

VI. Annual Pretreatment Program Analyses

2010 Annual Pretreatment Program Analyses
(QUARTERLY SLUDGE PROJECT)

The Quarterly Sludge Project is part of the Pt. Loma WWTP NPDES (Permit No. CA0107409/Order No. R9-2009-0001) 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 2010. Sampling occurred on February 02, May 04, August 03, and October 05. 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 Digester 7. The raw sludge sample is composited from 12 manual grabs 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

2010 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	PLR	PLR	PLR	PLR
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Conductivity	10	umhos/cm	3120	3010	2810	3040
HEM (Grease & Oil)	1.2	mg/L	39.2	41.8	66.9	36.2
Total Suspended Solids	1.4	mg/L	289	344	365	361
Volatile Suspended Solids	1.6	mg/L	246	287	304	306
Total Alkalinity (bicarbonate)	20	mg/L	314	295	293	286
Total Solids	10	mg/L	2160	2070	2030	2090
Total Volatile Solids	100	mg/L	549	578	604	566
Total Kjeldahl Nitrogen	1.6	mg/L	48	50	58	34
BOD (Biochemical Oxygen Demand)	2	mg/L	271	327	292	265
Chemical Oxygen Demand	18	mg/L	563	599	629	545
PH		pH Units	7.50	7.40	7.24	7.39
Ammonia-N	.3	mg/L	31.6	33.9	33.2	32.3
Turbidity	.13	NTU	143.0	140.0	140.0	139.0
Total Dissolved Solids	28	mg/L	1770	1670	1550	1660
MBAS (Surfactants)	.03	mg/L	8.70	9.00	8.30	5.60

Analyte	MDL	Units	PLE	PLE	PLE	PLE
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Conductivity	10	umhos/cm	3170	3050	2850	3130
HEM (Grease & Oil)	1.2	mg/L	19.1	11.9	9.8	14.4
Total Suspended Solids	1.4	mg/L	35	34	33	43
Volatile Suspended Solids	1.6	mg/L	27	25	26	35
Total Alkalinity (bicarbonate)	20	mg/L	296	290	281	273
Total Solids	10	mg/L	1860	1780	1670	1820
Total Volatile Solids	100	mg/L	272	320	273	294
Total Kjeldahl Nitrogen	1.6	mg/L	41	39	41	42
BOD (Biochemical Oxygen Demand)	2	mg/L	102	114	110	104
Chemical Oxygen Demand	18	mg/L	213	269	236	190
PH		pH Units	7.24	7.21	7.16	7.14
Ammonia-N	.3	mg/L	32.2	34.7	33.3	30.5
Turbidity	.13	NTU	32.5	36.4	43.4	42.9
Total Dissolved Solids	28	mg/L	1780	1700	1580	1730
MBAS (Surfactants)	.03	mg/L	5.60	5.00	5.50	5.00

NR = Not Required

POINT LOMA WASTEWATER TREATMENT PLANT

2010 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
			03-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Total Alkalinity (bicarbonate)	20	mg/L	785	758	330	500
Total Solids		Wt%	3.74	3.52	3.96	4.05
Total Volatile Solids		Wt%	80	79	78	77
Total Kjeldahl Nitrogen	.04	Wt%	4.2	3.4	3.1	NR
PH (composite)		pH Units	6.30	5.97	5.62	5.32

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			03-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Total Alkalinity (bicarbonate)	20	mg/L	2790	2600	2030	2000
Total Solids		Wt%	2.19	2.23	2.19	2.19
Total Volatile Solids		Wt%	56	58	58	58
Total Kjeldahl Nitrogen	.04	Wt%	6.9	6.7	6.4	NR
PH (composite)		pH Units	7.31	7.21	7.24	7.09

NR = Not Required

POINT LOMA WASTEWATER TREATMENT PLANT

2010 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Conductivity	10	umhos/cm	5560	5780	5180	5540
HEM (Grease & Oil)	1.2	mg/L	6.7	76.6	24.1	10.0
Total Suspended Solids	1.4	mg/L	492	1150	575	515
Volatile Suspended Solids	1.6	mg/L	362	860	430	365
Total Alkalinity (bicarbonate)	20	mg/L	1340	1410	1100	1090
Total Solids		Wt%	0.33	0.37	0.38	0.34
Total Volatile Solids		Wt%	41	50	51	48
Total Kjeldahl Nitrogen	1.6	mg/L	405	444	334	340
BOD (Biochemical Oxygen Demand)	2	mg/L	306	545	287	183
Chemical Oxygen Demand	18	mg/L	913	1260	650	786
pH		pH Units	7.43	7.36	7.41	7.44
Ammonia-N	.3	mg/L	369.0	356.0	283.0	310.0

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2010	31-MAY-2010	31-AUG-2010	31-OCT-2010
Total Solids		Wt%	29.00	27.60	27.90	27.50
Total Volatile Solids		Wt%	56	58	58	60
Total Kjeldahl Nitrogen	.04	Wt%	4.4	4.6	4.7	1.3
pH (Composite)	.08	pH Units	7.54	7.53	7.44	7.61

NR = Not Required

POINT LOMA WASTEWATER TREATMENT PLANT

2010 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	MBC_NC_DSL 02-FEB-2010	MBC_NC_DSL 04-MAY-2010	MBC_NC_DSL 03-AUG-2010	MBC_NC_DSL 05-OCT-2010
Total Alkalinity (bicarbonate)	20	mg/L	2370	2380	2060	2290
Total Solids		Wt%	2.34	2.14	2.20	2.31
Total Volatile Solids		Wt%	67	65	70	68
Total Kjeldahl Nitrogen	1.6	mg/L	NR	1730	1700	1820
pH (Composite)	.08	pH Units	7.15	7.49	7.10	7.29

Analyte	MDL	Units	MBC_NC_RSL 02-FEB-2010	MBC_NC_RSL 04-MAY-2010	MBC_NC_RSL 03-AUG-2010	MBC_NC_RSL 05-OCT-2010
Total Suspended Solids	1.4	mg/L	4560	3540	6500	6600
Volatile Suspended Solids	1.6	mg/L	3860	3020	5630	5300
Total Alkalinity (bicarbonate)	20	mg/L	220	280	332	256
Total Solids		Wt%	0.58	0.36	0.77	0.58
Total Volatile Solids		Wt%	72	67	77	70
Total Kjeldahl Nitrogen	1.6	mg/L	220	297	60	192
pH (Composite)	.08	pH Units	7.20	6.98	6.98	6.83

NR = Not Required.

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

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

Source:		PLE	PLE	PLE	PLE
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504388	P515390	P524948	P533505
=====					
Aluminum	47 UG/L	179	164	144	195
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.82	0.91	1.06	0.84
Barium	.039 UG/L	44	29	38	40
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	434	463	448	444
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	1.9	2.0	2.1	1.9
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	22	21	14	31
Iron	37 UG/L	2440	2600	2040	2700
Lead	2 UG/L	ND	<2	ND	ND
Manganese	.24 UG/L	101	115	111	118
Mercury	.09 UG/L	ND	ND	0.0078*	0.0073*
Molybdenum	.89 UG/L	7.8	9.2	8.6	12.1
Nickel	.53 UG/L	9	8	8	7
Selenium	.28 UG/L	1.43	0.86	1.03	1.04
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	0.8	1.1	0.9	1.4
Zinc	2.5 UG/L	28	23	21	26
=====					
Calcium	.04 MG/L	97	85	87	84
Lithium	.002 MG/L	0.05	0.04	0.04	0.04
Magnesium	.1 MG/L	63	56	54	59
Potassium	.3 MG/L	27	29	29	28
Sodium	1 MG/L	413	404	379	421
=====					
Bromide	.1 MG/L	1.56	1.62	1.33	1.67
Chloride	7 MG/L	638	629	573	656
Fluoride	.05 MG/L	0.66	0.98	0.79	0.91
Nitrate	.04 MG/L	0.29	0.36	0.15	0.57
Ortho Phosphate	.2 MG/L	3.01	3.35	5.66	4.79
Sulfate	9 MG/L	287	226	235	229
=====					
Calcium Hardness	.1 MG/L	242	211	218	211
Magnesium Hardness	.4 MG/L	258	231	224	244
Total Hardness	.4 MG/L	500	442	441	454
=====					
Cyanides, Total	.002 MG/L	0.003	0.002	0.002	0.002
Sulfides-Total	.18 MG/L	0.54	0.76	0.44	1.05
Total Kjeldahl Nitrogen	1.6 MG/L	40.6	38.7	40.9	41.8

