

VI. Annual Pretreatment Program Sludge Analysis

2003 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 2003, composite sampling on February 12, May 14, August 13, and October 8, 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

2003 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL Units	PLR	PLR	PLR	PLR
		GRAB	GRAB	GRAB	GRAB
		12-FEB-2003	14-MAY-2003	13-AUG-2003	08-OCT-2003
Grease/oil (grab sample)	1.4 mg/L	43.6	38.9	36.9	43.8
pH (grab sample)	pH Units	7.22	7.36	7.14	7.17

Analyte	MDL Units	PLR	PLR	PLR	PLR
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Conductivity	10 umhos/cm	2630	2620	2980	2860
Total Suspended Solids	1.6 mg/L	295	289	287	302
Volatile Suspended Solids	1.6 mg/L	239	243	231	249
Total Alkalinity (bicarbonate)	1.5 mg/L	277	301	283	279
Total Solids	100 mg/L	1980	1860	2160	1990
Total Kjeldahl Nitrogen	1.6 mg/L	73	47	83	41
BOD (Biochemical Oxygen Demand)	2 mg/L	279	283	254	281
Chemical Oxygen Demand	22 mg/L	550	500	457	635
Ammonia-N	.2 mg/L	26.6	29.7	27.4	26.9
Total Volatile Solids	100 mg/L	571	515	613	488
Turbidity	NTU	150.0	140.0	130.0	140.0
Total Dissolved Solids	42 mg/L	1630	1590	1550	1650
MBAS (Surfactants)	.03 mg/L	8	7	11	10

Analyte	MDL Units	PLE	PLE	PLE	PLE
		GRAB	GRAB	GRAB	GRAB
		12-FEB-2003	14-MAY-2003	13-AUG-2003	08-OCT-2003
Grease/oil (grab sample)	1.4 mg/L	9.5	22.3	11.8	12.7
pH (grab sample)	pH Units	7.22	7.34	7.11	7.03

Analyte	MDL Units	PLE	PLE	PLE	PLE
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Conductivity	10 umhos/cm	2570	2570	3010	2880
Total Suspended Solids	1.6 mg/L	43	45	44	44
Volatile Suspended Solids	1.6 mg/L	32	32	30	31
Total Alkalinity (bicarbonate)	1.5 mg/L	240	278	257	254
Total Solids	100 mg/L	1750	1640	1970	1710
Total Kjeldahl Nitrogen	1.6 mg/L	68	36	33	28
BOD (Biochemical Oxygen Demand)	2 mg/L	101	114	111	105
Chemical Oxygen Demand	22 mg/L	248	232	235	265
Ammonia-N	.2 mg/L	25.5	30.2	28.0	28.3
Total Volatile Solids	100 mg/L	349	346	440	262
Turbidity	NTU	41.0	44.0	54.0	50.0
Total Dissolved Solids	42 mg/L	1610	1550	1540	1650
MBAS (Surfactants)	.03 mg/L	7	8	7	7

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

POINT LOMA WASTEWATER TREATMENT PLANT

2003 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		11-FEB-2003	14-MAY-2003	12-AUG-2003	07-OCT-2003
Total Alkalinity (bicarbonate)	1.5 mg/L	910	936	1230	969
Total Solids	Wt%	4.16	3.82	4.29	4.24
Total Volatile Solids	Wt%	76	76	74	76
Total Kjeldahl Nitrogen	.04 Wt%	6.1	3.4	3.6	3.8
pH	pH Units	6.44	6.41	6.50	6.05

Analyte	MDL Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		11-FEB-2003	14-MAY-2003	12-AUG-2003	07-OCT-2003
Total Alkalinity (bicarbonate)	1.5 mg/L	3100	3040	2910	2930
Total Solids	Wt%	2.00	1.97	2.19	2.26
Total Volatile Solids	Wt%	54	54	55	54
Total Kjeldahl Nitrogen	.04 Wt%	7.5	6.7	8.7	7.1
pH	pH Units	7.34	7.33	7.39	7.39

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

POINT LOMA WASTEWATER TREATMENT PLANT

2003 Quarterly Sludge Project

Physical/Aggregate Properties Report

MBC

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			GRAB	GRAB	GRAB	GRAB
			12-FEB-2003	14-MAY-2003	13-AUG-2003	08-OCT-2003
Grease/oil (grab sample)	1.4	mg/L	ND	4.0	ND	ND
pH (grab sample)		pH Units	7.79	7.97	7.70	7.60

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Conductivity	10	umhos/cm	3960	4810	4770	4740
Total Suspended Solids	1.6	mg/L	440	785	535	585
Volatile Suspended Solids	1.6	mg/L	345	610	410	465
Total Alkalinity (bicarbonate)	1.5	mg/L	1400	1510	1340	1320
Total Solids		Wt%	0.26	0.25	0.24	0.26
Total Volatile Solids		Wt%	39	38	37	40
Total Kjeldahl Nitrogen	1.6	mg/L	349	376	367	311
BOD (Biochemical Oxygen Demand)	2	mg/L	161	259	237	261
Chemical Oxygen Demand	22	mg/L	599	919	984	772
pH		pH Units	7.95	7.86	7.95	7.87
Ammonia-N	.2	mg/L	297.0	290.0	295.0	280.0

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Total Alkalinity (bicarbonate)	1.5	mg/L	2320	2320	2280	2280
Total Solids		Wt%	2.21	2.17	2.37	2.30
Total Volatile Solids		Wt%	69	66	66	66
Total Kjeldahl Nitrogen	1.6	mg/L	NA	1740	1930	1800
Total Kjeldahl Nitrogen	.04	Wt%	9.7	NA	NA	NA
pH		pH Units	7.17	7.18	7.19	7.08

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Total Suspended Solids	1.6	mg/L	4760	3200	1760	6760
Volatile Suspended Solids	1.6	mg/L	4040	2640	1600	5680
Total Alkalinity (bicarbonate)	1.5	mg/L	361	215	368	347
Total Solids		Wt%	0.49	0.41	0.27	0.56
Total Volatile Solids		Wt%	69	67	57	71
Total Kjeldahl Nitrogen	1.6	mg/L	NA	539	224	299
Total Kjeldahl Nitrogen	.04	Wt%	0.7	NA	NA	NA
pH		pH Units	7.79	6.60	7.17	6.86

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			28-FEB-2003	31-MAY-2003	31-AUG-2003	31-OCT-2003
Total Solids		Wt%	27.30	28.40	27.10	28.60
Total Volatile Solids		Wt%	54	53	55	55
Total Kjeldahl Nitrogen	.04	Wt%	4.2	4.2	4.5	4.2
pH		pH Units	7.89	7.94	7.73	7.52

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

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

From: 01-JAN-2003 to: 31-DEC-2003

Source:		PLE	PLE	PLE	PLE	PLR	PLR
Date:		11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
Sample ID:	MDL Units	P202054	P211483	P223385	P230221	P202059	P211488
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	171	128	119	106	1910	1820
Antimony	23 UG/L	ND	ND	ND	ND	ND	<23
Arsenic	.4 UG/L	1.30	1.37	1.86	0.98	2.12	1.99
Barium	10 UG/L	36	28	36	41	115	125
Beryllium	.39 UG/L	ND	ND	ND	ND	ND	ND
Boron	15 UG/L	379	370	349	469	434	475
Cadmium	1 UG/L	ND	ND	ND	ND	ND	1.6
Chromium	5 UG/L	ND	ND	<5.0	ND	6.1	<5.0
Cobalt	4 UG/L	ND	7.0	<4.0	ND	ND	<4.0
Copper	4 UG/L	81	43	64	182	106	132
Iron	30 UG/L	4350	4390	5050	5540	7470	8650
Lead	18 UG/L	ND	ND	ND	ND	ND	ND
Manganese	4 UG/L	155	154	136	133	132	181
Mercury	.09 UG/L	ND	0.20	ND	ND	0.32	0.64
Molybdenum	3 UG/L	9.9	10.3	10.1	7.2	5.7	14.1
Nickel	14 UG/L	ND	ND	ND	ND	ND	ND
Selenium	.28 UG/L	1.37	0.75	0.95	1.02	2.22	1.27
Silver	6.6 UG/L	ND	ND	ND	ND	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND	ND	ND
Zinc	4 UG/L	15	21	19	20	132	154
Bromide	.1 MG/L	1.07	1.18	1.54	0.92	0.44	1.19
Chloride	7 MG/L	583	497	630	608	566	497
Fluoride	.05 MG/L	1.03	1.04	0.91	0.76	1.02	1.16
Nitrate	.04 MG/L	0.86	ND	ND	ND	ND	ND
Ortho Phosphate	.2 MG/L	ND	1.24	2.00	ND	5.14	5.36
Sulfate	9 MG/L	275	220	249	268	275	224
Calcium	.08 MG/L	84	82	85	89	92	90
Lithium	.01 MG/L	0.02	0.06	0.07	0.05	0.07	0.06
Magnesium	.02 MG/L	48	51	56	57	50	52
Potassium	2 MG/L	26	29	35	28	27	31
Sodium	.3 MG/L	319	331	381	389	319	341
Calcium Hardness	.2 MG/L	210	204	213	221	229	226
Magnesium Hardness	.08 MG/L	199	209	231	233	205	213
Total Hardness	.22 MG/L	409	413	443	453	433	439
Cyanides, Total	.002 MG/L	ND	0.002	0.004	0.004	0.002	ND
Sulfides-Total	.18 MG/L	ND	0.66	1.16	0.65	ND	3.58
Sulfides-Reactive	11 MG/KG	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	1.6 MG/L	67.9	36.3	33.0	27.6	72.6	47.2

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 - ANNUAL SUMMARY
 (Metals from Digestion and Ions from Supernatant)

