

## VI. Annual Pretreatment Program Sludge Analysis

### 2004 Annual Pretreatment Program Sludge Analysis (QUARTERLY SLUDGE PROJECT)

#### POINT LOMA WASTEWATER TREATMENT PLANT ORDER NO. R9-2002-0025 NPDES PERMIT NO. CA0107409

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

The Quarterly Sludge Project was conducted 4 times during 2004, composite sampling on February 11, May 12, August 11, and October 6, grab samples taken the second day from each on-going waste stream. Monthly composite samples of MBC dewatered sludge (belt-press dewatered) during the respective calendar months were taken and analyzed for a similar suite of parameters. The tables showing the results of these analyses follow in this section.

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

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

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

The North City Reclamation Water Plant is included in the Pre-treatment monitoring program and data from that aspect of the program is reported in subsection B. The plant primary influents (N01-PS\_INF and N01-PEN), Primary effluent (N10-EFF), disinfected final effluent (N30-DFE), and reclaimed water (N34-REC WATER) were sampled. For influent and effluent samples, automatic refrigerated samplers composited over a 24 hour period.

\* 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
T J INTERCEPT	Tijuana interceptor No flow for entire year, no samples exc.	NCWRP	North City Water Reclamation Plant
N01-PEN	NCWRP influent from Penasquitos line.	N01-PS_INF	NCWRP influent from pump station 64
N10-EFF	NCWRP Primary effluent	N01-PEN	NCWRP Penasquitos influent
N30-DFE	NCWRP disinfected final effluent	N34-REC WATER	NCWRP reclaimed water.

A. Pt. Loma and Metro Biosolids Center sources

POINT LOMA WASTEWATER TREATMENT PLANT  
2004 Quarterly Sludge Project

Physical/Aggregate Properties Report

Point Loma

Analyte	MDL Units	PLR	PLR	PLR	PLR
		GRAB	GRAB	GRAB	GRAB
		11-FEB-2004	12-MAY-2004	11-AUG-2004	06-OCT-2004
HEM (Grease & Oil)	1.4 mg/L	39.8	41.9	52.1	48.9
pH (grab sample)	pH Units	7.39	7.34	7.22	7.27

Analyte	MDL Units	PLR	PLR	PLR	PLR
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Conductivity	10 umhos/cm	2650	2910	2640	2710
Total Suspended Solids	1.6 mg/L	307	364	352	320
Volatile Suspended Solids	1.6 mg/L	247	286	287	254
Total Alkalinity (bicarbonate)	1.5 mg/L	281	283	281	272
Total Solids	100 mg/L	1940	2420	1980	1920
Total Kjeldahl Nitrogen	1.6 mg/L	63	46	57	48
BOD (Biochemical Oxygen Demand)	2 mg/L	246	251	324	234
Chemical Oxygen Demand	22 mg/L	449	475	958	519
Ammonia-N	.2 mg/L	29.1	29.7	29.1	30.2
Total Volatile Solids	100 mg/L	512	798	567	516
Turbidity	NTU	135.0	140.0	150.0	150.0
Total Dissolved Solids	42 mg/L	1540	1790	1450	1440
MBAS (Surfactants)	.03 mg/L	8	12	6	8

Analyte	MDL Units	PLE	PLE	PLE	PLE
		GRAB	GRAB	GRAB	GRAB
		11-FEB-2004	12-MAY-2004	11-AUG-2004	06-OCT-2004
HEM (Grease & Oil)	1.4 mg/L	11.8	24.3	16.4	8.6
pH (grab sample)	pH Units	7.32	7.04	7.21	7.16

Analyte	MDL Units	PLE	PLE	PLE	PLE
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Conductivity	10 umhos/cm	2600	2900	2670	2740
Total Suspended Solids	1.6 mg/L	38	46	43	33
Volatile Suspended Solids	1.6 mg/L	28	32	30	23
Total Alkalinity (bicarbonate)	1.5 mg/L	252	249	252	241
Total Solids	100 mg/L	1650	1920	1740	1670
Total Kjeldahl Nitrogen	1.6 mg/L	84	39	43	40
BOD (Biochemical Oxygen Demand)	2 mg/L	87	94	115	76
Chemical Oxygen Demand	22 mg/L	201	291	248	181
Ammonia-N	.2 mg/L	29.4	30.0	29.3	30.2
Total Volatile Solids	100 mg/L	280	383	235	336
Turbidity	NTU	42.0	55.0	52.0	45.0
Total Dissolved Solids	42 mg/L	1550	1800	1450	1490
MBAS (Surfactants)	.03 mg/L	7	8	6	7

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

POINT LOMA WASTEWATER TREATMENT PLANT  
2004 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Total Alkalinity (bicarbonate)	1.5	mg/L	1130	1010	1050	904
Total Solids		Wt%	4.27	4.13	3.92	4.06
Total Volatile Solids		Wt%	74	75	75	73
Total Kjeldahl Nitrogen	.04	Wt%	4.5	3.7	3.1	3.4
pH		pH Units	6.35	6.00	5.70	6.18

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Total Alkalinity (bicarbonate)	1.5	mg/L	3230	3130	2970	2750
Total Solids		Wt%	2.28	2.23	2.24	2.34
Total Volatile Solids		Wt%	55	54	55	53
Total Kjeldahl Nitrogen	.04	Wt%	7.5	6.2	5.8	4.8
pH		pH Units	7.41	7.24	7.45	7.30

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

POINT LOMA WASTEWATER TREATMENT PLANT  
2004 Quarterly Sludge Project

Physical/Aggregate Properties Report

MBC

Analyte	MDL Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
		GRAB	GRAB	GRAB	GRAB
		11-FEB-2004	12-MAY-2004	11-AUG-2004	06-OCT-2004
HEM (Grease & Oil)	1.4 mg/L	4.4	106.0	6.0	24.1
pH (grab sample)	pH Units	7.71	7.67	7.74	7.68

Analyte	MDL Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Conductivity	10 umhos/cm	4930	4670	4700	4990
Total Suspended Solids	1.6 mg/L	235	3430	700	1160
Volatile Suspended Solids	1.6 mg/L	170	2530	525	800
Total Alkalinity (bicarbonate)	1.5 mg/L	1630	1690	1420	1310
Total Solids	Wt%	0.19	0.37	0.28	0.33
Total Volatile Solids	Wt%	29	47	44	44
Total Kjeldahl Nitrogen	1.6 mg/L	381	452	373	381
BOD (Biochemical Oxygen Demand)	2 mg/L	213	<600	196	306
Chemical Oxygen Demand	22 mg/L	584	573	*	503
pH	3 pH Units	7.85	7.89	7.87	7.81
Ammonia-N	.2 mg/L	315.0	349.0	268.0	325.0

Analyte	MDL Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		29-FEB-2004	31-MAY-2004	31-AUG-2004	31-OCT-2004
Total Solids	Wt%	28.90	26.90	27.40	27.30
Total Volatile Solids	Wt%	56	55	55	53
Total Kjeldahl Nitrogen	.04 Wt%	4.4	4.3	4.2	3.8
pH	3 pH Units	7.79	7.86	8.12	8.17

Analyte	MDL Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Total Alkalinity (bicarbonate)	1.5 mg/L	2550	2370	2540	2220
Total Solids	Wt%	2.14	2.44	2.66	2.65
Total Volatile Solids	Wt%	63	71	65	65
Total Kjeldahl Nitrogen	1.6 mg/L	1660	2100	2020	1980
pH	3 pH Units	7.15	7.20	7.27	7.13

Analyte	MDL Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Total Suspended Solids	1.6 mg/L	4660	2120	1600	2040
Volatile Suspended Solids	1.6 mg/L	3960	1840	1330	1760
Total Alkalinity (bicarbonate)	1.5 mg/L	292	246	281	254
Total Solids	Wt%	0.50	0.26	0.31	0.27
Total Volatile Solids	Wt%	76	55	62	57
Total Kjeldahl Nitrogen	1.6 mg/L	358	155	91	105
pH	3 pH Units	6.83	6.67	6.82	6.63

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

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

From: 01-JAN-2004 to: 31-DEC-2004

Source:		PLE	PLE	PLE	PLE	PLR	PLR
Date:		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
Sample ID:	MDL Units	P244337	P253880	P264290	P271532	P244342	P253885
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	117	106	93	48	1950	1750
Antimony	23 UG/L	45	39	<1	ND	26	ND
Arsenic	.4 UG/L	0.68	1.45	ND	0.86	1.20	1.10
Barium	10 UG/L	36	37	31	24	121	120
Beryllium	.39 UG/L	ND	ND	ND	ND	ND	ND
Boron	15 UG/L	409	486	417	407	316	477
Cadmium	1 UG/L	1.5	ND	0.4	ND	ND	ND
Chromium	5 UG/L	ND	ND	20.6	1.4	7.1	19.1
Cobalt	4 UG/L	ND	ND	0.4	1.1	ND	ND
Copper	4 UG/L	118	91	52	22	202	169
Iron	30 UG/L	5270	6520	5600	5170	8340	7360
Lead	18 UG/L	23	ND	ND	ND	ND	ND
Manganese	4 UG/L	150	170	147	177	142	141
Mercury	1.8 UG/L	ND	ND	ND	ND	0.11	0.13
Molybdenum	3 UG/L	6.1	8.4	19.7	13.3	ND	3.8
Nickel	14 UG/L	ND	ND	22	10	ND	ND
Selenium	.28 UG/L	1.31	1.30	0.89	0.83	1.65	1.94
Silver	6.6 UG/L	ND	ND	0.4	<0.2	ND	ND
Thallium	40 UG/L	ND	ND	ND	<2	ND	ND
Vanadium	7 UG/L	ND	ND	3.6	2.2	ND	ND
Zinc	4 UG/L	28	19	23	10	148	141
Bromide	.1 MG/L	1.00	1.69	1.28	1.46	1.05	1.91
Chloride	7 MG/L	546	604	518	541	551	<7
Fluoride	.05 MG/L	0.60	0.60	0.55	0.69	0.60	0.38
Nitrate	.04 MG/L	ND	ND	ND	ND	ND	ND
Ortho Phosphate	.2 MG/L	ND	ND	1.23	ND	5.13	6.30
Sulfate	9 MG/L	252	239	238	218	253	249
Calcium	.08 MG/L	89	80	79	74	95	95
Lithium	.01 MG/L	0.07	0.02	0.04	0.04	0.03	0.04
Magnesium	.02 MG/L	54	53	50	47	54	59
Potassium	2 MG/L	23	30	25	23	24	30
Sodium	.3 MG/L	364	363	350	327	355	394
Calcium Hardness	.2 MG/L	222	199	203	185	236	237
Magnesium Hardness	.08 MG/L	223	218	207	193	220	244
Total Hardness	.22 MG/L	445	418	410	378	456	481
Cyanides, Total	.002 MG/L	0.003	0.003	0.002	0.002	0.003	0.002
Sulfides-Total	.18 MG/L	0.33	0.49	0.61	0.49	2.65	3.20
Sulfides-Reactive	11 MG/KG	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	1.6 MG/L	84.0	39.0	43.1	40.4	63.1	45.8

