

VI. Annual Pretreatment Program Sludge Analysis

2002 Annual Pretreatment Program Sludge Analysis (QUARTERLY SLUDGE PROJECT)

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

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

The Quarterly Sludge Project was conducted 4 times during 2002, composite sampling on February 12, May 14, August 13, and October 15, grab samples taken the second day from each on-going waste stream. Monthly composite samples of MBC dewatered sludge (belt-press dewatered) during the respective calendar months were taken and analyzed for a similar suite of parameters. The tables showing the results of these analyses follow in this section.

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

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

The Metro Biosolids Center (MBC) uses a centrifuge dewatering process, the MBC centrate is the return stream source. This is a 24-hr composite from February 12, 2002 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), Primary effluent (N10-EFF), disinfected final effluent (N30-DFE), and reclaimed water (N34-REC WATER) were sampled. For influent and effluent samples, automatic refrigerated samplers composited over a 24 hour period.

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

Abbreviations:

PLR	Pt Loma WWTP influent.	RAW COMP	Pt. Loma raw sludge composite
PLE	Pt Loma WWTP effluent.	DIG COMP	Pt. Loma digested sludge composite
MBCDEWCN	MBC dewatered sludge from centrifuges.	MBC_COMBCN	MBC combined centrate from dewatering centrifuges.
MBC_NC_RSL	NCWRP to MBC raw sludge line	MBC_NC_DSL	MBC digested sludge line
T J INTERCEPT	Tijuana interceptor No flow for entire year, no samples exc.	NCWRP	North City Water Reclamation Plant
N01-PEN	NCWRP influent from Penasquitos line.	N01-PS_INF	NCWRP influent from pump station 64
N10-EFF	NCWRP Primary effluent	N01-PEN	NCWRP Penasquitos influent
N30-DFE	NCWRP disinfected final effluent	N34-REC WATER	NCWRP reclaimed water.

A. Pt. Loma and Metro Biosolids Center sources

POINT LOMA WASTEWATER TREATMENT PLANT
2002 Quarterly Sludge Project

Physical/Aggregate Properties Report

Analyte	MDL Units	PLR GRAB		PLR GRAB	
		13-FEB-2002	15-MAY-2002	14-AUG-2002	16-OCT-2002
Grease/oil (grab sample)	1.4 mg/L	34.6	33.0	44.3	21.9
pH (grab sample)	pH Units	7.27	7.25	7.46	7.22

Analyte	MDL Units	PLR COMPOSITE		PLR COMPOSITE	
		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Conductivity	10 umhos/cm	2710	2790	2880	2790
Total Suspended Solids	1.6 mg/L	292	307	279	280
Volatile Suspended Solids	1.6 mg/L	240	239	227	215
Total Alkalinity (bicarbonate)	1.5 mg/L	268	296	291	270
Total Solids	100 mg/L	1950	1900	2160	1900
Total Kjeldahl Nitrogen	1.6 mg/L	77	94	50	51
BOD (Biochemical Oxygen Demand)	2 mg/L	295	243	281	254
Chemical Oxygen Demand	22 mg/L	596	584	635	521
Ammonia-N	.2 mg/L	26.5	31.6	28.6	27.2
Total Volatile Solids	100 mg/L	504	493	618	468
Turbidity	NTU	160.0	170.0	140.0	170.0
Total Dissolved Solids	42 mg/L	1520	1550	2030	1610
MBAS (Surfactants)	.03 mg/L	11	11	9	7

Analyte	MDL Units	PLE GRAB		PLE GRAB	
		13-FEB-2002	15-MAY-2002	14-AUG-2002	16-OCT-2002
Grease/oil (grab sample)	1.4 mg/L	9.2	8.3	9.2	5.5
pH (grab sample)	pH Units	7.12	7.21	7.31	7.11

Analyte	MDL Units	PLE COMPOSITE		PLE COMPOSITE	
		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Conductivity	10 umhos/cm	2700	2800	2870	2780
Total Suspended Solids	1.6 mg/L	49	40	54	32
Volatile Suspended Solids	1.6 mg/L	38	31	41	20
Total Alkalinity (bicarbonate)	1.5 mg/L	250	271	267	238
Total Solids	100 mg/L	1670	1670	1970	1650
Total Kjeldahl Nitrogen	1.6 mg/L	53	47	30	36
BOD (Biochemical Oxygen Demand)	2 mg/L	101	70	110	79
Chemical Oxygen Demand	22 mg/L	217	220	253	147
Ammonia-N	.2 mg/L	25.2	31.4	27.2	26.3
Total Volatile Solids	100 mg/L	292	309	469	271
Turbidity	NTU	51.0	36.0	51.0	46.0
Total Dissolved Solids	42 mg/L	1390	1550	2000	1580
MBAS (Surfactants)	.03 mg/L	7	7	7	7

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

POINT LOMA WASTEWATER TREATMENT PLANT
2002 Quarterly Sludge Project
POINT LOMA

Physical/Aggregate Properties Report

Analyte	MDL Units	RAW COMP	RAW COMP	RAW COMP	RAW COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Total Alkalinity (bicarbonate)	1.5 mg/L	1030	914	933	890
Total Solids	Wt%	4.49	3.97	4.23	3.97
Total Volatile Solids	Wt%	78	77	77	76
Total Kjeldahl Nitrogen	.04 Wt%	3.1	3.3	3.3	3.4
pH	pH Units	6.27	6.33	6.18	6.24

Analyte	MDL Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
		COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Total Alkalinity (bicarbonate)	1.5 mg/L	3310	3020	2970	2970
Total Solids	Wt%	1.57	2.09	2.24	2.03
Total Volatile Solids	Wt%	57	55	57	54
Total Kjeldahl Nitrogen	.04 Wt%	7.6	6.8	6.4	6.7
pH	pH Units	7.27	7.39	7.31	7.43