From: 01-JAN-2003 to: 31-DEC-2003

Source:		PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Sample ID:	MDL Units	P223390	P230226	P202069	P211498	P223400	P230236
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1600	1480	2400	3640	2710	2190
Antimony	23 UG/L	44	ND	ND	53	40	25
Arsenic	.4 UG/L	1.66	1.55	3.63	5.00	2.68	3.47
Barium	10 UG/L	110	125	146	189	142	132
Beryllium	.39 UG/L	ND	ND	ND	ND	ND	ND
Boron	15 UG/L	518	494	461	475	434	501
Cadmium	1 UG/L	ND	2.0	ND	ND	1.8	ND
Chromium	5 UG/L	10.5	5.2	ND	15.8	ND	7.0
Cobalt	4 UG/L	<4.0	ND	ND	5.3	ND	6.5
Copper	4 UG/L	218	94	162	250	273	122
Iron	30 UG/L	8240	6680	23700	42300	25600	28700
Lead	18 UG/L	ND	ND	<18	<18	ND	ND
Manganese	4 UG/L	148	147	853	796	886	1200
Mercury	.09 UG/L	0.25	0.16	0.33	0.64	0.42	0.26
Molybdenum	3 UG/L	12.4	11.2	4.0	9.2	ND	9.4
Nickel	14 UG/L	ND	ND	31	30	16	ND
Selenium	.28 UG/L	1.29	1.89	3.01	3.14	2.69	2.52
Silver	6.6 UG/L	ND	ND	ND	ND	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	7 UG/L	9.7	ND	ND	9.6	11.1	7.1
Zinc	4 UG/L	145	139	161	267	193	131
Bromide	.1 MG/L	1.52	1.05	1.24	0.77	0.98	1.04
Chloride	7 MG/L	645	681	576	527	596	633
Fluoride	.05 MG/L	0.91	0.61	0.37	0.39	0.40	0.34
Nitrate	.04 MG/L	ND	ND	1.39	3.77	ND	0.58
Ortho Phosphate	.2 MG/L	6.91	6.28	2.93	1.34	11.10	ND
Sulfate	9 MG/L	249	270	110	97	107	143
Calcium	.08 MG/L	84	103	173	162	138	167
Lithium	.01 MG/L	0.05	0.03	0.05	0.60	0.07	0.04
Magnesium	.02 MG/L	53	68	62	58	60	59
Potassium	2 MG/L	26	29	48	50	48	42
Sodium	.3 MG/L	352	461	304	280	295	281
Calcium Hardness	.2 MG/L	209	256	433	404	343	417
Magnesium Hardness	.08 MG/L	217	280	255	239	248	241
Total Hardness	.22 MG/L	425	536	688	642	590	658
Cyanides, Total	.002 MG/L	ND	0.003	0.002	0.004	0.004	0.006
Sulfides-Total	.18 MG/L	7.73	2.46	ND	2.16	7.94	ND
Sulfides-Reactive	11 MG/KG	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	1.6 MG/L	83.2	40.6	349.0	376.0	367.0	311.0

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 - ANNUAL SUMMARY
 (Metals from Digestion and Ions from Supernatant)

From: 01-JAN-2003 to: 31-DEC-2003

Source:		MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
Date:		11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
Sample ID:	MDL Units	P202129	P211558	P223460	P230296	P202127	P211556
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	310000	336000	355000	305000	40700	15400
Antimony	23 UG/L	260	339	335	270	<230	<230
Arsenic	.4 UG/L	121.00	139.00	142.00	151.00	13.00	11.20
Barium	10 UG/L	9840	10700	10800	9050	1310	765
Beryllium	.39 UG/L	<3.90	<3.90	<2.60	E2.03	<3.90	<3.90
Boron	15 UG/L	1290	1550	1850	1330	680	476
Cadmium	1 UG/L	17.0	15.5	14.2	35.9	<10.0	<10.0
Chromium	5 UG/L	672.0	991.0	1020.0	640.0	<50.0	<50.0
Cobalt	4 UG/L	<40.0	78.4	95.0	76.0	<40.0	<40.0
Copper	4 UG/L	17200	14900	17800	14700	1950	887
Iron	30 UG/L	1020000	1270000	1410000	1100000	736000	73100
Lead	18 UG/L	400	471	580	390	<180	<98
Manganese	4 UG/L	16500	17100	17200	17000	3410	1780
Mercury	.09 UG/L	22.90	58.40	23.70	38.40	3.54	<0.41
Molybdenum	3 UG/L	381.0	322.0	618.0	580.0	<30.0	<30.0
Nickel	14 UG/L	795	987	1290	1100	<140	<140
Selenium	.28 UG/L	150.00	154.00	123.00	144.00	15.90	8.24
Silver	6.6 UG/L	803.0	443.0	716.0	667.0	<54.5	<66.0
Thallium	40 UG/L	<400	<400	<266	ND	<400	<400
Vanadium	7 UG/L	184.0	269.0	841.0	672.0	<70.0	<70.0
Zinc	4 UG/L	10900	12700	14000	11700	1210	641
Bromide	.1 MG/L	2.01	ND	ND	ND	ND	0.71
Chloride	7 MG/L	1230	1030	1100	1120	394	371
Fluoride	.05 MG/L	0.61	0.40	0.39	0.37	0.47	0.41
Nitrate	.04 MG/L	ND	0.26	ND	ND	ND	ND
Ortho Phosphate	.2 MG/L	3.10	ND	ND	ND	24.40	1.23
Sulfate	9 MG/L	31	41	29	26	167	146
Calcium	.08 MG/L	114	33	52	52	112	90
Lithium	.01 MG/L	0.04	0.06	0.05	0.04	0.05	0.03
Magnesium	.02 MG/L	46	61	55	61	44	44
Potassium	2 MG/L	51	63	63	57	27	21
Sodium	.3 MG/L	163	226	232	204	203	197
Calcium Hardness	.2 MG/L	NA	NA	NA	NA	NA	NA
Magnesium Hardness	.08 MG/L	NA	NA	NA	NA	NA	NA
Total Hardness	.22 MG/L	NA	NA	NA	NA	NA	NA
Cyanides, Total	.002 MG/L	0.014	0.011	0.015	0.030	ND	0.003
Sulfides-Total	.18 MG/L	243.00	235.00	318.00	323.00	56.60	46.40
Sulfides-Reactive	11 MG/KG	181	166	12	98	26	20
Total Kjeldahl Nitrogen	1.6 MG/L	NA	1740.0	1930.0	1800.0	NA	539.0

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 - ANNUAL SUMMARY
 (Metals from Digestion and Ions from Supernatant)

From: 01-JAN-2003 to: 31-DEC-2003

Source:		MBC_NC_RSL	MBC_NC_RSL
Date:		12-AUG-2003	07-OCT-2003
Sample ID:	MDL Units	P223458	P230294
=====	=====	=====	=====
Aluminum	50 UG/L	32700	27000
Antimony	23 UG/L	<153	ND
Arsenic	.4 UG/L	8.82	19.80
Barium	10 UG/L	935	834
Beryllium	.39 UG/L	<2.60	ND
Boron	15 UG/L	595	530
Cadmium	1 UG/L	<6.7	ND
Chromium	5 UG/L	<19.5	60.0
Cobalt	4 UG/L	<26.6	28.0
Copper	4 UG/L	1830	1350
Iron	30 UG/L	58500	59400
Lead	18 UG/L	<70	E85
Manganese	4 UG/L	2860	2970
Mercury	.09 UG/L	4.98	<2.25
Molybdenum	3 UG/L	<20.0	59.0
Nickel	14 UG/L	<93	E46
Selenium	.28 UG/L	9.85	8.29
Silver	6.6 UG/L	<44.0	E13.5
Thallium	40 UG/L	<266	ND
Vanadium	7 UG/L	<46.6	E34.9
Zinc	4 UG/L	1150	936
Bromide	.1 MG/L	ND	ND
Chloride	7 MG/L	315	215
Fluoride	.05 MG/L	0.39	0.20
Nitrate	.04 MG/L	ND	ND
Ortho Phosphate	.2 MG/L	41.30	12.10
Sulfate	9 MG/L	79	57
Calcium	.08 MG/L	76	104
Lithium	.01 MG/L	0.03	ND
Magnesium	.02 MG/L	36	39
Potassium	2 MG/L	25	12
Sodium	.3 MG/L	164	184
Calcium Hardness	.2 MG/L	NA	NA
Magnesium Hardness	.08 MG/L	NA	NA
Total Hardness	.22 MG/L	NA	NA
Cyanides, Total	.002 MG/L	0.002	0.006
Sulfides-Total	.18 MG/L	62.50	38.20
Sulfides-Reactive	11 MG/KG	15	35
Total Kjeldahl Nitrogen	1.6 MG/L	224.0	299.0

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 - ANNUAL SUMMARY
 (Metals from Digestion and Ions from Supernatant)

From: 01-JAN-2003 to: 31-DEC-2003

Source:			RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:			11-FEB-2003	14-MAY-2003	12-AUG-2003	07-OCT-2003
Sample ID:	MDL Units		P202099	P211528	P223430	P230266
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		5950	6800	6550	5520
Antimony	50 MG/KG		ND	ND	ND	ND
Arsenic	.68 MG/KG		1.79	0.93	1.18	1.39
Barium	.5 MG/KG		295	280	308	297
Beryllium	.2 MG/KG		ND	ND	ND	ND
Boron	1.5 MG/KG		23	108	20	NA
Cadmium	5 MG/KG		ND	ND	ND	ND
Chromium	7 MG/KG		27	33	31	26
Cobalt	2.8 MG/KG		ND	ND	ND	ND
Copper	4 MG/KG		277	293	367	284
Iron	6 MG/KG		41100	43000	46400	43100
Lead	29 MG/KG		ND	ND	ND	ND
Manganese	.4 MG/KG		122	146	127	92
Mercury	.4 MG/KG		0.86	0.85	0.88	1.14
Molybdenum	2.8 MG/KG		8.4	4.9	14.6	13.0
Nickel	4 MG/KG		16	18	32	ND
Selenium	.47 MG/KG		1.74	1.90	1.70	2.02
Silver	3 MG/KG		10	7	16	8
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		9	15	32	41
Zinc	50 MG/KG		423	448	521	413
Bromide	3 MG/KG		16.8	28.4	34.7	38.2
Chloride	180 MG/KG		16500	12500	17500	16100
Fluoride	1.25 MG/KG		11.5	12.5	ND	ND
Nitrate	1 MG/KG		ND	11.50	ND	ND
Ortho Phosphate	4 MG/KG		ND	61.3	143.0	ND
Sulfate	220 MG/KG		964	1040	632	672
Cyanides, Total	.1 MG/KG		1.81	1.60	2.05	1.96
Cyanide, Releaseable	.0022 MG/KG		<0.00	ND	ND	0.01
Sulfides-Total	2170 MG/KG		15500	8460	5540	9440
Sulfides-Reactive	11 MG/KG		229	228	177	130
Total Kjeldahl Nitrogen	.04 WT%		6.05	3.37	3.63	3.84