* = Analyzed by Method 1631E with an MDL: 0.005 UG/L

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-2010 to: 31-DEC-2010

Source:		PLR	PLR	PLR	PLR
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504393	P515395	P524953	P533510
=====					
Aluminum	47 UG/L	1010	1110	965	1270
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.58	1.52	1.32	1.23
Barium	.039 UG/L	101	83	95	105
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	420	447	455	411
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	6.9	7.7	10.3	7.9
Cobalt	.85 UG/L	ND	1.1	1.0	0.9
Copper	2 UG/L	102	123	121	137
Iron	37 UG/L	6900	7020	6930	9360
Lead	2 UG/L	3	5	4	3
Manganese	.24 UG/L	117	130	120	144
Mercury	.09 UG/L	0.17	0.10	0.387*	0.144*
Molybdenum	.89 UG/L	9.2	11.1	12.2	13.4
Nickel	.53 UG/L	12	13	15	11
Selenium	.28 UG/L	2.19	1.73	1.40	2.07
Silver	.4 UG/L	1.1	0.7	1.9	2.0
Thallium	3.9 UG/L	ND	7	ND	ND
Vanadium	.64 UG/L	4.0	5.0	3.7	5.3
Zinc	2.5 UG/L	154	229	154	181
=====					
Calcium	.04 MG/L	97	82	87	85
Lithium	.002 MG/L	0.04	0.03	0.04	0.04
Magnesium	.1 MG/L	63	56	55	61
Potassium	.3 MG/L	27	28	29	28
Sodium	1 MG/L	401	391	373	427
=====					
Bromide	.1 MG/L	1.81	1.61	1.32	1.76
Chloride	7 MG/L	619	607	562	671
Fluoride	.05 MG/L	0.71	0.99	0.80	0.95
Nitrate	.04 MG/L	0.21	0.17	0.19	0.09
Ortho Phosphate	.2 MG/L	4.17	4.50	6.77	5.49
Sulfate	9 MG/L	289	235	239	248
=====					
Calcium Hardness	.1 MG/L	243	206	218	212
Magnesium Hardness	.4 MG/L	257	229	225	249
Total Hardness	.4 MG/L	500	434	443	461
=====					
Cyanides, Total	.002 MG/L	0.002	0.002	0.002	0.002
Sulfides-Total	.18 MG/L	1.55	4.32	5.45	5.87
Total Kjeldahl Nitrogen	1.6 MG/L	48.0	50.4	58.1	34.2

* = Analyzed by Method 1631E with an MDL: 0.005 UG/L

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-2010 to: 31-DEC-2010

Source:		MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504403	P515405	P524963	P533520
=====					
Aluminum	47 UG/L	1470	1620	1400	1190
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	3.77	4.34	1.83	1.98
Barium	.039 UG/L	190	172	162	138
Beryllium	.022 UG/L	0.09	0.08	ND	0.04
Boron	7 UG/L	397	412	393	406
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	13.7	16.3	12.0	12.7
Cobalt	.85 UG/L	4.0	5.4	3.7	3.3
Copper	2 UG/L	180	177	151	156
Iron	37 UG/L	40100	34200	35700	51200
Lead	2 UG/L	4	7	6	3
Manganese	.24 UG/L	425	338	396	623
Mercury	.09 UG/L	0.27	0.30	ND	ND
Molybdenum	.89 UG/L	8.1	7.5	7.0	8.7
Nickel	.53 UG/L	40	35	25	33
Selenium	.28 UG/L	2.53	4.21	2.73	1.90
Silver	.4 UG/L	1.5	1.2	0.6	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	4.7	6.2	3.8	2.4
Zinc	2.5 UG/L	218	246	196	171
=====					
Calcium	.04 MG/L	148	179	177	185
Lithium	.002 MG/L	0.05	0.05	0.06	0.05
Magnesium	.1 MG/L	67	64	63	68
Potassium	.3 MG/L	49	50	43	44
Sodium	1 MG/L	315	313	292	307
=====					
Bromide	.1 MG/L	1.14	1.19	0.89	1.01
Chloride	7 MG/L	947	924	954	1010
Fluoride	.05 MG/L	0.59	0.43	0.38	0.29
Nitrate	.04 MG/L	ND	0.25	3.37	0.26
Ortho Phosphate	.2 MG/L	1.01	1.87	4.51	ND
Sulfate	9 MG/L	111	37	45	70
=====					
Calcium Hardness	.1 MG/L	370	447	441	462
Magnesium Hardness	.4 MG/L	274	265	257	279
Total Hardness	.4 MG/L	644	712	699	741
=====					
Cyanides, Total	.002 MG/L	0.013	0.014	0.009	0.007
Sulfides-Total	.18 MG/L	2.14	8.93	11.20	5.56
Total Kjeldahl Nitrogen	1.6 MG/L	405.0	444.0	334.0	340.0

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-2010 to: 31-DEC-2010

Source:		MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504457	P515459	P525017	P533574
=====					
Aluminum	47 UG/L	22300	138000	182000	177000
Antimony	2.9 UG/L	13	57	55	57
Arsenic	.4 UG/L	0.57	100.00	98.60	150.00
Barium	.039 UG/L	1840	1930	7950	6790
Beryllium	.022 UG/L	1.18	3.85	3.10	4.29
Boron	7 UG/L	498	923	1160	1150
Cadmium	.53 UG/L	3.9	16.9	19.3	19.9
Chromium	1.2 UG/L	166	1370.0	1030.0	952.0
Cobalt	.85 UG/L	9.1	106.0	83.8	92.0
Copper	2 UG/L	2670	15300	16300	17700
Iron	37 UG/L	207000	1820000	1600000	1530000
Lead	2 UG/L	55	381	362	287
Manganese	.24 UG/L	1460	6230	6740	8670
Mercury	.09 UG/L	0.24	20.50	5.60	9.86
Molybdenum	.89 UG/L	74.2	483.0	548.0	543.0
Nickel	.53 UG/L	163	1340	1200	1220
Selenium	.28 UG/L	3.85	127.00	133.00	162.00
Silver	.4 UG/L	32.2	172.0	132.0	138.0
Thallium	3.9 UG/L	ND	ND	7	14
Vanadium	.64 UG/L	53.2	389.0	265.0	232.0
Zinc	2.5 UG/L	3050	16100	15900	14800
=====					
Calcium	.04 MG/L	100	211	171	180
Lithium	.002 MG/L	0.05	0.06	0.06	0.05
Magnesium	.1 MG/L	43	66	66	69
Potassium	.3 MG/L	25	61	57	63
Sodium	1 MG/L	206	212	221	201
=====					
Bromide	.1 MG/L	0.54	0.68	0.55	0.48
Chloride	7 MG/L	411	1080	1030	1280
Fluoride	.05 MG/L	0.70	0.52	0.50	ND
Nitrate	.04 MG/L	0.14	0.32	ND	0.09
Ortho Phosphate	.2 MG/L	ND	1.37	ND	ND
Sulfate	9 MG/L	201	26	27	28
=====					
Cyanides, Total	.002 MG/L	0.006	0.014	0.013	0.011
Sulfides-Total	.18 MG/L	5.59	628.00	516.00	494.00
Sulfides-Reactive	11 MG/KG	ND	158	156	164
Total Kjeldahl Nitrogen	1.6 MG/L	NR	1730.0	1700.0	1820.0

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

NR = Not Required, the sample analyzed was not representative due to poor sample aliquoting.

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-2010 to: 31-DEC-2010

Source:		MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504455	P515457	P525015	P533572
=====					
Aluminum	47 UG/L	13600	19000	1360	130000
Antimony	2.9 UG/L	11	8	4	38
Arsenic	.4 UG/L	7.79	19.50	ND	22.40
Barium	.039 UG/L	1140	1090	128	3920
Beryllium	.022 UG/L	0.72	0.13	ND	1.79
Boron	7 UG/L	441	505	499	1240
Cadmium	.53 UG/L	2.5	2.6	ND	21.9
Chromium	1.2 UG/L	95.4	105.0	14.9	338.0
Cobalt	.85 UG/L	4.4	7.9	0.9	28.2
Copper	2 UG/L	1620	1910	141	6340
Iron	37 UG/L	131000	138000	11100	68800
Lead	2 UG/L	34	39	4	270
Manganese	.24 UG/L	1060	862	396	1870
Mercury	.09 UG/L	1.85	4.24	ND	2.58
Molybdenum	.89 UG/L	45.0	48.4	4.2	266.0
Nickel	.53 UG/L	90	81	16	275
Selenium	.28 UG/L	11.90	24.70	ND	12.10
Silver	.4 UG/L	24.1	21.7	ND	141.0
Thallium	3.9 UG/L	ND	10	5	23
Vanadium	.64 UG/L	33.7	49.2	2.4	143.0
Zinc	2.5 UG/L	1870	2430	219	14800
=====					
Calcium	.04 MG/L	99	91	90	96
Lithium	.002 MG/L	0.05	0.04	0.05	0.04
Magnesium	.1 MG/L	43	41	39	40
Potassium	.3 MG/L	24	31	27	29
Sodium	1 MG/L	208	191	208	191
=====					
Bromide	.1 MG/L	0.56	0.58	0.49	1.01
Chloride	7 MG/L	414	376	392	422
Fluoride	.05 MG/L	0.70	0.54	0.48	0.46
Nitrate	.04 MG/L	0.15	0.23	0.16	0.08
Ortho Phosphate	.2 MG/L	1.26	29.80	50.90	16.10
Sulfate	9 MG/L	196	61	46	83
=====					
Cyanides, Total	.002 MG/L	0.006	0.004	0.008	0.004
Sulfides-Total	.18 MG/L	20.20	43.40	7.64	46.70
Sulfides-Reactive	11 MG/KG	ND	31	ND	41
Total Kjeldahl Nitrogen	1.6 MG/L	220.0	297.0	60.4	192.0