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

POINT LOMA WASTEWATER TREATMENT PLANT
2002 Quarterly Sludge Project

MBC
Physical/Aggregate Properties Report

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			GRAB	GRAB	GRAB	GRAB
			15-Feb-02	15-May-02	14-Aug-02	16-Oct-02
Grease/oil (grab sample)	1.4	mg/L	4.8	ND	ND	ND
pH (grab sample)		pH Units	7.87	7.73	7.83	7.58

Analyte	MDL	Units	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			14-Feb-02	14-May-02	13-Aug-02	15-Oct-02
Conductivity	10	umhos/cm	4650	4640	4330	4250
Total Suspended Solids	1.6	mg/L	420	590	695	430
Volatile Suspended Solids	1.6	mg/L	355	450	550	335
Total Alkalinity (bicarbonate)	1.5	mg/L	1650	1640	110	1280
Total Solids		Wt%	0.22	0.27	0.3	0.25
Total Volatile Solids		Wt%	36	46	47	36
Total Kjeldahl Nitrogen	24	mg/L	364	332	166	329
BOD (Biochemical Oxygen Demand)	2	mg/L	233	371	269	399
Chemical Oxygen Demand	22	mg/L	817	939	985	720
pH		pH Units	7.99	7.82	7.94	7.8
Ammonia-N	0.2	mg/L	306	357	317	289

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			12-Feb-02	14-May-02	13-Aug-02	15-Oct-02
Total Suspended Solids	1.6	mg/L	6120	3100	1400	2920
Volatile Suspended Solids	1.6	mg/L	5240	2500	1220	2400
Total Alkalinity (bicarbonate)	1.5	mg/L	340	1280	270	2210
Total Solids		Wt%	0.68	0.58	0.24	0.38
Total Volatile Solids		Wt%	76	64	54	65
Total Kjeldahl Nitrogen	24	mg/L	324	225	179	1600
pH		pH Units	6.94	5.22	6.92	6.56

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			12-Feb-02	14-May-02	13-Aug-02	15-Oct-02
Total Alkalinity (bicarbonate)	1.5	mg/L	2720	2360	1970	275
Total Solids		Wt%	2.3	2.08	2.15	2.4
Total Volatile Solids		Wt%	67	66	63	67
Total Kjeldahl Nitrogen	24	mg/L	2120	1990	1590	1440
pH		pH Units	7.35	7.23	7.17	7.06

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE
			28-Feb-02	31-May-02	31-Aug-02	31-Oct-02
Total Solids		Wt%	27.7	28.6	27	28
Total Volatile Solids		Wt%	55	51	55	55
Total Kjeldahl Nitrogen	0.04	Wt%	4.4	3.7	4.6	4.4
pH		pH Units	7.9	7.54	7.76	7.89

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-2002 To: 31-DEC-2002

Source:		PLE	PLE	PLE	PLE
Date:		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Sample ID:	MDL Units	P130094	P138139	P180328	P188969
=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L	183	259	398	136
Antimony	230 UG/L	ND	44	<23	46
Arsenic	9 UG/L	0.92	1.34	NA	NA
Barium	100 UG/L	41	35	40	35
Beryllium	3.9 UG/L	ND	ND	ND	0.69
Boron	150 UG/L	546	547	550	351
Cadmium	10 UG/L	ND	ND	3.8	ND
Chromium	50 UG/L	ND	ND	ND	ND
Cobalt	40 UG/L	ND	ND	ND	ND
Copper	40 UG/L	72	101	65	89
Iron	300 UG/L	5350	3910	4650	5340
Lead	180 UG/L	ND	ND	ND	<18
Manganese	40 UG/L	155	200	194	156
Mercury	13.5 UG/L	ND	ND	NA	NA
Molybdenum	30 UG/L	8.6	ND	14.0	12.4
Nickel	140 UG/L	ND	ND	ND	ND
Selenium	20 UG/L	1.21	1.20	NA	NA
Silver	66 UG/L	ND	ND	ND	ND
Thallium	400 UG/L	ND	ND	ND	ND
Vanadium	70 UG/L	ND	ND	ND	10.5
Zinc	40 UG/L	40	21	24	31
Bromide	.05 MG/L	1.34	1.31	1.55	1.21
Chloride	2 MG/L	569	583	655	614
Fluoride	.075 MG/L	0.73	1.04	0.89	0.82
Nitrate	.075 MG/L	0.10	0.57	ND	2.37
Ortho Phosphate	.13 MG/L	1.19	0.95	2.30	0.98
Sulfate	1.3 MG/L	253	246	248	240
Calcium	.08 MG/L	81	85	80	72
Lithium	.01 MG/L	0.04	0.06	0.04	0.03
Magnesium	.02 MG/L	51	56	56	50
Potassium	2 MG/L	33	28	32	26
Sodium	.3 MG/L	344	367	375	339
Calcium Hardness	.2 MG/L	203	213	200	181
Magnesium Hardness	.08 MG/L	209	229	231	206
Total Hardness	.22 MG/L	412	441	431	386
Cyanides, Total	.025 MG/L	0.006	0.007	0.002	0.003
Sulfides-Total	2.5 MG/L	ND	ND	0.65	0.32
Sulfides-Reactive	25000 MG/KG	NA	NA	NA	NA
Total Kjeldahl Nitrogen	24 MG/L	53.0	47.0	30.4	36.2