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

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

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

From: 01-JAN-2003 to: 31-DEC-2003

Source:			DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:			11-FEB-2003	14-MAY-2003	12-AUG-2003	07-OCT-2003
Sample ID:	MDL Units		P202113	P211542	P223444	P230280
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		11400	12000	11200	10000
Antimony	50 MG/KG		ND	ND	ND	ND
Arsenic	.68 MG/KG		3.67	2.97	2.10	2.75
Barium	.5 MG/KG		583	515	518	112
Beryllium	.2 MG/KG		ND	ND	ND	ND
Boron	1.5 MG/KG		39	38	31	25
Cadmium	5 MG/KG		ND	ND	ND	ND
Chromium	7 MG/KG		61	48	59	50
Cobalt	2.8 MG/KG		ND	ND	5.1	ND
Copper	4 MG/KG		555	503	542	497
Iron	6 MG/KG		68300	69900	76300	78500
Lead	29 MG/KG		ND	<29	ND	ND
Manganese	.4 MG/KG		201	240	209	184
Mercury	.4 MG/KG		1.58	1.67	1.77	1.10
Molybdenum	2.8 MG/KG		14.1	9.6	25.2	23.5
Nickel	4 MG/KG		26	29	47	32
Selenium	.47 MG/KG		4.55	4.11	3.27	5.04
Silver	3 MG/KG		24	15	20	12
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		20	29	56	69
Zinc	50 MG/KG		773	761	829	772
Bromide	3 MG/KG		55.3	58.2	54.8	33.9
Chloride	180 MG/KG		34700	23800	29300	34800
Fluoride	1.25 MG/KG		33.8	22.5	19.9	ND
Nitrate	1 MG/KG		ND	13.70	ND	ND
Ortho Phosphate	4 MG/KG		275.0	363.0	1350.0	219.0
Sulfate	220 MG/KG		1600	2190	1270	1050
Cyanides, Total	.1 MG/KG		3.17	3.56	3.02	6.88
Cyanide, Releaseable	.0022 MG/KG		<0.00	ND	ND	0.01
Sulfides-Total	2170 MG/KG		13600	10300	4000	11300
Sulfides-Reactive	11 MG/KG		203	255	19	124
Total Kjeldahl Nitrogen	.04 WT%		7.46	6.73	8.72	7.10

ND= Not Detected
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 NR= Not Required

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

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

From: 01-JAN-2003 to: 31-DEC-2003

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			28-FEB-2003	31-MAY-2003	31-AUG-2003	31-OCT-2003
Sample ID:	MDL Units		P205996	P216228	P228261	P235277
=====	=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG		13500	13200	12400	11200
Antimony	50 MG/KG		ND	ND	ND	ND
Arsenic	.68 MG/KG		5.39	5.06	2.54	3.08
Barium	.5 MG/KG		480	500	437	454
Beryllium	.2 MG/KG		ND	ND	ND	ND
Boron	1.5 MG/KG		17	16	20	32
Cadmium	5 MG/KG		ND	ND	ND	ND
Chromium	7 MG/KG		66	54	62	55
Cobalt	2.8 MG/KG		ND	<2.8	ND	ND
Copper	4 MG/KG		654	594	647	532
Iron	6 MG/KG		78600	78400	84400	89000
Lead	29 MG/KG		ND	37	ND	ND
Manganese	.4 MG/KG		330	327	298	253
Mercury	.4 MG/KG		1.61	1.19	1.18	1.26
Molybdenum	2.8 MG/KG		18.7	14.9	31.4	23.7
Nickel	4 MG/KG		28	34	52	35
Selenium	.47 MG/KG		4.81	4.80	4.22	4.33
Silver	3 MG/KG		28	18	24	18
Thallium	23 MG/KG		ND	ND	ND	ND
Vanadium	1.5 MG/KG		24	29	60	69
Zinc	50 MG/KG		780	765	868	789
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		0.94	0.56	1.14	0.27
Cyanide, Releaseable	.0022 MG/KG		ND	ND	ND	<0.00
Sulfides-Total	2170 MG/KG		13700	21000	17700	20300
Sulfides-Reactive	11 MG/KG		125	12	37	62
Total Kjeldahl Nitrogen	.04 WT%		4.15	4.17	4.49	4.18

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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 - ANNUAL SUMMARY
 Radioactivity

From: 01-JAN-2003 to: 31-DEC-2003

Sampled by: NDL,A4A
 Analyzed by: Truesdail Labs Inc.

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	11-FEB-2003	P202054	3.5±1.4	20.8±4.4
PLE	13-MAY-2003	P211483	1.0±0.9	20.0±4.4
PLE	12-AUG-2003	P223385	1.7±1.1	20.0±4.4
PLE	07-OCT-2003	P230221	0.2±1.1	23.4±4.8
PLE	ANNUAL	AVERAGE	1.6±1.1	21.1±4.5
PLR	11-FEB-2003	P202059	5.3±2.0	20.9±4.3
PLR	13-MAY-2003	P211488	3.0±1.3	18.1±4.3
PLR	12-AUG-2003	P223390	5.1±1.6	23.1±5.1
PLR	07-OCT-2003	P230226	2.3±1.4	20.2±4.6
PLR	ANNUAL	AVERAGE	3.9±1.6	20.6±4.6
MBC_COMBCN	11-FEB-2003	P202069	2.7±1.5	1.0±3.6
MBC_COMBCN	13-MAY-2003	P211498	1.9±1.9	27.2±6.2
MBC_COMBCN	12-AUG-2003	P223400	3.1±1.4	23.1±7.6
MBC_COMBCN	07-OCT-2003	P230236	0.4±1.6	29.4±5.9
MBC_COMBCN	ANNUAL	AVERAGE	2.0±1.6	20.2±5.8

Units in picocuries per Liter (pCi/L)

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - ANNUAL SUMMARY
 Radioactivity

From: 01-JAN-2003 To: 31-DEC-2003

Sampled by: NDL,A4A
 Analyzed by: Truesdail Labs Inc.
 Analyzed by: Truesdail Labs Inc.

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	28-FEB-2003	P205996	3540±1720	2920±1420
MBCDEWCN	31-MAY-2003	P216228	1370±1635	2480±1310
MBCDEWCN	31-AUG-2003	P228261	4650±2850	1320±1000
MBCDEWCN	31-OCT-2003	P235277	8620±3360	2370±1485
MBCDEWCN	ANNUAL	AVERAGE	4545±2391	2273±1304

Units in picocuries per Kilogram (pCi/Kg)

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)
 From 01-JAN-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLE	PLE	PLE	PLE
			11-FEB-2003 P202054	13-MAY-2003 P211483	12-AUG-2003 P223385	07-OCT-2003 P230221
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	23.0	ND	26.0	<10.0
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	<20.0
Alpha Endosulfan	30	NG/L	ND	ND	ND	<30.0
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	23.0	0.0	26.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	23.0	0.0	26.0	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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLR	PLR	PLR	PLR
			11-FEB-2003 P202059	13-MAY-2003 P211488	12-AUG-2003 P223390	07-OCT-2003 P230226
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	20.0	26.0	34.0	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	24.0	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	24.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	20.0	26.0	34.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	20.0	50.0	34.0	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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			11-FEB-2003 P202069	13-MAY-2003 P211498	12-AUG-2003 P223400	07-OCT-2003 P230236
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	1500.0
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	1500.0
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	1500.0

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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			11-FEB-2003 P202129	13-MAY-2003 P211558	12-AUG-2003 P223460	07-OCT-2003 P230296
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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			11-FEB-2003 P202127	13-MAY-2003 P211556	12-AUG-2003 P223458	07-OCT-2003 P230294
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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
			11-FEB-2003 P202099	14-MAY-2003 P211528	12-AUG-2003 P223430	07-OCT-2003 P230266
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	1000.0	710.0	820.0	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	1000.0	710.0	820.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	1000.0	710.0	820.0	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-2003 To 31-DEC-2003

Sampling: AM Analysis: SV

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			11-FEB-2003 P202113	14-MAY-2003 P211542	12-AUG-2003 P223444	07-OCT-2003 P230280
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	600.0	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	600.0	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	600.0	0.0	0.0	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL SLUDGE - Chlorinated Pesticide Analysis
 From 01-JAN-2003 To 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2003 P203660	28-FEB-2003 P205996	31-MAR-2003 P209557	30-APR-2003 P212596	31-MAY-2003 P216228
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	31500	ND	ND	33000	56000
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	20500
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	31500	0	0	33000	56000
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	31500	0	0	33000	76500

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2003 To 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JUL-2003 P223945	31-AUG-2003 P228261	30-SEP-2003 P232182	31-OCT-2003 P235277	30-NOV-2003 P239233
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	34000	ND	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	89500	130000	84000	<28000	<28000
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	34000	57000	30500	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	34000	0	0	0	0
Chlordane + related cmpds.	48000	NG/KG	89500	130000	84000	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
=====							
Chlorinated Hydrocarbons	580000	NG/KG	157500	187000	114500	0	0

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2003 To 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	Annual
			31-DEC-2003 P242390	Average
Aldrin	71000	NG/KG	ND	ND
Dieldrin	35000	NG/KG	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND
p,p-DDD	18000	NG/KG	ND	ND
p,p-DDE	28000	NG/KG	<28000	14045
p,p-DDT	35000	NG/KG	ND	ND
o,p-DDD	28000	NG/KG	ND	ND
o,p-DDE	52000	NG/KG	ND	ND
o,p-DDT	71000	NG/KG	ND	ND
Heptachlor	28000	NG/KG	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	27591
Gamma (trans) Chlordane	48000	NG/KG	ND	ND
Alpha Chlordene		NG/KG	NA	NA
Gamma Chlordene		NG/KG	NA	NA
Oxychlordane	28000	NG/KG	ND	ND
Trans Nonachlor	18000	NG/KG	ND	12909
Cis Nonachlor	52000	NG/KG	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND
Toxaphene	130000	NG/KG	ND	ND
Mirex	18000	NG/KG	ND	ND
Methoxychlor	71000	NG/KG	ND	ND
PCB 1016	260000	NG/KG	ND	ND
PCB 1221	580000	NG/KG	ND	ND
PCB 1232	220000	NG/KG	ND	ND
PCB 1242		NG/KG	ND	ND
PCB 1248	310000	NG/KG	ND	ND
PCB 1254	130000	NG/KG	ND	ND
PCB 1260	86000	NG/KG	ND	ND
PCB 1262		NG/KG	ND	ND
=====				
Aldrin + Dieldrin	71000	NG/KG	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0
DDT and derivatives	71000	NG/KG	0	14045
Chlordane + related cmpds.	48000	NG/KG	0	27591
Polychlorinated biphenyls	580000	NG/KG	0	0
=====				
Chlorinated Hydrocarbons	580000	NG/KG	0	54545

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

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

From 01-JAN-2003 To 31-DEC-2003

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

Analyte	MDL	Units	PLE	PLR	MBC_COMBCN	MBC_NC_DSL	MBC_NC_RSL
			07-OCT-2003 P230221	07-OCT-2003 P230226	07-OCT-2003 P230236	07-OCT-2003 P230296	07-OCT-2003 P230294
Demeton O	.2	UG/L	ND	ND	ND	ND	ND
Demeton S	.07	UG/L	ND	ND	ND	ND	ND
Diazinon	.07	UG/L	0.1	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.07	UG/L	0.1	0.1	ND	ND	ND
Parathion	.06	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.1	0.1	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	.2	UG/L	0.2	0.1	0.0	0.0	0.0

Additional analytes...