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-2010 to: 31-DEC-2010

Source:			RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:			03-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units		P504428	P515430	P524988	P533545
=====	=====	=====	=====	=====	=====	=====
Aluminum	4	MG/KG	3250	3230	3300	3610
Antimony	.5	MG/KG	1.2	0.9	1.6	1.6
Arsenic	.68	MG/KG	2.29	1.78	0.88	1.74
Barium	.05	MG/KG	232.0	205.0	197.0	198.0
Beryllium	.02	MG/KG	0.08	0.10	0.15	0.08
Boron	.7	MG/KG	16.3	19.4	17.0	18.0
Cadmium	.1	MG/KG	0.79	0.85	0.85	0.71
Chromium	.3	MG/KG	20.6	25.3	39.7	30.7
Cobalt	.2	MG/KG	0.9	1.7	1.6	1.5
Copper	.4	MG/KG	325	335	335	385
Iron	20	MG/KG	28200	30600	47700	44600
Lead	2	MG/KG	7.6	8.3	8.7	9.0
Manganese	.2	MG/KG	101	100	148	134
Mercury	.4	MG/KG	0.62	ND	ND	0.80
Molybdenum	.1	MG/KG	6.0	8.2	11.6	11.4
Nickel	.3	MG/KG	19	21	37	29
Selenium	.47	MG/KG	2.67	2.56	2.45	2.68
Silver	.07	MG/KG	6.0	3.3	3.6	3.3
Thallium	1	MG/KG	ND	1	ND	ND
Vanadium	.2	MG/KG	11.7	11.2	10.5	12.1
Zinc	.5	MG/KG	427	433	429	431
=====	=====	=====	=====	=====	=====	=====
Bromide	3	MG/KG	41.7	33.8	16.3	23.3
Chloride	180	MG/KG	19600	17800	39100	35700
Fluoride	1.3	MG/KG	25.3	20.0	11.0	ND
Nitrate	1	MG/KG	4.30	8.64	ND	2.72
Ortho Phosphate	4	MG/KG	2590	5460	42	1140
Sulfate	220	MG/KG	2530	795	630	820
=====	=====	=====	=====	=====	=====	=====
Cyanides, Total	.1	MG/KG	1.18	3.37	3.34	2.37
Cyanide, Releaseable	.018	MG/KG	ND	ND	ND	0.04
Sulfides-Total	2170	MG/KG	11200	23400	20000	29700
Sulfides-Reactive	11	MG/KG	69	143	162	172
Total Kjeldahl Nitrogen	.04	WT%	4.23	3.43	3.09	NR*

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required, sample was analyzed outside of 28 holding time requirements.

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

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

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

Source:		DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:		03-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504442	P515444	P525002	P533559
=====					
Aluminum	4 MG/KG	6840	5970	5560	5720
Antimony	.5 MG/KG	2.2	1.4	2.3	2.6
Arsenic	.68 MG/KG	6.18	3.36	2.28	2.25
Barium	.05 MG/KG	414.0	44.7	140.0	267.0
Beryllium	.02 MG/KG	0.51	0.57	0.16	0.22
Boron	.7 MG/KG	32.6	32.9	33.0	35.4
Cadmium	.1 MG/KG	1.54	1.36	1.24	1.35
Chromium	.3 MG/KG	58.6	69.5	56.4	56.4
Cobalt	.2 MG/KG	4.1	5.9	5.4	4.8
Copper	.4 MG/KG	612	625	589	678
Iron	20 MG/KG	71800	70900	78000	83400
Lead	2 MG/KG	16.0	15.8	15.4	15.7
Manganese	.2 MG/KG	266	249	238	258
Mercury	.4 MG/KG	1.10	1.06	0.51	1.20
Molybdenum	.1 MG/KG	15.6	16.2	19.2	22.6
Nickel	.3 MG/KG	69	65	69	73
Selenium	.47 MG/KG	5.14	5.16	5.26	4.48
Silver	.07 MG/KG	7.1	6.5	5.1	6.0
Thallium	1 MG/KG	ND	ND	ND	ND
Vanadium	.2 MG/KG	24.2	23.5	19.0	17.8
Zinc	.5 MG/KG	702	718	678	741
=====					
Bromide	3 MG/KG	93.1	106.0	79.9	75.1
Chloride	180 MG/KG	62600	57700	67400	66800
Fluoride	1.3 MG/KG	46.8	38.1	30.6	18.0
Nitrate	1 MG/KG	15.40	14.70	7.38	6.10
Ortho Phosphate	4 MG/KG	86	188	ND	37
Sulfate	220 MG/KG	1150	1190	1090	1280
=====					
Cyanides, Total	.1 MG/KG	6.74	9.90	9.55	7.54
Cyanide, Releaseable	.018 MG/KG	ND	ND	ND	0.02
Sulfides-Total	2170 MG/KG	42100	47700	32000	47000
Sulfides-Reactive	11 MG/KG	119	143	174	172
Total Kjeldahl Nitrogen	.04 WT%	6.91	6.67	6.44	NR*

ND= Not Detected
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 NR= Not Required, sample was analyzed outside of 28 holding time requirements.

RAW COMP = Point Loma Raw Sludge Composite
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 MBCDEWEN = MBC Dewatered Sludge Composite

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

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

Source:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:		28-FEB-2010	31-MAY-2010	31-AUG-2010	31-OCT-2010
Sample ID:	MDL Units	P510362	P520669	P532026	P539387
=====					
Aluminum	4 MG/KG	7180	6360	6540	6640
Antimony	.5 MG/KG	2.3	2.0	2.5	2.8
Arsenic	.68 MG/KG	7.32	3.95	3.53	2.91
Barium	.05 MG/KG	290.0	161.0	211.0	210.0
Beryllium	.02 MG/KG	0.45	0.46	0.26	0.20
Boron	.7 MG/KG	20.7	21.3	22.9	24.0
Cadmium	.1 MG/KG	1.50	1.38	1.34	1.51
Chromium	.3 MG/KG	63.5	76.7	65.3	83.9
Cobalt	.2 MG/KG	3.8	5.3	5.0	6.4
Copper	.4 MG/KG	663	692	692	760
Iron	20 MG/KG	79800	83800	91000	93200
Lead	2 MG/KG	16.8	15.4	17.0	18.2
Manganese	.2 MG/KG	290	278	275	298
Mercury	.4 MG/KG	1.85	1.21	1.23	1.60
Molybdenum	.1 MG/KG	17.2	19.0	22.3	26.1
Nickel	.3 MG/KG	70	68	78	87
Selenium	.47 MG/KG	5.58	5.81	6.16	4.90
Silver	.07 MG/KG	7.2	7.2	6.4	7.3
Thallium	1 MG/KG	ND	1	ND	1
Vanadium	.2 MG/KG	25.0	24.5	19.8	21.0
Zinc	.5 MG/KG	887	940	900	945
=====					
Cyanides, Total	.1 MG/KG	2.07	2.35	1.83	1.69
Cyanide, Releaseable	.018 MG/KG	ND	ND	ND	ND
Sulfides-Total	2170 MG/KG	6560	7170	13500	12400
Sulfides-Reactive	11 MG/KG	ND	ND	18	ND
Total Kjeldahl Nitrogen	.04 WT%	4.36	4.59	4.69	1.31

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

Analyzed by: TestAmerica Laboratories Richland
 Method: EPA 00-02 or EPA 900.0

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

Source	Sample Date	Sample ID	Gross Alpha Radiation pCi/L	Gross Beta Radiation pCi/L
PLE	02-FEB-2010	P504388	9.0±4.9	31.5±7.9
PLE	04-MAY-2010	P515390	2.4±3.8	31.8±8.5
PLE	03-AUG-2010	P524948	3.1±2.5	35.6±8.5
PLE	05-OCT-2010	P533505	3.2±4.6	46.1±13.0
PLR	02-FEB-2010	P504393	5.2±3.6	38.7±9.6
PLR	04-MAY-2010	P515395	0.4±3.6	35.0±9.0
PLR	03-AUG-2010	P524953	-2.1±2.1	31.8±9.4
PLR	05-OCT-2010	P533510	3.0±5.9	29.8±12.0
MBC_COMBCN	02-FEB-2010	P504403	4.1±3.0	54.4±10.0
MBC_COMBCN	04-MAY-2010	P515405	1.2±2.7	52.3±11.0
MBC_COMBCN	03-AUG-2010	P524963	2.0±3.6	51.8±13.0
MBC_COMBCN	05-OCT-2010	P533520	2.4±3.0	44.8±9.7

Source	Sample Date	Sample ID	Gross Alpha Radiation pCi/kg	Gross Beta Radiation pCi/kg
MBCDEWCN	28-FEB-2010	P510362	3270±2650	11800±3500
MBCDEWCN	31-MAY-2010	P520669	5400±4950	10900±2600
MBCDEWCN	31-AUG-2010	P532026	5430±2900	9190±3150
MBCDEWCN	31-OCT-2010	P539387	4350±3450	10900±3450