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

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

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

From: 01-JAN-2002 To: 31-DEC-2002

Source:		PLR	PLR	PLR	PLR
Date:		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Sample ID:	MDL Units	P130099	P138144	P180333	P188974
=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L	1860	2030	1740	1510
Antimony	230 UG/L	ND	ND	ND	<23
Arsenic	9 UG/L	1.72	1.83	NA	NA
Barium	100 UG/L	119	131	111	99
Beryllium	3.9 UG/L	ND	ND	ND	ND
Boron	150 UG/L	529	555	522	447
Cadmium	10 UG/L	ND	ND	<1.0	<1.0
Chromium	50 UG/L	ND	ND	8.0	ND
Cobalt	40 UG/L	ND	ND	ND	ND
Copper	40 UG/L	223	190	144	179
Iron	300 UG/L	6150	8620	7530	8310
Lead	180 UG/L	ND	ND	<18	ND
Manganese	40 UG/L	140	219	202	144
Mercury	13.5 UG/L	ND	<0.27	NA	NA
Molybdenum	30 UG/L	19.5	<3.0	4.1	8.4
Nickel	140 UG/L	ND	ND	ND	ND
Selenium	20 UG/L	1.58	1.14	NA	NA
Silver	66 UG/L	9.3	ND	<6.6	9.8
Thallium	400 UG/L	ND	<40	ND	ND
Vanadium	70 UG/L	ND	ND	7.9	<7.0
Zinc	40 UG/L	158	144	130	126
Bromide	.05 MG/L	1.35	1.42	1.74	1.19
Chloride	2 MG/L	538	579	623	632
Fluoride	.075 MG/L	0.66	0.88	1.25	0.94
Nitrate	.075 MG/L	ND	ND	0.28	0.20
Ortho Phosphate	.13 MG/L	6.53	5.03	5.54	4.36
Sulfate	1.3 MG/L	253	253	253	254
Calcium	.08 MG/L	91	96	91	82
Lithium	.01 MG/L	0.03	0.01	0.04	0.06
Magnesium	.02 MG/L	52	58	59	55
Potassium	2 MG/L	34	27	34	27
Sodium	.3 MG/L	345	378	384	373
Calcium Hardness	.2 MG/L	228	240	227	205
Magnesium Hardness	.08 MG/L	213	238	241	225
Total Hardness	.22 MG/L	441	478	468	430
Cyanides, Total	.025 MG/L	0.007	0.006	0.003	0.003
Sulfides-Total	2.5 MG/L	2.45	1.63	4.58	1.78
Sulfides-Reactive	25000 MG/KG	NA	NA	NA	NA
Total Kjeldahl Nitrogen	24 MG/L	76.9	93.9	49.9	50.5

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-2002 To: 31-DEC-2002

Source:			TJ INTERCEPT	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:				14-FEB-2002	14-MAY-2002	13-AUG-2002
Sample ID:	MDL Units			P130109	P138154	P180343
=====	=====	=====	=====	=====	=====	=====
Aluminum	500	UG/L	NS	1610	2430	4320
Antimony	230	UG/L	NS	ND	56	45
Arsenic	9	UG/L	NS	6.03	6.45	NA
Barium	100	UG/L	NS	127	137	186
Beryllium	3.9	UG/L	NS	ND	ND	ND
Boron	150	UG/L	NS	576	595	676
Cadmium	10	UG/L	NS	ND	1.3	ND
Chromium	50	UG/L	NS	<5.0	15.0	7.6
Cobalt	40	UG/L	NS	6.1	6.4	ND
Copper	40	UG/L	NS	146	124	279
Iron	300	UG/L	NS	16200	46000	26600
Lead	180	UG/L	NS	ND	ND	ND
Manganese	40	UG/L	NS	851	821	548
Mercury	13.5	UG/L	NS	ND	0.42	NA
Molybdenum	30	UG/L	NS	4.2	11.1	10.7
Nickel	140	UG/L	NS	17	18	19
Selenium	20	UG/L	NS	4.28	3.39	NA
Silver	66	UG/L	NS	8.7	ND	7.4
Thallium	400	UG/L	NS	ND	ND	ND
Vanadium	70	UG/L	NS	ND	ND	ND
Zinc	40	UG/L	NS	124	142	230
Bromide	.05	MG/L	NS	0.92	0.96	0.74
Chloride	2	MG/L	NS	531	674	651
Fluoride	.075	MG/L	NS	0.39	0.79	0.28
Nitrate	.075	MG/L	NS	14.20	16.90	8.17
Ortho Phosphate	.13	MG/L	NS	13.70	0.66	5.73
Sulfate	1.3	MG/L	NS	89	72	89
Calcium	.08	MG/L	NS	153	166	127
Lithium	.01	MG/L	NS	0.03	0.14	0.05
Magnesium	.02	MG/L	NS	55	61	61
Potassium	2	MG/L	NS	57	58	40
Sodium	.3	MG/L	NS	280	301	330
Calcium Hardness	.2	MG/L	NS	381	415	317
Magnesium Hardness	.08	MG/L	NS	228	253	251
Total Hardness	.22	MG/L	NS	609	668	567
Cyanides, Total	.025	MG/L	NS	0.032	0.047	0.015
Sulfides-Total	2.5	MG/L	NS	2.04	0.33	5.07
Sulfides-Reactive	25000	MG/KG	NS	NA	NA	NA
Total Kjeldahl Nitrogen	24	MG/L	NS	364.0	332.0	166.0

