

VI. Annual Pretreatment Program Sludge Analysis

2001 Annual Pretreatment Program Sludge Analysis
(QUARTERLY SLUDGE PROJECT)

POINT LOMA WASTEWATER TREATMENT PLANT
ORDER NO. 95-106

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 2001, composite sampling on February 6-7, May 8-9, August 8-9, and October 9-10, 2001 grab samples taken the next 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 from February 1, 1999 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; composite samples were compiled from grabs collected every 2 hours for the 24 hours of the sampling program each quarter.

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), 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	Tijuana interceptor	NCWRP	North City Water Reclamation Plant
INTERCEPT	No flow for entire year, no samples exc.		
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 & Metro Biosolids Center sources

POINT LOMA WASTEWATER TREATMENT PLANT
2001 Quarterly Sludge Project
Physical/Aggregate Properties Report
Point Loma

Analyte	MDL	Units	PLR	PLR	PLR	PLR
			GRAB	GRAB	GRAB	GRAB
			7-Feb-01	9-May-01	8-Aug-01	10-Oct-01
Grease/oil (grab sample)	1.4	mg/L	37	38.5	40	18.3
pH (grab sample)		pH Units	7.51	7.33	7.36	7.43

Analyte	MDL	Units	PLR	PLR	PLR	PLR
			COMPOSIT	COMPOSIT	COMPOSIT	COMPOSIT
			E	E	E	E
			6-Feb-01	8-May-01	7-Aug-01	9-Oct-01
Conductivity	10	umhos/cm	2650	2770	2340	2670
Total Suspended Solids	1.6	mg/L	287	281	264	259
Volatile Suspended Solids	1.6	mg/L	232	228	215	228
Total Alkalinity (bicarbonate)	8	mg/L	298	297	283	281
Total Solids	100	mg/L	1840	1930	1630	1800
Total Kjeldahl Nitrogen	2.7	mg/L	76	40	49	58
BOD (Biochemical Oxygen Demand)	2	mg/L	257	262*	254	250
Chemical Oxygen Demand	22	mg/L	647	640	569	514
Ammonia-N	0.2	mg/L	29.9	29.1	28.6	28.6
Total Volatile Solids	100	mg/L	478	547	453	485
Turbidity		NTU	130	150	140	150
Total Dissolved Solids	42	mg/L	1510	1620	1210	1450
MBAS (Surfactants)	0.03	mg/L	11	7	11	7

Analyte	MDL	Units	PLE	PLE	PLE	PLE
			GRAB	GRAB	GRAB	GRAB
			7-Feb-01	9-May-01	8-Aug-01	10-Oct-01
Grease/oil (grab sample)	1.4	mg/L	7.4	9.3	15.2	6.7
pH (grab sample)		pH Units	7.39	7.34	7.27	7.53

Analyte	MDL	Units	PLE	PLE	PLE	PLE
			COMPOSIT	COMPOSIT	COMPOSIT	COMPOSIT
			E	E	E	E
			6-Feb-01	8-May-01	7-Aug-01	9-Oct-01
Conductivity	10	umhos/cm	2810	2790	2380	2650
Total Suspended Solids	1.6	mg/L	37	42	43	45
Volatile Suspended Solids	1.6	mg/L	26	29	31	36
Total Alkalinity (bicarbonate)	8	mg/L	279	280	260	262
Total Solids	100	mg/L	1670	1690	1430	1600
Total Kjeldahl Nitrogen	2.7	mg/L	39	33	32	35
BOD (Biochemical Oxygen Demand)	2	mg/L	83	114*	107	85
Chemical Oxygen Demand	22	mg/L	234	240	223	206
Ammonia-N	0.2	mg/L	32.5	29.1	29.1	28.6
Total Volatile Solids	100	mg/L	264	331	280	300
Turbidity		NTU	35	48	39	42
Total Dissolved Solids	42	mg/L	1600	1650	1280	1500
MBAS (Surfactants)	0.03	mg/L	7	11	8	4

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

*=Batches failed QC (See below). Data is non-reportable for compliance purposes, is shown for review only, and is not included in averages.

08-MAY-2001 BOD Check sample value 236, True Value =198 Range=167.5-228.5

POINT LOMA WASTEWATER TREATMENT PLANT

2001 Quarterly Sludge Project

Physical/Aggregate Properties Report

Point Loma

Analyte	MDL Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Total Alkalinity (bicarbonate)	8 mg/L	851	828	822	877
Total Solids	Wt%	4.53	3.80	4.33	4.13
Total Volatile Solids	Wt%	77	77	77	76
Total Kjeldahl Nitrogen	.1 Wt%	3.2	5.9	3.1	3.7
pH	pH Units	6.46	6.38	6.38	6.30

Analyte	MDL Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Total Alkalinity (bicarbonate)	8 mg/L	3510	2970	3130	3020
Total Solids	Wt%	2.19	2.18	2.18	1.95
Total Volatile Solids	Wt%	56	57	58	55
Total Kjeldahl Nitrogen	.1 Wt%	6.7	6.3	6.5	6.8
pH	pH Units	7.32	7.35	7.34	7.46

TJ INTERCEPT

2001 Quarterly Sludge Project

Analyte	MDL Units	TJ INTERCEPT	TJ INTERCEPT
		GRAB	COMPOSITE
		2001	2001
Conductivity	10 umhos/cm	NS#	NS#
Grease/oil (grab sample)	1.4 mg/L	NS#	NS#
Total Suspended Solids	1.6 mg/L	NS#	NS#
Volatile Suspended Solids	1.6 mg/L	NS#	NS#
Total Alkalinity (bicarbonate)	8 mg/L	NS#	NS#
Volatile Organic Acids	mg/L	NS#	NS#
Total Solids	100 mg/L	NS#	NS#
Total Solids	Wt%	NS#	NS#
Total Volatile Solids	Wt%	NS#	NS#
Total Kjeldahl Nitrogen	2.7 mg/L	NS#	NS#
Total Kjeldahl Nitrogen	.1 Wt%	NS#	NS#
BOD (Biochemical Oxygen Demand)	2 mg/L	NS#	NS#
Chemical Oxygen Demand	mg/kg	NS#	NS#
Chemical Oxygen Demand	22 mg/L	NS#	NS#
pH	pH Units	NS#	NS#
pH (grab sample)	pH Units	NS#	NS#
Ammonia-N	.2 mg/L	NS#	NS#
Total Volatile Solids	100 mg/L	NS#	NS#
Total Organic Carbon	mg/L	NS#	NS#
Turbidity	NTU	NS#	NS#
Total Dissolved Solids	42 mg/L	NS#	NS#
MBAS (Surfactants)	.03 mg/L	NS#	NS#

#=There was no flow of wastewater through the Tijuana Interceptor for 2001, according to the International Boundary Water Commission staff reports and our flow meter monitoring data. For most of the year, samples could not be obtained. What limited data there may be is not considered representative of wastewater.

POINT LOMA WASTEWATER TREATMENT PLANT
2001 Quarterly Sludge Project
Physical/Aggregate Properties Report

MBC

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			GRAB	GRAB	GRAB	GRAB
			7-Feb-01	9-May-01	8-Aug-01	10-Oct-01
Grease/oil (grab sample)	1.4	mg/L	ND	ND	47.1	1.5
pH (grab sample)		pH Units	7.63	7.65	7.2	7.64

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			N	COMPOSITE	COMPOSITE	COMPOSITE
			6-Feb-01	8-May-01	7-Aug-01	11-Oct-01
Conductivity	10	umhos/cm	5470	5110	4990	4360
Total Suspended Solids	1.6	mg/L	440	650	450	980
Volatile Suspended Solids	1.6	mg/L	348	510	302	800
Total Alkalinity (bicarbonate)	8	mg/L	1540	1270	1140	1260
Total Solids		Wt%	0.26	0.3	0.33	0.32
Total Volatile Solids		Wt%	34	44	51	51
Total Kjeldahl Nitrogen	2.7	mg/L	355	346	307	314
BOD (Biochemical Oxygen Demand)	2	mg/L	373	350	288	343
Chemical Oxygen Demand	22	mg/L	753	1120	701	1350
pH		pH Units	7.59	7.94	7.76	8.03
Ammonia-N	0.2	mg/L	358	301	286	258

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			6-Feb-01	8-May-01	7-Aug-01	9-Oct-01
Total Suspended Solids	1.6	mg/L	4500	3680	3370	1420
Volatile Suspended Solids	1.6	mg/L	4000	3200	3100	1220
Total Alkalinity (bicarbonate)	8	mg/L	390	340	363	825
Total Solids		Wt%	0.64	0.56	0.51	0.38
Total Volatile Solids		Wt%	76	73	70	53
Total Kjeldahl Nitrogen	2.7	mg/L	279	217	257	1970
pH		pH Units	6.72	7.01	7.02	6.07

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			6-Feb-01	8-May-01	7-Aug-01	9-Oct-01
Total Alkalinity (bicarbonate)	8	mg/L	1810	1660	2280	2150
Total Solids		Wt%	2.46	1.76	2.48	2.67
Total Volatile Solids		Wt%	65	68	69	70
Total Kjeldahl Nitrogen	2.7	mg/L	1750	1470	1910	2010
pH		pH Units	7.05	7.07	7.15	7.16

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			28-Feb-01	31-May-01	31-Aug-01	31-Oct-01
Total Solids		Wt%	28.7	28.9	28.6	27
Total Volatile Solids		Wt%	47	45	46	46
Total Kjeldahl Nitrogen	0.04	Wt%	4.4	4.1	4.2	4.3
pH		pH Units	8.2	7.87	7.82	7.96

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-2001 To: 31-DEC-2001

Source:		PLE	PLE	PLE	PLE
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P96934	P106670	P115641	P120742
=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	86	223	83	185
Antimony	23 UG/L	36	28	ND	26
Arsenic	0.18 UG/L	0.84	0.84	0.89	0.29
Barium	10 UG/L	32	36	34	36
Beryllium	0.4 UG/L	ND	ND	ND	ND
Boron	15 UG/L	435	467	284	448
Cadmium	1 UG/L	ND	ND	ND	<1.0
Chromium	5 UG/L	11.6	<5.0	ND	ND
Cobalt	4 UG/L	ND	ND	<4.0	ND
Copper	4 UG/L	98	63	185	121
Iron	30 UG/L	4240	4780	3690	4090
Lead	18 UG/L	ND	ND	ND	ND
Manganese	4 UG/L	167	171	158	241
Mercury	0.27 UG/L	ND	ND	<0.27	ND
Molybdenum	3 UG/L	<3.0	12.4	5.5	7.5
Nickel	14 UG/L	ND	ND	ND	ND
Selenium	0.4 UG/L	1.35	1.06	1.19	0.58
Silver	6.6 UG/L	ND	<6.6	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND
Zinc	4 UG/L	34	41	30	22
Bromide	.02 MG/L	1.38	1.51	1.17	1.40
Chloride	.8 MG/L	580	580	459	554
Fluoride	.03 MG/L	0.64	0.60	0.77	0.93
Nitrate	.03 MG/L	ND	0.17	0.17	1.04
Ortho Phosphate	.05 MG/L	ND	0.86	1.52	1.90
Sulfate	.5 MG/L	270	266	238	262
Calcium	.08 MG/L	83	81	94	81
Lithium	.01 MG/L	0.05	0.07	0.06	0.07
Magnesium	.02 MG/L	49	49	39	49
Potassium	2 MG/L	29	29	18	30
Sodium	.3 MG/L	338	338	208	335
Calcium Hardness	.2 MG/L	208	201	234	203
Magnesium Hardness	.08 MG/L	200	201	162	203
Total Hardness	.22 MG/L	408	402	395	406
Cyanides, Total	.002 MG/L	0.006	0.003	0.005	<0.002
Sulfides-Total	.1 MG/L	1.32	0.21	1.24	2.12
Sulfides-Reactive	490 MG/KG	NR	NR	NR	NR
Total Kjeldahl Nitrogen	2.7 MG/L	39.1	33.3	31.8	35.3
=====	=====	=====	=====	=====	=====

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-2001 To: 31-DEC-2001

Source:		PLR	PLR	PLR	PLR
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P96939	P106675	P115646	P120747
=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1570	1860	1680	1640
Antimony	23 UG/L	ND	43	ND	<23
Arsenic	0.18 UG/L	1.30	1.20	1.40	1.03
Barium	10 UG/L	114	128	121	114
Beryllium	0.4 UG/L	ND	ND	ND	ND
Boron	15 UG/L	587	598	517	543
Cadmium	1 UG/L	<1.0	1.5	2.5	<1.0
Chromium	5 UG/L	16.4	11.1	6.4	<5.0
Cobalt	4 UG/L	ND	ND	ND	ND
Copper	4 UG/L	185	152	327	234
Iron	30 UG/L	7190	7050	6000	6110
Lead	18 UG/L	ND	ND	ND	ND
Manganese	4 UG/L	164	159	144	218
Mercury	0.27 UG/L	ND	ND	0.34	ND
Molybdenum	3 UG/L	8.8	10.7	9.6	<3.0
Nickel	14 UG/L	17	<14	ND	ND
Selenium	0.40 UG/L	1.67	1.37	1.61	1.07
Silver	6.6 UG/L	ND	<6.6	8.1	ND
Thallium	40 UG/L	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	<7.0	7.1
Zinc	4 UG/L	142	157	277	142
Bromide	.02 MG/L	1.39	1.37	1.18	1.40
Chloride	.8 MG/L	531	566	445	541
Fluoride	.03 MG/L	0.58	0.94	0.72	0.94
Nitrate	.03 MG/L	0.42	0.42	0.21	1.00
Ortho Phosphate	.05 MG/L	5.84	5.63	6.35	6.46
Sulfate	.5 MG/L	275	274	245	271
Calcium	.08 MG/L	84	93	90	86
Lithium	.01 MG/L	0.06	0.04	0.06	0.06
Magnesium	.02 MG/L	46	54	46	51
Potassium	2 MG/L	29	34	24	31
Sodium	.3 MG/L	304	358	299	347
Calcium Hardness	.2 MG/L	209	232	225	215
Magnesium Hardness	.08 MG/L	191	222	187	209
Total Hardness	.22 MG/L	400	454	412	424
Cyanides,Total	.002 MG/L	0.006	0.002	0.005	ND
Sulfides-Total	.1 MG/L	1.67	2.69	1.21	2.28
Sulfides-Reactive	490 MG/KG	NR	NR	NR	NR
Total Kjeldahl Nitrogen	2.7 MG/L	76.1	39.7	48.6	58.0
=====	=====	=====	=====	=====	=====

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-2001 To: 31-DEC-2001

Source:	TJ INTERCEPT		
Date:	06-FEB-2001		
Sample ID:	MDL Units		
=====	=====	=====	=====
Aluminum	50 UG/L		NS*
Antimony	23 UG/L		NS*
Arsenic	0.18 UG/L		NS*
Barium	10 UG/L		NS*
Beryllium	0.4 UG/L		NS*
Boron	15 UG/L		NS*
Cadmium	1 UG/L		NS*
Chromium	5 UG/L		NS*
Cobalt	4 UG/L		NS*
Copper	4 UG/L		NS*
Iron	30 UG/L		NS*
Lead	18 UG/L		NS*
Manganese	4 UG/L		NS*
Mercury	0.27 UG/L		NS*
Molybdenum	3 UG/L		NS*
Nickel	14 UG/L		NS*
Selenium	0.40 UG/L		NS*
Silver	6.6 UG/L		NS*
Thallium	40 UG/L		NS*
Vanadium	7 UG/L		NS*
Zinc	4 UG/L		NS*
Bromide	.02 MG/L		NS*
Chloride	.8 MG/L		NS*
Fluoride	.03 MG/L		NS*
Nitrate	.03 MG/L		NS*
Ortho Phosphate	.05 MG/L		NS*
Sulfate	.5 MG/L		NS*
Calcium	.08 MG/L		NS*
Lithium	.01 MG/L		NS*
Magnesium	.02 MG/L		NS*
Potassium	2 MG/L		NS*
Sodium	.3 MG/L		NS*
Calcium Hardness	.2 MG/L		NS*
Magnesium Hardness	.08 MG/L		NS*
Total Hardness	.22 MG/L		NS*
Cyanides, Total	.002 MG/L		NS*
Sulfides-Total	.1 MG/L		NS*
Sulfides-Reactive	13200 MG/KG		NS*
Total Kjeldahl Nitrogen	2.7 MG/L		NS*
=====	=====	=====	=====

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

*NOTE: According to the International Boundary Water Commission's staff reports and our flow meter section's data, there was very little flow of wastewater through the Tijuana Interceptor for 2001. Consequently, for most of the year samples could not be obtained. What limited data there may be is considered to be "non-representative".