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POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			02-FEB-2010 P504388	04-MAY-2010 P515390	03-AUG-2010 P524948	05-OCT-2010 P533505	02-FEB-2010 P504393	04-MAY-2010 P515395
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	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	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	0.0	0.0	0.0	0.0	0.0	0.0

ND=not detected
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 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-2010 To 31-DEC-2010

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			03-AUG-2010 P524953	05-OCT-2010 P533510	02-FEB-2010 P504403	04-MAY-2010 P515405	03-AUG-2010 P524963	05-OCT-2010 P533520
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	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	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	0.0	0.0	0.0	0.0	0.0	0.0

ND=not detected
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POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			02-FEB-2010 P504457	04-MAY-2010 P515459	03-AUG-2010 P525017	05-OCT-2010 P533574
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	ND
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	0.0
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	0.0

ND=not detected
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POINT LOMA POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

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

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP
			02-FEB-2010 P504455	04-MAY-2010 P515457	03-AUG-2010 P525015	05-OCT-2010 P533572	03-FEB-2010 P504428	04-MAY-2010 P515430
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	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	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	0.0	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-2010 To 31-DEC-2010

Analyte	MDL	Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			03-AUG-2010 P524988	05-OCT-2010 P533545	03-FEB-2010 P504442	04-MAY-2010 P515444	03-AUG-2010 P525002	05-OCT-2010 P533559
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	1000
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	0.0	0.0	1000
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	0.0	1000

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

METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2010 P506299	28-FEB-2010 P510362	31-MAR-2010 P513379	30-APR-2010 P517195	31-MAY-2010 P520669
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	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	<48000	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	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	0	0	0
Chlordane + related cmpds.	48000	NG/KG	0	0	0	0	120000
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	0	0	0	120000

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

METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-JUN-2010 P523955	31-JUL-2010 P528411	31-AUG-2010 P532026	30-SEP-2010 P536066	31-OCT-2010 P539387
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	<18000
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	60000
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	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	135000	135000	ND	ND	<48000
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	0	0	60000
Chlordane + related cmpds.	48000	NG/KG	135000	135000	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	135000	135000	0	0	60000

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

METROBIOSOLIDS CENTER
 SLUDGE PROJECT - ANNUAL SUMMARY
 Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	Annual Average
			30-NOV-2010 P543490	31-DEC-2010 P547247	
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	0
p,p-DDE	28000	NG/KG	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	<28000	5000
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	ND
Gamma (trans) Chlordane	48000	NG/KG	175000	ND	47083
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	ND
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	0	0	5000
Chlordane + related cmpds.	48000	NG/KG	175000	0	47083
Polychlorinated biphenyls	580000	NG/KG	0	0	0
=====					
Chlorinated Hydrocarbons	580000	NG/KG	175000	0	52083

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

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL Units	PLE	PLE	PLE	PLR	PLR
		04-MAY-2010 P515390	03-AUG-2010 P524948	05-OCT-2010 P533505	04-MAY-2010 P515395	03-AUG-2010 P524953
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	0.65	ND	0.11	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.65	0.00	0.11	0.00	0.00
Demeton -O, -S	.15 UG/L	0.00	0.00	0.00	0.00	0.00
Bolstar	.07 UG/L	ND	NR	NR	ND	NA
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	NR	NR	ND	NA
Dichlofenthion	.03 UG/L	ND	NR	NR	ND	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	NR	NR	ND	NA
Ethoprop	.04 UG/L	ND	NR	NR	ND	NA
Fensulfothion	.07 UG/L	ND	NR	NR	ND	NA
Merphos	.09 UG/L	ND	NR	NR	ND	NA
Mevinphos, e isomer	.05 UG/L	ND	NR	NR	ND	NA
Mevinphos, z isomer	.3 UG/L	ND	NR	NR	ND	NA
Phorate	.04 UG/L	ND	NR	NR	ND	NA
Ronnel	.03 UG/L	ND	NR	NR	ND	NA
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	NR	NR	ND	NA
Tokuthion	.06 UG/L	ND	NR	NR	ND	NA
Trichloronate	.04 UG/L	ND	NR	NR	ND	NA
Total Organophosphorus Pesticides	.3 UG/L	0.65	0.00	0.11	0.00	0.00

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL Units	PLR	MBC_COMBCN	MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL
		05-OCT-2010 P533510	04-MAY-2010 P515405	05-OCT-2010 P533520	04-MAY-2010 P515459	05-OCT-2010 P533574
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
Bolstar	.07 UG/L	NR	ND	NR	ND	NR
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	NR	ND	NR	ND	NR
Dichlofenthion	.03 UG/L	NR	ND	NR	ND	NR
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	NR	ND	NR	ND	NR
Ethoprop	.04 UG/L	NR	ND	NR	ND	NR
Fensulfothion	.07 UG/L	NR	ND	NR	ND	NR
Merphos	.09 UG/L	NR	ND	NR	ND	NR
Mevinphos, e isomer	.05 UG/L	NR	ND	NR	ND	NR
Mevinphos, z isomer	.3 UG/L	NR	ND	NR	ND	NR
Phorate	.04 UG/L	NR	ND	NR	ND	NR
Ronnel	.03 UG/L	NR	ND	NR	ND	NR
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	NR	ND	NR	ND	NR
Tokuthion	.06 UG/L	NR	ND	NR	ND	NR
Trichloronate	.04 UG/L	NR	ND	NR	ND	NR
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0	0.0

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL Units	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP	DIG COMP
		04-MAY-2010 P515457	05-OCT-2010 P533572	04-MAY-2010 P515430	05-OCT-2010 P533545	04-MAY-2010 P515444
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
Bolstar	.07 UG/L	ND	NR	ND	NR	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	NR	ND	NR	ND
Dichlofenthion	.03 UG/L	ND	NR	ND	NR	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	NR	ND	NR	ND
Ethoprop	.04 UG/L	ND	NR	ND	NR	ND
Fensulfothion	.07 UG/L	ND	NR	ND	NR	ND
Merphos	.09 UG/L	ND	NR	ND	NR	ND
Mevinphos, e isomer	.05 UG/L	ND	NR	ND	NR	ND
Mevinphos, z isomer	.3 UG/L	ND	NR	ND	NR	ND
Monocrotophos	UG/L	NR	NR	NR	NR	NR
Phorate	.04 UG/L	ND	NR	ND	NR	ND
Ronnel	.03 UG/L	ND	NR	ND	NR	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	NR	ND	NR	ND
Tokuthion	.06 UG/L	ND	NR	ND	NR	ND
Trichloronate	.04 UG/L	ND	NR	ND	NR	ND
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0	0.0

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL Units	DIG COMP 05-OCT-2010 P533559
Demeton O	.15 UG/L	ND
Demeton S	.08 UG/L	ND
Diazinon	.03 UG/L	ND
Guthion	.15 UG/L	ND
Malathion	.03 UG/L	ND
Parathion	.03 UG/L	ND
Thiophosphorus Pesticides	.15 UG/L	0.0
Demeton -O, -S	.15 UG/L	0.0
Chlorpyrifos	.03 UG/L	ND
Coumaphos	.15 UG/L	ND
Dichlorvos	.05 UG/L	ND
Dimethoate	.04 UG/L	ND
Disulfoton	.02 UG/L	ND
Stirophos	.03 UG/L	ND
Total Organophosphorus Pesticides	.3 UG/L	0.0

ND=not detected
NR=not required

METROBIOSOLIDS CENTER
 ORGANOPHOSPHORUS PESTICIDES

Annual 2010

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			31-MAY-2010 P520669	31-OCT-2010 P539387
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
Thiophosphorus Pesticides	33	UG/KG	0.0	0.0
Demeton -O, -S	67	UG/KG	0.0	0.0
Bolstar	50	UG/KG	ND	NR
Chlorpyrifos		UG/KG	99.7	47.6
Coumaphos	33	UG/KG	ND	ND
Dibrom		UG/KG	ND	NR
Dichlofenthion	20	UG/KG	ND	NR
Dichlorvos	17	UG/KG	ND	ND
Dimethoate	27	UG/KG	ND	ND
Disulfoton	20	UG/KG	37.2	ND
EPN	33	UG/KG	ND	NR
Ethoprop	27	UG/KG	ND	NR
Fensulfothion	100	UG/KG	ND	NR
Merphos	17	UG/KG	ND	NR
Mevinphos, e isomer	17	UG/KG	ND	NR
Mevinphos, z isomer	100	UG/KG	ND	NR
Monocrotophos		UG/KG	NR	NR
Phorate	17	UG/KG	ND	NR
Ronnel	20	UG/KG	ND	NR
Stirophos	20	UG/KG	ND	ND
Sulfotepp	17	UG/KG	ND	NR
Tokuthion	17	UG/KG	ND	NR
Trichloronate	20	UG/KG	ND	NR
Total Organophosphorus Pesticides	100	UG/KG	137	47.6

ND=not detected
 NR=not required

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

Tributyl Tin (Sewage)