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-2002 To: 31-DEC-2002

Source:		MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL
Date:		15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002
Sample ID:	MDL Units	P188984	P130169	P138214	P180403
=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L	1840	315000	328000	347000
Antimony	230 UG/L	39	450	530	495
Arsenic	9 UG/L	NA	126.00	120.00	NA
Barium	100 UG/L	106	11800	10700	11500
Beryllium	3.9 UG/L	ND	<3.90	<3.90	<3.90
Boron	150 UG/L	510	1440	1630	3360
Cadmium	10 UG/L	2.0	<10.0	<11.0	<10.0
Chromium	50 UG/L	10.8	980.0	994.0	1240.0
Cobalt	40 UG/L	<4.0	<40.0	<40.0	<42.0
Copper	40 UG/L	241	13800	15600	26000
Iron	300 UG/L	34900	1180000	1180000	1320000
Lead	180 UG/L	28	420	780	380
Manganese	40 UG/L	1230	16000	15600	11700
Mercury	13.5 UG/L	NA	27.50	<6.75	NA
Molybdenum	30 UG/L	5.9	475.0	453.0	417.0
Nickel	140 UG/L	16	790	370	1380
Selenium	20 UG/L	NA	114.00	101.00	NA
Silver	66 UG/L	ND	742.0	863.0	827.0
Thallium	400 UG/L	ND	<400	<400	<400
Vanadium	70 UG/L	ND	293.0	176.0	225.0
Zinc	40 UG/L	107	14400	13000	12900
Bromide	.05 MG/L	0.81	0.79	1.05	0.47
Chloride	2 MG/L	684	1100	1230	1240
Fluoride	.075 MG/L	0.46	ND	0.35	0.58
Nitrate	.075 MG/L	15.10	0.70	0.64	1.19
Ortho Phosphate	.13 MG/L	5.72	3.37	0.07	ND
Sulfate	1.3 MG/L	87	15	17	25
Calcium	.08 MG/L	143	153	112	84
Lithium	.01 MG/L	0.05	0.05	0.09	0.07
Magnesium	.02 MG/L	60	68	64	65
Potassium	2 MG/L	47	78	63	56
Sodium	.3 MG/L	282	273	218	235
Calcium Hardness	.2 MG/L	356	NA	NA	NA
Magnesium Hardness	.08 MG/L	248	NA	NA	NA
Total Hardness	.22 MG/L	603	NA	NA	NA
Cyanides, Total	.025 MG/L	0.031	0.021	0.055	0.005
Sulfides-Total	2.5 MG/L	0.49	388.00	201.00	299.00
Sulfides-Reactive	25000 MG/KG	NA	7600	7880	21400
Total Kjeldahl Nitrogen	24 MG/L	329.0	2120.0	1990.0	1590.0

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-2002 To: 31-DEC-2002

Source:			MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL	MBC_NC_RSL
Date:			15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002
Sample ID:	MDL Units		P189044	P130167	P138212	P180401
=====	=====	=====	=====	=====	=====	=====
Aluminum	500 UG/L		387000	46900	20900	50700
Antimony	230 UG/L		360	<230	<230	<230
Arsenic	9 UG/L		NA	23.80	16.00	NA
Barium	100 UG/L		12000	1420	950	1330
Beryllium	3.9 UG/L		<3.90	<3.90	<3.90	<3.90
Boron	150 UG/L		1300	485	920	1310
Cadmium	10 UG/L		<10.0	<10.0	<10.0	<10.0
Chromium	50 UG/L		946.0	105.0	<50.0	<50.0
Cobalt	40 UG/L		82.0	61.0	53.0	<40.0
Copper	40 UG/L		40800	2550	908	3670
Iron	300 UG/L		1260000	61600	63700	84200
Lead	180 UG/L		<195	<180	<180	<180
Manganese	40 UG/L		14600	4060	6110	2230
Mercury	13.5 UG/L		NA	<13.50	<6.75	NA
Molybdenum	30 UG/L		<30.0	74.5	<30.0	40.0
Nickel	140 UG/L		1330	<140	<140	<140
Selenium	20 UG/L		NA	25.40	9.23	NA
Silver	66 UG/L		663.0	313.0	<66.0	111.0
Thallium	400 UG/L		<400	<400	<400	<400
Vanadium	70 UG/L		<89.5	<70.0	<70.0	<70.0
Zinc	40 UG/L		13400	1700	735	1370
Bromide	.05 MG/L		<0.05	0.41	43.20	0.41
Chloride	2 MG/L		1210	307	339	334
Fluoride	.075 MG/L		0.50	0.24	ND	0.24
Nitrate	.075 MG/L		1.52	0.06	ND	0.30
Ortho Phosphate	.13 MG/L		0.99	47.80	21.30	28.40
Sulfate	1.3 MG/L		35	134	14	118
Calcium	.08 MG/L		125	100	495	91
Lithium	.01 MG/L		0.02	0.06	0.05	0.05
Magnesium	.02 MG/L		53	43	81	42
Potassium	2 MG/L		52	33	42	24
Sodium	.3 MG/L		176	206	224	196
Calcium Hardness	.2 MG/L		NA	NA	NA	NA
Magnesium Hardness	.08 MG/L		NA	NA	NA	NA
Total Hardness	.22 MG/L		NA	NA	NA	NA
Cyanides, Total	.025 MG/L		0.042	0.023	0.014	0.007
Sulfides-Total	2.5 MG/L		282.00	72.00	39.00	50.00
Sulfides-Reactive	25000 MG/KG		14800	12000	<10300	38100
Total Kjeldahl Nitrogen	24 MG/L		1440.0	324.0	225.0	179.0