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

From: 01-JAN-2001 To: 31-DEC-2001

Source:		MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	11-OCT-2001
Sample ID:	MDL Units	P96949	P106685	P115656	P120757
=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	2690	3760	1660	8250
Antimony	23 UG/L	39	ND	51	48
Arsenic	0.18 UG/L	6.71	6.54	6.06	9.17
Barium	10 UG/L	170	208	131	368
Beryllium	0.4 UG/L	ND	ND	ND	ND
Boron	15 UG/L	595	629	507	587
Cadmium	1 UG/L	<1.0	ND	<1.0	3.8
Chromium	5 UG/L	84.0	27.8	ND	29.0
Cobalt	4 UG/L	<4.0	<4.0	<4.0	ND
Copper	4 UG/L	255	293	214	435
Iron	30 UG/L	55200	56500	60900	64500
Lead	18 UG/L	ND	<18	<18	ND
Manganese	4 UG/L	1080	854	1600	1710
Mercury	0.27 UG/L	<1.08	<0.27	ND	0.79
Molybdenum	3 UG/L	7.2	13.2	9.8	6.3
Nickel	14 UG/L	54	36	22	39
Selenium	0.40 UG/L	3.38	3.43	2.37	5.03
Silver	6.6 UG/L	7.6	<6.6	ND	10.7
Thallium	40 UG/L	ND	ND	ND	ND
Vanadium	7 UG/L	ND	9.0	ND	20.0
Zinc	4 UG/L	227	245	105	470
Bromide	.02 MG/L	0.93	0.95	1.21	1.06
Chloride	.8 MG/L	734	742	846	692
Fluoride	.03 MG/L	0.32	0.49	0.55	0.44
Nitrate	.03 MG/L	5.19	9.63	15.80	14.70
Ortho Phosphate	.05 MG/L	ND	ND	ND	2.64
Sulfate	.5 MG/L	91	100	70	80
Calcium	.08 MG/L	175	167	187	166
Lithium	.01 MG/L	0.05	0.05	0.03	0.06
Magnesium	.02 MG/L	54	59	57	58
Potassium	2 MG/L	49	52	49	49
Sodium	.3 MG/L	252	287	256	271
Calcium Hardness	.2 MG/L	435	417	467	413
Magnesium Hardness	.08 MG/L	223	245	236	239
Total Hardness	.22 MG/L	658	661	702	653
Cyanides, Total	.002 MG/L	0.129	0.109	0.006	0.004
Sulfides-Total	.1 MG/L	ND	ND	ND	2.44
Sulfides-Reactive	490 MG/KG	NR	NR	NR	NR
Total Kjeldahl Nitrogen	2.7 MG/L	355.0	346.0	307.0	314.0
=====	=====	=====	=====	=====	=====

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

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

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

From: 01-JAN-2001 To: 31-DEC-2001

Source:		MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P97009	P106745	P115716	P120817
=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L	316000	233000	358000	430000
Antimony	230 UG/L	474	<230	575	625
Arsenic	18 UG/L	114.00	78.20	134.00	191.00
Barium	100 UG/L	10700	7030	11800	12100
Beryllium	3.9 UG/L	<3.90	<3.90	<3.90	<3.90
Boron	150 UG/L	1430	1060	3040	2950
Cadmium	10 UG/L	34.3	18.5	<10.0	22.5
Chromium	50 UG/L	1290.0	1040.0	1140.0	711.0
Cobalt	40 UG/L	55.0	<40.0	57.5	<40.0
Copper	40 UG/L	12700	10400	17400	18600
Iron	300 UG/L	1650000	1060000	1340000	1280000
Lead	180 UG/L	685	<180	465	330
Manganese	40 UG/L	16400	9700	19500	26700
Mercury	6.75 UG/L	33.60	20.60	21.50	39.50
Molybdenum	30 UG/L	333.0	354.0	483.0	308.0
Nickel	140 UG/L	844	385	885	1010
Selenium	40 UG/L	94.90	76.60	111.00	139.00
Silver	66 UG/L	735.0	604.0	935.0	904.0
Thallium	400 UG/L	<400	<400	<400	<400
Vanadium	70 UG/L	373.0	205.0	397.0	344.0
Zinc	40 UG/L	11900	8610	13500	12800
Bromide	.02 MG/L	0.53	0.61	0.80	0.68
Chloride	.8 MG/L	1680	1700	1120	1510
Fluoride	.03 MG/L	0.70	1.06	0.28	0.24
Nitrate	.03 MG/L	3.08	18.50	25.40	12.70
Ortho Phosphate	.05 MG/L	ND	ND	1.18	1.18
Sulfate	.5 MG/L	44	61	83	105
Calcium	.08 MG/L	68	131	74	43
Lithium	.01 MG/L	0.07	0.06	0.03	0.07
Magnesium	.02 MG/L	47	67	87	66
Potassium	2 MG/L	44	80	82	60
Sodium	.3 MG/L	153	209	338	210
Calcium Hardness	.2 MG/L	NR	NR	NR	NR
Magnesium Hardness	.08 MG/L	NR	NR	NR	NR
Total Hardness	.22 MG/L	NR	NR	NR	NR
Cyanides, Total	.002 MG/L	0.034	0.008	0.021	0.024
Sulfides-Total	.1 MG/L	157.00	118.00	169.00	488.00
Sulfides-Reactive	490 MG/KG	6300	8180	6750	<1870
Total Kjeldahl Nitrogen	2.7 MG/L	1750.0	1470.0	1910.0	2010.0
=====	=====	=====	=====	=====	=====

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

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

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

From: 01-JAN-2001 To: 31-DEC-2001

Source:		MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P97007	P106743	P115714	P120815
=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L	43900	41000	56400	467000
Antimony	230 UG/L	<230	<230	295	<230
Arsenic	18 UG/L	14.10	15.50	28.50	136.00
Barium	100 UG/L	1680	1120	1480	12600
Beryllium	3.9 UG/L	<3.90	<3.90	<3.90	<3.90
Boron	150 UG/L	690	495	1050	1590
Cadmium	10 UG/L	<10.0	<10.0	<10.0	42.0
Chromium	50 UG/L	89.4	87.5	92.0	580.0
Cobalt	40 UG/L	<40.0	<40.0	<40.0	<40.0
Copper	40 UG/L	2310	1920	2870	19500
Iron	300 UG/L	97100	94200	104000	1370000
Lead	180 UG/L	<180	<180	195	<180
Manganese	40 UG/L	3050	2130	4640	28400
Mercury	6.75 UG/L	6.79	<6.75	<6.75	33.40
Molybdenum	30 UG/L	<30.0	87.5	58.0	356.0
Nickel	140 UG/L	<140	<140	<140	1160
Selenium	40 UG/L	15.80	12.90	19.20	26.60
Silver	66 UG/L	187.0	<66.0	200.0	1010.0
Thallium	400 UG/L	<400	<400	<400	<400
Vanadium	70 UG/L	<70.0	<70.0	<70.0	297.0
Zinc	40 UG/L	1720	2040	1690	13600
Bromide	.02 MG/L	0.22	0.43	0.60	0.66
Chloride	.8 MG/L	318	408	388	1390
Fluoride	.03 MG/L	0.26	0.38	0.34	0.98
Nitrate	.03 MG/L	ND	1.26	1.70	4.35
Ortho Phosphate	.05 MG/L	58.60	36.10	44.70	0.66
Sulfate	.5 MG/L	66	49	33	47
Calcium	.08 MG/L	122	99	102	46
Lithium	.01 MG/L	0.04	0.04	0.06	0.07
Magnesium	.02 MG/L	40	40	40	66
Potassium	2 MG/L	28	26	29	60
Sodium	.3 MG/L	162	193	186	211
Calcium Hardness	.2 MG/L	NR	NR	NR	NR
Magnesium Hardness	.08 MG/L	NR	NR	NR	NR
Total Hardness	.22 MG/L	NR	NR	NR	NR
Cyanides,Total	.002 MG/L	0.024	0.010	0.012	0.021
Sulfides-Total	.1 MG/L	40.90	50.80	34.30	480.00
Sulfides-Reactive	490 MG/KG	8690	10900	16200	15000
Total Kjeldahl Nitrogen	2.7 MG/L	279.0	217.0	257.0	1970.0
=====	=====	=====	=====	=====	=====

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

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

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

From: 01-JAN-2001 To: 31-DEC-2001

Source:		RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P96979	P106715	P115686	P120787
=====	=====	=====	=====	=====	=====
Aluminum	28.9 MG/KG	5290	7700	5320	6010
Antimony	132 MG/KG	ND	<132	ND	ND
Arsenic	.64 MG/KG	1.17	1.91	1.75	1.67
Barium	1.32 MG/KG	253	378	274	297
Beryllium	.53 MG/KG	ND	<0.5	ND	ND
Boron	3.95 MG/KG	24	21	77	NA
Cadmium	13.2 MG/KG	ND	<13	ND	ND
Chromium	18.4 MG/KG	29	33	23	27
Cobalt	7.36 MG/KG	ND	<7.4	ND	ND
Copper	10.5 MG/KG	244	379	289	290
Iron	15.8 MG/KG	38000	45600	36800	40800
Lead	76.3 MG/KG	ND	<76	ND	ND
Manganese	2.1 MG/KG	139	146	135	282
Mercury	.76 MG/KG	0.83	0.57	0.48	<0.38
Molybdenum	7.36 MG/KG	5.1	10.8	9.7	5.8
Nickel	10.5 MG/KG	16	25	24	19
Selenium	1.5 MG/KG	1.41	1.87	1.61	1.23
Silver	7.89 MG/KG	14	<9	17	12
Thallium	60.5 MG/KG	ND	<61	ND	ND
Vanadium	3.95 MG/KG	12	15	12	22
Zinc	132 MG/KG	378	585	503	431
Bromide	1 MG/KG	32.0	27.6	29.5	26.6
Chloride	80 MG/KG	13600	17400	13500	14600
Fluoride	.2 MG/KG	18.1	17.6	19.5	21.3
Nitrate	1 MG/KG	ND	ND	64.50	218.00
Ortho Phosphate	3 MG/KG	31.3	311.0	61.1	245.0
Sulfate	5 MG/KG	1500	1620	1060	1930
Calcium	MG/KG	NR	NR	NR	NR
Lithium	MG/KG	NR	NR	NR	NR
Magnesium	MG/KG	NR	NR	NR	NR
Potassium	MG/KG	NR	NR	NR	NR
Sodium	MG/KG	NR	NR	NR	NR
Cyanides, Total	.1 MG/KG	7.85	2.35	4.86	4.91
Cyanide, Releaseable	.11 MG/KG	0.32	0.48	0.42	0.17
Sulfides-Total	50 MG/KG	7220	13900	11800	21700
Sulfides-Reactive	490 MG/KG	4250	7230	2860	1970
Total Kjeldahl Nitrogen	.1 WT%	3.16	5.86	3.08	3.67
=====	=====	=====	=====	=====	=====

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

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

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

From: 01-JAN-2001 To: 31-DEC-2001

Source:		DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P96993	P106729	P115700	P120801
=====	=====	=====	=====	=====	=====
Aluminum	28.9 MG/KG	12700	10800	10200	10600
Antimony	132 MG/KG	ND	<115	ND	ND
Arsenic	.64 MG/KG	3.75	5.24	4.89	5.46
Barium	1.32 MG/KG	582	511	543	525
Beryllium	.53 MG/KG	ND	<0.5	ND	ND
Boron	3.95 MG/KG	44	37	145	154
Cadmium	13.2 MG/KG	ND	<12	ND	ND
Chromium	18.4 MG/KG	63	63	60	48
Cobalt	7.36 MG/KG	ND	<6.4	ND	ND
Copper	10.5 MG/KG	533	498	552	525
Iron	15.8 MG/KG	64200	64100	63300	70600
Lead	76.3 MG/KG	37	<66	ND	ND
Manganese	2.1 MG/KG	219	207	216	239
Mercury	.76 MG/KG	0.62	0.43	0.78	1.03
Molybdenum	7.36 MG/KG	12.0	11.8	7.2	13.0
Nickel	10.5 MG/KG	39	31	36	32
Selenium	1.5 MG/KG	3.07	4.17	2.46	3.47
Silver	7.89 MG/KG	33	19	33	22
Thallium	60.5 MG/KG	ND	<53	ND	ND
Vanadium	3.95 MG/KG	31	24	28	33
Zinc	132 MG/KG	810	760	788	798
Bromide	1 MG/KG	83.6	85.8	76.4	91.8
Chloride	80 MG/KG	26100	28000	24500	32500
Fluoride	.2 MG/KG	40.0	ND	30.1	62.1
Nitrate	1 MG/KG	186.00	321.00	190.00	562.00
Ortho Phosphate	3 MG/KG	185.0	909.0	114.0	700.0
Sulfate	5 MG/KG	2630	3070	2360	4430
Calcium	MG/KG	NR	NR	NR	NR
Lithium	MG/KG	NR	NR	NR	NR
Magnesium	MG/KG	NR	NR	NR	NR
Potassium	MG/KG	NR	NR	NR	NR
Sodium	MG/KG	NR	NR	NR	NR
Cyanides, Total	.1 MG/KG	19.40	5.88	5.82	12.50
Cyanide, Releaseable	.11 MG/KG	1.02	0.86	ND	0.38
Sulfides-Total	50 MG/KG	8440	27700	28500	36600
Sulfides-Reactive	490 MG/KG	6740	12800	6920	3350
Total Kjeldahl Nitrogen	.1 WT%	6.74	6.33	6.45	6.76
=====	=====	=====	=====	=====	=====

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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-2001 To: 31-DEC-2001

Source:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:		28-FEB-2001	31-MAY-2001	31-AUG-2001	31-OCT-2001
Sample ID:	MDL Units	P99299	P109269	P117963	P123046
=====	=====	=====	=====	=====	=====
Aluminum	11 MG/KG	15400	11700	11900	12900
Antimony	50 MG/KG	ND	ND	ND	ND
Arsenic	0.08 MG/KG	8.58	5.64	6.41	7.47
Barium	0.5 MG/KG	606	500	401	531
Beryllium	0.2 MG/KG	ND	ND	ND	ND
Boron	1.5 MG/KG	24	31	34	20
Cadmium	5 MG/KG	ND	ND	ND	ND
Chromium	7 MG/KG	76	78	64	65
Cobalt	2.8 MG/KG	ND	ND	ND	ND
Copper	4 MG/KG	588	602	579	652
Iron	6 MG/KG	76200	87700	85100	88100
Lead	29 MG/KG	ND	ND	<29	ND
Manganese	0.8 MG/KG	325	329	366	415
Mercury	0.38 MG/KG	0.76	1.01	1.15	1.05
Molybdenum	2.8 MG/KG	9.0	7.5	10.7	20.0
Nickel	4 MG/KG	45	46	36	39
Selenium	0.19 MG/KG	4.55	3.43	3.83	4.83
Silver	3 MG/KG	33	29	28	30
Thallium	23 MG/KG	ND	ND	ND	ND
Vanadium	1.5 MG/KG	32	26	27	37
Zinc	50 MG/KG	864	805	806	874
Bromide	1 MG/KG	NR	NR	NR	NR
Chloride	80 MG/KG	NR	NR	NR	NR
Fluoride	.2 MG/KG	NR	NR	NR	NR
Nitrate	1 MG/KG	NR	NR	NR	NR
Ortho Phosphate	3 MG/KG	NR	NR	NR	NR
Sulfate	5 MG/KG	NR	NR	NR	NR
Calcium	MG/KG	NR	NR	NR	NR
Lithium	MG/KG	NR	NR	NR	NR
Magnesium	MG/KG	NR	NR	NR	NR
Potassium	MG/KG	NR	NR	NR	NR
Sodium	MG/KG	NR	NR	NR	NR
Cyanides, Total	.1 MG/KG	1.82	1.88	2.09	3.49
Cyanide, Releaseable	.11 MG/KG	ND	ND	0.26	ND
Sulfides-Total	50 MG/KG	19500	25200	25400	(20200)*
Sulfides-Reactive	490 MG/KG	282	632	966	(346)*
Total Kjeldahl Nitrogen	.1 WT%	4.41	4.14	4.21	4.25
=====	=====	=====	=====	=====	=====

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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

*NOTE: Sample analyzed outside of its hold time, therefore value is unreliable and is provided for informational purposes only.