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-2004 to: 31-DEC-2004

Source:		PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Sample ID:	MDL Units	P264295	P271537	P244352	P253895	P264305	P271547
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1550	1520	270	22500	5470	10300
Antimony	23 UG/L	<1	ND	26	ND	3	3
Arsenic	.4 UG/L	0.62	1.32	2.64	11.50	2.19	8.04
Barium	10 UG/L	106	105	67	988	330	579
Beryllium	.39 UG/L	ND	ND	ND	ND	0.09	0.17
Boron	15 UG/L	408	402	339	503	408	389
Cadmium	1 UG/L	0.6	0.5	ND	2.4	1.3	2.9
Chromium	5 UG/L	17.5	5.7	7.1	57.9	19.9	47.8
Cobalt	4 UG/L	0.4	0.7	ND	4.2	4.8	7.4
Copper	4 UG/L	145	113	109	1040	433	675
Iron	30 UG/L	8880	11100	10400	147000	54500	115000
Lead	18 UG/L	5	4	ND	ND	19	34
Manganese	4 UG/L	131	152	608	1630	479	705
Mercury	1.8 UG/L	0.19	0.32	0.10	2.99	0.56	1.19
Molybdenum	3 UG/L	20.7	15.6	ND	19.6	15.5	29.8
Nickel	14 UG/L	21	14	28	78	33	47
Selenium	.28 UG/L	1.86	1.43	2.42	10.30	3.66	7.01
Silver	6.6 UG/L	4.1	3.6	ND	43.4	13.0	22.7
Thallium	40 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	7 UG/L	7.4	4.5	ND	57.7	28.9	35.1
Zinc	4 UG/L	175	143	44	1190	474	896
Bromide	.1 MG/L	1.35	1.46	0.87	1.00	0.95	1.09
Chloride	7 MG/L	544	529	520	460	621	677
Fluoride	.05 MG/L	0.57	0.75	0.34	0.32	0.28	0.35
Nitrate	.04 MG/L	ND	ND	6.93	2.71	0.86	4.30
Ortho Phosphate	.2 MG/L	5.83	6.86	14.60	3.86	6.60	ND
Sulfate	9 MG/L	248	223	114	97	73	65
Calcium	.08 MG/L	87	89	160	188	151	228
Lithium	.01 MG/L	0.05	0.03	0.04	0.04	0.04	0.05
Magnesium	.02 MG/L	53	51	54	67	58	89
Potassium	2 MG/L	31	25	47	52	43	58
Sodium	.3 MG/L	387	346	296	320	309	414
Calcium Hardness	.2 MG/L	222	222	397	469	384	568
Magnesium Hardness	.08 MG/L	218	208	223	274	239	365
Total Hardness	.22 MG/L	440	430	620	744	622	933
Cyanides, Total	.002 MG/L	ND	0.002	0.006	0.009	0.005	0.004
Sulfides-Total	.18 MG/L	4.93	4.99	ND	16.90	3.11	6.96
Sulfides-Reactive	11 MG/KG	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	1.6 MG/L	57.2	47.9	381.0	452.0	373.0	381.0

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-2004 to: 31-DEC-2004

Source:		MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
Date:		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
Sample ID:	MDL Units	P244412	P253955	P264365	P271607	P244410	P253953
=====		=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	239000	290000	288000	268000	22500	26000
Antimony	23 UG/L	461	491	26	36	46	165
Arsenic	.4 UG/L	75.00	91.90	143.00	204.00	7.58	11.60
Barium	10 UG/L	7290	9820	12700	11600	754	843
Beryllium	.39 UG/L	2.22	2.96	3.24	3.10	0.67	0.57
Boron	15 UG/L	3220	2070	1110	936	213	527
Cadmium	1 UG/L	13.1	12.6	22.1	34.0	9.1	ND
Chromium	5 UG/L	709.0	638.0	772.0	820.0	72.5	18.0
Cobalt	4 UG/L	65.4	29.9	104.0	103.0	ND	7.2
Copper	4 UG/L	10400	17700	22300	16600	1260	1620
Iron	30 UG/L	1230000	1110000	1620000	1560000	51200	65100
Lead	18 UG/L	311	356	620	647	33	ND
Manganese	4 UG/L	10500	15000	8800	9320	2290	2060
Mercury	1.8 UG/L	36.60	38.70	47.80	30.30	4.77	2.00
Molybdenum	3 UG/L	495.0	486.0	577.0	564.0	36.9	8.2
Nickel	14 UG/L	938	550	654	640	122	48
Selenium	.28 UG/L	98.80	139.00	148.00	141.00	7.18	14.00
Silver	6.6 UG/L	519.0	732.0	735.0	689.0	58.5	60.0
Thallium	40 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	7 UG/L	853.0	364.0	546.0	353.0	10.2	ND
Zinc	4 UG/L	11700	12400	14600	14100	919	1080
Bromide	.1 MG/L	0.46	0.78	0.78	0.92	0.28	0.73
Chloride	7 MG/L	1120	1150	1210	1390	327	329
Fluoride	.05 MG/L	ND	0.30	0.21	0.36	0.36	0.30
Nitrate	.04 MG/L	ND	1.83	0.62	0.63	ND	0.70
Ortho Phosphate	.2 MG/L	ND	4.94	1.49	ND	6.82	15.10
Sulfate	9 MG/L	25	30	37	27	206	164
Calcium	.08 MG/L	77	33	64	103	99	76
Lithium	.01 MG/L	0.04	ND	0.04	0.03	0.02	ND
Magnesium	.02 MG/L	67	62	65	90	45	41
Potassium	2 MG/L	59	49	59	61	18	20
Sodium	.3 MG/L	274	217	240	278	216	189
Calcium Hardness	.2 MG/L	NA	NA	158	NA	NA	NA
Magnesium Hardness	.08 MG/L	NA	NA	266	NA	NA	NA
Total Hardness	.22 MG/L	NA	NA	424	NA	NA	NA
Cyanides, Total	.002 MG/L	0.017	0.021	0.034	0.015	0.003	0.004
Sulfides-Total	.18 MG/L	290.00	256.00	565.00	486.00	24.20	24.30
Sulfides-Reactive	11 MG/KG	131	113	184	177	22	19
Total Kjeldahl Nitrogen	1.6 MG/L	1660.0	2100.0	2020.0	1980.0	358.0	155.0

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-2004 to: 31-DEC-2004

Source:		MBC_NC_RSL	MBC_NC_RSL
Date:		10-AUG-2004	05-OCT-2004
Sample ID:	MDL Units	P264363	P271605
=====	====	=====	=====
Aluminum	50 UG/L	4690	12000
Antimony	23 UG/L	4	ND
Arsenic	.4 UG/L	1.47	13.60
Barium	10 UG/L	280	448
Beryllium	.39 UG/L	ND	ND
Boron	15 UG/L	321	295
Cadmium	1 UG/L	2.3	2.5
Chromium	5 UG/L	22.4	33.7
Cobalt	4 UG/L	ND	ND
Copper	4 UG/L	486	621
Iron	30 UG/L	35400	62800
Lead	18 UG/L	11	ND
Manganese	4 UG/L	579	961
Mercury	1.8 UG/L	0.50	1.65
Molybdenum	3 UG/L	20.5	29.6
Nickel	14 UG/L	35	49
Selenium	.28 UG/L	4.06	4.34
Silver	6.6 UG/L	16.8	26.8
Thallium	40 UG/L	ND	ND
Vanadium	7 UG/L	11.2	13.4
Zinc	4 UG/L	383	566
Bromide	.1 MG/L	0.61	0.90
Chloride	7 MG/L	372	404
Fluoride	.05 MG/L	0.23	0.33
Nitrate	.04 MG/L	ND	ND
Ortho Phosphate	.2 MG/L	45.80	29.50
Sulfate	9 MG/L	66	77
Calcium	.08 MG/L	77	100
Lithium	.01 MG/L	0.03	0.03
Magnesium	.02 MG/L	40	59
Potassium	2 MG/L	26	29
Sodium	.3 MG/L	203	262
Calcium Hardness	.2 MG/L	198	NA
Magnesium Hardness	.08 MG/L	164	NA
Total Hardness	.22 MG/L	363	NA
Cyanides, Total	.002 MG/L	0.003	0.003
Sulfides-Total	.18 MG/L	25.20	27.00
Sulfides-Reactive	11 MG/KG	ND	22
Total Kjeldahl Nitrogen	1.6 MG/L	90.7	105.0

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-2004 to: 31-DEC-2004

Source:			RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Sample ID:	MDL Units		P244382	P253925	P264335	P271577
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		5140	5730	5180	4890
Antimony	50 MG/KG		ND	ND	ND	1
Arsenic	.68 MG/KG		1.30	1.07	0.70	1.53
Barium	.5 MG/KG		186	307	153	258
Beryllium	.2 MG/KG		ND	ND	0.1	0.1
Boron	1.5 MG/KG		96	14	87	16
Cadmium	5 MG/KG		ND	ND	1	2
Chromium	7 MG/KG		ND	19	18	23
Cobalt	2.8 MG/KG		ND	ND	1.3	0.9
Copper	4 MG/KG		189	336	311	364
Iron	6 MG/KG		38700	45100	44700	53800
Lead	29 MG/KG		ND	ND	10	8
Manganese	.4 MG/KG		94	133	109	134
Mercury	.4 MG/KG		0.57	0.51	<0.40	0.61
Molybdenum	2.8 MG/KG		ND	10.4	12.2	11.9
Nickel	4 MG/KG		12	13	18	60
Selenium	.47 MG/KG		1.52	1.65	1.40	1.68
Silver	3 MG/KG		ND	15	10	11
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		20	19	34	15
Zinc	50 MG/KG		323	474	459	415
Bromide	3 MG/KG		15.6	24.9	ND	25.7
Chloride	180 MG/KG		13000	14900	18200	15400
Fluoride	1.25 MG/KG		NA	ND	ND	ND
Nitrate	1 MG/KG		ND	57.10	ND	ND
Ortho Phosphate	4 MG/KG		69.1	214.0	389.0	ND
Sulfate	220 MG/KG		611	596	1130	622
Cyanides, Total	.1 MG/KG		2.98	2.81	1.39	1.42
Cyanide, Releaseable	.0175 MG/KG		ND	ND	ND	ND
Sulfides-Total	2170 MG/KG		6600	13400	12200	16300
Sulfides-Reactive	11 MG/KG		113	154	204	190
Total Kjeldahl Nitrogen	.04 WT%		4.51	3.69	3.14	3.36

ND= Not Detected  
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 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  
 (Metals from Digestion and Ions from Supernatant)

