrene	19	UG/KG	18

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2008 P414442	13-MAY-2008 P424731	12-AUG-2008 P434957	07-OCT-2008 P443359	12-FEB-2008 P414447	13-MAY-2008 P424736
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	<3.1	4.5	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	<2.8	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	13.4	ND	ND	22.4	20.3
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	13.4	0.0	4.5	22.4	20.3

Additional analytes determined;

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND	ND

nd= not detected, NA= not analyzed, NS= not sampled MDL based on 1 liter sample

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605

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

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			12-AUG-2008 P434962	07-OCT-2008 P443364	12-FEB-2008 P414457	13-MAY-2008 P424746	12-AUG-2008 P434972	07-OCT-2008 P443374
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND*	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Napthalene	1.65	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	11.9	11.8	15.3	ND	<9.0	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	18.9	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	11.9	30.7	15.3	0.0	0.0	0.0

Additional analytes determined;

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND	ND

nd= not detected, NA= not analyzed, NS= not sampled MDL based on 1 liter sample

*Quality Control (chk, spk1, spk2) below lower control limits, not used in computations of averages and aggregate totals.

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - Priority Pollutants Base/Neutral Compounds, EPA Method 8270C

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

Analyte	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
		29-FEB-2008	31-MAY-2008	31-AUG-2008	31-OCT-2008
		P419045	P428696	P439699	P446405
bis(2-chloroethyl) ether	330 UG/KG	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	330 UG/KG	ND	ND	ND	ND
N-nitrosodi-n-propylamine	330 UG/KG	ND	ND	ND	ND
Nitrobenzene	330 UG/KG	ND	ND	ND	ND
Hexachloroethane	330 UG/KG	ND	ND	ND	ND
Isophorone	330 UG/KG	ND	ND	ND	ND
bis(2-chloroethoxy)methane	330 UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	330 UG/KG	ND	ND	ND	ND
Naphthalene	330 UG/KG	454	ND	607	ND
Hexachlorobutadiene	330 UG/KG	ND	ND	ND	ND
Hexachlorocyclopentadiene	330 UG/KG	ND	ND	ND	ND
2-chloronaphthalene	UG/KG	ND	ND	ND	ND
Acenaphthylene	330 UG/KG	ND	ND	ND	ND
Dimethyl phthalate	330 UG/KG	ND	<330	ND	<330
2,6-dinitrotoluene	330 UG/KG	ND	ND	ND	ND
Acenaphthene	330 UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330 UG/KG	ND	ND	ND	ND
Fluorene	330 UG/KG	ND	ND	ND	ND
4-chlorophenyl phenyl ether	330 UG/KG	ND	ND	ND	ND
Diethyl phthalate	330 UG/KG	ND	ND	ND	462
N-nitrosodiphenylamine	330 UG/KG	1250	ND	ND	ND
4-bromophenyl phenyl ether	330 UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330 UG/KG	ND	ND	ND	ND
Phenanthrene	330 UG/KG	376	684	1130	<330
Anthracene	330 UG/KG	ND	ND	ND	ND
Di-n-butyl phthalate	330 UG/KG	761	330	385	ND
N-nitrosodimethylamine	330 UG/KG	ND	ND	ND	ND
Fluoranthene	330 UG/KG	ND	ND	ND	ND
Pyrene	330 UG/KG	ND	ND	ND	535
Butyl benzyl phthalate	330 UG/KG	2420	ND	2730	1700
Chrysene	330 UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330 UG/KG	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	330 UG/KG	70700	69400	108000	84300
Di-n-octyl phthalate	330 UG/KG	ND	ND	12900	ND
Benzo[K]fluoranthene	330 UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	330 UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	330 UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	330 UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	330 UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	330 UG/KG	ND	ND	ND	ND
1,2-diphenylhydrazine	UG/KG	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons		376	684	1130	535
Base/Neutral Compounds		75961	70414	125752	86997

Additional analytes determined;

1-methylnaphthalene	UG/KG	631	554	1020	719
2-methylnaphthalene	UG/KG	1010	802	1450	995
2,6-dimethylnaphthalene	UG/KG	826	755	1490	ND
2,3,5-trimethylnaphthalene	UG/KG	350	ND	1530	ND
1-methylphenanthrene	UG/KG	ND	ND	138	ND
Benzo[e]pyrene	UG/KG	ND	ND	ND	ND
Perylene	330 UG/KG	ND	ND	ND	ND
Biphenyl	UG/KG	123	193	395	ND
Pyridine	UG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT
 SLUDGE PROJECT - ANNUAL SUMMARY
 Dioxin and Furan Analysis

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

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE	PLE	
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
				P414206	P414442	P420197	P424018	P424731	P431071	P433952	P434957
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	<500	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	<250	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE
				SEP	OCT	NOV	DEC
				P442150	P443359	P451550	P453011
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT
 SLUDGE PROJECT - ANNUAL SUMMARY
 Dioxin and Furan Analysis

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

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
				P414209	P414447	P420200	P424021	P424736	P431074	P433955	P434962
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR
				SEP	OCT	NOV	DEC
				P442153	P443364	P451553	P453014
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT
SLUDGE PROJECT - ANNUAL SUMMARY
Dioxin and Furan Analysis

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
			P414206	P414442	P420197	P424018	P424731	P431071	P433952	P434957
2,3,7,8-tetra CDD	500	PG/L	ND	ND	<500	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	<250	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLE	PLE	PLE	PLE
			TCDD	TCDD	TCDD	TCDD
			SEP	OCT	NOV	DEC
			P442150	P443359	P451550	P453011
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND

*See March 2008 Monthly Report for detailed discussion.

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT
 SLUDGE PROJECT - ANNUAL SUMMARY
 Dioxin and Furan Analysis

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

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
			P414209	P414447	P420200	P424021	P424736	P431074	P433955	P434962
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	PLR	PLR
			TCDD	TCDD	TCDD	TCDD
			SEP	OCT	NOV	DEC
			P442153	P443364	P451553	P453014
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY

Dioxin and Furan Analysis, SW-846 Method 8290
 From 01-JAN-2008 to 31-DEC-2008

Analyzed by: TestAmerica

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			31-MAY-2008	31-OCT-2008
			P428696	P459529
			=====	=====
2,3,7,8-tetra CDD	1.5	NG/KG	ND	ND
1,2,3,7,8-penta CDD	31	NG/KG	ND	ND
1,2,3,4,7,8-hexa_CDD	22	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD	19	NG/KG	ND	22
1,2,3,7,8,9-hexa CDD	18	NG/KG	ND	E2
1,2,3,4,6,7,8-hepta CDD		NG/KG	120	163
octa CDD		NG/KG	1590	1200
2,3,7,8-tetra CDF		NG/KG	4	3
1,2,3,7,8-penta CDF	2.2	NG/KG	ND	ND
2,3,4,7,8-penta CDF	2.8	NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	6.6	NG/KG	ND	E2
1,2,3,6,7,8-hexa CDF	3.6	NG/KG	ND	E1
1,2,3,7,8,9-hexa CDF	2	NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	5.2	NG/KG	ND	E1
1,2,3,4,6,7,8-hepta CDF		NG/KG	55	E21
1,2,3,4,7,8,9-hepta CDF	36	NG/KG	ND	ND
octa CDF		NG/KG	136	54

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