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

From: 01-JAN-2001 To: 31-DEC-2001

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

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	06-FEB-2001	P96934	2.1 ± 1.3	37.0 ± 4.5
PLE	08-MAY-2001	P106670	1.7 ± 1.4	37.2 ± 4.9
PLE	07-AUG-2001	P115641	0.6 ± 1.4	31.1 ± 4.1
PLE	09-OCT-2001	P120742	1.8 ± 1.5	35.3 ± 4.6
PLE	ANNUAL	AVERAGE	1.6 ± 1.4	35.2 ± 4.5

PLR	06-FEB-2001	P96939	0.6 ± 1.3	34.6 ± 4.6
PLR	08-MAY-2001	P106675	-0.3 ± 1.2	39.2 ± 5.0
PLR	07-AUG-2001	P115646	-1.0 ± 1.1	26.3 ± 4.1
PLR	09-OCT-2001	P120747	0.9 ± 1.4	37.4 ± 4.7
PLR	ANNUAL	AVERAGE	0.1 ± 1.2	34.4 ± 4.6

TJ INTERCEPT	06-FEB-2001		NS*	NS*
TJ INTERCEPT	ANNUAL	AVERAGE	NS*	NS*

MBC_COMBCN	06-FEB-2001	P96949	0.1 ± 1.3	60.4 ± 6.9
MBC_COMBCN	09-MAY-2001	P107455	-1.8 ± 0.9	46.9 ± 7.5
MBC_COMBCN	07-AUG-2001	P115656	-1.2 ± 1.0	53.4 ± 7.7
MBC_COMBCN	11-OCT-2001	P120757	1.3 ± 1.7	61.7 ± 7.2
MBC_COMBCN	ANNUAL	AVERAGE	-0.4 ± 1.2	55.6 ± 7.3

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

*NOTE: According to the International Boundary Water Commission's staff reports and our flow meter section's data, there was very little flow of wastewater through the Tijuana Interceptor for 2001. Consequently, for most of the year samples could not be obtained. What limited data there may be is considered to be "non-representative".

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

From: 01-JAN-2001 To: 31-DEC-2001

Sampled by: ND, A4A, UFH
 Analyzed by: Truesdail Labs Inc.
 Analyzed by: Truesdail Labs Inc.

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
RAW COMP			NR	NR
RAW COMP	ANNUAL	AVERAGE	NR	NR
DIG COMP			NR	NR
DIG COMP	ANNUAL	AVERAGE	NR	NR
MBCDEWCN	28-FEB-2001	P99299	3790 ± 1605	4110 ± 1140
MBCDEWCN	31-MAY-2001	P109269	3830 ± 1535	3180 ± 1095
MBCDEWCN	31-AUG-2001	P117963	4410 ± 1280	2620 ± 1115
MBCDEWCN	31-OCT-2001	P123046	4560 ± 1330	4320 ± 1160
MBCDEWCN	ANNUAL	AVERAGE	4148 ± 1438	3558 ± 1128

Units in picocuries per Kilogram (pCi/Kg)

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 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-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			08-MAY-2001 P106670	07-AUG-2001 P115641	09-OCT-2001 P120742	06-FEB-2001 P96934	08-MAY-2001 P106675	07-AUG-2001 P115646
===== Aldrin	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	20.5	13.5	13.0	16.5	38.0	40.0
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor		NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor		NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	40	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND	ND
===== Heptachlors	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	14	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	30	NG/L	20.5	13.5	13.0	16.5	38.0	40.0
Aldrin + Dieldrin	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	600	NG/L	20.5	13.5	13.0	16.5	38.0	40.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT

QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001	11-OCT-2001	06-FEB-2001
			P120747	P96939	P106685	P115656	P120757	P96949
Aldrin	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	42.0	37.0	ND	ND	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor		NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor		NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	40	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	14	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	30	NG/L	42.0	37.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	600	NG/L	42.0	37.0	0.0	0.0	0.0	0.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
			08-MAY-2001 P106745	07-AUG-2001 P115716	09-OCT-2001 P120817	06-FEB-2001 P97009	08-MAY-2001 P106743	07-AUG-2001 P115714
Aldrin	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	310.0	ND	590.0	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor		NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor		NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	40	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	14	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	30	NG/L	0.0	310.0	0.0	590.0	0.0	0.0
Aldrin + Dieldrin	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	600	NG/L	0.0	310.0	0.0	590.0	0.0	0.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP	RAW COMP	RAW COMP
			09-OCT-2001 P120815	06-FEB-2001 P97007	08-MAY-2001 P106715	07-AUG-2001 P115686	09-OCT-2001 P120787	06-FEB-2001 P96979
Aldrin	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	1000.0	1000.0	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor		NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor		NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	40	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	14	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	30	NG/L	0.0	0.0	1000.0	1000.0	0.0	0.0
Aldrin + Dieldrin	40	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	600	NG/L	0.0	0.0	1000.0	1000.0	0.0	0.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
		08-MAY-2001 P106729	07-AUG-2001 P115700	09-OCT-2001 P120801	06-FEB-2001 P96993
Aldrin	20 NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20 NG/L	ND	ND	ND	ND
BHC, Beta isomer	30 NG/L	ND	ND	ND	ND
BHC, Delta isomer	30 NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10 NG/L	1080.0	ND	ND	ND
Alpha (cis) Chlordane	14 NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	14 NG/L	ND	ND	ND	ND
Alpha Chlordene	NG/L	NA	NA	NA	NA
Gamma Chlordene	NG/L	NA	NA	NA	NA
Cis Nonachlor	NG/L	ND	ND	ND	ND
Dieldrin	40 NG/L	ND	ND	ND	ND
Endosulfan Sulfate	NG/L	ND	ND	ND	ND
Alpha Endosulfan	20 NG/L	ND	ND	ND	ND
Beta Endosulfan	NG/L	ND	ND	ND	ND
Endrin	30 NG/L	ND	ND	ND	ND
Endrin aldehyde	23 NG/L	ND	ND	ND	ND
Heptachlor	3 NG/L	ND	ND	ND	ND
Heptachlor epoxide	30 NG/L	ND	ND	ND	ND
Methoxychlor	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	40 NG/L	ND	ND	ND	ND
o,p-DDT	20 NG/L	ND	ND	ND	ND
Oxychlordane	10 NG/L	ND	ND	ND	ND
PCB 1016	600 NG/L	ND	ND	ND	ND
PCB 1221	NG/L	ND	ND	ND	ND
PCB 1232	NG/L	ND	ND	ND	ND
PCB 1242	70 NG/L	ND	ND	ND	ND
PCB 1248	NG/L	ND	ND	ND	ND
PCB 1254	NG/L	ND	ND	ND	ND
PCB 1260	300 NG/L	ND	ND	ND	ND
PCB 1262	NG/L	ND	ND	ND	ND
p,p-DDD	30 NG/L	ND	ND	ND	ND
p,p-DDE	20 NG/L	ND	ND	ND	ND
p,p-DDT	20 NG/L	ND	ND	ND	ND
Toxaphene	240 NG/L	ND	ND	ND	ND
Trans Nonachlor	10 NG/L	ND	ND	ND	ND
Heptachlors	30 NG/L	0.0	0.0	0.0	0.0
Endosulfans	20 NG/L	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600 NG/L	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	14 NG/L	0.0	0.0	0.0	0.0
DDT and derivatives	40 NG/L	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	30 NG/L	1080.0	0.0	0.0	0.0
Aldrin + Dieldrin	40 NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	600 NG/L	1080.0	0.0	0.0	0.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis,
 EPA Method 608 (with additions)
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-MAY-2001	31-AUG-2001	31-OCT-2001	28-FEB-2001
			P109269	P117963	P123046	P99299
===== Aldrin	71000	UG/KG	ND	ND	ND	ND
BHC, Alpha isomer	22000	UG/KG	ND	ND	ND	ND
BHC, Beta isomer	37000	UG/KG	ND	ND	ND	ND
BHC, Delta isomer	14000	UG/KG	ND	ND	ND	ND
BHC, Gamma isomer	32000	UG/KG	23.5	ND	ND	ND
Alpha (cis) Chlordane	25000	UG/KG	ND	ND	ND	ND
Gamma (trans) Chlordane	68000	UG/KG	ND	ND	ND	ND
Alpha Chlordene		UG/KG	NA	NA	NA	NA
Gamma Chlordene		UG/KG	NA	NA	NA	NA
Cis Nonachlor	69000	UG/KG	ND	ND	ND	ND
Dieldrin	50000	UG/KG	ND	ND	ND	ND
Endosulfan Sulfate	51000	UG/KG	ND	ND	ND	ND
Alpha Endosulfan	13000	UG/KG	ND	ND	ND	ND
Beta Endosulfan	19000	UG/KG	ND	ND	ND	ND
Endrin	32000	UG/KG	ND	ND	ND	ND
Endrin aldehyde	20000	UG/KG	ND	ND	ND	ND
Heptachlor	22000	UG/KG	ND	ND	ND	ND
Heptachlor epoxide	46000	UG/KG	ND	ND	ND	ND
Methoxychlor	71000	UG/KG	ND	ND	ND	ND
Mirex	18000	UG/KG	ND	ND	ND	ND
o,p-DDD	10000	UG/KG	ND	ND	ND	ND
o,p-DDE	21000	UG/KG	ND	ND	ND	ND
o,p-DDT	71000	UG/KG	ND	ND	ND	ND
Oxychlordane	46000	UG/KG	ND	ND	ND	ND
PCB 1016	600	UG/KG	ND	ND	ND	ND
PCB 1221		UG/KG	ND	ND	ND	ND
PCB 1232		UG/KG	ND	ND	ND	ND
PCB 1242	70	UG/KG	ND	ND	ND	ND
PCB 1248		UG/KG	ND	ND	ND	ND
PCB 1254		UG/KG	ND	ND	ND	ND
PCB 1260	300	UG/KG	ND	ND	ND	ND
PCB 1262		UG/KG	ND	ND	ND	ND
p,p-DDD	18000	UG/KG	ND	ND	ND	ND
p,p-DDE	28000	UG/KG	ND	ND	<28000.0	ND
p,p-DDT	50000	UG/KG	ND	ND	ND	ND
Toxaphene	240	UG/KG	ND	ND	ND	ND
Trans Nonachlor	23000	UG/KG	ND	ND	ND	ND
===== Heptachlors	46000	UG/KG	0.0	0.0	0.0	0.0
Endosulfans	51000	UG/KG	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	600	UG/KG	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	69000	UG/KG	0.0	0.0	0.0	0.0
DDT and derivatives	71000	UG/KG	0.0	0.0	<0.0	0.0
Hexachlorocyclohexanes	37000	UG/KG	23.5	0.0	0.0	0.0
Aldrin + Dieldrin	71000	UG/KG	0.0	0.0	0.0	0.0
===== Chlorinated Hydrocarbons	71000	UG/KG	23.5	0.0	<0.0	0.0

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

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

From 01-JAN-2001 To 31-DEC-2001

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	RAW COMP
		09-OCT-2001 P120742	09-OCT-2001 P120747	11-OCT-2001 P120757	09-OCT-2001 P120817	09-OCT-2001 P120815	09-OCT-2001 P120787
Demeton O	.09 UG/L	ND	ND	ND	ND	ND	ND
Demeton S	.05 UG/L	ND	ND	ND	ND	ND	ND
Diazinon	.07 UG/L	0.2	0.1	ND	ND	ND	ND
Guthion	.21 UG/L	ND	ND	ND	ND	ND	ND
Malathion	.04 UG/L	0.1	0.1	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.21 UG/L	0.1	0.1	0.0	0.0	0.0	0.0
Demeton -O, -S	.09 UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.21 UG/L	0.4	0.4	0.0	0.0	0.0	6.5

Additional compounds.....

Tetraethylpyrophosphate	UG/L	ND	ND	ND	ND	ND	ND
Dichlorvos	UG/L	ND	ND	ND	ND	ND	ND
Dibrom	UG/L	ND	ND	ND	ND	ND	ND
Ethoprop	UG/L	ND	ND	ND	ND	ND	ND
Phorate	UG/L	ND	ND	ND	ND	ND	ND
Sulfotepp	UG/L	ND	ND	ND	ND	ND	ND
Disulfoton	UG/L	0.1	0.1	ND	ND	ND	ND
Monocrotophos	UG/L	ND	ND	ND	ND	ND	ND
Dimethoate	UG/L	ND	ND	ND	ND	ND	ND
Ronnel	UG/L	ND	ND	ND	ND	ND	ND
Trichloronate	UG/L	ND	ND	ND	ND	ND	ND
Merphos	UG/L	ND	ND	ND	ND	ND	ND
Dichlofenthion	UG/L	ND	ND	ND	ND	ND	ND
Tokuthion	UG/L	ND	ND	ND	ND	ND	ND
Stirophos	UG/L	ND	ND	ND	ND	ND	ND
Bolstar	UG/L	ND	ND	ND	ND	ND	ND
Fensulfothion	UG/L	ND	ND	ND	ND	ND	ND
EPN	UG/L	ND	ND	ND	ND	ND	ND
Coumaphos	UG/L	ND	ND	ND	ND	ND	ND
Mervinphos, e isomer	UG/L	ND	ND	ND	ND	ND	ND
Mervinphos, z isomer	UG/L	ND	ND	ND	ND	ND	ND
Chlorpyrifos	.05 UG/L	ND	0.1	ND	ND	ND	6.5

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

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

From 01-JAN-2001 To 31-DEC-2001

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

Analyte	MDL	Units	DIG COMP
			09-OCT-2001 P120801
Demeton O	.09	UG/L	ND
Demeton S	.05	UG/L	ND
Diazinon	.07	UG/L	ND
Guthion	.21	UG/L	ND
Malathion	.04	UG/L	ND
Parathion	.03	UG/L	ND
=====			
Thiophosphorus Pesticides	.21	UG/L	0.0
Demeton -O, -S	.09	UG/L	0.0
=====			
Total Organophosphorus Pesticides	.21	UG/L	6.7

Additional compounds.....