From: 01-JAN-2004 to: 31-DEC-2004

Source:			DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Sample ID:	MDL Units		P244396	P253939	P264349	P271591
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		9740	10200	9350	7870
Antimony	50 MG/KG		ND	ND	2	2
Arsenic	.68 MG/KG		2.97	2.43	1.95	3.26
Barium	.5 MG/KG		189	515	191	403
Beryllium	.2 MG/KG		ND	ND	0.1	0.1
Boron	1.5 MG/KG		161	28	81	27
Cadmium	5 MG/KG		ND	ND	2	2
Chromium	7 MG/KG		25	35	30	35
Cobalt	2.8 MG/KG		ND	ND	3.1	2.8
Copper	4 MG/KG		366	517	533	518
Iron	6 MG/KG		63200	69900	72500	82500
Lead	29 MG/KG		ND	ND	23	20
Manganese	.4 MG/KG		138	191	176	196
Mercury	.4 MG/KG		1.33	1.57	1.20	1.33
Molybdenum	2.8 MG/KG		12.1	19.6	19.8	20.6
Nickel	4 MG/KG		16	22	29	28
Selenium	.47 MG/KG		3.93	3.67	3.36	3.16
Silver	3 MG/KG		ND	20	20	16
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		38	29	52	30
Zinc	50 MG/KG		605	790	780	715
Bromide	3 MG/KG		58.4	69.8	81.5	72.0
Chloride	180 MG/KG		26200	23700	35000	33900
Fluoride	1.25 MG/KG		ND	17.2	9.8	17.0
Nitrate	1 MG/KG		ND	325.00	32.70	ND
Ortho Phosphate	4 MG/KG		450.0	1150.0	618.0	303.0
Sulfate	220 MG/KG		1230	1180	1530	1070
Cyanides, Total	.1 MG/KG		3.13	1.79	2.65	3.01
Cyanide, Releaseable	.0175 MG/KG		ND	ND	ND	ND
Sulfides-Total	2170 MG/KG		11100	22600	25000	29500
Sulfides-Reactive	11 MG/KG		134	142	186	238
Total Kjeldahl Nitrogen	.04 WT%		7.49	6.19	5.75	4.78

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 NR= Not Required

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

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

From: 01-JAN-2004 to: 31-DEC-2004

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			29-FEB-2004	31-MAY-2004	31-AUG-2004	31-OCT-2004
Sample ID:	MDL Units		P248488	P258923	P270291	P277884
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		12500	11300	9890	9730
Antimony	50 MG/KG		ND	ND	2	3
Arsenic	.68 MG/KG		2.64	2.68	3.11	3.91
Barium	.5 MG/KG		94	511	190	235
Beryllium	.2 MG/KG		ND	ND	0.1	0.1
Boron	1.5 MG/KG		193	14	16	14
Cadmium	5 MG/KG		ND	ND	2	2
Chromium	7 MG/KG		33	42	33	42
Cobalt	2.8 MG/KG		<2.8	7.4	3.3	3.2
Copper	4 MG/KG		510	589	576	601
Iron	6 MG/KG		72300	81300	83700	97000
Lead	29 MG/KG		ND	ND	25	27
Manganese	.4 MG/KG		228	289	239	267
Mercury	.4 MG/KG		1.65	1.46	0.94	0.90
Molybdenum	2.8 MG/KG		18.4	21.6	22.0	23.8
Nickel	4 MG/KG		32	30	31	32
Selenium	.47 MG/KG		4.46	5.39	5.05	4.29
Silver	3 MG/KG		22	22	20	19
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		57	29	51	33
Zinc	50 MG/KG		786	842	810	791
Bromide	3 MG/KG		NA	NA	NA	NA
Chloride	180 MG/KG		NA	NA	NA	NA
Fluoride	1.25 MG/KG		NA	NA	NA	NA
Nitrate	1 MG/KG		NA	NA	NA	NA
Ortho Phosphate	4 MG/KG		NA	NA	NA	NA
Sulfate	220 MG/KG		NA	NA	NA	NA
Cyanides, Total	.1 MG/KG		1.56	0.64	1.52	8.15
Cyanide, Releaseable	.0175 MG/KG		ND	ND	ND	0.08
Sulfides-Total	2170 MG/KG		14300	16700	15900	22600
Sulfides-Reactive	11 MG/KG		42	62	82	69
Total Kjeldahl Nitrogen	.04 WT%		4.35	4.27	4.23	3.82

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 MBCDEWCN = MBC Dewatered Sludge Composite

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT  
 Radioactivity

From: 01-JAN-2004 to: 31-DEC-2004

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	10-FEB-2004	P244337	1.9±1.1	16.4±3.7
PLE	11-MAY-2004	P253880	0.8±1.0	15.9±4.7
PLE	10-AUG-2004	P264290	0.9±0.9	20.8±4.3
PLE	05-OCT-2004	P271532	1.7±1.0	21.1±4.0
PLR	10-FEB-2004	P244342	3.3±1.6	17.6±4.2
PLR	11-MAY-2004	P253885	0.4±1.9	17.0±4.8
PLR	10-AUG-2004	P264295	4.1±2.1	15.9±4.3
PLR	05-OCT-2004	P271537	4.4±1.4	25.3±4.2
MBC_COMBCN	10-FEB-2004	P244352	1.3±1.3	31.3±5.1
MBC_COMBCN	11-MAY-2004	P253895	8.4±2.2	47.2±11.9
MBC_COMBCN	10-AUG-2004	P264305	0.5±1.1	28.6±5.6
MBC_COMBCN	05-OCT-2004	P271547	3.1±2.0	37.4±4.5

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	29-FEB-2004	P248488	5210±2405	2120±1165
MBCDEWCN	31-MAY-2004	P258923	5080±2740	3000±1250
MBCDEWCN	31-AUG-2004	P270291	4750±2060	3350±1405
MBCDEWCN	31-OCT-2004	P277884	2790±2040	2270±1370

Units in picocuries per Kilogram (pCi/Kg)

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			10-FEB-2004 P244337	11-MAY-2004 P253880	10-AUG-2004 P264290	05-OCT-2004 P271532	10-FEB-2004 P244342	11-MAY-2004 P253885
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND	19.0
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	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	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	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.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	0.0	0.0	0.0	19.0
Aldrin + Dieldrin	60	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	19.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			10-AUG-2004 P264295	05-OCT-2004 P271537	10-FEB-2004 P244352	11-MAY-2004 P253895	10-AUG-2004 P264305	05-OCT-2004 P271547
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	31.0	29.0	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	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	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	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.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	31.0	29.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	31.0	29.0	0.0	0.0	0.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			10-FEB-2004 P244412	11-MAY-2004 P253955	10-AUG-2004 P264365	05-OCT-2004 P271607
Aldrin	60	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0
Endosulfans	30	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.	80	NG/L	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	60	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; NS=not sampled; NA=not analyzed



POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP
			10-FEB-2004 P244410	11-MAY-2004 P253953	10-AUG-2004 P264363	05-OCT-2004 P271605	10-FEB-2004 P244382	11-MAY-2004 P253925
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND	430.0
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	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	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	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.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	0.0	0.0	0.0	430.0
Aldrin + Dieldrin	60	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	430.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: SV

Analyte	MDL	Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			10-AUG-2004 P264335	05-OCT-2004 P271577	10-FEB-2004 P244396	11-MAY-2004 P253939	10-AUG-2004 P264349	05-OCT-2004 P271591
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	1650.0	440.0
Gamma (trans) Chlordane	80	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	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	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.	80	NG/L	0.0	0.0	0.0	0.0	1650.0	440.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	60	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	1650.0	440.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SLUDGE - Chlorinated Pesticide Analysis  
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2004 P245713	29-FEB-2004 P248488	31-MAR-2004 P251978	30-APR-2004 P255806	31-MAY-2004 P258923
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	45000	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	<28000	<28000	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	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
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	45000	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	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	0	0	0	0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SLUDGE - Chlorinated Pesticide Analysis  
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-JUN-2004 P262257	31-JUL-2004 P266275	31-AUG-2004 P270291	30-SEP-2004 P273638	31-OCT-2004 P277884
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	45000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	<18000	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	29500	38000
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	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	43500	73500	32500
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
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	36500	24000	ND	22000	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	45000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	0	0	0	29500	38000
Chlordane + related cmpds.	48000	NG/KG	0	0	43500	73500	32500
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	36500	24000	43500	125000	70500

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SLUDGE - Chlorinated Pesticide Analysis  
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	Annual Average
			30-NOV-2004 P281090	31-DEC-2004 P284307	
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	45000	NG/KG	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	0
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND
p,p-DDE	28000	NG/KG	58000	36500	13500
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	31500	15083
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND
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	6875
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	45000	NG/KG	0	0	0
DDT and derivatives	71000	NG/KG	58000	36500	13500
Chlordane + related cmpds.	48000	NG/KG	0	31500	15083
Polychlorinated biphenyls	580000	NG/KG	0	0	0
=====					
Chlorinated Hydrocarbons	580000	NG/KG	58000	68000	35458

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEMI-ANNUAL SLUDGE PROJECT-  
Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC  
Analysis: CW,TB,KD

Analyte	MDL	Units	PLE	PLE	PLR	PLR	MBC_COMBCN
			11-MAY-2004 P253880	05-OCT-2004 P271532	11-MAY-2004 P253885	05-OCT-2004 P271537	11-MAY-2004 P253895
Demeton O	.2	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.07	UG/L	0.1	ND	0.1	0.1	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.07	UG/L	0.1	0.4	0.1	0.4	ND
Parathion	.06	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.1	0.4	0.1	0.4	0.0
Demeton -O, -S	.2	UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.2	0.4	0.2	0.6	0.0
Tetraethylpyrophosphate		UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.08	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.06	UG/L	ND	ND	ND	ND	ND
Ronnel	.06	UG/L	ND	ND	ND	ND	ND
Trichloronate	.07	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.08	UG/L	ND	ND	ND	ND	ND
Tokuthion	.07	UG/L	ND	ND	ND	ND	ND
Stirophos	.08	UG/L	ND	ND	ND	ND	ND
Bolstar	.1	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.15	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	NA	ND	NA	ND	ND
Chlorpyrifos	.07	UG/L	ND	ND	ND	0.1	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus Pesticides EPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC  
Analysis: CW,TB,KD

Analyte	MDL	Units	MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
			05-OCT-2004 P271547	11-MAY-2004 P253955	05-OCT-2004 P271607	11-MAY-2004 P253953	05-OCT-2004 P271605
Demeton O	.2	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.07	UG/L	ND	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.07	UG/L	ND	ND	ND	ND	ND
Parathion	.06	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	.2	UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.0	0.0	0.0	0.0	0.0
Tetraethylpyrophosphate		UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.08	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.06	UG/L	ND	ND	ND	ND	ND
Ronnel	.06	UG/L	ND	ND	ND	ND	ND
Trichloronate	.07	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.08	UG/L	ND	ND	ND	ND	ND
Tokuthion	.07	UG/L	ND	ND	ND	ND	ND
Stirophos	.08	UG/L	ND	ND	ND	ND	ND
Bolstar	.1	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.15	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.07	UG/L	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus Pesticides EPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC

Analysis: CW,TB,KD

Analyte	MDL Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP
		11-MAY-2004 P253925	05-OCT-2004 P271577	11-MAY-2004 P253939	05-OCT-2004 P271591
Demeton O	.2 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.07 UG/L	3.3	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.07 UG/L	ND	ND	ND	ND
Parathion	.06 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0
Demeton -O, -S	.2 UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	13.3	8.9	10.9	7.4
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND
Disulfoton	.08 UG/L	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA
Dimethoate	.06 UG/L	ND	ND	ND	ND
Ronnel	.06 UG/L	ND	ND	ND	ND
Trichloronate	.07 UG/L	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND
Dichlofenthion	.08 UG/L	ND	ND	ND	ND
Tokuthion	.07 UG/L	ND	ND	ND	ND
Stirophos	.08 UG/L	ND	ND	ND	ND
Bolstar	.1 UG/L	ND	ND	ND	ND
Fensulfothion	.15 UG/L	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND
Chlorpyrifos	.07 UG/L	10.0	8.9	10.9	7.4

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



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

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			31-MAY-2004	31-OCT-2004
			P258923	P277884
Demeton O	67	UG/KG	ND	ND
Demeton S	27	UG/KG	ND	ND
Diazinon		UG/KG	32.5	28.0
Guthion	33	UG/KG	ND	ND
Malathion	20	UG/KG	ND	ND
Parathion	20	UG/KG	ND	ND