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-2002 To: 31-DEC-2002

Source:	MBC_NC_RSL		
Date:	15-OCT-2002		
Sample ID:	MDL Units	P189042	
=====	=====	=====	=====
Aluminum	500	UG/L	38900
Antimony	230	UG/L	<230
Arsenic	9	UG/L	NA
Barium	100	UG/L	1340
Beryllium	3.9	UG/L	<3.90
Boron	150	UG/L	460
Cadmium	10	UG/L	<10.0
Chromium	50	UG/L	<50.0
Cobalt	40	UG/L	<40.0
Copper	40	UG/L	5470
Iron	300	UG/L	99000
Lead	180	UG/L	<180
Manganese	40	UG/L	3310
Mercury	13.5	UG/L	NA
Molybdenum	30	UG/L	<30.0
Nickel	140	UG/L	<140
Selenium	20	UG/L	NA
Silver	66	UG/L	<66.0
Thallium	400	UG/L	<400
Vanadium	70	UG/L	<70.0
Zinc	40	UG/L	1390
Bromide	.05	MG/L	<0.05
Chloride	2	MG/L	422
Fluoride	.075	MG/L	0.36
Nitrate	.075	MG/L	0.51
Ortho Phosphate	.13	MG/L	21.30
Sulfate	1.3	MG/L	107
Calcium	.08	MG/L	75
Lithium	.01	MG/L	0.01
Magnesium	.02	MG/L	34
Potassium	2	MG/L	19
Sodium	.3	MG/L	155
Calcium Hardness	.2	MG/L	NA
Magnesium Hardness	.08	MG/L	NA
Total Hardness	.22	MG/L	NA
Cyanides, Total	.025	MG/L	<0.020
Sulfides-Total	2.5	MG/L	58.00
Sulfides-Reactive	25000	MG/KG	22400
Total Kjeldahl Nitrogen	24	MG/L	1600.0

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

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

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

From: 01-JAN-2002 To: 31-DEC-2002

Source:			RAW COMP	RAW COMP	RAW COMP	RAW COMP
Date:			12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Sample ID:	MDL Units		P130139	P138184	P180373	P189014
=====	=====	=====	=====	=====	=====	=====
Aluminum	35 MG/KG		6060	6690	6400	7510
Antimony	159 MG/KG		<112	<125	ND	ND
Arsenic	.68 MG/KG		1.65	1.52	4.52	1.36
Barium	1.59 MG/KG		309	347	302	333
Beryllium	.64 MG/KG		<0.5	<0.5	ND	ND
Boron	4.77 MG/KG		22	26	NA	20
Cadmium	15.9 MG/KG		<11	<13	ND	ND
Chromium	22.3 MG/KG		27	32	21	30
Cobalt	8.9 MG/KG		<6.2	<7.0	ND	ND
Copper	12.7 MG/KG		271	323	379	420
Iron	19.1 MG/KG		34800	48700	40400	50000
Lead	92.2 MG/KG		<65	<73	ND	ND
Manganese	2.54 MG/KG		118	168	173	129
Mercury	.38 MG/KG		1.05	0.55	NA	NA
Molybdenum	8.9 MG/KG		8.2	8.4	7.6	8.5
Nickel	12.7 MG/KG		<9	17	13	22
Selenium	1.52 MG/KG		1.86	1.54	3.40	2.21
Silver	9.54 MG/KG		8	13	16	15
Thallium	73.1 MG/KG		<51	<58	ND	ND
Vanadium	4.77 MG/KG		9	7	13	11
Zinc	159 MG/KG		400	475	486	503
Bromide	2.5 MG/KG		23.0	26.1	37.2	18.0
Chloride	200 MG/KG		12200	13900	17000	15700
Fluoride	.5 MG/KG		NA	NA	8.6	10.1
Nitrate	2.5 MG/KG		10.70	12.10	13.20	38.70
Ortho Phosphate	7.5 MG/KG		257.0	293.0	141.0	49.7
Sulfate	5 MG/KG		328	373	492	436
Calcium	MG/KG		NA	NA	NA	NA
Lithium	MG/KG		NA	NA	NA	NA
Magnesium	MG/KG		NA	NA	NA	NA
Potassium	MG/KG		NA	NA	NA	NA
Sodium	MG/KG		NA	NA	NA	NA
Cyanides, Total	.1 MG/KG		13.30	6.78	2.24	1.82
Cyanide, Releaseable	2.1 MG/KG		0.97	0.50	0.12	0.13
Sulfides-Total	50 MG/KG		19000	14600	31900	27600
Sulfides-Reactive	3820 MG/KG		4320	5930	10800	10500
Total Kjeldahl Nitrogen	.04 WT%		3.09	3.33	3.25	3.36

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

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

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

From: 01-JAN-2002 To: 31-DEC-2002

Source:			DIG COMP	DIG COMP	DIG COMP	DIG COMP
Date:			12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Sample ID:	MDL	Units	P130153	P138198	P180387	P189028
=====	=====	=====	=====	=====	=====	=====
Aluminum	35	MG/KG	10800	11200	11900	11500
Antimony	159	MG/KG	<159	<125	ND	ND
Arsenic	.68	MG/KG	5.09	4.70	5.16	3.66
Barium	1.59	MG/KG	572	568	551	566
Beryllium	.64	MG/KG	<0.6	<0.5	ND	ND
Boron	4.77	MG/KG	42	47	53	31
Cadmium	15.9	MG/KG	<16	<13	ND	ND
Chromium	22.3	MG/KG	53	55	37	47
Cobalt	8.9	MG/KG	<8.9	<7.0	ND	<2.8
Copper	12.7	MG/KG	446	551	680	689
Iron	19.1	MG/KG	61600	73900	73700	76100
Lead	92.2	MG/KG	<92	<73	ND	<29
Manganese	2.54	MG/KG	205	248	263	224
Mercury	.38	MG/KG	1.66	0.95	NA	NA
Molybdenum	8.9	MG/KG	14.3	12.8	8.3	19.0
Nickel	12.7	MG/KG	22	23	31	33
Selenium	1.52	MG/KG	5.08	4.26	5.85	4.79
Silver	9.54	MG/KG	23	19	25	19
Thallium	73.1	MG/KG	<73	<58	ND	ND
Vanadium	4.77	MG/KG	21	19	15	23
Zinc	159	MG/KG	745	785	849	868
Bromide	2.5	MG/KG	90.9	69.6	83.7	71.4
Chloride	200	MG/KG	34900	29500	30400	34300
Fluoride	.5	MG/KG	ND	NA	ND	27.6
Nitrate	2.5	MG/KG	105.00	70.80	81.70	66.80
Ortho Phosphate	7.5	MG/KG	822.0	939.0	228.0	764.0
Sulfate	5	MG/KG	1210	818	708	757
Calcium		MG/KG	NA	NA	NA	NA
Lithium		MG/KG	NA	NA	NA	NA
Magnesium		MG/KG	NA	NA	NA	NA
Potassium		MG/KG	NA	NA	NA	NA
Sodium		MG/KG	NA	NA	NA	NA
Cyanides, Total	.1	MG/KG	69.90	11.60	5.56	4.93
Cyanide, Releaseable	2.1	MG/KG	2.78	0.35	0.23	0.31
Sulfides-Total	50	MG/KG	28400	25300	45400	53300
Sulfides-Reactive	3820	MG/KG	6800	8460	21200	18500
Total Kjeldahl Nitrogen	.04	WT%	7.62	6.77	6.35	6.72