Analyte	MDL	Units	Value
Tetraethylpyrophosphate		UG/L	ND
Dichlorvos		UG/L	ND
Dibrom		UG/L	ND
Ethoprop		UG/L	ND
Phorate		UG/L	ND
Sulfotepp		UG/L	ND
Disulfoton		UG/L	ND
Monocrotophos		UG/L	ND
Dimethoate		UG/L	ND
Ronnel		UG/L	ND
Trichloronate		UG/L	ND
Merphos		UG/L	ND
Dichlofenthion		UG/L	ND
Tokuthion		UG/L	ND
Stirophos		UG/L	ND
Bolstar		UG/L	ND
Fensulfothion		UG/L	ND
EPN		UG/L	ND
Coumaphos		UG/L	ND
Mervinphos, e isomer		UG/L	ND
Mervinphos, z isomer		UG/L	ND
Chlorpyrifos	.05	UG/L	6.7

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Organo Tin Analysis
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Date:		PLE	PLE	PLE	PLE	PLR	PLR	PLR
Sample:	MDL Units	08-MAY-2001 P106670	07-AUG-2001 P115641	09-OCT-2001 P120742	06-FEB-2001 P96934	08-MAY-2001 P106675	07-AUG-2001 P115646	09-OCT-2001 P120747
Tributyl tin	.005 UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyl Tin	.01 UG/L	ND	ND	ND	ND	ND	ND	ND

Date:		PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBCDEWCN
Sample:	MDL Units	06-FEB-2001 P96939	08-MAY-2001 P106685	07-AUG-2001 P115656	11-OCT-2001 P120757	06-FEB-2001 P96949	31-OCT-2001 P123046
Tributyl tin	.005 UG/L	ND	ND	ND	ND	ND	ND
Monobutyl Tin	.01 UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project
 Herbicide Analysis
 From 01-JAN-2001 To 31-DEC-2001

Sampling: LC,MC,JN,VB,MV,SKB,HHD,NC Analysis: CW,TB,KD

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	P101747	P106895	P111561	P115367	P120145	P125293
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND	ND	ND	ND

Date:			MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	P127738	P97474
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	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-2001 To 31-DEC-2001

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			08-MAY-2001 P106670	07-AUG-2001 P115641	09-OCT-2001 P120742	06-FEB-2001 P96934	08-MAY-2001 P106675	07-AUG-2001 P115646
2-chlorophenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	18.40	8.90	10.30	23.00	17.90	18.90
2-nitrophenol	4.5	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	4.6	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	6.1	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	5.1	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)	4.4	UG/L	53.10	17.60	26.30	68.10	60.10	41.90
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.1	UG/L	18.40	8.90	10.30	23.00	17.90	18.90
Phenols	6.1	UG/L	18.40	8.90	10.30	23.00	17.90	18.90

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			09-OCT-2001 P120747	06-FEB-2001 P96939	08-MAY-2001 P106685	07-AUG-2001 P115656	11-OCT-2001 P120757	06-FEB-2001 P96949
2-chlorophenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	10.40	22.90	ND	6.75	7.05	8.00
2-nitrophenol	4.5	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	4.6	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	6.1	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	5.1	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)	4.4	UG/L	33.80	69.00	ND	ND	ND	5.90
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.1	UG/L	10.40	22.90	0.00	6.75	7.05	8.00
Phenols	6.1	UG/L	10.40	22.90	0.00	6.75	7.05	8.00

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-2001 To 31-DEC-2001

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

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP
			08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001
			P106715	P115686	P120787	P96979	P106729	P115700
2-chlorophenol	3.6	UG/L	<138.00	<140.00	<137.00	<143.00	<129.00	<141.00
2,4-dichlorophenol	6.1	UG/L	<233.00	<238.00	<232.00	<241.00	<219.00	<238.00
4-chloro-3-methylphenol	3.6	UG/L	<138.00	<140.00	<137.00	<143.00	<129.00	<140.00
2,4,6-trichlorophenol	3.4	UG/L	<130.00	<133.00	<129.00	<135.00	<122.00	<133.00
Pentachlorophenol	5.87	UG/L	<61.10	<62.40	<60.80	<63.30	<57.40	<62.70
Phenol	2.53	UG/L	<68.80	<70.20	<68.40	134.00	<64.60	<70.60
2-nitrophenol	4.5	UG/L	<172.00	<176.00	<171.00	<178.00	<162.00	<176.00
2,4-dimethylphenol	4.6	UG/L	<176.00	<179.00	<175.00	<182.00	<165.00	<179.00
2,4-dinitrophenol	6.07	UG/L	<126.00	<129.00	<125.00	<131.00	<119.00	<129.00
4-nitrophenol	6.1	UG/L	<233.00	<238.00	<232.00	<241.00	<219.00	<238.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	<115.00	<117.00	<114.00	<119.00	<108.00	<118.00
2-methylphenol	5.1	UG/L	<195.00	<199.00	<194.00	<202.00	<183.00	<200.00
3-methylphenol(4-MP is unresolved)	4.4	UG/L	<168.00	<172.00	<167.00	<174.00	<158.00	<172.00
4-methylphenol(3-MP is unresolved)	4.4	UG/L	1890.00	1830.00	1390.00	1490.00	<158.00	<172.00
2,4,5-trichlorophenol	3.6	UG/L	<138.00	<140.00	<137.00	<143.00	<129.00	<140.00
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	134.00	0.00	0.00
Phenols	6.1	UG/L	0.00	0.00	0.00	134.00	0.00	0.00

Analyte	MDL	Units	DIG COMP	DIG COMP	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
			P120801	P96993	P106745	P115716	P120817	P97009
2-chlorophenol	3.6	UG/L	<141.00	<142.00	<131.00	<142.00	<135.00	<137.00
2,4-dichlorophenol	6.1	UG/L	<239.00	<240.00	<223.00	<240.00	<229.00	<232.00
4-chloro-3-methylphenol	3.6	UG/L	<141.00	<142.00	<131.00	<142.00	<135.00	<137.00
2,4,6-trichlorophenol	3.4	UG/L	<133.00	<134.00	<124.00	<134.00	<128.00	<129.00
Pentachlorophenol	5.87	UG/L	<62.70	<62.90	<58.40	<63.00	<60.20	<60.80
Phenol	2.53	UG/L	<70.60	<70.80	<65.70	<70.90	<67.70	<68.40
2-nitrophenol	4.5	UG/L	<176.00	<177.00	<164.00	<177.00	<169.00	<171.00
2,4-dimethylphenol	4.6	UG/L	<180.00	<181.00	<168.00	<181.00	<173.00	<175.00
2,4-dinitrophenol	6.07	UG/L	<129.00	<130.00	<121.00	<130.00	<124.00	<125.00
4-nitrophenol	6.1	UG/L	<239.00	<240.00	<223.00	<240.00	<229.00	<232.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	<118.00	<118.00	<110.00	<118.00	<113.00	<114.00
2-methylphenol	5.1	UG/L	<200.00	<201.00	<186.00	<201.00	<192.00	<194.00
3-methylphenol(4-MP is unresolved)	4.4	UG/L	<173.00	<173.00	<161.00	<173.00	<165.00	<167.00
4-methylphenol(3-MP is unresolved)	4.4	UG/L	<173.00	<173.00	<161.00	<173.00	<165.00	495.00
2,4,5-trichlorophenol	3.6	UG/L	<141.00	<142.00	<131.00	<142.00	<135.00	<137.00
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Phenols	6.1	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-2001 To 31-DEC-2001

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

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
			P106743	P115714	P120815	P97007
2-chlorophenol	3.6	UG/L	<100.00	<143.00	<143.00	<137.00
2,4-dichlorophenol	6.1	UG/L	<170.00	<242.00	<243.00	<233.00
4-chloro-3-methylphenol	3.6	UG/L	<100.00	<143.00	<143.00	<137.00
2,4,6-trichlorophenol	3.4	UG/L	<94.90	<135.00	<135.00	<130.00
Pentachlorophenol	5.87	UG/L	<44.60	<63.50	<63.70	<61.10
Phenol	2.53	UG/L	<50.20	<71.50	<71.60	<68.70
2-nitrophenol	4.5	UG/L	<126.00	<179.00	<179.00	<172.00
2,4-dimethylphenol	4.6	UG/L	<128.00	<183.00	<183.00	<176.00
2,4-dinitrophenol	6.07	UG/L	<92.10	<131.00	<131.00	<126.00
4-nitrophenol	6.1	UG/L	<170.00	<242.00	<243.00	<233.00
2-methyl-4,6-dinitrophenol	4.29	UG/L	<83.70	<119.00	<119.00	<115.00
2-methylphenol	5.1	UG/L	<142.00	<203.00	<203.00	<195.00
3-methylphenol(4-MP is unresolved)	4.4	UG/L	<123.00	<175.00	<175.00	<168.00
4-methylphenol(3-MP is unresolved)	4.4	UG/L	189.00	553.00	6780.00	186.00
2,4,5-trichlorophenol	3.6	UG/L	<100.00	<143.00	<143.00	<137.00
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00
Phenols	6.1	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
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625

From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL Units	MBCDEWCN	
		31-MAY-2001 P109269	28-FEB-2001 P99299
2-chlorophenol	330 UG/KG	ND	<1650.00
2,4-dichlorophenol	330 UG/KG	ND	<1650.00
4-chloro-3-methylphenol	330 UG/KG	ND	<1650.00
2,4,6-trichlorophenol	330 UG/KG	ND	<1650.00
Pentachlorophenol	800 UG/KG	ND	<4000.00
Phenol	330 UG/KG	173000.00	125000.00
2-nitrophenol	330 UG/KG	ND	<1650.00
2,4-dimethylphenol	330 UG/KG	ND	<1650.00
2,4-dinitrophenol	330 UG/KG	ND	<1650.00
4-nitrophenol	800 UG/KG	ND	<4000.00
2-methyl-4,6-dinitrophenol	800 UG/KG	ND	<4000.00
2-methylphenol	330 UG/KG	ND	<1650.00
3-methylphenol(4-MP is unresolved)	330 UG/KG	ND	<1650.00
4-methylphenol(3-MP is unresolved)	330 UG/KG	170000.00	29400.00
2,4,5-trichlorophenol	800 UG/KG	ND	<4000.00
Total Chlorinated Phenols	800 UG/KG	0.00	0.00
Total Non-Chlorinated Phenols	800 UG/KG	173000.00	125000.00
Phenols	800 UG/KG	173000.00	125000.00

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project
 SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLE	PLE
			09-MAY-2001 P106678	08-AUG-2001 P115649	10-OCT-2001 P120750	07-FEB-2001 P96942	09-MAY-2001 P106673	08-AUG-2001 P115644
Chloromethane	3.23	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	2.9	ND	3.7	1.6	2.9	3.0
1,1-dichloroethene	1.09	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	10.6	6.8	9.7	8.2	9.3	5.6
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	ND	ND	3.8	4.5	1.2	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	ND	ND	2.7	3.4	ND	ND
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND	ND	*	ND	ND
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	ND	ND	3.9	1.3	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1.01	UG/L	2.4	1.1	1.1	1.5	2.6	1.5
Ethylbenzene	1.46	UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	0.0	0.0	6.5	7.9	1.2	0.0
Purgeable Compounds	13.8	UG/L	15.9	7.9	24.9	20.5	16.0	10.1

Additional analytes determined;

Allyl chloride	1.4	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1.3	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	397.0	1310.0	132.0	1800.0	795.0	1380.0
Carbon disulfide	1	UG/L	1.3	2.0	1.3	1.0	1.9	2.0
2-butanone	4	UG/L	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project
 SEWAGE Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2001
 To 31-DEC-2001

Analyte	MDL	Units	PLE	PLE	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			10-OCT-2001 P120745	07-FEB-2001 P96937	09-MAY-2001 P106688	08-AUG-2001 P115659	10-OCT-2001 P120760	07-FEB-2001 P96952
Chloromethane	3.23	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	4.0	3.5	ND	2.9	5.5	2.7
1,1-dichloroethene	1.09	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	9.1	7.0	1.7	4.8	24.1	2.0
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	1.8	3.4	ND	ND	6.4	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	1.3	2.8	ND	ND	2.8	ND
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	*	*	ND	ND	*
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	3.6	2.0	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1.01	UG/L	7.5	2.4	ND	2.0	1.4	1.2
Ethylbenzene	1.46	UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	3.1	6.2	0.0	0.0	9.2	0.0
Purgeable Compounds	13.8	UG/L	27.3	21.1	1.7	9.7	40.2	5.9

Additional analytes determined;

Allyl chloride	1.4	UG/L	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND	ND
Methyl Iodide	1.3	UG/L	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	689.0	1070.0	144.0	245.0	ND	110.0
Carbon disulfide	1	UG/L	2.5	5.7	ND	4.1	1.2	8.3
2-butanone	4	UG/L	ND	ND	ND	ND	ND	ND

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

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

From 01-JAN-2001 To 31-DEC-2001

TJ INTERCEPT
 07-FEB-2001

Analyte	MDL	Units	P96947
Chloromethane	3.23	UG/L	ND
Bromomethane	1.39	UG/L	ND
Vinyl chloride	1.04	UG/L	ND
Chloroethane	3	UG/L	ND
1,1-dichloroethane	1	UG/L	ND
Trichlorofluoromethane	3.92	UG/L	ND
Methylene chloride	1.29	UG/L	ND
1,1-dichloroethene	1.09	UG/L	ND
trans-1,2-dichloroethene	1	UG/L	ND
Chloroform	1	UG/L	ND
1,2-dichloroethane	2.24	UG/L	ND
1,1,1-trichloroethane	1	UG/L	ND
Carbon tetrachloride	1.92	UG/L	ND
Bromodichloromethane	1.79	UG/L	ND
1,2-dichloropropane	1	UG/L	ND
trans-1,3-dichloropropene	1.27	UG/L	ND
Trichloroethene	1.32	UG/L	ND
Benzene	1	UG/L	ND
Dibromochloromethane	1.99	UG/L	ND
1,1,2-trichloroethane	3.02	UG/L	ND
cis-1,3-dichloropropene	1.01	UG/L	ND
2-chloroethylvinyl ether	5	UG/L	*
Bromoform	6.1	UG/L	ND
1,1,2,2-tetrachloroethane	3.13	UG/L	ND
Tetrachloroethene	1.04	UG/L	ND
Chlorobenzene	1	UG/L	ND
Toluene	1.01	UG/L	ND
Ethylbenzene	1.46	UG/L	ND
Acrylonitrile	13.8	UG/L	ND
Acrolein	11.4	UG/L	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	0.0
Purgeable Compounds	13.8	UG/L	0.0

Additional analytes determined:

Allyl chloride	1.4	UG/L	ND
4-methyl-2-pentanone	6.1	UG/L	ND
meta,para xylenes	3.1	UG/L	ND
Styrene	4.7	UG/L	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND
Methyl Iodide	1.3	UG/L	ND
Chloroprene	1.4	UG/L	ND
Methyl methacrylate	4.6	UG/L	ND
2-nitropropane	10	UG/L	ND
1,2-dibromoethane	3.3	UG/L	ND
Isopropylbenzene	4.4	UG/L	ND
Benzyl chloride	7.2	UG/L	ND
ortho-xylene	3.4	UG/L	ND
Acetone	20	UG/L	ND
Carbon disulfide	1	UG/L	ND
2-butanone	4	UG/L	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-2001 To 31-DEC-2001

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
			08-MAY-2001 P106729	07-AUG-2001 P115700	09-OCT-2001 P120801	06-FEB-2001 P96993	08-MAY-2001 P106715	07-AUG-2001 P115686
Chloromethane	25.8	UG/KG	ND	ND	ND	1030.0	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	2170.0	ND	1270.0	1140000.0	253.0	169.0
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	25	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	17	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	21.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	173.0
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	166.0
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	121.0	271.0
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	ND	ND	314.0	212.0
Ethylbenzene	90.5	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
=====	=====	=====	=====	=====	=====	=====	=====	=====
Halomethane Purgeable Cmpnds	29.2	UG/KG	0.0	0.0	0.0	1030.0	0.0	0.0
=====	=====	=====	=====	=====	=====	=====	=====	=====
Purgeable Compounds	275	UG/KG	2170.0	0.0	1270.0	1141030.0	688.0	991.0

Additional analytes determined;

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP
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	ND	ND	ND	ND	155.0	187.0
Styrene	19	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	ND	ND	ND
Acetone	185	UG/KG	ND	ND	9440.0	652.0	ND	44000.0
Carbon disulfide	56.8	UG/KG	ND	ND	ND	250.0	ND	123.0
2-butanone		UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL	Units	RAW COMP	RAW COMP	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			09-OCT-2001 P120787	06-FEB-2001 P96979	08-MAY-2001 P106745	07-AUG-2001 P115716	09-OCT-2001 P120817	06-FEB-2001 P97009
Chloromethane	25.8	UG/KG	ND	36.4	407.0	ND	ND	1120.0
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	1360.0	599000.0	1460000.0	ND	ND	27900.0
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	25	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	199.0	145.0	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	17	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	21.9	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	157.0	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	1770.0	258.0	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	612.0	338.0	ND	ND	255.0	ND
Ethylbenzene	90.5	UG/KG	ND	134.0	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
=====								
Halomethane Purgeable Compds	29.2	UG/KG	0.0	36.4	407.0	0.0	0.0	1120.0
=====								
Purgeable Compounds	275	UG/KG	4098.0	599911.4	1460407.0	0.0	255.0	29020.0

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	429.0	587.0	ND	ND	ND	ND
Styrene	19	UG/KG	435.0	186.0	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	183.0	288.0	ND	ND	ND	ND
Acetone	185	UG/KG	50600.0	28500.0	ND	5040.0	4880.0	ND
Carbon disulfide	56.8	UG/KG	157.0	210.0	ND	ND	253.0	ND
2-butanone		UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
			P106743	P115714	P120815	P97007
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
Chloroethane	61	UG/KG	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	1560.0	ND	ND	1360.0
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND
trans-1,2-dichloroethene	25	UG/KG	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	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	17	UG/KG	ND	ND	ND	ND
Bromodichloromethane	21.9	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	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	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	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	224.0	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	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	1560.0	0.0	224.0	1360.0

Additional analytes determined;

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
			P106743	P115714	P120815	P97007
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	ND	ND	ND	ND
Styrene	19	UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	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	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	ND
Acetone	185	UG/KG	ND	45400.0	4570.0	34800.0
Carbon disulfide	56.8	UG/KG	ND	1020.0	231.0	2050.0
2-butanone		UG/KG	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, SW 846 8260B
 From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery
 Analyzed by: S.Evans, E.Lanez

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-MAR-2001	30-APR-2001	31-MAY-2001	31-JUL-2001	30-SEP-2001	31-OCT-2001
			P101747	P106895	P109269	P115367	P120145	P123046
Chloromethane	25.8	UG/KG	<25.8	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	<29.2	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	<26.2	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	<61.0	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	44.6	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	<28.0	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	65.1	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	44.7	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	25	UG/KG	43.9	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	44.2	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	44.1	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	34.5	ND	ND	ND	ND	ND
Carbon tetrachloride	17	UG/KG	25.5	ND	ND	ND	ND	ND
Bromodichloromethane	21.9	UG/KG	26.5	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	41.4	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	25.6	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	32.5	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	46.8	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	<24.2	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	54.8	ND	ND	ND	ND	<17.0
cis-1,3-dichloropropene	21.5	UG/KG	22.4	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	<53.6	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	<26.1	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	70.2	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	24.5	ND	ND	ND	ND	ND
Toluene	48	UG/KG	51.7	39.1	<48.0	24.5	72.9	66.4
Chlorobenzene	31.1	UG/KG	44.4	ND	ND	ND	ND	<17.0
Ethylbenzene	90.5	UG/KG	<90.5	43.9	<90.5	ND	147.0	47.2
Acrylonitrile	275	UG/KG	<275.0	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds			26.5	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds			765.0	83.0	0.0	24.5	219.9	113.6

Additional analytes determined:

Allyl chloride	25	UG/KG	36.7	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	51.1	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	142.0	79.3	34.7	58.4	183.0	61.8
Styrene	19	UG/KG	70.8	29.8	13.4	ND	75.8	24.3
1,2,4-trichlorobenzene	330	UG/KG	25.1	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	44.5	28.1	26.8	ND	65.6	503.0
Chloroprene	17	UG/KG	8.8	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	44.1	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	36.3	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	45.2	25.3	ND	ND	72.6	23.5
Benzyl chloride	38	UG/KG	52.5	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	76.8	44.3	19.0	32.4	84.4	30.5
Acetone	185	UG/KG	5510.0	5560.0	6460.0	8570.0	7350.0	6820.0
Carbon disulfide	56.8	UG/KG	76.5	45.5	<56.8	43.5	83.5	80.0
2-butanone		UG/KG	5870.0	5930.0	3180.0	6070.0	6430.0	2360.0
Methyl tert-butyl ether	34	UG/KG	58.3	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, SW 846 8260B
 From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			30-NOV-2001	28-FEB-2001
			P125293	P99299
=====	=====	=====	=====	=====
Chloromethane	25.8	UG/KG	ND	ND
Bromomethane	29.2	UG/KG	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND
Chloroethane	61	UG/KG	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND
trans-1,2-dichloroethene	25	UG/KG	ND	ND
Chloroform	25.6	UG/KG	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND
Carbon tetrachloride	17	UG/KG	ND	ND
Bromodichloromethane	21.9	UG/KG	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND
Benzene	26.5	UG/KG	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND
Bromoform	26.1	UG/KG	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND
Toluene	48	UG/KG	35.7	<48.0
Chlorobenzene	31.1	UG/KG	ND	ND
Ethylbenzene	90.5	UG/KG	<26.0	<90.5
Acrylonitrile	275	UG/KG	ND	ND
Acrolein	70.9	UG/KG	ND	ND
=====	=====	=====	=====	=====
Halomethane Purgeable Cmpnds			0.0	0.0
=====	=====	=====	=====	=====
Purgeable Compounds			35.7	<0.0

Additional analytes determined;

=====	=====	=====	=====	=====
Allyl chloride	25	UG/KG	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND
meta,para xylenes	35	UG/KG	<35.0	107.0
Styrene	19	UG/KG	<19.0	ND
1,2,4-trichlorobenzene	330	UG/KG	ND	<330.0
Methyl Iodide	19	UG/KG	ND	ND
Chloroprene	17	UG/KG	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND
2-nitropropane		UG/KG	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND
Isopropylbenzene	17	UG/KG	ND	25.9
Benzyl chloride	38	UG/KG	ND	ND
ortho-xylene	23	UG/KG	<23.0	58.9
Acetone	185	UG/KG	6400.0	3850.0
Carbon disulfide	56.8	UG/KG	<34.0	<56.8
2-butanone		UG/KG	3060.0	2550.0
Methyl tert-butyl ether	34	UG/KG	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-2001 To 31-DEC-2001

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			08-MAY-2001 P106670	07-AUG-2001 P115641	09-OCT-2001 P120742	06-FEB-2001 P96934	08-MAY-2001 P106675	07-AUG-2001 P115646
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	4	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.6	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	5.6	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	1.7	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	13.6	12.2	ND	12.5	13.0	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.4	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	2.7	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Benzidine	1.7	UG/L				ND		
Butyl benzyl phthalate	5.2	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	32.4	11.2
Di-n-octyl phthalate	10.7	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	.4	UG/L				ND		
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	7.4	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.8	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	13.6	12.2	0.0	12.5	45.4	11.2
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	1.3	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-2001 To 31-DEC-2001

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			09-OCT-2001 P120747	06-FEB-2001 P96939	08-MAY-2001 P106685	07-AUG-2001 P115656	11-OCT-2001 P120757	06-FEB-2001 P96949
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	4	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.6	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	5.6	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	1.7	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	ND	10.8	ND	ND	ND	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.4	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	2.7	UG/L	ND	ND	97.3	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Benzidine	1.7	UG/L		ND				ND
Butyl benzyl phthalate	5.2	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	15.3	<10.4	<10.4	18.4	7.7
Di-n-octyl phthalate	10.7	UG/L	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	.4	UG/L		ND				ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	7.4	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.8	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	0.0	26.1	97.3	0.0	18.4	7.7

Additional analytes determined;

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	1.3	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-2001 To 31-DEC-2001

Analyte	MDL Units	MBCDEWCN	MBCDEWCN	MBCDEWCN
		31-MAY-2001	31-OCT-2001	28-FEB-2001
		P109269	P123046	P99299
bis(2-chloroethyl) ether	330 UG/KG	ND	ND	<1650
1,3-dichlorobenzene	330 UG/KG	ND	ND	<330
1,2-dichlorobenzene	330 UG/KG	ND	ND	<330
1,4-dichlorobenzene	330 UG/KG	484	<330	<330
Bis-(2-chloroisopropyl) ether	330 UG/KG	ND	ND	<1650
N-nitrosodi-n-propylamine	330 UG/KG	ND	ND	<1650
Nitrobenzene	330 UG/KG	ND	ND	<1650
Hexachloroethane	330 UG/KG	ND	ND	<1650
Isophorone	330 UG/KG	ND	ND	<1650
bis(2-chloroethoxy)methane	330 UG/KG	ND	ND	<1650
1,2,4-trichlorobenzene	330 UG/KG	ND	ND	<330
Naphthalene	330 UG/KG	1300	ND	<1650
Hexachlorobutadiene	330 UG/KG	ND	ND	<1650
Hexachlorocyclopentadiene	330 UG/KG	ND	ND	<1650
2-chloronaphthalene	UG/KG	ND	ND	<1650
Acenaphthylene	330 UG/KG	ND	ND	<1650
Dimethyl phthalate	330 UG/KG	ND	ND	<1650
2,6-dinitrotoluene	330 UG/KG	ND	ND	<1650
Acenaphthene	330 UG/KG	ND	ND	<1650
2,4-dinitrotoluene	330 UG/KG	ND	ND	<1650
Fluorene	330 UG/KG	ND	ND	<1650
4-chlorophenyl phenyl ether	330 UG/KG	ND	ND	<1650
Diethyl phthalate	330 UG/KG	ND	ND	<1650
N-nitrosodiphenylamine	330 UG/KG	ND	ND	<1650
4-bromophenyl phenyl ether	330 UG/KG	ND	ND	<1650
Hexachlorobenzene	330 UG/KG	ND	ND	<1650
Phenanthrene	330 UG/KG	1220	ND	<1650
Anthracene	330 UG/KG	ND	ND	<1650
Di-n-butyl phthalate	330 UG/KG	ND	ND	<1650
N-nitrosodimethylamine	330 UG/KG	ND	ND	<1650
Fluoranthene	330 UG/KG	ND	ND	<1650
Pyrene	330 UG/KG	ND	ND	<1650
Butyl benzyl phthalate	330 UG/KG	5960	ND	<1650
Chrysene	330 UG/KG	ND	ND	<1650
Benzo[A]anthracene	330 UG/KG	ND	ND	<1650
Bis-(2-ethylhexyl) phthalate	330 UG/KG	169000	136000	141000
Di-n-octyl phthalate	330 UG/KG	28200	10200	10200
Benzo[K]fluoranthene	330 UG/KG	ND	ND	<1650
3,4-benzo(B)fluoranthene	330 UG/KG	ND	ND	<1650
Benzo[A]pyrene	330 UG/KG	ND	ND	<1650
Indeno(1,2,3-CD)pyrene	330 UG/KG	ND	ND	<1650
Dibenzo(A,H)anthracene	330 UG/KG	ND	ND	<1650
Benzo[G,H,I]perylene	330 UG/KG	ND	ND	<1650
1,2-diphenylhydrazine	UG/KG	ND	ND	<1650
Polynuc. Aromatic Hydrocarbons		1220	0	0
Total Dichlorobenzenes		0	0	0
Base/Neutral Compounds		206164	146200	151200

Additional analytes determined:

Analyte	MDL Units	31-MAY-2001	31-OCT-2001	28-FEB-2001
1-methylnaphthalene	UG/KG	1690	ND	<1650
2-methylnaphthalene	UG/KG	2100	845	<1650
2,6-dimethylnaphthalene	UG/KG	3240	2650	<1650
2,3,5-trimethylnaphthalene	UG/KG	ND	ND	<1650
1-methylphenanthrene	UG/KG	ND	ND	<1650
Benzo[e]pyrene	UG/KG	ND	ND	<1650
Perylene	330 UG/KG	ND	ND	<1650
Biphenyl	UG/KG	616	ND	<1650

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

POINT LOMA WASTEWATER TREATMENT PLANT
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery
Analyzed by: Pacific Analytical Inc.

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE
				JAN	FEB	MAR	APR	MAY	JUN
				P94772	P96934	P99402	P101845	P106670	P109842
2,3,7,8-tetra CDD	10	PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	100	PG/L	0.001	ND	ND	780.000	<100.000	ND	ND
2,3,7,8-tetra CDF	10	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	0.001	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE
				JUL	AUG	SEP	OCT	NOV	DEC
				P112083	P115641	P117992	P120742	P123281	P125689
2,3,7,8-tetra CDD	10	PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	100	PG/L	0.001	ND	200.000	ND	ND	<100.000	<100.000
2,3,7,8-tetra CDF	10	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	0.001	ND	ND	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT PLANT
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2001 To 31-DEC-2001

Sampled by: M. Slattery
Analyzed by: Pacific Analytical Inc.