Additional analytes determined;

Tetraethylpyrophosphate		UG/KG	NA	NA
Dichlorvos	17	UG/KG	ND	ND
Dibrom		UG/KG	ND	ND
Ethoprop	27	UG/KG	ND	ND
Phorate	17	UG/KG	ND	ND
Sulfotepp	17	UG/KG	ND	ND
Disulfoton	20	UG/KG	ND	ND
Monocrotophos		UG/KG	NA	NA
Dimethoate	27	UG/KG	ND	ND
Ronnel	20	UG/KG	ND	ND
Trichloronate	20	UG/KG	ND	ND
Merphos	17	UG/KG	ND	ND
Dichlofenthion	20	UG/KG	ND	ND
Tokuthion	17	UG/KG	ND	ND
Stirophos	20	UG/KG	72.0	ND
Bolstar	50	UG/KG	ND	ND
Fensulfothion	100	UG/KG	ND	ND
EPN	33	UG/KG	ND	ND
Coumaphos	33	UG/KG	ND	ND
Mevinphos, e isomer	17	UG/KG	ND	ND
Mevinphos, z isomer	100	UG/KG	NA	ND
Chlorpyrifos		UG/KG	425.0	190.0
Thiophosphorus Pesticides	33	UG/KG	0.0	0.0
Demeton -O, -S	67	UG/KG	0.0	0.0
Total Organophosphorus Pesticides	100	UG/KG	529.5	218.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 From 01-JAN-2004 To 31-DEC-2004  
 QUARTERLY SLUDGE PROJECT  
 Tributyl Tin (Sewage)

	PLE 10-FEB-2004 P244337	PLE 11-MAY-2004 P253880	PLE 10-AUG-2004 P264290	PLE 05-OCT-2004 P271532	PLR 10-FEB-2004 P244342	PLR 11-MAY-2004 P253885	PLR 10-AUG-2004 P264295
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND

  

	PLR 05-OCT-2004 P271537	MBC_COMBCN 10-FEB-2004 P244352	MBC_COMBCN 11-MAY-2004 P253895	MBC_COMBCN 10-AUG-2004 P264305	MBC_COMBCN 05-OCT-2004 P271547	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 31-OCT-2004 P277884
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 Quarterly Sludge Project  
 Herbicide Analysis  
 From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: KD

Date: Sample:	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			29-FEB-2004 P248488	31-MAY-2004 P258923	31-AUG-2004 P270291	31-OCT-2004 P277884
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625  
 From 01-JAN-2004To 31-DEC-2004

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			10-FEB-2004 P244337	11-MAY-2004 P253880	10-AUG-2004 P264290	05-OCT-2004 P271532	10-FEB-2004 P244342	11-MAY-2004 P253885
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	11.00	10.10	9.05	7.35	13.80	11.50
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	38.40	32.10	22.50	20.00	53.30	38.20
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	11.00	10.10	9.05	7.35	13.80	11.50
Phenols	6.07	UG/L	11.00	10.10	9.05	7.35	13.80	11.50

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			10-AUG-2004 P264295	05-OCT-2004 P271537	10-FEB-2004 P244352	11-MAY-2004 P253895	10-AUG-2004 P264305	05-OCT-2004 P271547
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	11.40	14.70	5.70	4.40	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	29.40	39.00	ND	4.90	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	11.40	14.70	5.70	4.40	0.00	0.00
Phenols	6.07	UG/L	11.40	14.70	5.70	4.40	0.00	0.00

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625  
 From 01-JAN-2004To 31-DEC-2004

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP
			10-FEB-2004 P244382	11-MAY-2004 P253925	10-AUG-2004 P264335	05-OCT-2004 P271577	10-FEB-2004 P244396	11-MAY-2004 P253939
2-chlorophenol	1.76	UG/L	ND	<65.30	<67.50	<40.60	ND	<70.30
2,4-dichlorophenol	1.95	UG/L	ND	<72.30	<74.80	<45.00	ND	<77.90
4-chloro-3-methylphenol	1.34	UG/L	ND	<49.70	<51.40	<30.90	ND	<53.60
2,4,6-trichlorophenol	1.75	UG/L	ND	<64.90	<67.10	<40.40	ND	<69.90
Pentachlorophenol	5.87	UG/L	ND	<218.00	<225.00	<135.00	ND	<235.00
Phenol	2.53	UG/L	ND	<93.80	<97.00	<58.40	ND	<101.00
2-nitrophenol	1.88	UG/L	ND	<69.70	<72.10	<43.40	ND	<75.10
2,4-dimethylphenol	1.32	UG/L	ND	<48.90	<50.60	<30.50	ND	<52.80
2,4-dinitrophenol	6.07	UG/L	ND	<225.00	<233.00	<140.00	ND	<243.00
4-nitrophenol	3.17	UG/L	ND	<118.00	<122.00	<73.00	ND	<127.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	<159.00	<165.00	<99.00	ND	<171.00
2-methylphenol	1.51	UG/L	ND	<56.00	<57.90	<34.80	ND	<60.40
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	1710.00	1030.00	1200.00	961.00	ND	<169.00
2,4,5-trichlorophenol	1.66	UG/L	ND	<61.50	<63.70	<38.30	ND	<66.30
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	0.00	0.00	0.00	0.00	0.00	0.00

Analyte	MDL	Units	DIG COMP	DIG COMP	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			10-AUG-2004 P264349	05-OCT-2004 P271591	10-FEB-2004 P244412	11-MAY-2004 P253955	10-AUG-2004 P264365	05-OCT-2004 P271607
2-chlorophenol	1.76	UG/L	<53.90	<50.80	ND	<73.20	<65.10	<44.50
2,4-dichlorophenol	1.95	UG/L	<59.70	<56.30	ND	<81.10	<72.10	<49.30
4-chloro-3-methylphenol	1.34	UG/L	<41.00	<38.70	ND	<55.70	<49.60	<33.90
2,4,6-trichlorophenol	1.75	UG/L	<53.60	<50.50	ND	<72.80	<64.70	<44.20
Pentachlorophenol	5.87	UG/L	<180.00	<169.00	ND	<244.00	<217.00	<148.00
Phenol	2.53	UG/L	<77.50	<73.00	ND	<105.00	<94.00	<64.00
2-nitrophenol	1.88	UG/L	<57.60	<54.30	ND	<78.20	<69.60	<47.50
2,4-dimethylphenol	1.32	UG/L	<40.40	<38.10	ND	<54.90	<48.80	<33.40
2,4-dinitrophenol	6.07	UG/L	<186.00	<175.00	ND	<252.00	<225.00	<153.00
4-nitrophenol	3.17	UG/L	<97.00	<92.00	ND	<132.00	<117.00	<80.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	<131.00	<124.00	ND	<178.00	<159.00	<108.00
2-methylphenol	1.51	UG/L	<46.20	<43.60	ND	<62.80	<55.90	<38.20
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	<129.00	<122.00	ND	<176.00	<156.00	<107.00
2,4,5-trichlorophenol	1.66	UG/L	<50.80	<47.90	ND	<69.10	<61.40	<42.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	0.00	0.00	0.00	0.00	0.00	0.00

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625  
 From 01-JAN-2004To 31-DEC-2004

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			10-FEB-2004 P244410	11-MAY-2004 P253953	10-AUG-2004 P264363	05-OCT-2004 P271605
2-chlorophenol	1.76	UG/L	ND	<1.76	<1.76	<1.76
2,4-dichlorophenol	1.95	UG/L	ND	<1.95	<1.95	<1.95
4-chloro-3-methylphenol	1.34	UG/L	ND	<1.34	<1.34	<1.34
2,4,6-trichlorophenol	1.75	UG/L	ND	<1.75	<1.75	<1.75
Pentachlorophenol	5.87	UG/L	ND	<5.87	<5.87	<5.87
Phenol	2.53	UG/L	ND	<2.53	<2.53	<2.53
2-nitrophenol	1.88	UG/L	ND	<1.88	<1.88	<1.88
2,4-dimethylphenol	1.32	UG/L	ND	<1.32	<1.32	<1.32
2,4-dinitrophenol	6.07	UG/L	ND	<6.07	<6.07	<6.07
4-nitrophenol	3.17	UG/L	ND	<3.17	<3.17	<3.17
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	<4.29	<4.29	<4.29
2-methylphenol	1.51	UG/L	ND	<1.51	<1.51	<1.51
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	<4.22	<46.50	<4.22
2,4,5-trichlorophenol	1.66	UG/L	ND	<1.66	<1.66	<1.66
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	0.00	0.00	0.00	0.00

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SLUDGE  
Phenolics

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average
			29-FEB-2004 P248488	31-MAY-2004 P258923	31-AUG-2004 P270291	31-OCT-2004 P277884	
2,4,6-trichlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dichlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dimethylphenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dinitrophenol	330	UG/KG	*	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	800	UG/KG	*	ND	ND	ND	ND
2-chlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2-nitrophenol	330	UG/KG	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	330	UG/KG	ND	ND	ND	ND	ND
4-nitrophenol	800	UG/KG	ND	ND	ND	ND	ND
Pentachlorophenol	800	UG/KG	ND	ND	ND	ND	ND
Phenol	330	UG/KG	127000	100000	ND	170000	99250
Total Non-Chlorinated Phenols	800	UG/KG	133470	114500	6230	182200	109100
Total Chlorinated Phenols	800	UG/KG	0	0	0	0	0
Phenols	800	UG/KG	133470	114500	6230	182200	109100
Phenols average	800	UG/KG	14111	9091	ND	15455	9664

Additional analytes determined;

2-methylphenol	330	UG/KG	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	330	UG/KG	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	330	UG/KG	6470	14500	6230	12200	9850
2,4,5-trichlorophenol	800	UG/KG	ND	ND	ND	ND	ND

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

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

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLE	PLE
			11-FEB-2004 P244345	12-MAY-2004 P253888	11-AUG-2004 P264298	06-OCT-2004 P271540	11-FEB-2004 P244340	12-MAY-2004 P253883
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	4.0	3.0	2.6	ND	4.2
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	7.9	4.0	8.8	5.8	6.1	5.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	3.6	1.2	1.6	ND	2.6	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	3.2	ND	1.1	ND	2.8	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	*	ND	ND	ND	*
Bromoform	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1	UG/L	2.2	1.2	1.3	1.8	3.3	1.8
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	6.8	1.2	2.7	0.0	5.4	0.0
Purgeable Compounds	13.8	UG/L	16.9	10.4	15.8	10.2	14.8	11.9

Additional analytes determined;

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	235.0	188.0	639.0	417.0	591.0	1080.0
Carbon disulfide	1	UG/L	1.2	1.9	3.3	1.4	1.3	2.2
2-butanone	4	UG/L	ND	6.5	8.8	5.9	ND	9.2

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



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

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	PLE	PLE	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			11-AUG-2004 P264293	06-OCT-2004 P271535	11-FEB-2004 P244355	12-MAY-2004 P253898	11-AUG-2004 P264308	06-OCT-2004 P271550
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	3.1	4.4	ND	1.3	ND	2.4
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	6.8	5.6	3.7	3.1	3.3	2.7
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	*	ND	ND
Bromodichloromethane	1	UG/L	1.4	ND	ND	ND	1.2	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	1.2	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	*	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	<1.0	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	1.2
Toluene	1	UG/L	2.1	2.3	2.1	3.0	1.5	1.6
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	2.6	0.0	0.0	0.0	1.2	0.0
Purgeable Compounds	13.8	UG/L	14.6	12.3	5.8	7.4	6.0	7.9