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

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

From: 01-JAN-2002 To: 31-DEC-2002

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			28-FEB-2002	31-MAY-2002	31-AUG-2002	31-OCT-2002
Sample ID:	MDL	Units	P132668	P172122	P185889	P193559
=====	=====	=====	=====	=====	=====	=====
Aluminum	35	MG/KG	13900	12700	13600	13300
Antimony	159	MG/KG	ND	ND	ND	ND
Arsenic	.68	MG/KG	6.16	4.99	5.89	4.05
Barium	1.59	MG/KG	485	510	430	381
Beryllium	.64	MG/KG	ND	ND	ND	ND
Boron	4.77	MG/KG	21	20	30	12
Cadmium	15.9	MG/KG	ND	ND	ND	ND
Chromium	22.3	MG/KG	63	55	55	55
Cobalt	8.9	MG/KG	<2.8	ND	<2.8	<2.8
Copper	12.7	MG/KG	618	598	769	860
Iron	19.1	MG/KG	72600	79100	82300	83000
Lead	92.2	MG/KG	31	37	<29	38
Manganese	2.54	MG/KG	346	326	338	302
Mercury	.38	MG/KG	1.27	0.80	0.97	ND
Molybdenum	8.9	MG/KG	17.4	14.9	20.1	21.6
Nickel	12.7	MG/KG	33	36	38	41
Selenium	1.52	MG/KG	5.11	4.34	10.20	4.81
Silver	9.54	MG/KG	30	29	31	25
Thallium	73.1	MG/KG	ND	ND	ND	ND
Vanadium	4.77	MG/KG	27	24	29	23
Zinc	159	MG/KG	871	836	908	891
Bromide	2.5	MG/KG	NA	NA	NA	NA
Chloride	200	MG/KG	NA	NA	NA	NA
Fluoride	.5	MG/KG	NA	NA	NA	NA
Nitrate	2.5	MG/KG	NA	NA	NA	NA
Ortho Phosphate	7.5	MG/KG	NA	NA	NA	NA
Sulfate	5	MG/KG	NA	NA	NA	NA
Calcium		MG/KG	NA	NA	NA	NA
Lithium		MG/KG	NA	NA	NA	NA
Magnesium		MG/KG	NA	NA	NA	NA
Potassium		MG/KG	NA	NA	NA	NA
Sodium		MG/KG	NA	NA	NA	NA
Cyanides, Total	.1	MG/KG	4.58	1.72	2.41	0.29
Cyanide, Releaseable	2.1	MG/KG	0.17	ND	ND	ND
Sulfides-Total	50	MG/KG	14100	18700	18200	17900
Sulfides-Reactive	3820	MG/KG	<217	<210	<223	<490
Total Kjeldahl Nitrogen	.04	WT%	4.42	3.71	4.59	4.41

ND= Not Detected
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 NR= Not Required

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

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

From: 01-JAN-2002 To: 31-DEC-2002

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

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	12-FEB-2002	P130094	1.5±1.3	37.1±4.7
PLE	14-MAY-2002	P138139	1.9±1.2	13.3±5.1
PLE	13-AUG-2002	P180328	1.8±1.0	12.2±4.5
PLE	15-OCT-2002	P188969	1.5±1.2	14.9±4.8
PLE	ANNUAL	AVERAGE	1.7±1.2	19.4±4.8

PLR	12-FEB-2002	P130099	2.0±1.3	37.9±4.7
PLR	14-MAY-2002	P138144	2.8±1.3	17.2±3.8
PLR	13-AUG-2002	P180333	3.8±1.6	15.2±4.8
PLR	15-OCT-2002	P188974	2.2±1.5	18.6±4.7
PLR	ANNUAL	AVERAGE	2.7±1.4	22.2±4.5

TJ INTERCEPT	^SAMPLE_DATE	^SAMPLE_ID	Ns*	NS*
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MBC_COMBCN	14-FEB-2002	P130109	0.3±1.4	61.3±8.2
MBC_COMBCN	14-MAY-2002	P138154	1.2±1.2	23.2±5.0
MBC_COMBCN	13-AUG-2002	P180343	2.6±1.6	4.6±5.4
MBC_COMBCN	15-OCT-2002	P188984	-1.3±0.9	32.7±6.4
MBC_COMBCN	ANNUAL	AVERAGE	0.7±1.3	30.5±6.2

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 Commission's staff reports and our sections flow meter data, there was very little flow of wastewater through th Tijuana Interceptor for 2001. Consequently, no samples were obtained.