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN
			P94772	P96934	P99402	P101845	P106670	P109842
2,3,7,8-tetra CDD	10	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	ND	ND	ND	ND	ND	ND
octa CDD	100	PG/L	ND	ND	0.780	0.065	ND	ND
2,3,7,8-tetra CDF	10	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JUL	AUG	SEP	OCT	NOV	DEC
			P112083	P115641	P117992	P120742	P123281	P125689
2,3,7,8-tetra CDD	10	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	ND	ND	ND	ND	ND	ND
octa CDD	100	PG/L	ND	0.200	ND	ND	0.095	0.095
2,3,7,8-tetra CDF	10	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	ND	ND	ND	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-2001 To 31-DEC-2001

Sampled by: M. Slattery

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN
				P94775	P96939	P99405	P101848	P106675	P109845
2,3,7,8-tetra CDD	10	PG/L	1.000	ND	NA	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	0.500	ND	NA	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	0.010	ND	NA	<50.000	ND	ND	ND
octa CDD	100	PG/L	0.001	ND	NA	630.000	220.000	180.000	580.000
2,3,7,8-tetra CDF	10	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	0.050	ND	NA	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	0.500	ND	NA	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	0.100	ND	NA	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	0.010	ND	NA	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	0.010	ND	NA	ND	ND	ND	ND
octa CDF	100	PG/L	0.001	ND	NA	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR
				JUL	AUG	SEP	OCT	NOV	DEC
				P112086	P115646	P117995	P120747	P123284	P125692
2,3,7,8-tetra CDD	10	PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	0.010	ND	ND	ND	ND	430.000	ND
octa CDD	100	PG/L	0.001	ND	170.000	ND	ND	3800.000	ND
2,3,7,8-tetra CDF	10	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	73.000	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	0.001	ND	ND	ND	ND	330.000	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-2001 To 31-DEC-2001

Sampled by: M. Slattery
Analyzed by: Pacific Analytical Inc.

Analyte	MDL	Units	PLR		PLR		PLR		PLR		PLR	
			TCDD		TCDD		TCDD		TCDD		TCDD	
			JAN	FEB	MAR	APR	MAY	JUN				
			P94775	P96939	P99405	P101848	P106675	P109845				
2,3,7,8-tetra CDD	10	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDD	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	ND	NA	0.370	ND	ND	ND	ND	ND	ND	ND
octa CDD	100	PG/L	ND	NA	0.630	0.220	0.180	0.580	ND	ND	ND	ND
2,3,7,8-tetra CDF	10	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR		PLR		PLR		PLR		PLR	
			TCDD		TCDD		TCDD		TCDD		TCDD	
			JUL	AUG	SEP	OCT	NOV	DEC				
			P112086	P115646	P117995	P120747	P123284	P125692				
2,3,7,8-tetra CDD	10	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	PG/L	ND	ND	ND	ND	4.300	ND	ND	ND	ND	ND
octa CDD	100	PG/L	ND	0.170	ND	ND	3.800	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	10	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	PG/L	ND	ND	ND	ND	0.730	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	100	PG/L	ND	ND	ND	ND	0.330	ND	ND	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 SLUDGE - Dioxins analysis
 From 01-JAN-2001 To 31-DEC-2001

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-MAY-2001 P109269	31-AUG-2001 P117963	31-OCT-2001 P123046	28-FEB-2001 P99299
2,3,7,8-tetra CDD	10	NG/KG	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50	NG/KG	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	50	NG/KG	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50	NG/KG	ND	ND	78.000	ND
1,2,3,7,8,9-hexa CDD	50	NG/KG	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50	NG/KG	46.000	22.000	1900.000	ND
octa CDD	120	NG/KG	530.000	250.000	6600.000	ND
2,3,7,8-tetra CDF	10	NG/KG	2.500	ND	3.000	ND
1,2,3,7,8-penta CDF	50	NG/KG	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50	NG/KG	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50	NG/KG	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50	NG/KG	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50	NG/KG	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50	NG/KG	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50	NG/KG	28.000	13.000	350.000	220.000
1,2,3,4,7,8,9-hepta CDF	50	NG/KG	ND	ND	ND	ND
octa CDF	100	NG/KG	120.000	43.000	1700.000	930.000

Above are permit required CDD/CDF isomers.

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

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

NORTH CITY WATER RECLAMATION PLANT
2001 Annual Report
Physical/Aggregate Properties Report

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		06-FEB-2001	07-FEB-2001	08-MAY-2001	09-MAY-2001	07-AUG-2001
Ammonia-N	.2 MG/L	31.9	NR	28.1	NR	32.2
BOD (Biological Oxygen Demand)	2 MG/L	193	NR	213	NR	183
Chemical Oxygen Demand	22 MG/L	538	NR	531	NR	501
Conductivity	10 UMHOS/CM	1790	NR	2020	NR	1920
Grease/oil	1.4 MG/L	NR	10.2	NR	43.4	NR
MBAS (Detergents)	.03 MG/L	9.5	NR	8.8	NR	8.9
pH (grab)	PH	NR	7.6	NR	7.4	NR
pH (composite)	PH	7.6	NR	7.5	NR	7.5
Total Alkalinity (bicarbonate)	8 MG/L	268	NR	282	NR	280
Total Dissolved Solids	42 MG/L	1020	NR	1090	NR	1100
Total Suspended Solids	1.6 MG/L	224	NR	222	NR	196
Volatile Suspended Solids	1.6 MG/L	192	NR	200	NR	168
Total Kjeldahl Nitrogen	2.7 MG/L	60.5	NR	47.5	NR	62.2
Turbidity	NTU	130	NR	110	NR	80

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
		08-AUG-2001	09-OCT-2001	10-OCT-2001	08-MAY-2001	09-MAY-2001
Ammonia-N	.2 MG/L	NR	31.2	NR	28.4	NR
BOD (Biological Oxygen Demand)	2 MG/L	NR	218	NR	199	NR
Chemical Oxygen Demand	22 MG/L	NR	597	NR	283	NR
Conductivity	10 UMHOS/CM	NR	1950	NR	1880	NR
Grease/oil	1.4 MG/L	20.5	NR	19.8	NR	25.7
MBAS (Detergents)	.03 MG/L	NR	4.1	NR	8.0	NR
pH (grab)	PH	7.5	NR	7.3	NR	7.6
pH (composite)	PH	NR	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	8 MG/L	NR	279	NR	317	NR
Total Dissolved Solids	42 MG/L	NR	1030	NR	992	NR
Total Suspended Solids	1.6 MG/L	NR	272	NR	266	NR
Volatile Suspended Solids	1.6 MG/L	NR	236	NR	226	NR
Total Kjeldahl Nitrogen	2.7 MG/L	NR	60.5	NR	38.3	NR
Turbidity	NTU	NR	120	NR	110	NR

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN	N10-EFF
		07-AUG-2001	08-AUG-2001	09-OCT-2001	10-OCT-2001	06-FEB-2001
Ammonia-N	.2 MG/L	27.1	NR	29.0	NR	29.7
BOD (Biological Oxygen Demand)	2 MG/L	144	NR	212	NR	125
Chemical Oxygen Demand	22 MG/L	413	NR	501	NR	381
Conductivity	10 UMHOS/CM	1760	NR	1610	NR	1780
Grease/oil	1.4 MG/L	NR	47.6	NR	36.1	NR
MBAS (Detergents)	.03 MG/L	8.4	NR	2.8	NR	8.5
pH (grab)	PH	NR	7.3	NR	7.4	NR
pH (composite)	PH	7.6	NR	7.6	NR	7.6
Total Alkalinity (bicarbonate)	8 MG/L	295	NR	308	NR	261
Total Dissolved Solids	42 MG/L	980	NR	928	NR	1060
Total Suspended Solids	1.6 MG/L	266	NR	294	NR	62.0
Volatile Suspended Solids	1.6 MG/L	220	NR	252	NR	54.0
Total Kjeldahl Nitrogen	2.7 MG/L	56.3	NR	52.6	NR	63.5
Turbidity	NTU	100	NR	140	NR	65.0

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

N30-DPE = 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
2001 Annual Report
Physical/Aggregate Properties Report

Analytes	MDL Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF	N10-EFF
		07-FEB-2001	08-MAY-2001	09-MAY-2001	07-AUG-2001	08-AUG-2001
Ammonia-N	.2 MG/L	NR	28.8	NR	26.3	NR
BOD (Biological Oxygen Demand)	2 MG/L	NR	133	NR	128	NR
BOD (Soluble)	MG/L	NR	NR	NR	NR	NR
Conductivity	10 UMHOS/CM	NR	1950	NR	1920	NR
Grease/oil	1.4 MG/L	14.2	NR	24.9	NR	30.4
MBAS (Detergents)	.03 MG/L	NR	8.4	NR	8.3	NR
pH (grab)	PH	7.5	NR	7.6	NR	7.1
pH (composite)	PH	NR	7.6	NR	7.6	NR
Total Alkalinity (bicarbonate)	8 MG/L	NR	287	NR	289	NR
Total Dissolved Solids	42 MG/L	NR	1040	NR	1070	NR
Total Suspended Solids	1.6 MG/L	NR	86.0	NR	92.0	NR
Volatile Suspended Solids	1.6 MG/L	NR	71.0	NR	68.0	NR
Total Kjeldahl Nitrogen	2.7 MG/L	NR	38.7	NR	52.2	NR
Turbidity	NTU	NR	73.0	NR	62.0	NR

Analytes	MDL Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
		09-OCT-2001	10-OCT-2001	06-FEB-2001	07-FEB-2001	08-MAY-2001
Ammonia-N	.2 MG/L	32.1	NR	ND	NR	ND
BOD (Biological Oxygen Demand)	2 MG/L	126	NR	ND	NR	ND
Chemical Oxygen Demand	22 MG/L	308	NR	ND	NR	42
Conductivity	10 UMHOS/CM	1730	NR	1680	NR	1870
Grease/oil	1.4 MG/L	NR	31.0	NR	1.4	NR
MBAS (Detergents)	.03 MG/L	4.2	NR	0.2	NR	0.2
pH (grab)	PH	NR	7.3	NR	7.3	NR
pH (composite)	PH	7.6	NR	7.5	NR	7.6
Total Alkalinity (bicarbonate)	8 MG/L	295	NR	127	NR	149
Total Dissolved Solids	42 MG/L	NR	NR	1100	NR	1100
Total Suspended Solids	1.6 MG/L	90.0	NR	ND	NR	ND
Volatile Suspended Solids	1.6 MG/L	76.0	NR	ND	NR	ND
Total Kjeldahl Nitrogen	2.7 MG/L	52.9	NR	18.6	NR	ND
Total Organic Carbon	MG/L	NR	NR	8.2	NR	10.5
Turbidity	NTU	65.0	NR	1.1	NR	1.7

Analytes	MDL Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE	N30-DFE
		09-MAY-2001	07-AUG-2001	08-AUG-2001	09-OCT-2001	10-OCT-2001
Ammonia-N	.2 MG/L	NR	ND	NR	0.5	NR
BOD (Biological Oxygen Demand)	2 MG/L	NR	ND	NR	2.4	NR
Chemical Oxygen Demand	22 MG/L	NR	ND	NR	39	NR
Conductivity	10 UMHOS/CM	NR	1780	NR	1670	NR
Grease/oil	1.4 MG/L	ND	NR	ND	NR	1.4
MBAS (Detergents)	.03 MG/L	NR	0.2	NR	0.1	NR
pH (grab)	PH	7.4	NR	7.4	NR	7.3
pH (composite)	PH	NR	7.7	NR	7.6	NR
Total Alkalinity (bicarbonate)	8 MG/L	NR	148	NR	144	NR
Total Dissolved Solids	42 MG/L	NR	760	NR	1070	NR
Total Suspended Solids	1.6 MG/L	NR	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	NR	ND	NR	ND	NR
Total Kjeldahl Nitrogen	2.7 MG/L	NR	11.0	NR	11.0	NR
Total Organic Carbon	MG/L	NR	8.4	NR	9.3	NR
Turbidity	NTU	NR	0.8	NR	1.9	NR

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
2001 Annual Report
Physical/Aggregate Properties Report

Analytes	MDL Units	N34-REC WATER				
		06-FEB-2001	07-FEB-2001	08-MAY-2001	09-MAY-2001	07-AUG-2001
Ammonia-N	.2 MG/L	ND	NR	ND	NR	ND
BOD (Biological Oxygen Demand)	2 MG/L	ND	NR	ND	NR	ND
Chemical Oxygen Demand	22 MG/L	22	NR	ND	NR	26
Conductivity	10 UMHOS/CM	1360	NR	1400	NR	1300
Grease/oil	1.4 MG/L	NR	1.7	NR	ND	NR
MBAS (Detergents)	.03 MG/L	0.2	NR	0.3	NR	0.2
pH (grab)	PH	NR	7.3	NR	7.4	NR
pH (composite)	PH	7.6	NR	7.8	NR	7.6
Total Alkalinity (bicarbonate)	8 MG/L	107	NR	120	NR	116
Total Dissolved Solids	42 MG/L	876	NR	796	NR	1050
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR	ND
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR	ND
Total Kjeldahl Nitrogen	2.7 MG/L	28.2	NR	ND	NR	17.0
Total Organic Carbon	MG/L	8.8	NR	9.7	NR	8.8
Turbidity	NTU	1.0	NR	1.7	NR	0.8

Analytes	MDL Units	N34-REC WATER		
		08-AUG-2001	09-OCT-2001	10-OCT-2001
Ammonia-N	.2 MG/L	NR	0.2	NR
BOD (Biological Oxygen Demand)	2 MG/L	NR	ND	NR
Chemical Oxygen Demand	22 MG/L	NR	37	NR
Conductivity	10 UMHOS/CM	NR	1390	NR
Grease/oil	1.4 MG/L	ND	NR	ND
MBAS (Detergents)	.03 MG/L	NR	0.1	NR
pH (grab)	PH	7.4	NR	7.3
pH (composite)	PH	NR	7.6	NR
Total Alkalinity (bicarbonate)	8 MG/L	NR	119	NR
Total Dissolved Solids	42 MG/L	NR	880	NR
Total Suspended Solids	1.6 MG/L	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	NR	ND	NR
Total Kjeldahl Nitrogen	2.7 MG/L	NR	20.0	NR
Total Organic Carbon	MG/L	NR	8.3	NR
Turbidity	NTU	NR	0.5	NR

NA= Not Analyzed
ND= Not Detected
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
 2001 Annual Report
 (Metals from Digestion and Ions from Supernatant)

Source:		N30-DFE	N30-DFE	N30-DFE	N30-DFE	N10-EFF
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
Sample ID:	MDL Units	P96969	P106705	P115676	P120777	P96964
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	ND	117	ND	272	600
Antimony	23 UG/L	ND	ND	ND	ND	ND
Arsenic	.18 UG/L	0.87	0.99	1.58	0.86	0.97
Barium	10 UG/L	44	55	54	56	83
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	533	519	304	589	488
Cadmium	1 UG/L	ND	ND	ND	ND	1.3
Chromium	5 UG/L	ND	<5	ND	23	ND
Cobalt	4 UG/L	ND	ND	ND	ND	<4
Copper	4 UG/L	249	105	125	54	219
Iron	30 UG/L	190	118	130	153	1880
Lead	18 UG/L	ND	ND	ND	ND	ND
Manganese	4 UG/L	103.00	174.00	75.10	22.40	254.00
Mercury	.27 UG/L	ND	ND	ND	ND	ND
Molybdenum	3 UG/L	5	10	11	16	12
Nickel	14 UG/L	ND	ND	ND	20	ND
Selenium	.4 UG/L	1.02	0.93	1.06	0.80	1.40
Silver	6.6 UG/L	ND	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	43	63	68	162	69
Bromide	.02 MG/L	ND	ND	ND	ND	0.61
Chloride	.8 MG/L	254	369	259	262	243
Fluoride	.03 MG/L	0.43	0.38	0.44	0.41	0.43
Nitrate	.03 MG/L	60.30	72.60	141.00	59.30	ND
Ortho Phosphate	.05 MG/L	6.49	6.01	6.11	6.97	4.22
Sulfate	.5 MG/L	299	318	279	290	299
Calcium	.08 MG/L	75	88	85	85	77
Lithium	.01 MG/L	0.04	0.05	0.05	0.05	0.05
Magnesium	.02 MG/L	32	38	35	35	34
Potassium	2 MG/L	14	17	17	18	16
Sodium	.3 MG/L	182	215	200	210	173
Calcium Hardness	.2 MG/L	187	220	212	212	193
Magnesium Hardness	.08 MG/L	133	154	144	146	141
Total Hardness	.22 MG/L	320	375	356	358	334
Cyanides, Total	.002 MG/L	ND	ND	0.009	ND	0.004
Sulfides-Total	.1 MG/L	0.16	ND	ND	2.00	0.55
Total Kjeldahl Nitrogen	2.7 MG/L	18.6	ND	11.0	11.0	63.5