Additional analytes determined;

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	626.0	381.0	31.8	89.6	ND	153.0
Carbon disulfide	1	UG/L	5.6	1.9	ND	6.1	1.2	2.2
2-butanone	4	UG/L	16.5	8.0	ND	13.5	7.8	12.0

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

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

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			10-FEB-2004 P244396	11-MAY-2004 P253939	10-AUG-2004 P264349	05-OCT-2004 P271591	10-FEB-2004 P244382	11-MAY-2004 P253925
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	ND	374.0	ND	436.0	ND	102.0
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	452.0	320.0
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	839.0
Toluene	48	UG/KG	336.0	ND	ND	ND	618.0	940.0
Ethylbenzene	90.5	UG/KG	191.0	284.0	ND	ND	166.0	114.0
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	275	UG/KG	527.0	658.0	0.0	436.0	1236.0	2315.0

Additional analytes determined;

Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	496.0	408.0	274.0	363.0	597.0	525.0
Styrene	19	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	422.0	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	277.0	ND	ND	ND	268.0	233.0
Acetone	185	UG/KG	4290.0	3670.0	ND	1970.0	65600.0	42200.0
Carbon disulfide	34	UG/KG	507.0	304.0	289.0	288.0	396.0	135.0
2-butanone		UG/KG	ND	1870.0	ND	941.0	1570.0	2150.0

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

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

From 01-JAN-2004to 31-DEC-2004

Analyte	MDL	Units	RAW COMP	RAW COMP
			10-AUG-2004 P264335	05-OCT-2004 P271577
Chloromethane	25.8	UG/KG	ND	ND
Bromomethane	29.2	UG/KG	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND
Chloroethane	61	UG/KG	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND
Methylene chloride	62.5	UG/KG	ND	403.0
1,1-dichloroethene	25.1	UG/KG	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND
Chloroform	25.6	UG/KG	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND
Benzene	26.5	UG/KG	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND
Bromoform	26.1	UG/KG	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND
Tetrachloroethene	21.5	UG/KG	72.0	60.5
Chlorobenzene	31.1	UG/KG	ND	ND
Toluene	48	UG/KG	459.0	441.0
Ethylbenzene	90.5	UG/KG	ND	206.0
Acrylonitrile	275	UG/KG	ND	ND
Acrolein	70.9	UG/KG	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0
Purgeable Compounds	275	UG/KG	531.0	1110.5

Additional analytes determined;

Allyl chloride	25	UG/KG	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND
meta,para xylenes	35	UG/KG	420.0	826.0
Styrene	19	UG/KG	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND
Methyl Iodide	19	UG/KG	ND	ND
Chloroprene	17	UG/KG	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND
2-nitropropane		UG/KG	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND
Benzyl chloride	38	UG/KG	ND	ND
ortho-xylene	23	UG/KG	164.0	356.0
Acetone	185	UG/KG	27500.0	16800.0
Carbon disulfide	34	UG/KG	156.0	200.0
2-butanone		UG/KG	185.0	2080.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2004 P245713	29-FEB-2004 P248488	31-MAR-2004 P251978	30-APR-2004 P255806	31-MAY-2004 P258923	30-JUN-2004 P262257
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	<29
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	102	81	89	74	74	102
Acetone	185	UG/KG	4420	6970	3160	3960	3390	4140
Methylene chloride	62.5	UG/KG	1050	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	2840	5300	1690	2690	1680	1930
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	<48	<48	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	<91	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	455	611	376	451	618	747
1,2-dichlorobenzene	28.7	UG/KG	<29	45	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	8412	<12351	4939	6724	5144	6172

Additional analytes determined;

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	769	792	823	841	844	813
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	61	74	66	55	70	88
ortho-xylene	23	UG/KG	32	40	38	23	39	45
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	ND	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JUL-2004 P266275	31-AUG-2004 P270291	30-SEP-2004 P273638	31-OCT-2004 P277884	30-NOV-2004 P281090	31-DEC-2004 P284307
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	118	107	216	99	93	80
Acetone	185	UG/KG	4000	7560	9600	11400	4900	4790
Methylene chloride	62.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	1880	3540	4710	5880	5080	5800
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	ND	<48	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	<22	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	48	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	<16	ND	<16	<16	ND
1,4-dichlorobenzene		UG/KG	541	419	560	569	406	408
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	61	103	ND	ND
Purgeable Compounds	275	UG/KG	5998	11207	14526	17427	10073	10670

Additional analytes determined:

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	908	856	1020	825	897	927
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	101	65	77	88	91	48
ortho-xylene	23	UG/KG	43	<23	38	47	55	<23
Isopropylbenzene	17	UG/KG	ND	<17	ND	<17	29	<17
Styrene	19	UG/KG	ND	ND	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	24	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	Average
Chloromethane	25.8	UG/KG	ND
Vinyl chloride	26.2	UG/KG	ND
Bromomethane	29.2	UG/KG	0
Chloroethane	61	UG/KG	ND
Trichlorofluoromethane	28	UG/KG	ND
1,1-dichloroethene	25.1	UG/KG	ND
Carbon disulfide	34	UG/KG	103
Acetone	185	UG/KG	5691
Methylene chloride	62.5	UG/KG	88
trans-1,2-dichloroethene	24.9	UG/KG	ND
1,1-dichloroethane	25.7	UG/KG	ND
2-butanone		UG/KG	3585
Chloroform	25.6	UG/KG	ND
1,1,1-trichloroethane	27.4	UG/KG	ND
Carbon tetrachloride	15.6	UG/KG	ND
Benzene	26.5	UG/KG	ND
1,2-dichloroethane	20.5	UG/KG	ND
Trichloroethene	25.3	UG/KG	ND
1,2-dichloropropane	25.5	UG/KG	ND
Bromodichloromethane	17	UG/KG	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND
Toluene	48	UG/KG	<0
trans-1,3-dichloropropene	17	UG/KG	ND
1,1,2-trichloroethane	35.1	UG/KG	ND
Tetrachloroethene	21.5	UG/KG	0
Dibromochloromethane	24.2	UG/KG	ND
Chlorobenzene	31.1	UG/KG	4
Ethylbenzene	90.5	UG/KG	0
Bromoform	26.1	UG/KG	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND
1,3-dichlorobenzene	16.1	UG/KG	0
1,4-dichlorobenzene		UG/KG	513
1,2-dichlorobenzene	28.7	UG/KG	17
Purgeable Compounds	275	UG/KG	9470

Additional Analytes determined:

Acrolein	70.9	UG/KG	ND
Methyl Iodide	19	UG/KG	ND
Allyl chloride	25	UG/KG	ND
Methyl tert-butyl ether	34	UG/KG	ND
Acrylonitrile	275	UG/KG	ND
Chloroprene	17	UG/KG	ND
Dibromofluoromethane		UG/KG	860
Methyl methacrylate	36	UG/KG	ND
2-nitropropane		UG/KG	ND
4-methyl-2-pentanone	24	UG/KG	ND
1,2-dibromoethane	17	UG/KG	ND
meta,para xylenes	35	UG/KG	74
ortho-xylene	23	UG/KG	33
Isopropylbenzene	17	UG/KG	2
Styrene	19	UG/KG	0
Benzyl chloride	38	UG/KG	ND
1,2,4-trichlorobenzene	17	UG/KG	2

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEMI ANNUAL SLUDGE - SEWAGE Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605  
From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			10-FEB-2004 P244337	11-MAY-2004 P253880	10-AUG-2004 P264290	05-OCT-2004 P271532	10-FEB-2004 P244342	11-MAY-2004 P253885
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	<2.3	ND	2.8	2.5	2.7	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	7.7	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	14.0	19.3	45.2
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	10.5	16.5	22.0	45.2

Additional analytes determined:

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND	3.1
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEMI ANNUAL SLUDGE - SEWAGE Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605  
From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN
			10-AUG-2004 P264295	05-OCT-2004 P271537	10-AUG-2004 P264305	05-OCT-2004 P271547
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	3.1	2.7	ND	2.9
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	14.5
Fluoranthene	6.9	UG/L	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	23.3	35.1	ND	23.1
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	26.4	37.8	0.0	40.5

Additional analytes determined;

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

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



POINT LOMA WASTEWATER TREATMENT PLANT  
From 01-JAN-2004 to 31-DEC-2004  
ANNUAL SLUDGE  
Base/Neutrals

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			29-FEB-2004 P248488	31-MAY-2004 P258923	31-AUG-2004 P270291	31-OCT-2004 P277884
bis(2-chloroethyl) ether	330	UG/KG	ND	ND	ND	ND
1,3-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
1,4-dichlorobenzene	330	UG/KG	765	1520	1380	1820
1,2-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	330	UG/KG	ND	ND	ND	ND
N-nitrosodi-n-propylamine	330	UG/KG	ND	ND	ND	ND
Nitrobenzene	330	UG/KG	ND	ND	ND	ND
Hexachloroethane	330	UG/KG	ND	ND	ND	ND
Isophorone	330	UG/KG	ND	ND	ND	ND
bis(2-chloroethoxy)methane	330	UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	330	UG/KG	ND	ND	ND	ND
Naphthalene	330	UG/KG	812	ND	774	1100
Hexachlorobutadiene	330	UG/KG	ND	ND	ND	ND
Hexachlorocyclopentadiene	330	UG/KG	ND	ND	ND	ND
2-chloronaphthalene		UG/KG	ND	ND	ND	ND
Acenaphthylene	330	UG/KG	ND	ND	ND	ND
Dimethyl phthalate	330	UG/KG	ND	ND	<330	ND
2,6-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
Acenaphthene	330	UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
Fluorene	330	UG/KG	837	ND	ND	377
4-chlorophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Diethyl phthalate	330	UG/KG	<330	ND	ND	408
N-nitrosodiphenylamine	330	UG/KG	ND	ND	ND	673
4-bromophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330	UG/KG	ND	ND	ND	ND
Phenanthrene	330	UG/KG	1530	ND	ND	1100
Anthracene	330	UG/KG	ND	ND	ND	ND
Di-n-butyl phthalate	330	UG/KG	896	ND	946	1030
N-nitrosodimethylamine	330	UG/KG	ND	ND	ND	ND
Fluoranthene	330	UG/KG	ND	ND	ND	ND
Pyrene	330	UG/KG	ND	ND	526	702
Butyl benzyl phthalate	330	UG/KG	4760	3430	5340	4880
Chrysene	330	UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330	UG/KG	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	330	UG/KG	82100	85100	147000	137000
Di-n-octyl phthalate	330	UG/KG	ND	ND	ND	13500
Benzo[K]fluoranthene	330	UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	330	UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	330	UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	330	UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	330	UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	330	UG/KG	ND	ND	ND	ND
1,2-diphenylhydrazine		UG/KG	ND	ND	ND	ND
PolyNuc. Aromatic Hydrocarbons	330	UG/KG	2367	0	526	2179
Dichlorobenzenes	330	UG/KG	765	1520	1380	1820
Base/Neutral Compounds	330	UG/KG	91700	90050	155966	162590