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	.07	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	.07	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	.2	UG/L	NA	NA	NA	NA	NA
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 PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2003 To 31-DEC-2003

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

Analyte	MDL	Units	RAW COMP	DIG COMP
			07-OCT-2003 P230266	07-OCT-2003 P230280
Demeton O	.2	UG/L	ND	ND
Demeton S	.07	UG/L	ND	ND
Diazinon	.07	UG/L	ND	ND
Guthion	.15	UG/L	ND	ND
Malathion	.07	UG/L	ND	ND
Parathion	.06	UG/L	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.0	0.0
Demeton -O, -S	.2	UG/L	0.0	0.0
Total Organophosphorus Pesticides	.2	UG/L	0.0	0.0

Additional analytes...

Tetraethylpyrophosphate		UG/L	NA	NA
Dichlorvos	.05	UG/L	ND	ND
Dibrom	.2	UG/L	ND	ND
Ethoprop	.04	UG/L	ND	ND
Phorate	.04	UG/L	ND	ND
Sulfotepp	.04	UG/L	ND	ND
Disulfoton	.08	UG/L	ND	ND
Monocrotophos		UG/L	NA	NA
Dimethoate	.06	UG/L	ND	ND
Ronnel	.06	UG/L	ND	ND
Trichloronate	.07	UG/L	ND	ND
Merphos	.07	UG/L	ND	ND
Dichlofenthion	.08	UG/L	ND	ND
Tokuthion	.07	UG/L	ND	ND
Stirophos	.08	UG/L	ND	ND
Bolstar	.1	UG/L	ND	ND
Fensulfothion	.15	UG/L	ND	ND
EPN	.07	UG/L	ND	ND
Coumaphos	.15	UG/L	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND
Mevinphos, z isomer	.2	UG/L	NA	NA
Chlorpyrifos	.07	UG/L	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 From 01-JAN-2003 To 31-DEC-2003
 QUARTERLY SLUDGE PROJECT
 Tributyl Tin (Sewage)

	PLE	PLE	PLE	PLE	PLR	PLR	PLR
	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003
	P202054	P211483	P223385	P230221	P202059	P211488	P223390
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND

	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBCDEWCN
	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	31-OCT-2003
	P230226	P202069	P211498	P223400	P230236	P235277
Monobutyl Tin	ND	ND	ND	ND	ND	ND
Tributyl tin	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-2003 To 31-DEC-2003

Sampling: AM Analysis: CW,TB,KD

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	31-JAN-2003	31-MAR-2003	30-APR-2003	31-JUL-2003
			P203660	P209557	P212596	P223945
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

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	30-SEP-2003	30-NOV-2003	31-DEC-2003
			P232182	P239233	P242390
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625
 From 01-JAN-2003 to 31-DEC-2003

Sampled by: VB,LC,MC,NC,HD,JN,SKB
 Analyzed by: E.Lanez, S.Evans

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			11-FEB-2003 P202054	13-MAY-2003 P211483	12-AUG-2003 P223385	07-OCT-2003 P230221	11-FEB-2003 P202059	13-MAY-2003 P211488
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	5.70	9.70	8.70	9.40	11.20	18.30
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	24.80	37.30	26.50	30.00	48.60	47.80
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	5.70	9.70	8.70	9.40	11.20	18.30
Phenols	6.07	UG/L	5.70	9.70	8.70	9.40	11.20	18.30

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			12-AUG-2003 P223390	07-OCT-2003 P230226	11-FEB-2003 P202069	13-MAY-2003 P211498	12-AUG-2003 P223400	07-OCT-2003 P230236
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	12.10	9.20	ND	4.40	ND	5.80
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	38.90	29.10	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.07	UG/L	12.10	9.20	0.00	4.40	0.00	5.80
Phenols	6.07	UG/L	12.10	9.20	0.00	4.40	0.00	5.80

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-2003 to 1-DEC-2003

Sampled by: VB,LC,MC,NC,HD,JN,SKB
 Analyzed by: E.Lanez, S.Evans

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP
			11-FEB-2003 P202099	14-MAY-2003 P211528	12-AUG-2003 P223430	07-OCT-2003 P230266	11-FEB-2003 P202113	14-MAY-2003 P211542
2-chlorophenol	1.76	UG/L	ND	<67.70	<66.50	<68.80	ND	<66.10
2,4-dichlorophenol	1.95	UG/L	ND	<75.00	<73.70	<76.30	ND	<73.30
4-chloro-3-methylphenol	1.34	UG/L	ND	<51.60	<50.70	<52.40	ND	<50.40
2,4,6-trichlorophenol	1.75	UG/L	ND	<67.30	<66.10	<68.40	ND	<65.80
Pentachlorophenol	5.87	UG/L	ND	<226.00	<222.00	<230.00	ND	<221.00
Phenol	2.53	UG/L	99.90	<97.30	<95.70	<98.90	ND	<95.10
2-nitrophenol	1.88	UG/L	ND	<72.30	<71.10	<73.50	ND	<70.70
2,4-dimethylphenol	1.32	UG/L	ND	<50.80	<49.90	<51.60	ND	<49.60
2,4-dinitrophenol	6.07	UG/L	ND	<234.00	<229.00	<237.00	ND	<228.00
4-nitrophenol	3.17	UG/L	ND	<122.00	<120.00	<124.00	ND	<119.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	<165.00	<162.00	<168.00	ND	<161.00
2-methylphenol	1.51	UG/L	ND	<58.10	<57.10	<59.10	ND	<56.70
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	1070.00	3210.00	1960.00	1410.00	ND	<159.00
2,4,5-trichlorophenol	1.66	UG/L	ND	<63.90	<62.80	<64.90	ND	<62.40
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	99.90	0.00	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	99.90	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
			12-AUG-2003 P223444	07-OCT-2003 P230280	11-FEB-2003 P202129	13-MAY-2003 P211558	12-AUG-2003 P223460	07-OCT-2003 P230296
2-chlorophenol	1.76	UG/L	<65.90	<66.80	ND	<68.30	<69.50	<59.40
2,4-dichlorophenol	1.95	UG/L	<73.00	<74.00	ND	<75.70	<77.00	<65.80
4-chloro-3-methylphenol	1.34	UG/L	<50.20	<50.80	ND	<52.00	<52.90	<45.20
2,4,6-trichlorophenol	1.75	UG/L	<65.50	<66.40	ND	<67.90	<69.10	<59.00
Pentachlorophenol	5.87	UG/L	<220.00	<223.00	ND	<228.00	<232.00	<198.00
Phenol	2.53	UG/L	<94.80	<96.00	ND	<98.20	<100.00	<85.00
2-nitrophenol	1.88	UG/L	<70.40	<71.30	ND	<73.00	<74.30	<63.40
2,4-dimethylphenol	1.32	UG/L	<49.40	<50.10	ND	<51.20	<52.20	<44.50
2,4-dinitrophenol	6.07	UG/L	<227.00	<230.00	ND	<236.00	<240.00	<205.00
4-nitrophenol	3.17	UG/L	<119.00	<120.00	ND	<123.00	<125.00	<107.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	<161.00	<163.00	ND	<166.00	<169.00	<145.00
2-methylphenol	1.51	UG/L	<56.60	<57.30	ND	<58.60	<59.70	<50.90
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	<158.00	<160.00	ND	<164.00	<167.00	<142.00
2,4,5-trichlorophenol	1.66	UG/L	<62.20	<63.00	ND	<64.40	<65.60	<56.00
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-2003 to 31-DEC-2003

Sampled by: VB,LC,MC,NC,HD,JN,SKB
 Analyzed by: E.Lanez, S.Evans

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			11-FEB-2003 P202127	13-MAY-2003 P211556	12-AUG-2003 P223458	07-OCT-2003 P230294
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	233.00	206.00	358.00	308.00
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-2003 to 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average
			28-FEB-2003	31-MAY-2003	31-AUG-2003	31-OCT-2003	
			P205996	P216228	P228261	P235277	UG/KG
2,4,6-trichlorophenol	1650	UG/KG	ND	ND	ND	ND	ND
2,4-dichlorophenol	1650	UG/KG	ND	ND	ND	ND	ND
2,4-dimethylphenol	1650	UG/KG	ND	ND	ND	ND	ND
2,4-dinitrophenol	1650	UG/KG	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	800	UG/KG	ND	ND	ND	ND	ND
2-chlorophenol	1650	UG/KG	ND	ND	ND	ND	ND
2-nitrophenol	1650	UG/KG	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1650	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	1650	UG/KG	80900	28500	138000	148000	98850
Total Non-Chlorinated Phenols	1650	UG/KG	148700	86400	153500	156760	136340
Total Chlorinated Phenols	1650	UG/KG	0	0	0	0	0
Phenols	1650	UG/KG	148700	86400	153500	156760	136340
Phenols average	1650	UG/KG	7355	2591	12545	13455	8987

Additional analytes determined;

2-methylphenol	1650	UG/KG	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	1650	UG/KG	ND	NA	ND	NA	ND
4-methylphenol(3-MP is unresolved)	1650	UG/KG	67800	57900	15500	8760	37490
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- Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2003 to 31-DEC-2003

Sampled by: A. Martinez
 Analyzed by: S.Evans, E.Lanez

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			11-FEB-2003 P202113	14-MAY-2003 P211542	12-AUG-2003 P223444	07-OCT-2003 P230280	11-FEB-2003 P202099	14-MAY-2003 P211528
Chloromethane	25.8	UG/KG	ND	*	ND	ND	ND	*
Bromomethane	29.2	UG/KG	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	160.0	ND	ND	ND	ND	ND
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	379.0	ND	ND	ND	ND	142.0
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	55.0	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	375.0	ND	ND	ND	ND	184.0
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	425.0	81.5	233.0	260.0	ND	634.0
Ethylbenzene	90.5	UG/KG	162.0	238.0	ND	275.0	ND	132.0
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	1556.0	319.5	233.0	535.0	0.0	1092.0

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	598.0	487.0	395.0	728.0	ND	530.0
Styrene	19	UG/KG	258.0	ND	ND	ND	ND	150.0
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	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	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	112.0	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	174.0	289.0	233.0	395.0	ND	227.0
Acetone	185	UG/KG	ND	ND	4040.0	5470.0	ND	33800.0
Carbon disulfide	34	UG/KG	7330.0	290.0	310.0	421.0	55.3	3270.0
2-butanone		UG/KG	2320.0	ND	1690.0	3030.0	ND	ND