ND= Not Detected
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 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
 N10-PSP COMB = Combined Primary Sludge Pump
 N15-WAS LCP = Waste Activated Sludge (Low Capacity Pump)
 N15-WAS HCP = Waste Activated Sludge (High Capacity Pump)

NORTH CITY WATER RECLAMATION PLANT
 2001 Annual Report
 (Metals from Digestion and Ions from Supernatant)

Source:		N10-EFF	N10-EFF	N10-EFF	N01-PS_INF	N01-PS_INF
Date:		08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001	08-MAY-2001
Sample ID:	MDL Units	P106700	P115671	P120772	P96954	P106690
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1180	720	987	2040	1480
Antimony	23 UG/L	ND	ND	ND	ND	ND
Arsenic	.18 UG/L	1.02	1.67	1.43	1.31	1.24
Barium	10 UG/L	96	96	95	130	113
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	499	427	488	469	499
Cadmium	1 UG/L	ND	ND	ND	ND	ND
Chromium	5 UG/L	6	ND	22	8	12
Cobalt	4 UG/L	<4	ND	<4	ND	ND
Copper	4 UG/L	190	270	115	267	223
Iron	30 UG/L	638	948	462	3290	1260
Lead	18 UG/L	ND	ND	ND	ND	ND
Manganese	4 UG/L	248.00	243.00	244.00	295.00	237.00
Mercury	.27 UG/L	ND	ND	ND	ND	<0.27
Molybdenum	3 UG/L	14	10	20	5	7
Nickel	14 UG/L	ND	22	21	ND	ND
Selenium	.4 UG/L	1.38	1.47	1.28	1.66	1.63
Silver	6.6 UG/L	ND	ND	ND	8.2	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND	ND
Zinc	4 UG/L	138	73	89	124	118
Bromide	.02 MG/L	0.54	0.55	0.46	0.67	0.59
Chloride	.8 MG/L	248	238	252	242	281
Fluoride	.03 MG/L	0.31	0.44	0.46	0.43	0.31
Nitrate	.03 MG/L	ND	0.86	0.64	ND	ND
Ortho Phosphate	.05 MG/L	5.52	7.49	8.63	4.77	8.05
Sulfate	.5 MG/L	305	286	282	296	291
Calcium	.08 MG/L	88	94	86	80	93
Lithium	.01 MG/L	0.05	0.05	0.05	0.03	0.04
Magnesium	.02 MG/L	37	38	36	34	41
Potassium	2 MG/L	18	18	18	16	18
Sodium	.3 MG/L	192	192	191	169	201
Calcium Hardness	.2 MG/L	219	235	215	200	231
Magnesium Hardness	.08 MG/L	153	156	150	140	167
Total Hardness	.22 MG/L	372	390	364	339	398
Cyanides-Total	.002 MG/L	0.002	0.002	ND	0.005	0.003
Sulfides-Total	.1 MG/L	0.53	0.34	0.49	0.57	0.34
Total Kjeldahl Nitrogen	2.7 MG/L	38.7	52.2	52.9	60.5	47.5

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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)
 N01-PEN = Penasquitos Pump Station Influent
 N10-PSP COMB = Combined Primary Sludge Pump
 N15-WAS LCP = Waste Activated Sludge (Low Capacity Pump)
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NORTH CITY WATER RECLAMATION PLANT
2001 Annual Report
(Metals from Digestion and Ions from Supernatant)

Source:		N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN	N01-PEN
Date:		07-AUG-2001	09-OCT-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P115661	P120762	P106695	P115666	P120767
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1600	1650	3100	2660	5420
Antimony	23 UG/L	36	ND	<23	26	ND
Arsenic	.18 UG/L	1.77	1.26	1.55	1.87	2.70
Barium	10 UG/L	126	137	137	124	144
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	456	518	542	477	533
Cadmium	1 UG/L	ND	ND	ND	ND	<1.0
Chromium	5 UG/L	12	22	7	ND	25
Cobalt	4 UG/L	ND	ND	ND	ND	ND
Copper	4 UG/L	191	194	162	153	185
Iron	30 UG/L	2320	1070	767	558	854
Lead	18 UG/L	ND	ND	ND	ND	ND
Manganese	4 UG/L	258.00	315.00	251.00	274.00	335.00
Mercury	.27 UG/L	<0.27	ND	ND	0.34	0.40
Molybdenum	3 UG/L	16	20	9	12	21
Nickel	14 UG/L	55	<14	ND	22	29
Selenium	.4 UG/L	1.45	1.45	1.73	1.53	1.38
Silver	6.6 UG/L	8.1	<6.6	<6.6	8.1	10.6
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND	ND
Zinc	4 UG/L	201	149	115	124	151
Bromide	.02 MG/L	0.57	0.54	0.30	0.32	0.27
Chloride	.8 MG/L	271	277	196	177	180
Fluoride	.03 MG/L	0.44	0.50	0.36	0.40	0.43
Nitrate	.03 MG/L	0.10	0.46	ND	1.11	0.56
Ortho Phosphate	.05 MG/L	7.86	9.71	6.50	7.92	7.98
Sulfate	.5 MG/L	264	268	333	311	284
Calcium	.08 MG/L	100	114	88	91	85
Lithium	.01 MG/L	0.06	0.05	0.04	0.04	0.04
Magnesium	.02 MG/L	40	38	34	34	33
Potassium	2 MG/L	19	17	19	19	21
Sodium	.3 MG/L	205	190	180	180	172
Calcium Hardness	.2 MG/L	250	285	221	228	212
Magnesium Hardness	.08 MG/L	166	158	141	139	135
Total Hardness	.22 MG/L	416	443	362	366	347
Cyanides, Total	.002 MG/L	0.002	ND	ND	0.002	ND
Sulfides-Total	.1 MG/L	1.10	0.49	0.17	ND	0.65
Total Kjeldahl Nitrogen	2.7 MG/L	62.2	60.5	38.3	56.3	52.6

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)
N01-PEN = Penasquitos Pump Station Influent
N10-PSP COMB = Combined Primary Sludge Pump
N15-WAS LCP = Waste Activated Sludge (Low Capacity Pump)
N15-WAS HCP = Waste Activated Sludge (High Capacity Pump)

NORTH CITY WATER RECLAMATION PLANT
2001 Annual Report
(Metals from Digestion and Ions from Supernatant)

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:		06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
Sample ID:	MDL Units	P96974	P106710	P115681	P120782
=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	ND	92	ND	151
Antimony	23 UG/L	ND	ND	ND	ND
Arsenic	.18 UG/L	0.87	0.76	1.24	0.90
Barium	10 UG/L	32	35	34	40
Beryllium	.39 UG/L	ND	ND	ND	ND
Boron	15 UG/L	564	524	276	530
Cadmium	1 UG/L	ND	ND	ND	ND
Chromium	5 UG/L	ND	6	ND	22
Cobalt	4 UG/L	ND	ND	ND	ND
Copper	4 UG/L	142	162	186	91
Iron	30 UG/L	232	184	122	154
Lead	18 UG/L	ND	74	ND	ND
Manganese	4 UG/L	79.90	125.00	54.50	17.40
Mercury	.27 UG/L	ND	ND	<0.27	ND
Molybdenum	3 UG/L	8	8	9	15
Nickel	14 UG/L	ND	ND	ND	<14
Selenium	.4 UG/L	0.87	0.67	0.86	0.71
Silver	6.6 UG/L	ND	ND	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND
Zinc	4 UG/L	39	51	52	78
Bromide	.02 MG/L	ND	ND	ND	ND
Chloride	.8 MG/L	194	183	173	203
Fluoride	.03 MG/L	0.36	0.38	0.39	0.34
Nitrate	.03 MG/L	64.90	50.60	40.60	48.60
Ortho Phosphate	.05 MG/L	4.66	4.39	4.63	5.60
Sulfate	.5 MG/L	258	220	195	230
Calcium	.08 MG/L	57	58	56	64
Lithium	.01 MG/L	0.04	0.04	0.04	0.04
Magnesium	.02 MG/L	26	25	23	26
Potassium	2 MG/L	11	12	12	14
Sodium	.3 MG/L	156	164	157	181
Calcium Hardness	.2 MG/L	143	146	141	161
Magnesium Hardness	.08 MG/L	105	101	93	106
Total Hardness	.22 MG/L	248	247	234	267
Cyanides, Total	.002 MG/L	ND	ND	ND	ND
Sulfides-Total	.1 MG/L	0.18	ND	ND	ND
Total Kjeldahl Nitrogen	2.7 MG/L	28.2	ND	17.0	20.0

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
N10-PSP COMB = Combined Primary Sludge Pump
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N15-WAS HCP = Waste Activated Sludge (High Capacity Pump)

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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N30-DFE	06-FEB-2001	P96969	0.5±1.1	18.0±3.4
N30-DFE	08-MAY-2001	P106705	0.6±0.9	22.4±3.2
N30-DFE	07-AUG-2001	P115676	1.1±1.0	18.9±2.8
N30-DFE	09-OCT-2001	P120777	1.0±0.8	20.9±8.0
N10-EFF	06-FEB-2001	P96964	1.2±1.4	21.6±3.6
N10-EFF	08-MAY-2001	P106700	2.2±1.5	23.6±3.4
N10-EFF	07-AUG-2001	P115671	0.7±1.5	22.8±3.3
N10-EFF	09-OCT-2001	P120772	2.7±1.6	26.0±3.3
N01-PS_INF	06-FEB-2001	P96954	1.2±1.4	16.7±3.4
N01-PS_INF	08-MAY-2001	P106690	1.2±1.4	25.3±3.7
N01-PS_INF	07-AUG-2001	P115661	-1.0±1.1	26.1±3.3
N01-PS_INF	09-OCT-2001	P120762	1.8±1.5	25.9±3.4
N01-PEN	08-MAY-2001	P106695	2.7±1.6	24.4±4.2
N01-PEN	07-AUG-2001	P115666	-1.5±0.9	20.9±3.2
N01-PEN	09-OCT-2001	P120767	1.1±1.5	26.9±3.3
N34-REC WATER	06-FEB-2001	P96974	-0.2±1.0	12.2±3.1
N34-REC WATER	08-MAY-2001	P106710	0.8±1.0	16.3±2.3
N34-REC WATER	07-AUG-2001	P115681	0.6±1.0	16.9±3.2
N34-REC WATER	09-OCT-2001	P120782	1.0±0.8	18.8±6.9

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

Units in picocuries per Liter (pCi/L)

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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Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001	08-MAY-2001
			P96954	P106690	P115661	P120762	P106695
Tributyl tin	.005	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.007	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	.01	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			07-AUG-2001	09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001
			P115666	P120767	P96964	P106700	P115671
Tributyl tin	.005	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.007	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	.01	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N30-DFE	N30-DFE	N30-DFE	N30-DFE
			09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
			P120772	P96969	P106705	P115676	P120777
Tributyl tin	.005	UG/L	ND	ND	0.500	ND	ND
Dibutyl tin	.007	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	.01	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
			P96974	P106710	P115681	P120782
Tributyl tin	.005	UG/L	ND	ND	ND	ND
Dibutyl tin	.007	UG/L	ND	ND	ND	ND
Monobutyl Tin	.01	UG/L	ND	ND	ND	ND

NA= Not Analyzed
ND= Not Detected

N30-DFE = Disinfected Final Effluent
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N01-PEN = Penasquitos Pump Station Influent
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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			06-FEB-2001 P96954	08-MAY-2001 P106690	07-AUG-2001 P115661	09-OCT-2001 P120762	08-MAY-2001 P106695
Aldrin	20	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	25	ND	ND	12
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	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		NG/L	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND
Methoxychlor		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	40	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0	0	0	0	0
Endosulfans	20	NG/L	0	0	0	0	0
Polychlorinated biphenyls	600	NG/L	0	0	0	0	0
Chlordane + related cmpds.	14	NG/L	0	0	0	0	0
DDT and derivatives	40	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	30	NG/L	0	25	0	0	12
Aldrin + Dieldrin	40	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	600	NG/L	0	25	0	0	12

NA= Not Analyzed
ND= Not Detected

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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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			07-AUG-2001 P115666	09-OCT-2001 P120767	06-FEB-2001 P96964	08-MAY-2001 P106700	07-AUG-2001 P115671
Aldrin	20	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	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		NG/L	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND
Methoxychlor		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	40	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0	0	0	0	0
Endosulfans	20	NG/L	0	0	0	0	0
Polychlorinated biphenyls	600	NG/L	0	0	0	0	0
Chlordane + related cmpds.	14	NG/L	0	0	0	0	0
DDT and derivatives	40	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	30	NG/L	0	0	0	0	0
Aldrin + Dieldrin	40	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	600	NG/L	0	0	0	0	0

NA= Not Analyzed
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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N30-DFE	N30-DFE	N30-DFE	N30-DFE
			09-OCT-2001 P120772	06-FEB-2001 P96969	08-MAY-2001 P106705	07-AUG-2001 P115676	09-OCT-2001 P120777
Aldrin	20	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	14	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		NG/L	ND	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND	ND
Methoxychlor		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	40	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND	ND
Heptachlors	30	NG/L	0	0	0	0	0
Endosulfans	20	NG/L	0	0	0	0	0
Polychlorinated biphenyls	600	NG/L	0	0	0	0	0
Chlordane + related cmpds.	14	NG/L	0	0	0	0	0
DDT and derivatives	40	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	30	NG/L	0	0	0	0	0
Aldrin + Dieldrin	40	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	600	NG/L	0	0	0	0	0

NA= Not Analyzed
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Chlorinated Pesticides