Additional analytes determined;

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			29-FEB-2004 P248488	31-MAY-2004 P258923	31-AUG-2004 P270291	31-OCT-2004 P277884
1-methylnaphthalene		UG/KG	1930	ND	1090	1450
2-methylnaphthalene		UG/KG	2720	1590	1700	2410
2,6-dimethylnaphthalene		UG/KG	2960	1540	1280	2140
2,3,5-trimethylnaphthalene		UG/KG	ND	ND	ND	ND
1-methylphenanthrene		UG/KG	ND	ND	ND	ND
Benzo[e]pyrene		UG/KG	ND	ND	ND	ND
Perylene	330	UG/KG	ND	ND	ND	ND
Biphenyl		UG/KG	ND	ND	ND	383
Pyridine		UG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P242693	P244337	P248859	P252082	P253880	P259479	P263151	P264290	P270442
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLE	PLE	PLE
				OCT	NOV	DEC
				P271532	P278226	P281963
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
			P242693	P244337	P248859	P252082	P253880	P259479	P263151	P264290	P270442
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLE	PLE	PLE
			TCDD	TCDD	TCDD
			OCT	NOV	DEC
			P271532	P278226	P281963
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P242696	P244342	P248862	P252085	P253885	P259482	P263154	P264295	P270445
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR
				OCT	NOV	DEC
				P271537	P278229	P281966
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
			P242696	P244342	P248862	P252085	P253885	P259482	P263154	P264295	P270445
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	PLR
			TCDD	TCDD	TCDD
			OCT	NOV	DEC
			P271537	P278229	P281966
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 QUARTERLY SLUDGE - Dioxins analysis  
 From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL Units	MBCDEWCN	
		31-MAY-2004	31-OCT-2004
		P258923	P277884
=====	=====	=====	=====
2,3,7,8-tetra CDD	.48 NG/KG	ND	ND
1,2,3,7,8-penta CDD	14 NG/KG	ND	ND
1,2,3,4,7,8-hexa_CDD	7.5 NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD	NG/KG	13	56
1,2,3,7,8,9-hexa CDD	6.2 NG/KG	ND	27
1,2,3,4,6,7,8-hepta CDD	NG/KG	220	380
octa CDD	NG/KG	1900	2000
2,3,7,8-tetra CDF	2.3 NG/KG	ND	5
1,2,3,7,8-penta CDF	1.4 NG/KG	ND	ND
2,3,4,7,8-penta CDF	1.5 NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	5.6 NG/KG	ND	ND
1,2,3,6,7,8-hexa CDF	2.7 NG/KG	ND	ND
1,2,3,7,8,9-hexa CDF	1.5 NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	4.1 NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDF	NG/KG	92	75
1,2,3,4,7,8,9-hepta CDF	3.2 NG/KG	ND	ND
octa CDF	NG/KG	300	285

**B. North City Water Reclamation Plant sources**  
(also reported in the NCWRP Annual Report)

North City Water Reclamation Plant  
2004 Quarterly Sludge Project  
Physical Parameters

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2	MG/L	33.2	NR	36.8	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	206.0	NR	230.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	480	NR	194	NR
Conductivity	10	UMHOS/CM	1900	NR	2020	NR
MBAS (Surfactants)	.03	MG/L	9.2	NR	10.4	NR
pH (grab)		PH	NR	7.4	NR	7.6
pH (composite)		PH	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	274	NR	276	NR
Total Dissolved Solids	42	MG/L	1110	NR	1130	NR
Total Suspended Solids	1.6	MG/L	212.0	NR	192.0	NR
Volatile Suspended Solids	1.6	MG/L	172.0	NR	174.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	96.6	NR	48.6	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	110.0	NR	130.0	NR

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2	MG/L	26.9	NR	33.4	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	193.0	NR	206.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	NR	NR	183	NR
Conductivity	10	UMHOS/CM	1880	NR	1990	NR
MBAS (Surfactants)	.03	MG/L	8.1	NR	8.1	NR
pH (grab)		PH	NR	7.4	NR	7.4
pH (composite)		PH	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	255	NR	282	NR
Total Dissolved Solids	42	MG/L	1110	NR	1140	NR
Total Suspended Solids	1.6	MG/L	232.0	NR	202.0	NR
Volatile Suspended Solids	1.6	MG/L	204.0	NR	182.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	51.5	NR	47.1	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	140.0	NR	110.0	NR

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

North City Water Reclamation Plant  
2004 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2	MG/L	31.3	NR	29.7	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	212.0	NR	230.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	570	NR	170	NR
Conductivity	10	UMHOS/CM	1680	NR	1610	NR
MBAS (Surfactants)	.03	MG/L	7.4	NR	9.9	NR
pH (grab)		PH	NR	7.3	NR	7.4
pH (composite)		PH	7.6	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	303	NR	285	NR
Total Dissolved Solids	42	MG/L	948	NR	884	NR
Total Suspended Solids	1.6	MG/L	238.0	NR	218.0	NR
Volatile Suspended Solids	1.6	MG/L	190.0	NR	190.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	85.6	NR	41.4	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	140.0	NR	140.0	NR

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2	MG/L	26.4	NR	33.2	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	201.0	NR	240.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	NR	NR	168	NR
Conductivity	10	UMHOS/CM	1570	NR	1650	NR
MBAS (Surfactants)	.03	MG/L	5.7	NR	6.3	NR
pH (grab)		PH	NR	7.2	NR	7.2
pH (composite)		PH	7.4	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	241	NR	266	NR
Total Dissolved Solids	42	MG/L	904	NR	860	NR
Total Suspended Solids	1.6	MG/L	260.0	NR	288.0	NR
Volatile Suspended Solids	1.6	MG/L	216.0	NR	232.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	41.3	NR	46.4	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	150.0	NR	130.0	NR

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



North City Water Reclamation Plant  
2004 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2	MG/L	31.8	NR	32.0	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	137.0	NR	129.0	NR
BOD (Soluble)	2	MG/L	NR	NR	87.6	NR
Chemical Oxygen Demand	22	MG/L	280	NR	222	NR
Conductivity	10	UMHOS/CM	1940	NR	1930	NR
MBAS (Surfactants)	.03	MG/L	7.0	NR	9.1	NR
pH (grab)		PH	NR	7.4	NR	7.5
pH (composite)		PH	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	281	NR	272	NR
Total Dissolved Solids	42	MG/L	1040	NR	1140	NR
Total Suspended Solids	1.6	MG/L	83.0	NR	74.0	NR
Volatile Suspended Solids	1.6	MG/L	66.0	NR	63.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	78.3	NR	39.9	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	66.0	NR	74.0	NR

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2	MG/L	26.8	NR	28.8	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	109.0	NR	124.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	NR	NR	132	NR
Conductivity	10	UMHOS/CM	1810	NR	1850	NR
MBAS (Surfactants)	.03	MG/L	6.9	NR	7.7	NR
pH (grab)		PH	NR	7.4	NR	7.4
pH (composite)		PH	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	253	NR	254	NR
Total Dissolved Solids	42	MG/L	988	NR	1100	NR
Total Suspended Solids	1.6	MG/L	89.0	NR	92.0	NR
Volatile Suspended Solids	1.6	MG/L	74.0	NR	68.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	39.3	NR	38.5	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	67.0	NR	75.0	NR

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

North City Water Reclamation Plant  
2004 Quarterly Sludge Project

Physical Parameters

Analytes	MDL Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
		10-FEB-2004	11-FEB-2004	12-FEB-2004	11-MAY-2004
Ammonia-N	.2 MG/L	ND	NR	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	2.9	NR	NR	ND
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	ND	NR	NR	ND
Conductivity	10 UMHOS/CM	1770	NR	NR	1780
MBAS (Surfactants)	.03 MG/L	0.1	NR	NR	0.1
pH (grab)	PH	NR	7.3	NR	NR
pH (composite)	PH	7.5	NR	NR	7.6
Total Alkalinity (bicarbonate)	1.5 MG/L	145	NR	NR	157
Total Dissolved Solids	42 MG/L	1090	NR	NR	1170
Total Suspended Solids	1.6 MG/L	ND	NR	NR	ND
Volatile Suspended Solids	1.6 MG/L	ND	NR	NR	ND
Total Kjeldahl Nitrogen	1.6 MG/L	2.8	NR	NR	ND
Total Organic Carbon	MG/L	NS*	NR	7.6	8.1
Turbidity	NTU	0.5	NR	NR	1.6

Analytes	MDL Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
		12-MAY-2004	10-AUG-2004	11-AUG-2004	05-OCT-2004
Ammonia-N	.2 MG/L	NR	ND	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	NR	ND	NR	ND
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	NR	NR	NR	24
Conductivity	10 UMHOS/CM	NR	1760	NR	1790
MBAS (Surfactants)	.03 MG/L	NR	0.1	NR	0.2
pH (grab)	PH	7.4	NR	7.0	NR
pH (composite)	PH	NR	7.5	NR	7.5
Total Alkalinity (bicarbonate)	1.5 MG/L	NR	123	NR	131
Total Dissolved Solids	42 MG/L	NR	1220	NR	1190
Total Suspended Solids	1.6 MG/L	NR	2.3	NR	ND
Volatile Suspended Solids	1.6 MG/L	NR	1.8	NR	ND
Total Kjeldahl Nitrogen	1.6 MG/L	NR	2.3	NR	ND
Total Organic Carbon	MG/L	NR	8.9	NR	7.7
Turbidity	NTU	NR	NR	NR	NR

Analytes	MDL Units	N30-DFE
		06-OCT-2004
Ammonia-N	.2 MG/L	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	NR
BOD (Soluble)	2 MG/L	NR
Chemical Oxygen Demand	22 MG/L	NR
Conductivity	10 UMHOS/CM	NR
MBAS (Surfactants)	.03 MG/L	NR
pH (grab)	PH	7.2
pH (composite)	PH	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	NR
Total Dissolved Solids	42 MG/L	NR
Total Suspended Solids	1.6 MG/L	NR
Volatile Suspended Solids	1.6 MG/L	NR
Total Kjeldahl Nitrogen	1.6 MG/L	NR
Total Organic Carbon	MG/L	NR
Turbidity	NTU	NR

\*=Pickle jar broke on 02/11/04. Not enough volume for metals, organics and TOC. Re-sampled on 02/12/04.