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

	PLE 02-FEB-2010 P504388	PLE 04-MAY-2010 P515390	PLE 03-AUG-2010 P524948	PLE 05-OCT-2010 P533505	PLR 02-FEB-2010 P504393	PLR 04-MAY-2010 P515395	PLR 03-AUG-2010 P524953
Monobutyltin	ND	ND	ND	ND	ND	ND	ND
Tributyltin	ND	ND	ND	ND	ND	ND	ND

	PLR 05-OCT-2010 P533510	MBC_COMBCN 02-FEB-2010 P504403	MBC_COMBCN 04-MAY-2010 P515405	MBC_COMBCN 03-AUG-2010 P524963	MBC_COMBCN 05-OCT-2010 P533520	MBCDEWCN 31-MAY-2010 P520669	MBCDEWCN 31-OCT-2010 P539387
Monobutyltin	ND	ND	ND	ND	ND	ND	ND
Tributyltin	ND	ND	ND	ND	ND	ND	ND

ND= not detected

POINT LOMA WASTEWATER TREATMENT PLANT
Herbicide Analysis

Annual 2010

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	28-FEB-2010	31-MAY-2010	31-AUG-2010	31-OCT-2010
			P510362	P520669	P532026	P539387
=====	====	=====	=====	=====	=====	=====
2,4-dichlorophenoxyacetic acid	2.66	MG/KG	ND	ND	ND	NA
2,4,5-TP (Silvex)	2.87	MG/KG	ND	ND	ND	NA

ND=not detected

NA=not analyzed, contracted laboratory suspended operations without notice and failed to complete herbicide analysis as contracted.

POINT LOMA WASTEWATER TREATMENT PLANT
 PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625
 From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			02-FEB-2010 P504388	04-MAY-2010 P515390	03-AUG-2010 P524948	05-OCT-2010 P533505	02-FEB-2010 P504393	04-MAY-2010 P515395
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND	ND	ND
Phenol	1.76	UG/L	15.6	16.5	19.6	18.6	19.2	21.5
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	15.6	16.5	19.6	18.6	19.2	21.5

Additional analytes determined;

Phenols	2.16	UG/L	15.6	16.5	19.6	18.6	19.2	21.5
2-methylphenol	2.15	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	44.6	37.6	35.7	18.7	42.3	42.0
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			03-AUG-2010 P524953	05-OCT-2010 P533510	02-FEB-2010 P504403	04-MAY-2010 P515405	03-AUG-2010 P524963	05-OCT-2010 P533520
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	11.6	11.0	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND	ND	ND
Phenol	1.76	UG/L	23.4	21.0	2.8	4.3	5.1	4.8
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	23.4	21.0	14.4	15.3	5.1	4.8

Additional analytes determined;

Phenols	2.16	UG/L	23.4	21.0	14.4	15.3	5.1	4.8
2-methylphenol	2.15	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	51.0	31.0	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625
 From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP
			03-FEB-2010 P504428	04-MAY-2010 P515430	03-AUG-2010 P524988	05-OCT-2010 P533545	03-FEB-2010 P504442	03-AUG-2010 P525002
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND	22.3	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND	ND	ND
Phenol	1.76	UG/L	44.6	29.9	36.8	59.2	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	44.6	29.9	36.8	59.2	22.3	0.0

Additional analytes determined;

Phenols	2.16	UG/L	44.6	29.9	36.8	59.2	22.3	0.0
2-methylphenol	2.15	UG/L	ND	ND	ND	50.4	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	435.0	825.0	287.0	355.0	ND	7.9
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	DIG COMP	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL
			05-OCT-2010 P533559	02-FEB-2010 P504457	04-MAY-2010 P515459	03-AUG-2010 P525017	05-OCT-2010 P533574	02-FEB-2010 P504455
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	24.0	ND	23.9	45.4	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	24.0	0.0	23.9	45.4	0.0	0.0

Additional analytes determined;

Phenols	2.16	UG/L	24.0	0.0	23.9	45.4	0.0	0.0
2-methylphenol	2.15	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	5.8	8.6	6.1	26.1	5.0	30.7
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625
 From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			04-MAY-2010 P515457	03-AUG-2010 P525015	05-OCT-2010 P533572
2-chlorophenol	1.32	UG/L	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND
Pentachlorophenol	1.12	UG/L	2.5	ND	ND
Phenol	1.76	UG/L	2.3	4.5	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	2.5	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	2.3	4.5	0.0

Additional analytes determined;

Analyte	MDL	Units	28-FEB-2010 P510362	31-MAY-2010 P520669	31-AUG-2010 P532026	31-OCT-2010 P539387
Phenols	2.16	UG/L	4.8	4.5	0.0	
2-methylphenol	2.15	UG/L	ND	ND	ND	
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	
4-methylphenol(3-MP is unresolved)	2.11	UG/L	126.0	288.0	118.0	
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2010 P510362	31-MAY-2010 P520669	31-AUG-2010 P532026	31-OCT-2010 P539387
2-chlorophenol	330	UG/KG	ND	ND	ND	ND
4-chloro-3-methylphenol	330	UG/KG	ND	337.0	ND	ND
2,4-dichlorophenol	330	UG/KG	ND	ND	ND	ND
2,4-dimethylphenol	330	UG/KG	ND	ND	ND	ND
2,4-dinitrophenol	330	UG/KG	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	800	UG/KG	ND	ND	ND	ND
2-nitrophenol	330	UG/KG	ND	ND	ND	ND
4-nitrophenol	800	UG/KG	ND	ND	ND	ND
Pentachlorophenol	800	UG/KG	ND	ND	ND	ND
Phenol	330	UG/KG	5270.0	6380.0	5240.0	18200.0
2,4,6-trichlorophenol	330	UG/KG	ND	ND	ND	ND
Total Chlorinated Phenols	800	UG/KG	0.0	337.0	0.0	0.0
Total Non-Chlorinated Phenols	800	UG/KG	5270.0	6380.0	5240.0	18200.0

Additional analytes determined;

Analyte	MDL	Units	28-FEB-2010 P510362	31-MAY-2010 P520669	31-AUG-2010 P532026	31-OCT-2010 P539387
Phenols	800	UG/KG	5270.0	6717.0	5240.0	18200.0
2-methylphenol	330	UG/KG	584.0	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	330	UG/KG	773.0	1480.0	2090.0	11700.0
2,4,5-trichlorophenol	800	UG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2010 to 31-DEC-2010

Source:

Analyte	MDL Units	PLR	PLR	PLR	PLR	PLE	PLE
		02-FEB-2010 P504396	04-MAY-2010 P515398	03-AUG-2010 P524956	05-OCT-2010 P533513	02-FEB-2010 P504391	04-MAY-2010 P515393
Acrolein	1.3 UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	0.6	ND	ND	ND	0.9	ND
Bromoform	.5 UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND	ND	ND
Chloroform	.2 UG/L	3.4	2.6	3.2	2.9	3.6	4.2
Chloromethane	.5 UG/L	ND	ND	ND	ND	3.2	2.4
Dibromochloromethane	.6 UG/L	0.7	ND	ND	ND	0.8	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	0.5	0.7	0.5	0.5	ND	0.5
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	0.8	0.4	0.9	0.3	ND
Methylene chloride	.3 UG/L	1.2	1.3	1.5	1.7	1.3	1.2
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND	ND	ND
Toluene	.4 UG/L	0.7	0.8	3.0	0.7	0.6	1.1
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	1.3	0.0	0.0	0.0	4.9	2.4
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3 UG/L	7.1	6.2	8.6	6.7	10.7	9.4

Additional Analytes Determined;

Acetone	4.5 UG/L	459	502	1160	1030	741	1620
Allyl chloride	.6 UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	6.9	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	0.9	1.8	4.1	2.2	1.1	2.4
Chloroprene	.4 UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	0.9	0.5	5.4	ND	ND
Styrene	.3 UG/L	1.1	0.7	0.3	ND	0.8	<0.3
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	1.9	1.0	3.0	0.7	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2010 to 31-DEC-2010

Source:

Analyte	MDL Units	PLE	PLE	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
		03-AUG-2010 P524951	05-OCT-2010 P533508	02-FEB-2010 P504406	04-MAY-2010 P515408	03-AUG-2010 P524966	05-OCT-2010 P533523
Acrolein	1.3 UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	<0.5	0.6	ND	0.5	1.4
Bromoform	.5 UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND	ND	ND
Chloroform	.2 UG/L	5.1	4.9	4.0	3.0	4.3	4.5
Chloromethane	.5 UG/L	4.9	4.2	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	0.6	0.6	0.4	0.6	0.8	0.8
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	0.4	<0.3	0.7	1.2	0.6	0.3
Methylene chloride	.3 UG/L	2.1	2.2	1.5	5.1	1.6	1.6
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND	ND	ND
Toluene	.4 UG/L	2.9	1.1	1.3	3.7	2.1	2.4
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	4.9	4.2	0.6	0.0	0.5	1.4
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3 UG/L	16.0	13.0	8.5	13.6	9.9	11.0

Additional Analytes Determined;

Acetone	4.5 UG/L	1090	1740	243	131	310	235
Allyl chloride	.6 UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	7.8	ND	ND	6.7	10.0
Carbon disulfide	.6 UG/L	10.2	3.3	1.0	ND	1.0	0.9
Chloroprene	.4 UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	.4 UG/L	0.6	0.5	ND	1.3	ND	ND
Styrene	.3 UG/L	ND	ND	0.7	ND	ND	ND
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	1.2	1.0	ND	2.9	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2010 to 31-DEC-2010