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

From: 01-JAN-2002 To: 31-DEC-2002

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

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
RAW COMP			NR	NR
RAW COMP	ANNUAL	AVERAGE	NR	NR
DIG COMP			NR	NR
DIG COMP	ANNUAL	AVERAGE	NR	NR
MBCDEWCN	28-FEB-2002	P132668	3560±1090	3060±1050
MBCDEWCN	31-MAY-2002	P172122	4020±2040	2440±1140
MBCDEWCN	31-AUG-2002	P185889	3580±2075	2800±1235
MBCDEWCN	31-OCT-2002	P193559	3460±1710	4650±1380
MBCDEWCN	ANNUAL	AVERAGE	3655±1729	3238±1201

Units in picocuries per Kilogram (pCi/Kg)

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT - Chlorinated Pesticide Analysis, EPA Method 608 (with additions)
 From 01-JAN-2002 To 31-DEC-2002

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2002 P130094	14-MAY-2002 P138139	13-AUG-2002 P180328	15-OCT-2002 P188969	12-FEB-2002 P130099	14-MAY-2002 P138144
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	17.0	ND	15.5	ND	35.0	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	17.0	0.0	15.5	0.0	35.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	17.0	0.0	15.5	0.0	35.0	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-2002 To 31-DEC-2002

Sampling: AM Analysis: SV

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			13-AUG-2002 P180333	15-OCT-2002 P188974	14-FEB-2002 P130109	14-MAY-2002 P138154	13-AUG-2002 P180343	15-OCT-2002 P188984
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	45.0	26.0	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	45.0	26.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	45.0	26.0	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-2002 To 31-DEC-2002

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
			12-FEB-2002 P130169	14-MAY-2002 P138214	13-AUG-2002 P180403	15-OCT-2002 P189044	12-FEB-2002 P130167	14-MAY-2002 P138212
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	0.0	0.0	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-2002 To 31-DEC-2002

Sampling: AM Analysis: SV

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL	RAW COMP	RAW COMP	RAW COMP	RAW COMP
			13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
			P180401	P189042	P130139	P138184	P180373	P189014
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	1800.0	ND	690.0	1900.0
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Endosulfans	30	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	80	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	1800.0	0.0	690.0	1900.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	1800.0	0.0	690.0	1900.0

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-2002 To 31-DEC-2002

Sampling: AM Analysis: SV

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	DIG COMP
			12-FEB-2002 P130153	14-MAY-2002 P138198	13-AUG-2002 P180387	15-OCT-2002 P189028
Aldrin	60	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	555.0	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND
Heptachlors	20	NG/L	0.0	0.0	0.0	0.0
Endosulfans	30	NG/L	0.0	0.0	0.0	0.0
Polychlorinated biphenyls	4000	NG/L	0.0	0.0	0.0	0.0
Chlordane + related cmpds.	80	NG/L	0.0	0.0	0.0	0.0
DDT and derivatives	100	NG/L	0.0	0.0	0.0	0.0
Hexachlorocyclohexanes	20	NG/L	0.0	0.0	555.0	0.0
Aldrin + Dieldrin	60	NG/L	0.0	0.0	0.0	0.0
Chlorinated Hydrocarbons	4000	NG/L	0.0	0.0	555.0	0.0

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"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
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2002 To 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2002 P130538	28-FEB-2002 P132668	31-MAR-2002 P134917	30-APR-2002 P138469	31-MAY-2002 P172122
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	<18000	ND	ND	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	52000	ND	ND	44000	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	ND	ND	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	52000	0	0	44000	0
Chlordane + related cmpds.	48000	NG/KG	0	0	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	52000	0	0	44000	0

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POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2002 To 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-JUN-2002 P175397	31-JUL-2002 P182161	31-AUG-2002 P185889	30-SEP-2002 P189535	31-OCT-2002 P193559
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	26500	ND	21000	<18000	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	43000	38500	49500	34500	31000
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	<18000	ND	ND	ND	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	26500	0	21000	0	0
DDT and derivatives	71000	NG/KG	43000	38500	49500	34500	31000
Chlordane + related cmpds.	48000	NG/KG	0	0	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	69500	38500	70500	34500	31000

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

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POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2002 To 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	Annual Average
			30-NOV-2002 P196905	31-DEC-2002 P199870	
Aldrin	71000	NG/KG	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	3958
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND
p,p-DDE	28000	NG/KG	<28000	41000	27792
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	0
Cis Nonachlor	52000	NG/KG	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0	3958
DDT and derivatives	71000	NG/KG	0	41000	27792
Chlordane + related cmpds.	48000	NG/KG	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	41000	31750

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

"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-2002 To 31-DEC-2002

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

Analyte	MDL Units	PLE	PLE	PLR	MBC_COMBCN	MBC_NC_DSL
		25-JUN-2002 P175051	15-OCT-2002 P188969	15-OCT-2002 P188974	15-OCT-2002 P188984	15-OCT-2002 P189044
Demeton O	.09 UG/L	ND	ND	ND	ND	ND
Demeton S	.05 UG/L	ND	ND	ND	ND	ND
Diazinon	.07 UG/L	0.1	0.1	0.2	ND	ND
Guthion	.21 UG/L	ND	ND	ND	ND	ND
Malathion	.04 UG/L	0.1	0.2	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.21 UG/L	0.1	0.2	0.0	0.0	0.0
Demeton -O, -S	.09 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.21 UG/L	0.3	0.6	0.3	0.0	0.0

Additional compounds..