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

North City Water Reclamation Plant  
2004 Quarterly Sludge Project

Physical Parameters

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2 MG/L	ND	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	ND	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	ND	NR	ND	NR
Conductivity	10 UMHOS/CM	1440	NR	1400	NR
MBAS (Surfactants)	.03 MG/L	0.1	NR	0.2	NR
pH (grab)	PH	NR	7.2	NR	7.3
pH (composite)	PH	7.6	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	129	NR	118	NR
Total Dissolved Solids	42 MG/L	888	NR	932	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	ND	NR	ND	NR
Total Organic Carbon	MG/L	NR	NR	8.1	NR
Turbidity	NTU	0.8	NR	2.9	NR

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2 MG/L	0.3	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	ND	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	NR	NR	ND	NR
Conductivity	10 UMHOS/CM	1420	NR	1520	NR
MBAS (Surfactants)	.03 MG/L	0.2	NR	0.3	NR
pH (grab)	PH	NR	7.1	NR	7.2
pH (composite)	PH	7.6	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	104	NR	111	NR
Total Dissolved Solids	42 MG/L	1020	NR	1020	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	2.4	NR	ND	NR
Total Organic Carbon	MG/L	8.5	NR	7.7	NR
Turbidity	NTU	NR	NR	NR	NR

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

N30-DFE = Disinfected Final Effluent  
 N10-EFF = Primary Effluent  
 N01-PS\_INF = North City Pump Station Influent (PS #64)  
 N01-PEN = Penasquitos Pump Station Influent  
 N34-REC WATER = Reclaimed Water

North City Water Reclamation Plant  
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Source:			N30-DFE	N30-DFE	N30-DFE	N30-DFE	N30-DFE
Date:			10-FEB-2004	12-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Sample ID:	MDL	Units	P246852	P244372	P253915	P264325	P271567
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	NA	ND	58	ND	52
Antimony	23	UG/L	NA	ND	ND	ND	ND
Arsenic	.4	UG/L	NA	0.55	0.80	0.71	0.68
Barium	10	UG/L	NA	72	58	33	26
Beryllium	.39	UG/L	NA	ND	ND	ND	ND
Boron	15	UG/L	NA	361	438	389	372
Cadmium	1	UG/L	NA	ND	ND	0.4	0.3
Chromium	5	UG/L	NA	ND	ND	3	1
Cobalt	4	UG/L	NA	ND	ND	ND	ND
Copper	4	UG/L	NA	34	73	26	13
Iron	30	UG/L	NA	316	78	275	147
Lead	18	UG/L	NA	ND	ND	ND	ND
Manganese	4	UG/L	NA	35.10	137.00	661.00	183.00
Mercury	.09	UG/L	NA	ND	ND	ND	ND
Molybdenum	3	UG/L	NA	ND	5	13	11
Nickel	14	UG/L	NA	ND	ND	14	9
Selenium	.28	UG/L	NA	0.79	0.72	0.60	0.63
Silver	6.6	UG/L	NA	ND	ND	ND	ND
Thallium	40	UG/L	NA	ND	ND	ND	ND
Vanadium	7	UG/L	NA	ND	ND	1	1
Zinc	4	UG/L	NA	75	43	24	16
Bromide	.1	MG/L	NA	ND	ND	ND	ND
Chloride	7	MG/L	NA	285	292	299	295
Fluoride	.05	MG/L	NA	0.41	0.50	0.43	0.43
Nitrate	.04	MG/L	NA	NA	46.60	53.70	56.20
Ortho Phosphate	.2	MG/L	NA	NA	4.41	3.43	7.58
Sulfate	9	MG/L	NA	250	236	238	226
Calcium	.08	MG/L	NA	86	76	74	78
Lithium	.01	MG/L	NA	0.05	0.04	0.04	0.03
Magnesium	.02	MG/L	NA	38	36	35	34
Potassium	2	MG/L	NA	16	13	17	16
Sodium	.3	MG/L	NA	209	218	235	211
Calcium Hardness	.2	MG/L	NA	214	191	180	193
Magnesium Hardness	.08	MG/L	NA	156	149	144	138
Total Hardness	.22	MG/L	NA	370	339	325	332
Cyanides, Total	.002	MG/L	NA	0.012	ND	0.009	0.010
Sulfides-Total	.18	MG/L	NA	ND	ND	0.73	0.45
Total Kjeldahl Nitrogen	1.6	MG/L	2.8	NA	ND	2.3	ND

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

North City Water Reclamation Plant  
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Source:			N10-EFF	N10-EFF	N10-EFF	N10-EFF	N01-PS_INF
Date:			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004
Sample ID:	MDL	Units	P244367	P253910	P264320	P271562	P244357
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	579	620	501	709	1350
Antimony	23	UG/L	28	ND	2	ND	ND
Arsenic	.4	UG/L	0.82	0.82	0.49	1.68	0.79
Barium	10	UG/L	105	88	68	74	119
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	184	397	356	336	309
Cadmium	1	UG/L	ND	ND	0.4	0.3	1.2
Chromium	5	UG/L	ND	ND	5	2	8
Cobalt	4	UG/L	ND	ND	ND	ND	ND
Copper	4	UG/L	90	139	89	67	111
Iron	30	UG/L	369	441	2530	3120	871
Lead	18	UG/L	ND	ND	2	2	ND
Manganese	4	UG/L	199.00	208.00	195.00	223.00	231.00
Mercury	.09	UG/L	ND	ND	ND	ND	0.53
Molybdenum	3	UG/L	5	14	15	12	ND
Nickel	14	UG/L	ND	ND	11	9	ND
Selenium	.28	UG/L	1.38	1.22	0.90	2.06	1.64
Silver	6.6	UG/L	ND	ND	1.7	2.2	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	ND	2	2	ND
Zinc	4	UG/L	60	65	46	56	108
Bromide	.1	MG/L	0.35	0.58	0.57	0.80	0.40
Chloride	7	MG/L	279	275	258	267	301
Fluoride	.05	MG/L	0.42	0.46	0.41	0.40	0.40
Nitrate	.04	MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2	MG/L	8.59	7.47	5.09	8.06	9.21
Sulfate	9	MG/L	247	234	221	223	247
Calcium	.08	MG/L	91	95	77	81	92
Lithium	.01	MG/L	0.05	0.03	0.03	0.03	0.06
Magnesium	.02	MG/L	41	40	36	36	41
Potassium	2	MG/L	16	15	17	17	16
Sodium	.3	MG/L	208	203	213	196	224
Calcium Hardness	.2	MG/L	225	237	196	203	227
Magnesium Hardness	.08	MG/L	167	163	148	146	169
Total Hardness	.22	MG/L	392	400	344	349	397
Cyanides, Total	.002	MG/L	ND	ND	ND	ND	0.002
Sulfides-Total	.18	MG/L	0.84	0.54	0.87	0.81	1.65
Total Kjeldahl Nitrogen	1.6	MG/L	78.3	39.9	39.3	38.5	96.6

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

North City Water Reclamation Plant  
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Source:			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
Date:			11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
Sample ID:	MDL	Units	P253900	P264310	P271552	P244362	P253905
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	1120	1420	1520	2690	1620
Antimony	23	UG/L	23	5	ND	ND	ND
Arsenic	.4	UG/L	0.86	1.39	1.08	1.56	0.71
Barium	10	UG/L	99	115	137	139	184
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	387	376	321	359	392
Cadmium	1	UG/L	ND	1.1	0.5	ND	1.1
Chromium	5	UG/L	ND	7	4	7	ND
Cobalt	4	UG/L	8	ND	1	ND	ND
Copper	4	UG/L	159	317	146	147	118
Iron	30	UG/L	716	2450	1500	897	498
Lead	18	UG/L	ND	14	3	ND	ND
Manganese	4	UG/L	204.00	240.00	203.00	126.00	91.40
Mercury	.09	UG/L	0.29	0.20	0.26	0.25	0.13
Molybdenum	3	UG/L	13	20	16	5	9
Nickel	14	UG/L	ND	13	11	ND	ND
Selenium	.28	UG/L	1.28	1.33	1.11	1.98	0.99
Silver	6.6	UG/L	ND	2.5	4.9	ND	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	2	2	ND	ND
Zinc	4	UG/L	107	291	145	120	107
Bromide	.1	MG/L	0.70	0.67	0.92	0.23	0.37
Chloride	7	MG/L	302	280	292	200	187
Fluoride	.05	MG/L	0.33	0.39	0.32	0.40	0.32
Nitrate	.04	MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2	MG/L	9.68	7.23	16.80	8.43	10.20
Sulfate	9	MG/L	230	229	215	228	199
Calcium	.08	MG/L	85	83	88	89	69
Lithium	.01	MG/L	0.03	0.04	0.03	0.04	0.01
Magnesium	.02	MG/L	40	39	38	37	33
Potassium	2	MG/L	16	18	18	18	15
Sodium	.3	MG/L	204	228	208	175	153
Calcium Hardness	.2	MG/L	211	222	221	220	171
Magnesium Hardness	.08	MG/L	162	159	154	151	134
Total Hardness	.22	MG/L	374	381	375	370	305
Cyanides, Total	.002	MG/L	0.002	ND	ND	ND	0.002
Sulfides-Total	.18	MG/L	1.06	1.65	1.61	1.34	0.58
Total Kjeldahl Nitrogen	1.6	MG/L	48.6	51.5	47.1	85.6	41.4

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

North City Water Reclamation Plant  
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Source:		N01-PEN	N01-PEN	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:		10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004
Sample ID:	MDL Units	P264315	P271557	P244377	P253920	P264330
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	2070	2100	ND	ND	ND
Antimony	23 UG/L	2	ND	ND	33	2
Arsenic	.4 UG/L	0.77	1.57	ND	0.80	ND
Barium	10 UG/L	90	122	48	43	20
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	360	311	382	420	381
Cadmium	1 UG/L	0.5	0.4	ND	ND	0.4
Chromium	5 UG/L	8	8	6	ND	6
Cobalt	4 UG/L	<0	1	ND	ND	ND
Copper	4 UG/L	110	105	25	82	47
Iron	30 UG/L	12500	15600	117	75	175
Lead	18 UG/L	4	6	ND	ND	ND
Manganese	4 UG/L	203.00	224.00	21.10	72.10	114.00
Mercury	.09 UG/L	0.16	0.10	ND	ND	ND
Molybdenum	3 UG/L	11	12	ND	5	10
Nickel	14 UG/L	16	12	ND	ND	11
Selenium	.28 UG/L	1.03	0.87	0.65	0.59	0.52
Silver	6.6 UG/L	5.5	5.7	ND	ND	0.2
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	4	6	ND	ND	1
Zinc	4 UG/L	113	121	40	44	16
Bromide	.1 MG/L	0.41	7.10	ND	ND	ND
Chloride	7 MG/L	203	201	229	215	231
Fluoride	.05 MG/L	0.66	0.36	0.41	0.36	0.43
Nitrate	.04 MG/L	4.04	ND	38.80	34.90	42.40
Ortho Phosphate	.2 MG/L	0.96	2.53	6.31	5.66	3.12
Sulfate	9 MG/L	207	209	199	189	194
Calcium	.08 MG/L	71	77	66	57	55
Lithium	.01 MG/L	0.03	0.03	0.04	0.05	0.03
Magnesium	.02 MG/L	32	32	30	27	26
Potassium	2 MG/L	19	18	11	13	14
Sodium	.3 MG/L	170	163	190	177	198
Calcium Hardness	.2 MG/L	181	192	164	142	139
Magnesium Hardness	.08 MG/L	131	131	122	112	108
Total Hardness	.22 MG/L	312	323	285	254	247
Cyanides, Total	.002 MG/L	0.002	ND	0.009	0.004	0.011
Sulfides-Total	.18 MG/L	3.44	5.10	ND	ND	0.30
Total Kjeldahl Nitrogen	1.6 MG/L	41.3	46.4	ND	ND	2.4