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-2003to 31-DEC-2003

Sampled by: A. Martinez
 Analyzed by: S.Evans, E.Lanez

Analyte	MDL	Units	RAW COMP	RAW COMP	MBC_NC_DSL	MBC_NC_RSL
			12-AUG-2003 P223430	07-OCT-2003 P230266	13-MAY-2003 P211558	13-MAY-2003 P211556
Chloromethane	25.8	UG/KG	ND	ND	*	*
Bromomethane	29.2	UG/KG	ND	ND	*	*
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	168.0	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	330.0	288.0	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	276.0	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	174.0	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	330.0	ND
Benzene	26.5	UG/KG	ND	ND	217.0	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	477.0	563.0	398.0	ND
Chlorobenzene	31.1	UG/KG	ND	ND	276.0	ND
Toluene	48	UG/KG	53600.0	529.0	725.0	2900.0
Ethylbenzene	90.5	UG/KG	279.0	121.0	395.0	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0	0.0	0.0
Purgeable Compounds	275	UG/KG	54686.0	1501.0	2959.0	2900.0

Additional analytes determined;

Analyte	MDL	Units	RAW COMP	RAW COMP	MBC_NC_DSL	MBC_NC_RSL
Allyl chloride	25	UG/KG	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	965.0	451.0	729.0	2200.0
Styrene	19	UG/KG	100.0	ND	271.0	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	409.0	ND
Methyl Iodide	19	UG/KG	ND	ND	*	*
Chloroprene	17	UG/KG	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	70.6	ND	291.0	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND
ortho-xylene	23	UG/KG	327.0	207.0	300.0	ND
Acetone	185	UG/KG	88400.0	38400.0	ND	15500.0
Carbon disulfide	34	UG/KG	300.0	717.0	356.0	3750.0
2-butanone		UG/KG	4480.0	6250.0	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Purgeables

From 01-JAN-2003 to 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2003 P205996	31-MAR-2003 P209557	30-APR-2003 P212596	31-MAY-2003 P216228	31-JUL-2003 P223945	31-AUG-2003 P228261
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	102	162	154	105	189	136
Acetone	185	UG/KG	9910	5980	*	13500	13000	7350
Methylene chloride	62.5	UG/KG	ND	ND	ND	242	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	2070	2930	*	4870	5910	3210
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	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	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	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	436	942	710	567	884	513
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	12082	9072	154	18717	19099	10696

Additional analytes determined:

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	102	190	78	127	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	803	754	696	842	870	904
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	74	167	108	72	115	79
ortho-xylene	23	UG/KG	43	99	62	45	64	44
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	35	<19	<19	29	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 SLUDGE - Purgeables

From 01-JAN-2003 to 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average
			30-SEP-2003 P232182	31-OCT-2003 P235277	30-NOV-2003 P239233	31-DEC-2003 P242390	
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	205	101	102	124	138
Acetone	185	UG/KG	17500	7460	7030	12200	10437
Methylene chloride	62.5	UG/KG	95	ND	ND	ND	34
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND
2-butanone		UG/KG	7650	5870	5600	9950	5340
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	<16	ND	0
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	<48	ND	ND	0
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	499	359	422	400	573
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	25450	13431	12732	22274	14371

Additional analytes determined;

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	50
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	931	854	901	913	847
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	87	93	79	63	94
ortho-xylene	23	UG/KG	47	52	43	33	53
Isopropylbenzene	17	UG/KG	ND	<17	<17	ND	0
Styrene	19	UG/KG	ND	ND	ND	ND	6
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605
 From 01-JAN-2003 to 31-DEC-2003

Sampled by: VB,LC,MC,NC,NL

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			11-FEB-2003 P202054	13-MAY-2003 P211483	12-AUG-2003 P223385	07-OCT-2003 P230221	11-FEB-2003 P202059	13-MAY-2003 P211488
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	ND	ND	ND	2.6	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.52	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	ND	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	ND	ND	17.0
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	9.2
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[Al]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	0.0	2.6	0.0	26.2

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

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

MDL based on 1 liter sample

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605
 From 01-JAN-2003 to 31-DEC-2003

Sampled by: VB,LC,MC,NC,NL

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN
			12-AUG-2003 P223390	07-OCT-2003 P230226	13-MAY-2003 P211498
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	2.8	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	9.2
Fluoranthene	6.9	UG/L	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	12.9	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	2.8	12.9	9.2

Additional analytes determined;

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 ANNUAL SLUDGE - Base/Neutrals
 From 01-JAN-2003 to 31-DEC-2003

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2003	31-MAY-2003	31-OCT-2003
			P205996	P216228	P235277
=====					
bis(2-chloroethyl) ether	1650	UG/KG	ND	ND	ND
1,3-dichlorobenzene	1650	UG/KG	ND	ND	ND
1,4-dichlorobenzene	1650	UG/KG	ND	615	848
1,2-dichlorobenzene	1650	UG/KG	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1650	UG/KG	ND	ND	ND
N-nitrosodi-n-propylamine	1650	UG/KG	ND	ND	ND
Nitrobenzene	1650	UG/KG	ND	ND	ND
Hexachloroethane	1650	UG/KG	ND	ND	ND
Isophorone	1650	UG/KG	ND	ND	ND
bis(2-chloroethoxy)methane	1650	UG/KG	ND	ND	ND
1,2,4-trichlorobenzene	1650	UG/KG	ND	ND	ND
Naphthalene	1650	UG/KG	ND	ND	1250
Hexachlorobutadiene	1650	UG/KG	ND	ND	ND
Hexachlorocyclopentadiene	1650	UG/KG	ND	ND	ND
2-chloronaphthalene		UG/KG	ND	ND	ND
Acenaphthylene	1650	UG/KG	ND	ND	ND
Dimethyl phthalate	1650	UG/KG	2090	ND	ND
2,6-dinitrotoluene	1650	UG/KG	ND	775	ND
Acenaphthene	1650	UG/KG	ND	ND	ND
2,4-dinitrotoluene	1650	UG/KG	ND	ND	ND
Fluorene	1650	UG/KG	ND	ND	923
4-chlorophenyl phenyl ether	1650	UG/KG	ND	ND	ND
Diethyl phthalate	1650	UG/KG	ND	ND	ND
N-nitrosodiphenylamine	1650	UG/KG	ND	ND	ND
4-bromophenyl phenyl ether	1650	UG/KG	ND	ND	ND
Hexachlorobenzene	1650	UG/KG	ND	ND	ND
Phenanthrene	1650	UG/KG	<1650	ND	2400
Anthracene	1650	UG/KG	ND	ND	ND
Di-n-butyl phthalate	1650	UG/KG	ND	ND	ND
N-nitrosodimethylamine	1650	UG/KG	ND	ND	ND
Fluoranthene	1650	UG/KG	ND	ND	ND
Pyrene	1650	UG/KG	ND	ND	ND
Butyl benzyl phthalate	1650	UG/KG	4430	3730	ND
Chrysene	1650	UG/KG	ND	ND	ND
Benzo[A]anthracene	1650	UG/KG	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	1650	UG/KG	153000	84500	92400
Di-n-octyl phthalate	1650	UG/KG	13200	640	ND
Benzo[K]fluoranthene	1650	UG/KG	ND	ND	ND
3,4-benzo(B)fluoranthene	1650	UG/KG	ND	ND	ND
Benzo[A]pyrene	1650	UG/KG	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1650	UG/KG	ND	ND	ND
Dibenzo(A,H)anthracene	1650	UG/KG	ND	ND	ND
Benzo[G,H,I]perylene	1650	UG/KG	ND	ND	ND
1,2-diphenylhydrazine		UG/KG	ND	ND	ND
=====					
PolyNuc. Aromatic Hydrocarbons	1650	UG/KG	0	0	3323
Dichlorobenzenes	1650	UG/KG	0	615	848
=====					
Base/Neutral Compounds	1650	UG/KG	172720	90260	97821

Additional analytes determined;

	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2003	31-MAY-2003	31-OCT-2003
			P205996	P216228	P235277
=====					
1-methylnaphthalene		UG/KG	ND	ND	3010
2-methylnaphthalene		UG/KG	1720	ND	4410
2,6-dimethylnaphthalene		UG/KG	3110	1850	5240
2,3,5-trimethylnaphthalene		UG/KG	ND	ND	ND
1-methylphenanthrene		UG/KG	1500	ND	ND
Benzo[e]pyrene		UG/KG	ND	ND	ND
Perylene	1650	UG/KG	ND	ND	ND
Biphenyl		UG/KG	ND	ND	ND
Pyridine		UG/KG	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-2003 to 31-DEC-2003

Sampled by: A. Martinez

Analyte	MDL	Units	Equip	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P199748	P205998	P206713	P209205	P211483	P216657	P219967	P223385	P229232
2,3,7,8-tetra CDD	200	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	200	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	400	PG/L	0.001	ND	ND	<100.000	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	100	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	200	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	200	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	400	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equip	PLE	PLE	PLE
				OCT	NOV	DEC
				P230221	P236459	P239535
2,3,7,8-tetra CDD	200	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	200	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200	PG/L	0.010	ND	ND	ND
octa CDD	400	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	100	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	200	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	200	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200	PG/L	0.010	ND	ND	ND
octa CDF	400	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-2003 to 31-DEC-2003

Sampled by: A. Martinez

Analyte	MDL Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	
		TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
		P199748	P205998	P206713	P209205	P211483	P216657	P219967	P223385	P229232
2,3,7,8-tetra CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	400 PG/L	ND	ND	0.070	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	100 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	400 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL Units	PLE	PLE	PLE
		TCDD	TCDD	TCDD
		OCT	NOV	DEC
		P230221	P236459	P239535
2,3,7,8-tetra CDD	200 PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	200 PG/L	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200 PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200 PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200 PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200 PG/L	ND	ND	ND
octa CDD	400 PG/L	ND	ND	ND
2,3,7,8-tetra CDF	100 PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	200 PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	200 PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200 PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200 PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200 PG/L	ND	ND	ND
octa CDF	400 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-2003 to 31-DEC-2003

Sampled by: A. Martinez

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P199751	P206001	P206716	P209208	P211488	P216660	P219970	P223390	P229235
2,3,7,8-tetra CDD	200	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	200	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200	PG/L	0.010	ND	ND	220.000	ND	ND	ND	ND	ND	ND
octa CDD	400	PG/L	0.001	120.000	ND	1300.000	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	100	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	200	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	200	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	400	PG/L	0.001	ND	ND	170.000	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR
				OCT	NOV	DEC
				P230226	P236462	P239538
2,3,7,8-tetra CDD	200	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	200	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200	PG/L	0.010	ND	ND	ND
octa CDD	400	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	100	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	200	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	200	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200	PG/L	0.010	ND	ND	ND
octa CDF	400	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-2003 to 31-DEC-2003