Source:

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			03-FEB-2010 P504442	04-MAY-2010 P515444	03-AUG-2010 P525002	05-OCT-2010 P533559	03-FEB-2010 P504428	04-MAY-2010 P515430
Acrolein	6.4	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	6.9	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	2.3	UG/KG	ND	ND	96.9	ND	106.0	ND
Chloromethane	3.4	UG/KG	954	129	ND	1090	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	32.1	23.7	34.8	27.1	35.1	ND
1,3-dichlorobenzene	1.8	UG/KG	22.7	ND	31.2	15.2	22.1	ND
1,4-dichlorobenzene	1.5	UG/KG	155	275	468	285	151	240
1,1-dichloroethane	1.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.4	UG/KG	341	360	282	119	303	76.3
Methylene chloride	3.5	UG/KG	166000	1920	84.9	131000	63100	37900
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	1.2	UG/KG	71.4	88.8	119	80.9	535	2140
1,1,1-trichloroethane	3.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND	24.1	ND	ND	ND
Trichloroethene	2.6	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	6.9	UG/KG	954.0	129.0	0.0	1090.0	0.0	0.0
Total Dichlorobenzenes	1.8	UG/KG	54.8	23.7	66.0	42.3	57.2	0.0
Purgeable Compounds	6.9	UG/KG	167576.2	2796.5	1140.9	132617.2	64252.2	40356.3

Additional Analytes Determined;

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			03-FEB-2010 P504442	04-MAY-2010 P515444	03-AUG-2010 P525002	05-OCT-2010 P533559	03-FEB-2010 P504428	04-MAY-2010 P515430
Acetone	31.4	UG/KG	3580	4620	5960	3090	30100	21700
Allyl chloride	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	4.3	UG/KG	ND	126	279	108	ND	103
2-butanone	36.3	UG/KG	1290	2250	2070	1390	1960	2270
Carbon disulfide	4.7	UG/KG	301	485	401	354	182	176
Chloroprene	3.1	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	2.5	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.3	UG/KG	31.8	50.8	54.9	19.2	61.8	88.3
Methyl Iodide	3.8	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	1.9	UG/KG	86.7	79.3	107.0	ND	332	75.4
Styrene	1.7	UG/KG	58.4	73.5	75.4	ND	443	265
1,2,4-trichlorobenzene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	4.2	UG/KG	180	142	198	86	1070	164
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	9.7	UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2010 to 31-DEC-2010

Source:

Analyte	MDL	Units	RAW COMP	RAW COMP
			03-AUG-2010 P524988	05-OCT-2010 P533545
Acrolein	6.4	UG/KG	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND
Benzene	2.1	UG/KG	15.0	ND
Bromodichloromethane	2.2	UG/KG	ND	ND
Bromoform	2.4	UG/KG	ND	ND
Bromomethane	6.9	UG/KG	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND
Chlorobenzene	1	UG/KG	ND	ND
Chloroethane	3.6	UG/KG	ND	ND
Chloroform	2.3	UG/KG	72.5	ND
Chloromethane	3.4	UG/KG	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	39.0	19.8
1,3-dichlorobenzene	1.8	UG/KG	31.3	14.8
1,4-dichlorobenzene	1.5	UG/KG	416	413
1,1-dichloroethane	1.9	UG/KG	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND
Ethylbenzene	1.4	UG/KG	76.8	110
Methylene chloride	3.5	UG/KG	396	996
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND
Tetrachloroethene	2.8	UG/KG	30.3	ND
Toluene	1.2	UG/KG	313	302
1,1,1-trichloroethane	3.2	UG/KG	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND
Trichloroethene	2.6	UG/KG	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND
Halomethane Purgeable Cmpnds	6.9	UG/KG	0.0	0.0
Total Dichlorobenzenes	1.8	UG/KG	70.3	34.6
Purgeable Compounds	6.9	UG/KG	1389.9	1855.6

Additional Analytes Determined;

Analyte	MDL	Units	03-AUG-2010 P524988	05-OCT-2010 P533545
Acetone	31.4	UG/KG	63900	21000
Allyl chloride	3.6	UG/KG	ND	ND
Benzyl chloride	4.3	UG/KG	139	142
2-butanone	36.3	UG/KG	2260	3460
Carbon disulfide	4.7	UG/KG	622	264
Chloroprene	3.1	UG/KG	ND	ND
1,2-dibromoethane	2.5	UG/KG	ND	ND
Isopropylbenzene	1.3	UG/KG	68.9	75.4
Methyl Iodide	3.8	UG/KG	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND
ortho-xylene	1.9	UG/KG	114	126
Styrene	1.7	UG/KG	143	143
1,2,4-trichlorobenzene	2.5	UG/KG	30.7	ND
meta,para xylenes	4.2	UG/KG	240	295
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND
4-methyl-2-pentanone	9.7	UG/KG	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2010 P506299	28-FEB-2010 P510362	31-MAR-2010 P513379	30-APR-2010 P517195	31-MAY-2010 P520669	30-JUN-2010 P523955
Acrolein	6.4	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	2.1	UG/KG	ND	ND	ND	ND	ND	3.6
Bromodichloromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	6.9	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/KG	4.1	2.7	ND	ND	2.6	4.4
Chloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	2.3	UG/KG	ND	ND	ND	ND	ND	ND
Chloromethane	3.4	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	9.5	10.4	10.3	9.6	10.6	ND
1,3-dichlorobenzene	1.8	UG/KG	ND	3.7	3.4	ND	2.9	5.1
1,4-dichlorobenzene	1.5	UG/KG	78.8	78.1	96.2	100.0	114.0	162.0
Dichlorodifluoromethane	5.56	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.4	UG/KG	225.0	244.0	643.0	438.0	203.0	221.0
Methylene chloride	3.5	UG/KG	44.5	9.2	19.9	13.1	42.4	60.8
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	1.2	UG/KG	45.6	38.6	62.0	67.2	47.9	69.3
1,1,1-trichloroethane	3.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	2.6	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Compounds	6.9	UG/KG	0.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	6.9	UG/KG	407.5	386.7	834.8	627.9	423.4	526.2

Additional analytes determined

Acetone	31.4	UG/KG	20400.0	15700.0	23400.0	20100.0	35200.0	29600.0
Allyl chloride	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	4.3	UG/KG	45.4	58.6	111.0	67.6	57.3	856.0
2-butanone	36.3	UG/KG	4510.0	3790.0	4830.0	5300.0	8380.0	6800.0
Carbon disulfide	4.7	UG/KG	128.0	70.8	110.0	138.0	170.0	140.0
Chloroprene	3.1	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	2.5	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.3	UG/KG	61.5	20.4	22.7	19.7	19.5	60.4
Methyl Iodide	3.8	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	3.4	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	1.9	UG/KG	47.6	52.4	58.2	49.7	49.7	105.0
Styrene	1.7	UG/KG	37.4	44.4	110.0	82.6	33.9	49.9
1,2,4-trichlorobenzene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	4.2	UG/KG	95.7	104.0	113.0	92.2	92.3	186.0
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	836.0	877.0	930.0	920.0	941.0	907.0
4-methyl-2-pentanone	9.7	UG/KG	23.8	17.9	53.2	25.5	25.7	31.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JUL-2010 P528411	31-AUG-2010 P532026	30-SEP-2010 P536066	31-OCT-2010 P539387	30-NOV-2010 P543490	31-DEC-2010 P547247
Acrolein	6.4	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	2.1	UG/KG	3.6	ND	ND	ND	ND	5.8
Bromodichloromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	6.9	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/KG	5.6	ND	ND	ND	ND	2.3
Chloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	2.3	UG/KG	12.6	ND	ND	ND	ND	ND
Chloromethane	3.4	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	19.4	14.5	20.3	21.6	16.7	12.9
1,3-dichlorobenzene	1.8	UG/KG	6.2	ND	2.8	ND	ND	3.3
1,4-dichlorobenzene	1.5	UG/KG	171.0	212.0	194.0	265.0	238.0	257.0
Dichlorodifluoromethane	5.56	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.4	UG/KG	155.0	129.0	104.0	124.0	128.0	157.0
Methylene chloride	3.5	UG/KG	102.0	13.3	56.3*	10.2	137.0	18.5
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	1.2	UG/KG	59.4	53.7	53.9	47.7	54.1	68.2
1,1,1-trichloroethane	3.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	2.6	UG/KG	<2.6	ND	ND	ND	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Compounds	6.9	UG/KG	12.6	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	6.9	UG/KG	534.8	422.5	375.0	468.5	573.8	525.0
Additional analytes determined								
Acetone	31.4	UG/KG	47500.0	33900.0	18800.0	29300.0	27300.0	36600.0
Allyl chloride	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	4.3	UG/KG	188.0	109.0	97.0	ND	ND	ND
2-butanone	36.3	UG/KG	9630.0	8250.0	9030.0	7220.0	7670.0	7900.0
Carbon disulfide	4.7	UG/KG	149.0	113.0	121.0	210.0	100.0	220.0
Chloroprene	3.1	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	2.5	UG/KG	<2.5	ND	ND	ND	ND	ND
Isopropylbenzene	1.3	UG/KG	25.9	23.0	16.5	69.5	50.4	50.5
Methyl Iodide	3.8	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	3.4	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	1.9	UG/KG	52.4	51.7	50.0	48.4	43.7	49.1
Styrene	1.7	UG/KG	30.0	223.0	33.8	47.5	86.5	34.0
1,2,4-trichlorobenzene	2.5	UG/KG	25.9	8.4	ND	9.6	9.9	ND
meta,para xylenes	4.2	UG/KG	99.8	85.6	95.8	87.2	78.0	90.7
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	1330.0	1510.0	945.0	903.0	854.0	822.0
4-methyl-2-pentanone	9.7	UG/KG	33.9	<9.7	142.0	50.3	17.2	41.4

* = Did not meet Quality control criteria for method blank. Methylene chloride detected in method blank at 20.8 ug/kg. Values not included in summary calculations.