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

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Source:	N34-REC WATER		
Date:	05-OCT-2004		
Sample ID:	MDL	Units	P271572
=====	====	=====	=====
Aluminum	50	UG/L	97
Antimony	23	UG/L	ND
Arsenic	.4	UG/L	0.79
Barium	10	UG/L	22
Beryllium	.39	UG/L	ND
Boron	15	UG/L	368
Cadmium	1	UG/L	0.2
Chromium	5	UG/L	1
Cobalt	4	UG/L	ND
Copper	4	UG/L	10
Iron	30	UG/L	124
Lead	18	UG/L	ND
Manganese	4	UG/L	152.00
Mercury	.09	UG/L	ND
Molybdenum	3	UG/L	9
Nickel	14	UG/L	8
Selenium	.28	UG/L	0.81
Silver	6.6	UG/L	ND
Thallium	40	UG/L	ND
Vanadium	7	UG/L	1
Zinc	4	UG/L	15
Bromide	.1	MG/L	ND
Chloride	7	MG/L	241
Fluoride	.05	MG/L	0.40
Nitrate	.04	MG/L	46.30
Ortho Phosphate	.2	MG/L	6.43
Sulfate	9	MG/L	190
Calcium	.08	MG/L	63
Lithium	.01	MG/L	0.03
Magnesium	.02	MG/L	27
Potassium	2	MG/L	13
Sodium	.3	MG/L	183
Calcium Hardness	.2	MG/L	157
Magnesium Hardness	.08	MG/L	110
Total Hardness	.22	MG/L	267
Cyanides, Total	.002	MG/L	0.008
Sulfides-Total	.18	MG/L	ND
Total Kjeldahl Nitrogen	1.6	MG/L	ND

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



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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N30-DFE	12-FEB-2004	P244372	1.0 ± 0.8	13.6 ± 3.9
N30-DFE	11-MAY-2004	P253915	1.2 ± 0.8	13.8 ± 3.8
N30-DFE	10-AUG-2004	P264325	0.9 ± 0.7	15.8 ± 3.5
N30-DFE	05-OCT-2004	P271567	0.9 ± 0.7	14.4 ± 3.6
N10-EFF	10-FEB-2004	P244367	4.7 ± 2.3	10.6 ± 3.9
N10-EFF	11-MAY-2004	P253910	2.7 ± 1.9	5.7 ± 3.5
N10-EFF	10-AUG-2004	P264320	2.3 ± 1.6	14.5 ± 3.4
N10-EFF	05-OCT-2004	P271562	3.4 ± 1.2	17.3 ± 4.1
N01-PS_INF	10-FEB-2004	P244357	1.9 ± 1.7	14.0 ± 4.0
N01-PS_INF	11-MAY-2004	P253900	2.7 ± 1.9	16.5 ± 4.7
N01-PS_INF	10-AUG-2004	P264310	3.2 ± 1.3	10.0 ± 4.3
N01-PS_INF	05-OCT-2004	P271552	3.5 ± 1.4	17.6 ± 4.2
N01-PEN	10-FEB-2004	P244362	3.3 ± 2.0	15.6 ± 4.3
N01-PEN	11-MAY-2004	P253905	5.7 ± 2.4	12.4 ± 4.2
N01-PEN	10-AUG-2004	P264315	2.0 ± 1.3	18.1 ± 3.8
N01-PEN	05-OCT-2004	P271557	5.9 ± 1.8	18.5 ± 4.0
N34-REC WATER	10-FEB-2004	P244377	0.2 ± 0.7	9.3 ± 2.5
N34-REC WATER	11-MAY-2004	P253920	1.4 ± 0.8	10.8 ± 3.0
N34-REC WATER	10-AUG-2004	P264330	0.4 ± 0.7	10.2 ± 2.8
N34-REC WATER	05-OCT-2004	P271572	0.7 ± 0.7	10.5 ± 2.9

Units in picocuries per Liter (pCi/L)

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Organo-Tins

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004
			P244357	P253900	P264310	P271552	P244362
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
			P253905	P264315	P271557	P244367	P253910
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			10-AUG-2004	05-OCT-2004	12-FEB-2004	11-MAY-2004	10-AUG-2004
			P264320	P271562	P244372	P253915	P264325
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
			P271567	P244377	P253920	P264330	P271572
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	10-FEB-2004 P244362
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	30	12	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	320	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	30	12	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	350	12	0

NA= Not Analyzed  
ND= Not Detected

North City Water Reclamation Plant  
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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			11-MAY-2004 P253905	10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	35	21	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	35	21	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	35	21	0	0

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			10-AUG-2004 P264320	05-OCT-2004 P271562	12-FEB-2004 P244372	11-MAY-2004 P253915	10-AUG-2004 P264325
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	13	ND	ND	17	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	49
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	49
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	13	0	0	17	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	13	0	0	17	49

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			05-OCT-2004 P271567	10-FEB-2004 P244377	11-MAY-2004 P253920	10-AUG-2004 P264330	05-OCT-2004 P271572
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0	0

NA= Not Analyzed  
ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	12-FEB-2004 P244372
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	16.3	36.0	13.9	ND	40.5
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	16.3	36.0	13.9	0.0	40.5

Additional Analytes Determined

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

NA= Not Analyzed

ND= Not Detected

NR= Not Required

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Base/Neutral Compounds

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			11-MAY-2004 P253915	10-AUG-2004 P264325	05-OCT-2004 P271567	10-FEB-2004 P244362	11-MAY-2004 P253905
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	16.4	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	0.0	16.4	0.0

Additional Analytes Determined

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

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



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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910	10-AUG-2004 P264320
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	16.1
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	11.3	11.6	ND	ND	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	11.3	11.6	0.0	0.0	16.1

Additional Analytes Determined

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

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

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Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF	N34-REC WAT	N34-REC WAT	N34-REC WAT	N34-REC WAT
			05-OCT-2004 P271562	10-FEB-2004 P244377	11-MAY-2004 P253920	10-AUG-2004 P264330	05-OCT-2004 P271572
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	11.0	ND	ND	50.4	10.8
Benzenidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[Al]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	11.0	0.0	0.0	50.4	10.8

Additional Analytes Determined

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

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

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N30-DFE	N01-PEN	N10-EFF	N34-REC WAT
		05-OCT-2004 P271552	05-OCT-2004 P271567	05-OCT-2004 P271557	05-OCT-2004 P271562	05-OCT-2004 P271572
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	0.080	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.000	0.000	0.080	0.000	0.000
Demeton -O, -S	.15 UG/L	0.000	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.3 UG/L	0.000	0.000	0.080	0.000	0.000

Additional analytes determined

Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND

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ND= Not Detected  
NR= Not Required

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
Date:	MDL Units	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	12-FEB-2004
		P244357	P253900	P264310	P271552	P244372
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
Date:	MDL Units	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
		P253915	P264325	P271567	P244362	P253905
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
Date:	MDL Units	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004
		P264315	P271557	P244367	P253910	P264320
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N10-EFF	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:	MDL Units	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
		P271562	P244377	P253920	P264330	P271572
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed  
ND= Not Detected

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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	12-FEB-2004 P244372
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	21.30	21.40	14.40	19.70	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	21.30	21.40	14.40	19.70	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	21.30	21.40	14.40	19.70	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	59.10	45.60	40.00	48.90	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			11-MAY-2004 P253915	10-AUG-2004 P264325	05-OCT-2004 P271567	10-FEB-2004 P244362	11-MAY-2004 P253905
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	ND	10.30	8.80
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	10.30	8.80
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	0.00	0.00	0.00	10.30	8.80
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND	ND	34.80	17.80
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

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

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Phenolic Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910	10-AUG-2004 P264320
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	4.80	4.30	11.70	17.10	7.70
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	4.80	4.30	11.70	17.10	7.70
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	4.80	4.30	11.70	17.10	7.70
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	8.40	10.70	42.30	25.50	11.60
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N34-REC WAT	N34-REC WAT	N34-REC WAT	N34-REC WAT
			05-OCT-2004 P271562	10-FEB-2004 P244377	11-MAY-2004 P253920	10-AUG-2004 P264330	05-OCT-2004 P271572
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	8.00	ND	ND	ND	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	8.00	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	8.00	0.00	0.00	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	18.40	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

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

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			11-FEB-2004 P244360	12-MAY-2004 P253903	11-AUG-2004 P264313	06-OCT-2004 P271555	12-MAY-2004 P253918
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	1.8	ND	2.2	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.3	4.2	5.1	3.0	73.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	67.7
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	38.1
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	*
Bromoform	1	UG/L	ND	ND	ND	ND	4.1
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.6	1.4	1.5	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	0.0	0.0	109.9
Purgeable Compounds	13.8	UG/L	4.9	7.4	6.6	5.2	183.8
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND

Additional Purgeable Compounds determined, not in permit.

Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	204.0	1040.0	2290.0	986.0	ND
Carbon disulfide	1	UG/L	3.5	1.3	2.1	3.6	ND
2-butanone	4	UG/L	4.8	7.4	7.1	6.6	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	1.9	2.8	1.3	ND

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

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N30-DFE	N30-DFE	N01-PEN	N01-PEN	N01-PEN
			11-AUG-2004 P264328	06-OCT-2004 P271570	11-FEB-2004 P244365	12-MAY-2004 P253908	11-AUG-2004 P264318
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	5.3	*	1.5	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	40.1	45.2	5.0	3.2	2.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	34.0	45.4	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	1.1	ND	ND	ND	1.3
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	27.2	31.0	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	3.9	3.7	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	1.5	ND	1.8	4.7	5.4
Chlorobenzene	1	UG/L	1.1	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	1.4	ND	1.2
Ethylbenzene	1	UG/L	1.0	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	65.1	80.1	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	109.9	130.6	8.2	9.4	10.8
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	228.0	74.3	280.0
Carbon disulfide	1	UG/L	ND	ND	4.4	1.7	2.9
2-butanone	4	UG/L	ND	ND	4.3	7.1	9.2
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	2.3	ND	ND	1.6	2.6

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



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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			06-OCT-2004 P271560	11-FEB-2004 P244370	11-AUG-2004 P264323	06-OCT-2004 P271565	11-FEB-2004 P244380
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.2	ND	ND	3.2	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	2.8	3.9	3.1	2.8	61.6
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	52.6
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	1.5	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	34.5
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	4.7
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	5.5	1.6	1.5	1.1	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	2.5	1.1	1.5	1.2	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	0.0	0.0	91.8
Purgeable Compounds	13.8	UG/L	13.5	6.6	6.1	8.3	153.4
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND

Additional Purgeable Compounds determined, not in permit.

Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	217.0	171.0	1430.0	678.0	ND
Carbon disulfide	1	UG/L	2.0	4.0	4.2	4.1	ND
2-butanone	4	UG/L	8.1	7.8	8.8	10.6	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	1.3	1.1	2.0	1.0	1.6

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			12-MAY-2004 P253923	11-AUG-2004 P264333	06-OCT-2004 P271575
Chloromethane	1	UG/L	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND
Methylene chloride	1	UG/L	1.1	ND	5.1
1,1-dichloroethene	1	UG/L	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND
Chloroform	1	UG/L	47.7	65.9	39.3
1,2-dichloroethane	1	UG/L	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND
Bromodichloromethane	1	UG/L	40.3	51.4	38.8
1,2-dichloropropane	1	UG/L	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND
Dibromochloromethane	1	UG/L	23.3	29.9	23.6
1,1,2-trichloroethane	1	UG/L	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND
Bromoform	1	UG/L	2.1	2.8	2.3
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	65.7	84.1	64.7
Purgeable Compounds	13.8	UG/L	114.5	150.0	109.1
Allyl chloride	1	UG/L	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND

Additional Purgeable Compounds determined, not in permit.

Styrene	4.7	UG/L	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND
Carbon disulfide	1	UG/L	ND	ND	ND
2-butanone	4	UG/L	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	ND	ND

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