Sampled by: A. Martinez

Analyte	MDL Units	PLR	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
		P199751	P206001	P206716	P209208	P211488	P216660	P219970	P223390	P229235
2,3,7,8-tetra CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200 PG/L	ND	ND	2.200	ND	ND	ND	ND	ND	ND
octa CDD	400 PG/L	0.120	ND	1.300	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	100 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200 PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	400 PG/L	ND	ND	0.170	ND	ND	ND	ND	ND	ND

Analyte	MDL Units	PLR	PLR	PLR
		TCDD	TCDD	TCDD
		OCT	NOV	DEC
		P230226	P236462	P239538
2,3,7,8-tetra CDD	200 PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	200 PG/L	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	200 PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	200 PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	200 PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	200 PG/L	ND	ND	ND
octa CDD	400 PG/L	ND	ND	ND
2,3,7,8-tetra CDF	100 PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	200 PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	200 PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	200 PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	200 PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	200 PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	200 PG/L	ND	ND	ND
octa CDF	400 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-2003 to 31-DEC-2003

Analyte	MDL Units	MBCDEWCN	MBCDEWCN
		28-FEB-2003 P205996	31-OCT-2003 P235277
2,3,7,8-tetra CDD	NG/KG	ND	ND
1,2,3,7,8-penta CDD	NG/KG	ND	ND
1,2,3,4,7,8-hexa_CDD	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD	NG/KG	ND	ND
1,2,3,7,8,9-hexa CDD	NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDD	NG/KG	31	130
octa CDD	NG/KG	300	1600
2,3,7,8-tetra CDF	NG/KG	ND	4
1,2,3,7,8-penta CDF	NG/KG	ND	ND
2,3,4,7,8-penta CDF	NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDF	NG/KG	ND	ND
1,2,3,7,8,9-hexa CDF	NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDF	NG/KG	ND	E150
1,2,3,4,7,8,9-hepta CDF	NG/KG	ND	ND
octa CDF	NG/KG	79	1000

Above are permit required CDD/CDF isomers.

B. North City Water Reclamation Plant sources

(also reported in the NCWRP Annual Report)

North City Water Reclamation Plant

2003 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			11-FEB-2003	12-FEB-2003	13-MAY-2003	14-MAY-2003
Ammonia-N	.2	MG/L	32.7	NR	36.3	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	158.0	NR	279.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	195	NR	533	NR
Conductivity	10	UMHOS/CM	1890	NR	1900	NR
Grease/oil	1.4	MG/L	NR	13.6	NR	20.0
MBAS (Surfactants)	.03	MG/L	7.9	NR	8.2	NR
pH (grab)		PH	NR	7.4	NR	7.4
pH (composite)		PH	7.6	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	280	NR	279	NR
Total Dissolved Solids	42	MG/L	1200	NR	1070	NR
Total Suspended Solids	1.6	MG/L	154.0	NR	306.0	NR
Volatile Suspended Solids	1.6	MG/L	120.0	NR	266.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	90.3	NR	41.2	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	120.0	NR	150.0	NR

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			12-AUG-2003	13-AUG-2003	07-OCT-2003	08-OCT-2003
Ammonia-N	.2	MG/L	32.3	NR	37.2	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	249.0	NR	192.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	640	NR	499	NR
Conductivity	10	UMHOS/CM	1950	NR	1990	NR
Grease/oil	1.4	MG/L	NR	20.7	NR	23.9
MBAS (Surfactants)	.03	MG/L	10.9	NR	9.3	NR
pH (grab)		PH	NR	7.5	NR	7.4
pH (composite)		PH	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	269	NR	284	NR
Total Dissolved Solids	42	MG/L	1100	NR	1090	NR
Total Suspended Solids	1.6	MG/L	262.0	NR	206.0	NR
Volatile Suspended Solids	1.6	MG/L	220.0	NR	172.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	44.3	NR	50.6	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	140.0	NR	120.0	NR

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

North City Water Reclamation Plant

2003 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			11-FEB-2003	12-FEB-2003	13-MAY-2003	14-MAY-2003
Ammonia-N	.2	MG/L	32.1	NR	30.4	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	195.0	NR	272.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	186	NR	398	NR
Conductivity	10	UMHOS/CM	1590	NR	1770	NR
Grease/oil	1.4	MG/L	NR	48.0	NR	48.4
MBAS (Surfactants)	.03	MG/L	9.3	NR	5.6	NR
pH (grab)		PH	NR	7.5	NR	7.3
pH (composite)		PH	7.7	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	314	NR	273	NR
Total Dissolved Solids	42	MG/L	968	NR	944	NR
Total Suspended Solids	1.6	MG/L	256.0	NR	284.0	NR
Volatile Suspended Solids	1.6	MG/L	220.0	NR	224.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	82.5	NR	34.4	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	140.0	NR	170.0	NR

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			12-AUG-2003	13-AUG-2003	07-OCT-2003	08-OCT-2003
Ammonia-N	.2	MG/L	27.8	NR	26.2	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	261.0	NR	195.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	777	NR	463	NR
Conductivity	10	UMHOS/CM	1740	NR	1690	NR
Grease/oil	1.4	MG/L	NR	31.7	NR	25.6
MBAS (Surfactants)	.03	MG/L	7.4	NR	7.6	NR
pH (grab)		PH	NR	7.6	NR	7.5
pH (composite)		PH	7.8	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	328	NR	313	NR
Total Dissolved Solids	42	MG/L	956	NR	944	NR
Total Suspended Solids	1.6	MG/L	332.0	NR	254.0	NR
Volatile Suspended Solids	1.6	MG/L	274.0	NR	208.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	38.6	NR	41.3	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	150.0	NR	120.0	NR

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

North City Water Reclamation Plant

2003 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			11-FEB-2003	12-FEB-2003	13-MAY-2003	14-MAY-2003
Ammonia-N	.2	MG/L	33.0	NR	29.0	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	104.0	NR	138.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	190	NR	305	NR
Conductivity	10	UMHOS/CM	1830	NR	1830	NR
Grease/oil	1.4	MG/L	NR	30.4	NR	27.1
MBAS (Surfactants)	.03	MG/L	7.7	NR	7.8	NR
pH (grab)		PH	NR	7.4	NR	7.5
pH (composite)		PH	7.6	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	288	NR	256	NR
Total Dissolved Solids	42	MG/L	1170	NR	1050	NR
Total Suspended Solids	1.6	MG/L	64.0	NR	97.0	NR
Volatile Suspended Solids	1.6	MG/L	50.0	NR	79.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	78.0	NR	45.5	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	74.0	NR	80.0	NR

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			12-AUG-2003	13-AUG-2003	07-OCT-2003	08-OCT-2003
Ammonia-N	.2	MG/L	28.0	NR	32.2	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	90.4	NR	126.0	NR
BOD (Soluble)	2	MG/L	NR	NR	128.0	NR
Chemical Oxygen Demand	22	MG/L	613	NR	312	NR
Conductivity	10	UMHOS/CM	1930	NR	1900	NR
Grease/oil	1.4	MG/L	NR	25.1	NR	22.8
MBAS (Surfactants)	.03	MG/L	5.8	NR	8.3	NR
pH (grab)		PH	NR	7.5	NR	7.4
pH (composite)		PH	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	289	NR	293	NR
Total Dissolved Solids	42	MG/L	1060	NR	1100	NR
Total Suspended Solids	1.6	MG/L	66.0	NR	77.0	NR
Volatile Suspended Solids	1.6	MG/L	54.0	NR	64.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	47.8	NR	42.7	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	63.0	NR	61.0	NR

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

North City Water Reclamation Plant

2003 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
			11-FEB-2003	12-FEB-2003	13-MAY-2003	14-MAY-2003
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	39	NR	32	NR
Conductivity	10	UMHOS/CM	1730	NR	1830	NR
Grease/oil	1.4	MG/L	NR	ND	NR	ND
MBAS (Surfactants)	.03	MG/L	0.2	NR	0.2	NR
pH (grab)		PH	NR	7.1	NR	7.0
pH (composite)		PH	7.6	NR	7.2	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	146	NR	46	NR
Total Dissolved Solids	42	MG/L	1270	NR	1190	NR
Total Suspended Solids	1.6	MG/L	ND	NR	5.8	NR
Volatile Suspended Solids	1.6	MG/L	ND	NR	5.3	NR
Total Kjeldahl Nitrogen	1.6	MG/L	42.6	NR	ND	NR
Total Organic Carbon		MG/L	9.3	NR	NR	NR
Turbidity		NTU	1.7	NR	7.7	NR

Analytes	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
			12-AUG-2003	13-AUG-2003	07-OCT-2003	08-OCT-2003
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	36	NR	38	NR
Conductivity	10	UMHOS/CM	1760	NR	1780	NR
Grease/oil	1.4	MG/L	NR	ND	NR	ND
MBAS (Surfactants)	.03	MG/L	0.3	NR	0.3	NR
pH (grab)		PH	NR	7.4	NR	7.2
pH (composite)		PH	7.7	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	156	NR	153	NR
Total Dissolved Solids	42	MG/L	1140	NR	1080	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	1.7	NR
Total Organic Carbon		MG/L	8.3	NR	8.3	NR
Turbidity		NTU	2.7	NR	1.8	NR

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

North City Water Reclamation Plant

2003 Quarterly Sludge Project

Physical Parameters

Analytes	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			11-FEB-2003	12-FEB-2003	13-MAY-2003	14-MAY-2003
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	37	NR	ND	NR
Conductivity	10	UMHOS/CM	1340	NR	1190	NR
Grease/oil	1.4	MG/L	NR	ND	NR	ND
MBAS (Surfactants)	.03	MG/L	0.2	NR	0.1	NR
pH (grab)		PH	NR	7.2	NR	8.2
pH (composite)		PH	7.6	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	117	NR	81	NR
Total Dissolved Solids	42	MG/L	928	NR	716	NR
Total Suspended Solids	1.6	MG/L	ND	NR	3.2	NR
Volatile Suspended Solids	1.6	MG/L	ND	NR	2.8	NR
Total Kjeldahl Nitrogen	1.6	MG/L	34.0	NR	ND	NR
Total Organic Carbon		MG/L	8.7	NR	NR	NR
Turbidity		NTU	1.3	NR	3.4	NR