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			06-FEB-2001 P96974	08-MAY-2001 P106710	07-AUG-2001 P115681	09-OCT-2001 P120782
Aldrin	20	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND
BHC, Beta isomer	30	NG/L	ND	ND	ND	ND
BHC, Delta isomer	30	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	14	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	14	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor		NG/L	ND	ND	ND	ND
Dieldrin	40	NG/L	ND	ND	ND	ND
Endosulfan Sulfate		NG/L	ND	ND	ND	ND
Alpha Endosulfan	20	NG/L	ND	ND	ND	ND
Beta Endosulfan		NG/L	ND	ND	ND	ND
Endrin	30	NG/L	ND	ND	ND	ND
Endrin aldehyde	23	NG/L	ND	ND	ND	ND
Heptachlor	3	NG/L	ND	ND	ND	ND
Heptachlor epoxide	30	NG/L	ND	ND	ND	ND
Methoxychlor		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	40	NG/L	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND
Oxychlordane	10	NG/L	ND	ND	ND	ND
PCB 1016	600	NG/L	ND	ND	ND	ND
PCB 1221		NG/L	ND	ND	ND	ND
PCB 1232		NG/L	ND	ND	ND	ND
PCB 1242	70	NG/L	ND	ND	ND	ND
PCB 1248		NG/L	ND	ND	ND	ND
PCB 1254		NG/L	ND	ND	ND	ND
PCB 1260	300	NG/L	ND	ND	ND	ND
PCB 1262		NG/L	ND	ND	ND	ND
p,p-DDD	30	NG/L	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	240	NG/L	ND	ND	ND	ND
Trans Nonachlor	10	NG/L	ND	ND	ND	ND
Heptachlors	30	NG/L	0	0	0	0
Endosulfans	20	NG/L	0	0	0	0
Polychlorinated biphenyls	600	NG/L	0	0	0	0
Chlordane + related cmpds.	14	NG/L	0	0	0	0
DDT and derivatives	40	NG/L	0	0	0	0
Hexachlorocyclohexanes	30	NG/L	0	0	0	0
Aldrin + Dieldrin	40	NG/L	0	0	0	0
Chlorinated Hydrocarbons	600	NG/L	0	0	0	0

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N34-REC WATER = Reclaimed WaterNorth City Water Reclamation Plant

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N30-DFE	N01-PEN	N10-EFF	N34-REC WATER
		09-OCT-2001 P120762	09-OCT-2001 P120777	09-OCT-2001 P120767	09-OCT-2001 P120772	09-OCT-2001 P120782
Demeton O	.09 UG/L	ND	ND	ND	ND	ND
Demeton S	.05 UG/L	ND	ND	ND	ND	ND
Diazinon	.07 UG/L	0.073	ND	0.090	0.084	ND
Guthion	.21 UG/L	ND	ND	ND	ND	ND
Malathion	.04 UG/L	0.043	ND	0.120	ND	ND
Parathion	.03 UG/L	ND	ND	ND	0.050	ND
Thiophosphorus Pesticides	.21 UG/L	0.043	0.000	0.120	0.050	0.000
Demeton -O, -S	.09 UG/L	0.000	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.21 UG/L	0.233	0.140	0.639	0.254	0.190

Additional Organophosphorous Pesticides Determined (Non-Priority Pollutants)

Analyte	MDL Units	N01-PS_INF	N30-DFE	N01-PEN	N10-EFF	N34-REC WATER
		09-OCT-2001 P120762	09-OCT-2001 P120777	09-OCT-2001 P120767	09-OCT-2001 P120772	09-OCT-2001 P120782
Tetraethylpyrophosphate	UG/L	ND	ND	ND	ND	ND
Dichlorvos	UG/L	ND	ND	ND	ND	ND
Dibrom	UG/L	ND	ND	ND	ND	ND
Ethoprop	UG/L	ND	ND	ND	ND	ND
Phorate	UG/L	ND	ND	ND	ND	ND
Sulfotepp	UG/L	ND	ND	ND	ND	ND
Disulfoton	UG/L	0.063	0.140	0.350	0.120	0.190
Monocrotophos	UG/L	ND	ND	ND	ND	ND
Dimethoate	UG/L	ND	ND	ND	ND	ND
Ronnel	UG/L	ND	ND	ND	ND	ND
Trichloronate	UG/L	ND	ND	ND	ND	ND
Merphos	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	UG/L	ND	ND	ND	ND	ND
Tokuthion	UG/L	ND	ND	ND	ND	ND
Stirophos	UG/L	ND	ND	ND	ND	ND
Bolstar	UG/L	ND	ND	ND	ND	ND
Fensulfothion	UG/L	ND	ND	ND	ND	ND
EPN	UG/L	ND	ND	ND	ND	ND
Coumaphos	UG/L	ND	ND	ND	ND	ND
Mervinphos, e isomer	UG/L	ND	ND	ND	ND	ND
Mervinphos, z isomer	UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.05 UG/L	0.054	ND	0.079	ND	ND

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ND= Not Detected

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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

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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE	N30-DFE
			06-FEB-2001	08-MAY-2001	07-AUG-2001	06-FEB-2001	08-MAY-2001
			P96954	P106690	P115661	P96969	P106705
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	4.6	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	3.6	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	4.5	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	6.1	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	31.60	28.00	ND	ND
Total Non-Chlorinated Phenols			0.00	31.60	28.00	0.00	0.00
Total Chlorinated Phenols			0.00	0.00	0.00	0.00	0.00
Phenols			0.00	31.60	28.00	0.00	0.00
2-methylphenol	5.1	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)	4.4	UG/L	64.50	60.60	49.70	ND	ND
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N30-DFE	N01-PEN	N01-PEN	N01-PEN
			07-AUG-2001	09-OCT-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
			P115676	P120777	P106695	P115666	P120767
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	4.6	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	3.6	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	4.5	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	6.1	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	16.90	12.00	12.20
Total Non-Chlorinated Phenols			0.00	0.00	16.90	12.00	12.20
Total Chlorinated Phenols			0.00	0.00	0.00	0.00	0.00
Phenols			0.00	0.00	16.90	12.00	12.20
2-methylphenol	5.1	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)	4.4	UG/L	ND	ND	50.10	16.00	26.70
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND	ND	ND

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

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Phenolic Compounds

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			06-FEB-2001 P96964	08-MAY-2001 P106700	07-AUG-2001 P115671	09-OCT-2001 P120772	06-FEB-2001 P96974
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	4.6	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	3.6	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	4.5	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	6.1	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	19.50	19.70	20.50	18.70	ND
=====							
Total Non-Chlorinated Phenols	6.1	UG/L	19.50	19.70	20.50	18.70	0.00
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.1	UG/L	19.50	19.70	20.50	18.70	0.00
2-methylphenol	5.1	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)	4.4	UG/L	58.00	54.90	27.80	51.40	ND
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			08-MAY-2001 P106710	07-AUG-2001 P115681	09-OCT-2001 P120782
2,4,6-trichlorophenol	3.4	UG/L	ND	ND	ND
2,4-dichlorophenol	6.1	UG/L	ND	ND	ND
2,4-dimethylphenol	4.6	UG/L	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND
2-chlorophenol	3.6	UG/L	ND	ND	ND
2-nitrophenol	4.5	UG/L	ND	ND	ND
4-chloro-3-methylphenol	3.6	UG/L	ND	ND	ND
4-nitrophenol	6.1	UG/L	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	ND
=====					
Total Non-Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00
Total Chlorinated Phenols	6.1	UG/L	0.00	0.00	0.00
=====					
Phenols	6.1	UG/L	0.00	0.00	0.00
2-methylphenol	5.1	UG/L	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.4	UG/L	ND	ND	ND
2,4,5-trichlorophenol	3.6	UG/L	ND	ND	ND

ND= not detected
NA= not analyzed
NS= not sampled
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Base/Neutral Compounds
Wastewater

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001	06-FEB-2001
			P96954	P106690	P115661	P120762	P96969
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.7	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	9.9	10.0	ND	ND	ND
Dimethyl phthalate	5.6	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	10.7	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	4.4	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	4	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	13.8	24.9	33.1	13.3	ND
Benzidine	1.7	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	5.2	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	7.4	UG/L	ND	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.6	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.7	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	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	7.8	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	23.7	34.9	33.1	13.3	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

North City Water Reclamation Plant
Semi Annual Sludge Project

2001
Base/Neutral Compounds
Wastewater

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			08-MAY-2001 P106705	07-AUG-2001 P115676	09-OCT-2001 P120777	08-MAY-2001 P106695	07-AUG-2001 P115666
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.7	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	ND	ND	ND	11.3	ND
Dimethyl phthalate	5.6	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	10.7	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	4.4	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	4	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	33.8	14.1
Benzidine	1.7	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	5.2	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	7.4	UG/L	ND	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.6	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.7	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	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	7.8	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	0.0	0.0	0.0	45.1	14.1

Additional Analytes Determined

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

NA= Not Analyzed
ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2001

Base/Neutral Compounds
Wastewater

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
			P120767	P96964	P106700	P115671	P120772
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.7	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	ND	ND	9.9	ND	ND
Dimethyl phthalate	5.6	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	10.7	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	4.4	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	4	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	10.7	12.3	ND	ND
Benzidine	1.7	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	5.2	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	7.4	UG/L	ND	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.6	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.7	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	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	7.8	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	0.0	10.7	22.2	0.0	0.0

Additional Analytes Determined

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			09-OCT-2001	06-FEB-2001	08-MAY-2001	07-AUG-2001	09-OCT-2001
			P120767	P96964	P106700	P115671	P120772
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

North City Water Reclamation Plant
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Base/Neutral Compounds
Wastewater

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			06-FEB-2001 P96974	08-MAY-2001 P106710	07-AUG-2001 P115681	09-OCT-2001 P120782
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	2.7	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	2.8	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.7	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	7.8	UG/L	ND	ND	ND	ND
Diethyl phthalate	8	UG/L	ND	ND	ND	ND
Dimethyl phthalate	5.6	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	10.7	UG/L	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.4	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	5.1	UG/L	ND	ND	ND	ND
Hexachloroethane	4	UG/L	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	37.4	ND	78.1	ND
Benzidine	1.7	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	7.4	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	7	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	2.1	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	5.2	UG/L	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	7.4	UG/L	ND	ND	ND	ND
Isophorone	2.5	UG/L	ND	ND	ND	ND
Naphthalene	1.6	UG/L	ND	ND	ND	ND
Nitrobenzene	7.3	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	2.7	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	5.2	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	5	UG/L	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.8	UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	2.8	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.7	UG/L	37.4	0.0	78.1	0.0

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND

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

NA= Not Analyzed

ND= Not Detected North City Water Reclamation Plant

Semi Annual Sludge Project

North City Water Reclamation Plant
Annual Monitoring Report

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SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			07-FEB-2001	09-MAY-2001	08-AUG-2001	10-OCT-2001	07-FEB-2001
			P96957	P106693	P115664	P120765	P96972
Chloromethane	3.23	UG/L	ND	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	12.1	6.6	5.8	6.9	ND
1,1-dichloroethene	1.09	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	3.8	6.1	3.8	38.9
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	<1.0	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	1.4	ND	ND	ND	44.1
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	1.4	ND	ND	ND	25.6
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND*	ND*	ND	ND	ND*
Bromoform	6.1	UG/L	ND	ND	ND	ND	3.1
1,1,2,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	1.9	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1.01	UG/L	ND	ND	ND	ND	ND
Ethylbenzene	1.46	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 Compnds	6.1	UG/L	2.8	0.0	0.0	0.0	72.8
Purgeable Compounds	13.8	UG/L	21.6	10.4	11.9	10.7	111.7

Additional Purgeable Compounds determined

Allyl chloride	1.4	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
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	1.3	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	1080.0	1070.0	2120.0	1990.0	ND
Carbon disulfide	1	UG/L	13.9	2.7	17.3	2.8	ND
2-butanone	4	UG/L	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	1.4	ND	ND	ND	ND

ND= Not Detected

*=Analyte failed QC. Data is non-reportable for compliance purposes, is shown for review only.

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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SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			09-MAY-2001 P106708	08-AUG-2001 P115679	10-OCT-2001 P120780	09-MAY-2001 P106698	08-AUG-2001 P115669
Chloromethane	3.23	UG/L	ND	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	ND	ND	ND	2.1	ND
1,1-dichloroethene	1.09	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	93.3	52.5	69.6	4.5	ND
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	73.4	51.1	67.5	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	38.1	37.6	42.6	ND	ND
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND*	ND	ND	ND*	ND
Bromoform	6.1	UG/L	4.3	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	ND	ND	ND	8.3	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1.01	UG/L	ND	ND	ND	ND	ND
Ethylbenzene	1.46	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	6.1	UG/L	115.8	88.7	110.1	0.0	0.0
Purgeable Compounds	13.8	UG/L	209.1	141.2	179.7	14.9	0.0

Additional Purgeable Compounds determined

Allyl chloride	1.4	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
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	1.3	UG/L	ND	14.5	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND	76.0	125.0
Carbon disulfide	1	UG/L	ND	ND	ND	997.0	58.3
2-butanone	4	UG/L	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	1.4	1.3

ND= Not Detected

*=Analyte failed QC. Data is non-reportable for compliance purposes, is shown for review only.

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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SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624-DEC-2001

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-OCT-2001	07-FEB-2001	09-MAY-2001	08-AUG-2001	10-OCT-2001
			P120770	P96967	P106703	P115674	P120775
Chloromethane	3.23	UG/L	ND	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	1.8	12.0	4.3	3.2	ND
1,1-dichloroethene	1.09	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	2.9	11.7	5.4	3.0	ND
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	ND	1.3	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	1.3	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	ND	1.1	ND	ND	ND
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND*	ND*	ND	ND
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	9.4	1.6	2.3	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1.01	UG/L	ND	1.4	1.7	ND	ND
Ethylbenzene	1.46	UG/L	1.8	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	6.1	UG/L	0.0	2.4	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	17.2	29.1	13.7	6.2	0.0

Additional Purgeable Compounds determined

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-OCT-2001	07-FEB-2001	09-MAY-2001	08-AUG-2001	10-OCT-2001
			P120770	P96967	P106703	P115674	P120775
Allyl chloride	1.4	UG/L	ND**	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	11.6**	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND**	ND	ND	ND	ND
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	1.3	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	3.74**	ND	ND	ND	ND
Acetone	20	UG/L	157**	830.0	481.0	834.0	654.0
Carbon disulfide	1	UG/L	138.0	15.3	31.4	16.2	76.9
2-butanone	4	UG/L	ND**	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	3.06**	1.8	ND	ND	ND

ND= Not Detected

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**= Surrogates out of control. Data non-reportable, for review only.

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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SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			07-FEB-2001	09-MAY-2001	08-AUG-2001	10-OCT-2001
			P96977	P106713	P115684	P120785
Chloromethane	3.23	UG/L	ND	ND	ND	ND
Bromomethane	1.39	UG/L	ND	ND	ND	ND
Vinyl chloride	1.04	UG/L	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	3.92	UG/L	ND	ND	ND	ND
Methylene chloride	1.29	UG/L	1.1	ND	ND	1.1
1,1-dichloroethene	1.09	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND
Chloroform	1	UG/L	41.9	70.6	62.2	67.5
1,2-dichloroethane	2.24	UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND
Carbon tetrachloride	1.92	UG/L	ND	ND	ND	ND
Bromodichloromethane	1.79	UG/L	45.0	47.6	40.6	53.2
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	1.27	UG/L	ND	ND	ND	ND
Trichloroethene	1.32	UG/L	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND
Dibromochloromethane	1.99	UG/L	25.6	23.8	19.0	27.5
1,1,2-trichloroethane	3.02	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	1.01	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	*	*	ND	ND
Bromoform	6.1	UG/L	3.0	2.2	ND	ND
1,1,2,2-tetrachloroethane	3.13	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.04	UG/L	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND
Toluene	1.01	UG/L	ND	ND	ND	ND
Ethylbenzene	1.46	UG/L	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	73.6	73.6	59.6	80.7
Purgeable Compounds	13.8	UG/L	116.6	144.2	121.8	149.3

Additional Purgeable Compounds determined

Allyl chloride	1.4	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND
Methyl Iodide	1.3	UG/L	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND	ND
Carbon disulfide	1	UG/L	ND	ND	ND	ND
2-butanone	4	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND

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