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

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

Average

Analyte	MDL	Units	
Acrolein	6.4	UG/KG	ND
Acrylonitrile	3.9	UG/KG	ND
Benzene	2.1	UG/KG	1.1
Bromodichloromethane	2.2	UG/KG	ND
Bromoform	2.4	UG/KG	ND
Bromomethane	6.9	UG/KG	ND
Carbon tetrachloride	3	UG/KG	ND
Chlorobenzene	1	UG/KG	1.8
Chloroethane	3.6	UG/KG	ND
Chloroform	2.3	UG/KG	1.1
Chloromethane	3.4	UG/KG	ND
Dibromochloromethane	2.4	UG/KG	ND
1,2-dichlorobenzene	1.5	UG/KG	13.0
1,3-dichlorobenzene	1.8	UG/KG	2.3
1,4-dichlorobenzene	1.5	UG/KG	163.8
Dichlorodifluoromethane	5.56	UG/KG	ND
1,1-dichloroethane	1.9	UG/KG	ND
1,2-dichloroethane	3.6	UG/KG	ND
1,1-dichloroethene	5	UG/KG	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND
1,2-dichloropropane	2.6	UG/KG	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND
Ethylbenzene	1.4	UG/KG	230.9
Methylene chloride	3.5	UG/KG	42.8
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND
Tetrachloroethene	2.8	UG/KG	ND
Toluene	1.2	UG/KG	55.6
1,1,1-trichloroethane	3.2	UG/KG	ND
1,1,2-trichloroethane	2.8	UG/KG	ND
Trichloroethene	2.6	UG/KG	0.0
Trichlorofluoromethane	2.2	UG/KG	ND
Vinyl chloride	4.8	UG/KG	ND
Halomethane Purgeable Compounds	6.9	UG/KG	1.1
Purgeable Compounds	6.9	UG/KG	508.8

Additional analytes determined

Acetone	31.4	UG/KG	28150.0
Allyl chloride	3.6	UG/KG	ND
Benzyl chloride	4.3	UG/KG	132.5
2-butanone	36.3	UG/KG	6942.5
Carbon disulfide	4.7	UG/KG	139.2
Chloroprene	3.1	UG/KG	ND
1,2-dibromoethane	2.5	UG/KG	0.0
Isopropylbenzene	1.3	UG/KG	36.7
Methyl Iodide	3.8	UG/KG	ND
Methyl methacrylate	2.4	UG/KG	ND
Methyl tert-butyl ether	3.4	UG/KG	ND
2-nitropropane	45.8	UG/KG	ND
ortho-xylene	1.9	UG/KG	54.8
Styrene	1.7	UG/KG	67.8
1,2,4-trichlorobenzene	2.5	UG/KG	4.5
meta,para xylenes	4.2	UG/KG	101.7
2-chloroethylvinyl ether	5.5	UG/KG	ND
Dibromofluoromethane		UG/KG	981.3
4-methyl-2-pentanone	9.7	UG/KG	38.5

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-2010 to 31-DEC-2010

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			02-FEB-2010 P504388	04-MAY-2010 P515390	03-AUG-2010 P524948	05-OCT-2010 P533505	02-FEB-2010 P504393	04-MAY-2010 P515395
Acenaphthene	1.8	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND	4.6	3.1
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND	12.5	23.8
Diethyl phthalate	3.05	UG/L	6.8	8.8	6.1	6.8	6.8	10.0
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	6.8	8.8	6.1	6.8	23.9	36.9

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND	ND	ND

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-2010 to 31-DEC-2010

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			03-AUG-2010 P524953	05-OCT-2010 P533510	02-FEB-2010 P504403	04-MAY-2010 P515405	03-AUG-2010 P524963	05-OCT-2010 P533520
Acenaphthene	1.8	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	18.0	ND	13.4	ND	ND
Diethyl phthalate	3.05	UG/L	6.2	5.5	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	6.2	23.5	0.0	13.4	0.0	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - Priority Pollutants Base/Neutral Compounds, EPA Method 605 & 8270C
 From 01-JAN-2010 to 31-DEC-2010

Analyte	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
		28-FEB-2010 P510362	31-MAY-2010 P520669	31-AUG-2010 P532026	31-OCT-2010 P539387
Acenaphthene	330 UG/KG	ND	ND	ND	ND
Acenaphthylene	330 UG/KG	ND	ND	ND	ND
Anthracene	330 UG/KG	ND	ND	ND	ND
Benzidine	330 UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330 UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	330 UG/KG	ND	ND	ND	ND
Benzo[K]fluoranthene	330 UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	330 UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	330 UG/KG	ND	ND	ND	ND
4-bromophenyl phenyl ether	330 UG/KG	ND	ND	ND	ND
bis(2-chloroethoxy)methane	330 UG/KG	ND	ND	ND	ND
bis(2-chloroethyl) ether	330 UG/KG	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	330 UG/KG	ND	ND	ND	ND
4-chlorophenyl phenyl ether	330 UG/KG	ND	ND	ND	ND
Chrysene	330 UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	330 UG/KG	ND	ND	ND	ND
Butyl benzyl phthalate	330 UG/KG	1700	2670	ND	ND
Di-n-butyl phthalate	330 UG/KG	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	330 UG/KG	77000	94700	81700	93000
Diethyl phthalate	330 UG/KG	ND	ND	ND	ND
Dimethyl phthalate	330 UG/KG	ND	ND	ND	ND
Di-n-octyl phthalate	330 UG/KG	ND	ND	ND	ND
3,3-dichlorobenzidine	330 UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330 UG/KG	ND	ND	ND	ND
2,6-dinitrotoluene	330 UG/KG	ND	ND	ND	ND
1,2-diphenylhydrazine	UG/KG	ND	ND	ND	ND
Fluoranthene	330 UG/KG	ND	ND	ND	ND
Fluorene	330 UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330 UG/KG	ND	ND	ND	ND
Hexachlorobutadiene	330 UG/KG	ND	ND	ND	ND
Hexachlorocyclopentadiene	330 UG/KG	ND	ND	ND	ND
Hexachloroethane	330 UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	330 UG/KG	ND	ND	ND	ND
Isophorone	330 UG/KG	ND	ND	ND	ND
Naphthalene	330 UG/KG	ND	435	577	434
Nitrobenzene	330 UG/KG	ND	ND	ND	ND
N-nitrosodimethylamine	330 UG/KG	ND	ND	ND	ND
N-nitrosodi-n-propylamine	330 UG/KG	ND	ND	ND	ND
N-nitrosodiphenylamine	330 UG/KG	ND	ND	ND	ND
Phenanthrene	330 UG/KG	527	500	982	ND
Pyrene	330 UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	330 UG/KG	ND	ND	<330	<330
Polynuc. Aromatic Hydrocarbons		527	500	982	0
Base/Neutral Compounds		79227	98305	83259	93434
Additional analytes determined					
Benzo[e]pyrene	UG/KG	ND	ND	ND	ND
Biphenyl	UG/KG	ND	ND	171	414
2,6-dimethylnaphthalene	UG/KG	1680	2050	2180	2550
1-methylnaphthalene	UG/KG	ND	ND	948	862
1-methylphenanthrene	UG/KG	ND	ND	ND	ND
2-methylnaphthalene	UG/KG	864	1000	1330	1060
2,3,5-trimethylnaphthalene	UG/KG	ND	ND	ND	ND
Perylene	330 UG/KG	ND	ND	ND	ND
2-chloronaphthalene	UG/KG	ND	ND	ND	ND
Pyridine	UG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Method: SW8280A			EFFLUENT	EFFLUENT TCDD	EFFLUENT	EFFLUENT TCDD	EFFLUENT	EFFLUENT TCDD
Analytes	MDL Units	Equiv.	JAN-2010 P504896	JAN-2010 P504896	FEB-2010 P504388	FEB-2010 P504388	MAR-2010 P511471	MAR-2010 P511471
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Method: SW8280A			EFFLUENT	EFFLUENT TCDD	EFFLUENT	EFFLUENT TCDD	EFFLUENT	EFFLUENT TCDD
Analytes	MDL Units	Equiv.	APR-2010 P513468	APR-2010 P513468	MAY-2010 P515390	MAY-2010 P515390	JUN-2010 P522778	JUN-2010 P522778
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.
nd= not detected
NA= not analyzed NS= not sampled
NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Method: SW8280A			EFFLUENT	EFFLUENT
			JUL-2010	TCDD
Analytes	MDL Units	Equiv.	P525975	JUL-2010
			P525975	P525975
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND
octa CDD	247 PG/L	0.001	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.500	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND
octa CDF	222 PG/L	0.001	ND	ND