Analytes	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			12-AUG-2003	13-AUG-2003	07-OCT-2003	08-OCT-2003
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	31	NR	29	NR
Conductivity	10	UMHOS/CM	1550	NR	1500	NR
Grease/oil	1.4	MG/L	NR	ND	NR	ND
MBAS (Surfactants)	.03	MG/L	0.3	NR	0.3	NR
pH (grab)		PH	NR	7.5	NR	7.3
pH (composite)		PH	7.8	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	143	NR	147	NR
Total Dissolved Solids	42	MG/L	968	NR	916	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	8.3	NR	7.6	NR
Turbidity		NTU	0.5	NR	0.6	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
Annual Monitoring Report

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(Metals from Digestion and Ions from Supernatant)

Source:			N30-DFE	N30-DFE	N30-DFE	N30-DFE	N10-EFF
Date:			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003
Sample ID:	MDL	Units	P202089	P211518	P223420	P230256	P202084
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	110	209	55	ND	953
Antimony	23	UG/L	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	0.95	ND	0.72	1.45	1.38
Barium	10	UG/L	62	70	54	66	94
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	500	447	207	434	401
Cadmium	1	UG/L	ND	ND	ND	ND	ND
Chromium	5	UG/L	ND	ND	<5	ND	ND
Cobalt	4	UG/L	ND	<4	ND	ND	ND
Copper	4	UG/L	58	37	63	19	99
Iron	30	UG/L	99	830	69	54	568
Lead	18	UG/L	ND	ND	ND	ND	ND
Manganese	4	UG/L	28.10	381.00	16.20	11.10	236.00
Mercury	.09	UG/L	ND	0.51	ND	ND	0.10
Molybdenum	3	UG/L	8	4	36	ND	6
Nickel	14	UG/L	ND	ND	<14	ND	ND
Selenium	.28	UG/L	0.98	0.72	0.78	0.71	1.74
Silver	6.6	UG/L	8.0	ND	ND	ND	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	ND	ND	ND	ND
Zinc	4	UG/L	36	31	72	39	55
Bromide	.1	MG/L	ND	ND	ND	ND	0.87
Chloride	7	MG/L	322	346	262	290	312
Fluoride	.05	MG/L	0.52	0.47	0.50	0.44	0.56
Nitrate	.04	MG/L	69.00	82.60	56.30	52.10	ND
Ortho Phosphate	.2	MG/L	7.88	1.14	6.18	7.23	9.86
Sulfate	9	MG/L	298	232	239	247	287
Calcium	.08	MG/L	87	81	93	91	89
Lithium	.01	MG/L	0.03	0.02	0.04	0.02	0.01
Magnesium	.02	MG/L	39	36	36	38	40
Potassium	2	MG/L	17	17	19	18	20
Sodium	.3	MG/L	213	203	201	207	198
Calcium Hardness	.2	MG/L	217	203	231	227	222
Magnesium Hardness	.08	MG/L	161	149	149	158	163
Total Hardness	.22	MG/L	378	350	380	385	385
Cyanides, Total	.002	MG/L	0.011	0.006	0.009	0.009	ND
Sulfides-Total	.18	MG/L	ND	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	42.6	ND	ND	1.7	78.0

ND= Not Detected
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NR= Not Required

N30-DFE = Disinfected Final Effluent
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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
Annual Monitoring Report

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(Metals from Digestion and Ions from Supernatant)

Source:			N10-EFF	N10-EFF	N10-EFF	N01-PS_INF	N01-PS_INF
Date:			13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
Sample ID:	MDL	Units	P211513	P223415	P230251	P202074	P211503
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	781	4620	635	1910	2110
Antimony	23	UG/L	ND	48	ND	ND	ND
Arsenic	.4	UG/L	1.44	3.14	1.35	1.66	1.63
Barium	10	UG/L	68	162	98	116	140
Beryllium	.39	UG/L	ND	ND	0.48	ND	ND
Boron	15	UG/L	441	398	389	419	422
Cadmium	1	UG/L	<1.0	ND	ND	ND	ND
Chromium	5	UG/L	ND	35	13	6	ND
Cobalt	4	UG/L	ND	ND	ND	ND	ND
Copper	4	UG/L	164	204	38	173	267
Iron	30	UG/L	3200	1110	460	1720	2240
Lead	18	UG/L	ND	25	ND	ND	ND
Manganese	4	UG/L	206.00	303.00	200.00	253.00	241.00
Mercury	.09	UG/L	0.10	0.88	0.11	0.39	1.14
Molybdenum	3	UG/L	12	10	12	13	15
Nickel	14	UG/L	ND	39	ND	ND	<14
Selenium	.28	UG/L	1.17	1.70	1.30	1.78	1.63
Silver	6.6	UG/L	ND	7.0	ND	7.1	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	8	ND	ND	ND
Zinc	4	UG/L	56	177	50	106	167
Bromide	.1	MG/L	0.62	ND	0.61	0.78	0.84
Chloride	7	MG/L	268	186	277	338	290
Fluoride	.05	MG/L	0.45	0.48	0.42	0.63	0.48
Nitrate	.04	MG/L	ND	1.04	ND	ND	ND
Ortho Phosphate	.2	MG/L	5.48	7.67	8.19	10.50	8.11
Sulfate	9	MG/L	235	231	251	286	235
Calcium	.08	MG/L	81	109	94	96	90
Lithium	.01	MG/L	0.01	0.04	0.03	0.02	0.04
Magnesium	.02	MG/L	39	35	39	41	40
Potassium	2	MG/L	19	18	18	18	20
Sodium	.3	MG/L	190	165	195	204	206
Calcium Hardness	.2	MG/L	203	271	234	239	226
Magnesium Hardness	.08	MG/L	159	143	161	170	167
Total Hardness	.22	MG/L	362	414	395	409	392
Cyanides, Total	.002	MG/L	ND	ND	ND	ND	ND
Sulfides-Total	.18	MG/L	0.66	ND	0.50	ND	1.14
Total Kjeldahl Nitrogen	1.6	MG/L	45.5	47.8	42.7	90.3	41.2

ND= Not Detected
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NR= Not Required

N30-DFE = Disinfected Final Effluent
N10-EFF = Primary Effluent
N01-PS_INF = North City Pump Station Influent (PS #64)
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North City Water Reclamation Plant
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(Metals from Digestion and Ions from Supernatant)

Source:			N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN	N01-PEN
Date:			12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003
Sample ID:	MDL	Units	P223405	P230241	P202079	P211508	P223410
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	1670	1730	2690	2460	612
Antimony	23	UG/L	<23	ND	ND	ND	<23
Arsenic	.4	UG/L	1.14	1.40	1.79	2.00	1.34
Barium	10	UG/L	120	122	144	97	93
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	430	371	404	314	347
Cadmium	1	UG/L	ND	ND	ND	ND	ND
Chromium	5	UG/L	9	ND	<5	7	17
Cobalt	4	UG/L	ND	ND	ND	ND	ND
Copper	4	UG/L	310	118	137	172	221
Iron	30	UG/L	1050	1270	731	10600	469
Lead	18	UG/L	ND	ND	ND	ND	ND
Manganese	4	UG/L	216.00	230.00	239.00	192.00	229.00
Mercury	.09	UG/L	0.21	0.32	0.13	0.35	0.11
Molybdenum	3	UG/L	81	7	12	11	48
Nickel	14	UG/L	<14	ND	ND	ND	<14
Selenium	.28	UG/L	1.32	1.47	1.94	1.79	1.02
Silver	6.6	UG/L	ND	ND	8.4	ND	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	ND	ND	ND	ND
Zinc	4	UG/L	136	103	94	108	640
Bromide	.1	MG/L	0.66	0.60	ND	0.45	0.36
Chloride	7	MG/L	288	308	208	227	262
Fluoride	.05	MG/L	0.45	0.39	0.45	0.47	0.46
Nitrate	.04	MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2	MG/L	8.59	9.24	10.70	2.34	7.44
Sulfate	9	MG/L	222	236	265	270	240
Calcium	.08	MG/L	95	95	85	82	104
Lithium	.01	MG/L	0.06	0.04	0.03	0.01	0.03
Magnesium	.02	MG/L	40	44	32	37	41
Potassium	2	MG/L	20	14	20	19	20
Sodium	.3	MG/L	213	221	155	183	211
Calcium Hardness	.2	MG/L	237	237	211	204	260
Magnesium Hardness	.08	MG/L	165	181	132	154	169
Total Hardness	.22	MG/L	401	418	343	358	428
Cyanides, Total	.002	MG/L	ND	ND	ND	ND	ND
Sulfides-Total	.18	MG/L	2.33	0.51	ND	3.13	0.66
Total Kjeldahl Nitrogen	1.6	MG/L	44.3	50.6	82.5	34.4	38.6

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

North City Water Reclamation Plant
Annual Monitoring Report

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(Metals from Digestion and Ions from Supernatant)

Source:			N01-PEN	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:			07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
Sample ID:	MDL	Units	P230246	P202094	P211523	P223425	P230261
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	50	UG/L	2810	85	105	82	ND
Antimony	23	UG/L	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	2.39	0.80	ND	ND	1.24
Barium	10	UG/L	154	40	68	47	51
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	408	373	262	193	471
Cadmium	1	UG/L	ND	ND	ND	ND	ND
Chromium	5	UG/L	10	ND	ND	7	ND
Cobalt	4	UG/L	ND	ND	ND	ND	ND
Copper	4	UG/L	68	34	49	60	23
Iron	30	UG/L	695	74	562	66	58
Lead	18	UG/L	ND	ND	ND	ND	ND
Manganese	4	UG/L	217.00	20.90	156.00	12.30	5.70
Mercury	.09	UG/L	0.68	ND	1.71	0.16	ND
Molybdenum	3	UG/L	13	10	6	35	5
Nickel	14	UG/L	ND	ND	ND	ND	ND
Selenium	.28	UG/L	1.46	0.76	0.76	0.61	0.80
Silver	6.6	UG/L	ND	ND	ND	ND	ND
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	7	ND	ND	ND	ND
Zinc	4	UG/L	105	28	14	44	17
Bromide	.1	MG/L	ND	ND	ND	ND	ND
Chloride	7	MG/L	201	229	182	225	237
Fluoride	.05	MG/L	0.46	0.47	0.43	0.44	0.43
Nitrate	.04	MG/L	1.27	49.10	32.90	44.70	31.30
Ortho Phosphate	.2	MG/L	7.81	6.47	1.11	5.98	6.04
Sulfate	9	MG/L	246	224	187	204	207
Calcium	.08	MG/L	101	59	69	76	70
Lithium	.01	MG/L	0.02	0.02	0.01	0.03	0.02
Magnesium	.02	MG/L	34	27	27	30	30
Potassium	2	MG/L	18	14	9	16	12
Sodium	.3	MG/L	166	165	126	180	181
Calcium Hardness	.2	MG/L	251	147	173	188	176
Magnesium Hardness	.08	MG/L	140	109	113	125	121
Total Hardness	.22	MG/L	392	255	285	313	297
Cyanides, Total	.002	MG/L	0.002	0.011	0.005	0.006	0.008
Sulfides-Total	.18	MG/L	ND	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	41.3	34.0	ND	ND	ND

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

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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N30-DFE	11-FEB-2003	P202089	3.4 ± 1.3	11.8 ± 3.0
N30-DFE	13-MAY-2003	P211518	0.4 ± 0.7	7.4 ± 3.1
N30-DFE	12-AUG-2003	P223420	2.1 ± 1.0	14.4 ± 4.1
N30-DFE	07-OCT-2003	P230256	0.7 ± 0.8	10.3 ± 3.1
N10-EFF	11-FEB-2003	P202084	4.8 ± 2.0	17.0 ± 3.9
N10-EFF	13-MAY-2003	P211513	3.0 ± 1.3	12.9 ± 3.7
N10-EFF	12-AUG-2003	P223415	8.6 ± 2.0	17.6 ± 4.8
N10-EFF	07-OCT-2003	P230251	4.8 ± 1.8	12.9 ± 3.8
N01-PS_INF	11-FEB-2003	P202074	7.0 ± 2.2	12.4 ± 3.6
N01-PS_INF	13-MAY-2003	P211503	4.1 ± 1.9	12.0 ± 3.5
N01-PS_INF	12-AUG-2003	P223405	3.9 ± 1.3	11.3 ± 4.1
N01-PS_INF	07-OCT-2003	P230241	4.2 ± 1.3	9.8 ± 3.4
N01-PEN	11-FEB-2003	P202079	8.3 ± 2.1	10.0 ± 3.2
N01-PEN	13-MAY-2003	P211508	7.4 ± 1.8	14.5 ± 3.9
N01-PEN	12-AUG-2003	P223410	4.4 ± 1.6	18.5 ± 3.1
N01-PEN	07-OCT-2003	P230246	4.4 ± 1.3	14.0 ± 3.5
N34-REC WATER	11-FEB-2003	P202094	1.7 ± 0.9	7.4 ± 2.3
N34-REC WATER	13-MAY-2003	P211523	2.7 ± 1.2	5.0 ± 2.0
N34-REC WATER	12-AUG-2003	P223425	1.7 ± 0.9	11.8 ± 3.8
N34-REC WATER	07-OCT-2003	P230261	2.2 ± 1.1	12.5 ± 3.0

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 NR= Not Required

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
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003
			P202074	P211503	P223405	P230241	P202079
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
			13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
			P211508	P223410	P230246	P202084	P211513
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
			12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003
			P223415	P230251	P202089	P211518	P223420
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
			07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
			P230256	P202094	P211523	P223425	P230261
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

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N01-PEN = Penasquitos Pump Station Influent
N34-REC WATER = Reclaimed Water

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			11-FEB-2003 P202074	13-MAY-2003 P211503	12-AUG-2003 P223405	07-OCT-2003 P230241	11-FEB-2003 P202079
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	18	40	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	58	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	18	40	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	76	40	0	0

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			13-MAY-2003 P211508	12-AUG-2003 P223410	07-OCT-2003 P230246	11-FEB-2003 P202084	13-MAY-2003 P211513
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	28	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	28	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	28	0	0	0

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North City Water Reclamation Plant
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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			12-AUG-2003 P223415	07-OCT-2003 P230251	11-FEB-2003 P202089	13-MAY-2003 P211518	12-AUG-2003 P223420
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	22	ND	ND	ND	24
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	22	0	0	0	24
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	22	0	0	0	24

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Chlorinated Pesticides

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			07-OCT-2003 P230256	11-FEB-2003 P202094	13-MAY-2003 P211523	12-AUG-2003 P223425	07-OCT-2003 P230261
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	21	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	21	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	21	0

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North City Water Reclamation Plant
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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003
			P202074	P211503	P223405	P230241	P202089
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	18.3	ND	10.5	13.9	ND
Benzidine	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	18.3	0.0	10.5	13.9	0.0

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	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			13-MAY-2003 P211518	12-AUG-2003 P223420	07-OCT-2003 P230256	11-FEB-2003 P202079	13-MAY-2003 P211508
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	3.0	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	14.1	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	11.0	14.1	0.0	3.0	0.0

Additional Analytes Determined

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			13-MAY-2003 P211518	12-AUG-2003 P223420	07-OCT-2003 P230256	11-FEB-2003 P202079	13-MAY-2003 P211508
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 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
			12-AUG-2003 P223410	07-OCT-2003 P230246	11-FEB-2003 P202084	13-MAY-2003 P211513	12-AUG-2003 P223415
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	3.2
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	17.8	11.5	ND
Benzidine	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	0.0	0.0	17.8	11.5	3.2

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	WATERN34-REC	WATERN34-REC	WATERN34-REC
			07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
			P230251	P202094	P211523	P223425	P230261
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	12.3	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[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	0.0	12.3	0.0	0.0	0.0

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-RECLAIMED
		07-OCT-2003 P230241	07-OCT-2003 P230256	07-OCT-2003 P230246	07-OCT-2003 P230251	07-OCT-2003 P230261
Demeton O	.2 UG/L	ND	ND	ND	ND	ND
Demeton S	.07 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	0.000	0.000	0.000	0.000	0.000
Demeton -O, -S	.2 UG/L	0.000	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.2 UG/L	0.000	0.000	0.000	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	.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	.07 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	.07 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	.2 UG/L	NA	NA	NA	NA	NA
Chlorpyrifos	.07 UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed
ND= Not Detected
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

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
Date:	MDL Units	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003
=====	=====	P202074	P211503	P223405	P230241	P202089
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	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
=====	=====	P211518	P223420	P230256	P202079	P211508
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	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003
=====	=====	P223410	P230246	P202084	P211513	P223415
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	07-OCT-2003	11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003
=====	=====	P230251	P202094	P211523	P223425	P230261
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
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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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			11-FEB-2003	13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003
			P202074	P211503	P223405	P230241	P202089
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	13.90	12.90	15.40	11.90	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	13.90	12.90	15.40	11.90	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	13.90	12.90	15.40	11.90	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	66.30	63.30	41.30	35.40	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
			13-MAY-2003	12-AUG-2003	07-OCT-2003	11-FEB-2003	13-MAY-2003
			P211518	P223420	P230256	P202079	P211508
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	16.70	7.50
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	16.70	7.50
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	16.70	7.50
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	46.20	29.60
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

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N01-PEN = Penasquitos Pump Station Influent
N34-REC = Reclaimed Water

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Phenolic Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			12-AUG-2003 P223410	07-OCT-2003 P230246	11-FEB-2003 P202084	13-MAY-2003 P211513	12-AUG-2003 P223415
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	4.50	ND	11.10	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	4.50	0.00	11.10	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	0.00	4.50	0.00	11.10	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	ND	ND	51.00	43.90	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N34-REC	N34-REC	N34-REC	N34-REC
			07-OCT-2003 P230251	11-FEB-2003 P202094	13-MAY-2003 P211523	12-AUG-2003 P223425	07-OCT-2003 P230261
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	11.10	ND	ND	ND	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	11.10	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	11.10	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	15.70	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

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Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			12-FEB-2003	14-MAY-2003	13-AUG-2003	08-OCT-2003	12-FEB-2003
			P202077	P211506	P223408	P230244	P202092
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	1.1	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	ND	6.6	3.9	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	4.2	7.5	3.4	7.8	65.6
1,2-dichloroethane	1	UG/L	1.2	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	56.0
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	36.1
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	ND
Bromoform	1	UG/L	ND	ND	ND	ND	4.3
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	1.1	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	ND	1.4	ND	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	1.1	0.0	0.0	96.4
Purgeable Compounds	13.8	UG/L	5.4	10.0	10.0	12.8	162.0
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	1.05#	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	1280.0	551.0	1090.0	1490.0	ND
Carbon disulfide	1	UG/L	2.4	11.8	2.9	2.2	ND
2-butanone	4	UG/L	ND	ND	ND	21.6#	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			14-MAY-2003 P211521	13-AUG-2003 P223423	08-OCT-2003 P230259	12-FEB-2003 P202082	14-MAY-2003 P211511
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	ND	<1.0	2.5	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	9.9	118.0	51.2	2.8	3.4
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	8.1	95.5	55.5	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	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	6.2	63.0	40.4	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	2.2	8.3	5.1	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	9.2	1.8
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND	ND	10.0
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	16.5	166.8	101.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	26.4	284.8	152.2	14.5	15.2
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	1.04#	ND	ND	ND	1.19#
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	ND	180.0	152.0
Carbon disulfide	1	UG/L	ND	ND	ND	4.0	12.0
2-butanone	4	UG/L	ND	ND	5.49#	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	1.6

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			13-AUG-2003 P223413	08-OCT-2003 P230249	12-FEB-2003 P202087	14-MAY-2003 P211516	13-AUG-2003 P223418
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	1.1	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	2.0	1.8	2.4	ND	5.3
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	5.1	4.2	4.1	6.8	3.7
1,2-dichloroethane	1	UG/L	ND	ND	1.4	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	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	ND	1.0	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	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	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	3.3	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	2.1	2.2	ND	8.6	2.0
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	0.0
Purgeable Compounds	13.8	UG/L	9.2	12.5	7.9	16.5	11.0
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	<20.0	195	762	715	1060
Carbon disulfide	1	UG/L	1.8	3.0	3.5	48.3	6.2
2-butanone	4	UG/L	ND	10#	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N10-EFF	N34-REC	N34-REC	N34-REC	N34-REC
			08-OCT-2003 P230254	12-FEB-2003 P202097	14-MAY-2003 P211526	13-AUG-2003 P223428	08-OCT-2003 P230264
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	3.3	ND	ND	ND	1.5
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	4.8	77.3	24.5	118.0	72.2
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	50.9	24.8	92.9	65.1
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	25.4	24.9	56.4	40.6
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	2.3	5.3	6.7	4.9
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	1.3	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.9	ND	ND	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	78.6	55.0	156.0	110.6
Purgeable Compounds	13.8	UG/L	11.3	155.9	79.5	274.0	184.3
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	1000	ND	ND	ND	ND
Carbon disulfide	1	UG/L	5.5	ND	ND	1.3	ND
2-butanone	4	UG/L	12.4#	ND	ND	ND	8.79#
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND

* = The recovery of MIBK for the spike and the check sample was zero, the data for MBIK is rejected.

=Analyte failed QC, method blank above the MDL. Data is non-reportable, and is shown for review only

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