Method: EPA1613				EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
				AUG-2010	TCDD	SEP-2010	TCDD	OCT-2010	TCDD
Analytes	MDL	Units	Equiv.	P524948	P524948	P530839	P530839	P533505	P533505
2,3,7,8-tetra CDD	.212	PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.302	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.328	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.381	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.351	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.495	PG/L	0.010	4.80	0.048	3.0	0.030	ND	ND
octa CDD	1.02	PG/L	0.001	30.0	0.03	24.0	0.024	27.0	0.027
2,3,7,8-tetra CDF	.112	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.219	PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.232	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.162	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.167	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.251	PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	.28	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	.451	PG/L	0.001	ND	ND	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.
nd= not detected
NA= not analyzed NS= not sampled
NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Method: EPA1613

Analytes	MDL	Units	Equiv.	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
				NOV-2010 P539664	NOV-2010 P539664	DEC-2010 P544952	DEC-2010 P544952
2,3,7,8-tetra CDD	.212	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.302	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	.328	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.381	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.351	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.495	PG/L	0.010	3.60	0.036	3.0	0.030
octa CDD	1.02	PG/L	0.001	30.0	0.03	29.0	0.029
2,3,7,8-tetra CDF	.112	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.219	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.232	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.162	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.167	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.251	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	.28	PG/L	0.010	ND	ND	ND	ND
octa CDF	.451	PG/L	0.001	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.
nd= not detected
NA= not analyzed NS= not sampled
NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Method: SW8280A			INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			TCDD		TCDD		TCDD	
Analytes	MDL Units	Equiv.	FEB-2010	FEB-2010	JAN-2010	JAN-2010	MAR-2010	MAR-2010
			P504393	P504393	P504899	P504899	P511474	P511474
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Method: SW8280A			INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			TCDD		TCDD		TCDD	
Analytes	MDL Units	Equiv.	APR-2010	APR-2010	MAY-2010	MAY-2010	JUN-2010	JUN-2010
			P513471	P513471	P515395	P515395	P522781	P522781
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.
nd= not detected
NA= not analyzed NS= not sampled
NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Analytes	MDL	Units	Equiv.	INFLUENT	INFLUENT
				JUL-2010	TCCD
				P525978	P525978
2,3,7,8-tetra CDD	125	PG/L	1.000	ND	ND
1,2,3,7,8-penta CDD	123	PG/L	0.500	ND	ND
1,2,3,4,7,8-hexa_CDD	113	PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDD	98	PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDD	111	PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDD	137	PG/L	0.010	ND	ND
octa CDD	247	PG/L	0.001	ND	ND
2,3,7,8-tetra CDF	115	PG/L	0.100	ND	ND
1,2,3,7,8-penta CDF	140	PG/L	0.050	ND	ND
2,3,4,7,8-penta CDF	118	PG/L	0.500	ND	ND
1,2,3,4,7,8-hexa CDF	147	PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDF	107	PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDF	152	PG/L	0.100	ND	ND
2,3,4,6,7,8-hexa CDF	148	PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDF	90	PG/L	0.010	ND	ND
1,2,3,4,7,8,9-hepta CDF	166	PG/L	0.010	ND	ND
octa CDF	222	PG/L	0.001	ND	ND

Analytes	MDL	Units	Equiv.	INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT	INFLUENT
				03-AUG-2010	TCCD	03-SEP-2010	TCCD	05-OCT-2010	TCCD
				P524953	P524953	P530842	P530842	P533510	P533510
2,3,7,8-tetra CDD	.212	PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.302	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	.328	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.381	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.351	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.495	PG/L	0.010	20.0	0.200	17.0	0.170	15.0	0.150
octa CDD	1.02	PG/L	0.001	130.0	0.130	190.0	0.190	130.0	0.130
2,3,7,8-tetra CDF	.112	PG/L	0.100	ND	ND	1.10	0.110	ND	ND
1,2,3,7,8-penta CDF	.219	PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.232	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.162	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.167	PG/L	0.100	ND	ND	3.40	0.340	4.50	0.450
1,2,3,7,8,9-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.251	PG/L	0.010	4.20	0.042	6.50	0.065	ND	ND
1,2,3,4,7,8,9-hepta CDF	.28	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	.451	PG/L	0.001	8.70	0.009	17.0	0.017	ND	ND

Above are permit required CDD/CDF isomers.
nd= not detected
NA= not analyzed NS= not sampled
NS= not sampled

POINT LOMA WASTEWATER TREATMENT PLANT
Dioxin and Furan Analysis
ANALYZED BY: Frontier Analytical Laboratories
From 01-JAN-2010 to 31-DEC-2010

Method: EPA1613

Analytes	MDL	Units	Equiv.	INFLUENT	INFLUENT	INFLUENT	INFLUENT
				06-NOV-2010	06-NOV-2010	16-DEC-2010	16-DEC-2010
				P539667	P539667	P544955	P544955
2,3,7,8-tetra CDD	.212	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.302	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.328	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.381	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.351	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.495	PG/L	0.010	18.0	0.180	23.0	0.230
octa CDD	1.02	PG/L	0.001	200.0	0.200	290.0	0.290
2,3,7,8-tetra CDF	.112	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.219	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.232	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.162	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.167	PG/L	0.100	2.60	0.260	3.10	0.310
1,2,3,7,8,9-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.185	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.251	PG/L	0.010	7.0	0.070	6.70	0.067
1,2,3,4,7,8,9-hepta CDF	.28	PG/L	0.010	ND	ND	ND	ND
octa CDF	.451	PG/L	0.001	19.0	0.019	18.0	0.018

Above are permit required CDD/CDF isomers.

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NS= not sampled

POINT LOMA WASTEWATER TREATMENT
 SLUDGE PROJECT - ANNUAL SUMMARY
 Dioxin and Furan Analysis, SW-846 Method 8290
 From 01-JAN-2010 to 31-DEC-2010

Analyzed by: Testamerica Laboratories

Analyte	MDL	Units	MBCDEWCN
			31-MAY-2010 P520669
2,3,7,8-tetra CDD		NG/KG	ND
1,2,3,7,8-penta CDD		NG/KG	ND
1,2,3,4,7,8_hexa_CDD		NG/KG	ND
1,2,3,6,7,8-hexa CDD		NG/KG	ND
1,2,3,7,8,9-hexa CDD		NG/KG	ND
1,2,3,4,6,7,8-hepta CDD		NG/KG	125.0
octa CDD		NG/KG	1450.0
2,3,7,8-tetra CDF		NG/KG	4.75
1,2,3,7,8-penta CDF		NG/KG	ND
2,3,4,7,8-penta CDF		NG/KG	ND
1,2,3,4,7,8-hexa CDF		NG/KG	ND
1,2,3,6,7,8-hexa CDF		NG/KG	ND
1,2,3,7,8,9-hexa CDF		NG/KG	ND
2,3,4,6,7,8-hexa CDF		NG/KG	ND
1,2,3,4,6,7,8-hepta CDF		NG/KG	33.5
1,2,3,4,7,8,9-hepta CDF		NG/KG	ND
octa CDF		NG/KG	78.5

Analyzed by: Frontier Analytical Laboratories

Analyte	MDL	Units	MBCDEWCN
			31-OCT-2010 P539387
2,3,7,8-tetra CDD	.0262	NG/KG	1.41
1,2,3,7,8-penta CDD	.0442	NG/KG	E3.89
1,2,3,4,7,8_hexa_CDD	.0486	NG/KG	E1.64
1,2,3,6,7,8-hexa CDD	.0586	NG/KG	26.90
1,2,3,7,8,9-hexa CDD	.0529	NG/KG	9.08
1,2,3,4,6,7,8-hepta CDD	.0954	NG/KG	233.0
octa CDD		NG/KG	1490.0
2,3,7,8-tetra CDF	.0205	NG/KG	4.35
1,2,3,7,8-penta CDF	.0298	NG/KG	E1.25
2,3,4,7,8-penta CDF	.0313	NG/KG	E1.11
1,2,3,4,7,8-hexa CDF	.0308	NG/KG	E2.44
1,2,3,6,7,8-hexa CDF	.0317	NG/KG	2.98
1,2,3,7,8,9-hexa CDF	.0387	NG/KG	E0.54
2,3,4,6,7,8-hexa CDF	.0341	NG/KG	E2.74
1,2,3,4,6,7,8-hepta CDF	.0418	NG/KG	28.80
1,2,3,4,7,8,9-hepta CDF	.0429	NG/KG	E1.67
octa CDF		NG/KG	83.2

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

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