Analyte	MDL Units	PLE	PLE	PLR	MBC_COMBCN	MBC_NC_DSL
Tetraethylpyrophosphate	UG/L	ND	NA	NA	NA	NA
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	0.1	0.1	0.1	ND	ND
Monocrotophos	UG/L	ND	0.2	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
Mevinphos, e isomer	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.05 UG/L	ND	ND	ND	ND	ND

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

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

From 01-JAN-2002 To 31-DEC-2002

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

Analyte	MDL Units	MBC_NC_RSL	RAW COMP	DIG COMP	TJ INTERCEPT
		15-OCT-2002 P189042	15-OCT-2002 P189014	15-OCT-2002 P189028	
Demeton O	.09 UG/L	ND	ND	ND	NS
Demeton S	.05 UG/L	ND	ND	ND	NS
Diazinon	.07 UG/L	ND	ND	ND	NS
Guthion	.21 UG/L	ND	ND	ND	NS
Malathion	.04 UG/L	ND	ND	ND	NS
Parathion	.03 UG/L	ND	ND	ND	NS
Thiophosphorus Pesticides	.21 UG/L	0.0	0.0	0.0	NS
Demeton -O, -S	.09 UG/L	0.0	0.0	0.0	NS
Total Organophosphorus Pesticides	.21 UG/L	0.0	0.0	0.0	NS

Additional compounds...

Analyte	MDL Units	MBC_NC_RSL	RAW COMP	DIG COMP	TJ INTERCEPT
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NS
Dichlorvos	UG/L	ND	ND	ND	NS
Dibrom	UG/L	ND	ND	ND	NS
Ethoprop	UG/L	ND	ND	ND	NS
Phorate	UG/L	ND	ND	ND	NS
Sulfotepp	UG/L	ND	ND	ND	NS
Disulfoton	UG/L	ND	ND	ND	NS
Monocrotophos	UG/L	ND	ND	ND	NS
Dimethoate	UG/L	ND	ND	ND	NS
Ronnel	UG/L	ND	ND	ND	NS
Trichloronate	UG/L	ND	ND	ND	NS
Merphos	UG/L	ND	ND	ND	NS
Dichlofenthion	UG/L	ND	ND	ND	NS
Tokuthion	UG/L	ND	ND	ND	NS
Stirophos	UG/L	ND	ND	ND	NS
Bolstar	UG/L	ND	ND	ND	NS
Fensulfothion	UG/L	ND	ND	ND	NS
EPN	UG/L	ND	ND	ND	NS
Coumaphos	UG/L	ND	ND	ND	NS
Mevinphos, e isomer	UG/L	ND	ND	ND	NS
Mevinphos, z isomer	UG/L	ND	ND	ND	NS
Chlorpyrifos	.05 UG/L	ND	ND	ND	NS

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

POINT LOMA WASTEWATER TREATMENT PLANT
 From 01-JAN-2002 To 31-DEC-2002
 QUARTERLY SLUDGE PROJECT
 Tributyl Tin (Sewage)

	PLE 12-FEB-2002 P130094	PLE 14-MAY-2002 P138139	PLE 13-AUG-2002 P180328	PLE 15-OCT-2002 P188969	PLR 12-FEB-2002 P130099	PLR 14-MAY-2002 P138144	PLR 13-AUG-2002 P180333
Monobutyl Tin	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	ND	ND	ND	ND	ND	ND	ND
	PLR 15-OCT-2002 P188974	MBC_COMBCN 14-FEB-2002 P130109	MBC_COMBCN 14-MAY-2002 P138154	MBC_COMBCN 13-AUG-2002 P180343	MBC_COMBCN 15-OCT-2002 P188984	MBCDEWCN 31-OCT-2002 P193559	
Monobutyl Tin	ND	ND	ND	ND	ND	ND	
Tributyl tin	ND	ND	ND	ND	ND	ND	

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

POINT LOMA WASTEWATER TREATMENT PLANT

Quarterly Sludge Project
 Herbicide Analysis
 From 01-JAN-2002 To 31-DEC-2002

Sampling: AM Analysis: KD

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	31-JAN-2002	31-MAR-2002	30-APR-2002	30-JUN-2002
=====	=====	=====	P130538	P134917	P138469	P175397
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND	ND

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	31-JUL-2002	30-SEP-2002	30-NOV-2002	31-DEC-2002
=====	=====	=====	P182161	P189535	P196905	P199870
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 Quarterly Sludge Project - PRIORITY POLLUTANT ANALYSIS-ACID EXTRACTABLE COMPOUNDS, EPA Method 625
 From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2002 P130094	14-MAY-2002 P138139	13-AUG-2002 P180328	15-OCT-2002 P188969	12-FEB-2002 P130099	14-MAY-2002 P138144
2-chlorophenol	63.7	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	70.6	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	48.5	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	63.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	212	UG/L	ND	ND	ND	ND	ND	ND
Phenol	91.6	UG/L	19.90	14.60	8.80	9.70	19.30	16.60
2-nitrophenol	68	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	47.8	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	218	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	115	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	155	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	54.7	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	159	UG/L	ND	ND	ND	NA	ND	ND
4-methylphenol(3-MP is unresolved)	153	UG/L	60.70	42.90	25.50	33.30	75.10	48.60
2,4,5-trichlorophenol	60.1	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	212	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	218	UG/L	19.90	14.60	8.80	9.70	19.30	16.60
Phenols	218	UG/L	19.90	14.60	8.80	9.70	19.30	16.60

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			13-AUG-2002 P180333	15-OCT-2002 P188974	14-FEB-2002 P130109	14-MAY-2002 P138154	13-AUG-2002 P180343	15-OCT-2002 P188984
2-chlorophenol	63.7	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	70.6	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	48.5	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	63.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	212	UG/L	ND	ND	ND	ND	ND	ND
Phenol	91.6	UG/L	14.40	13.90	8.55	ND	ND	4.70
2-nitrophenol	68	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	47.8	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	218	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	115	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	155	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	54.7	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	159	UG/L	ND	NA	ND	ND	ND	NA
4-methylphenol(3-MP is unresolved)	153	UG/L	46.60	46.00	ND	ND	ND	ND
2,4,5-trichlorophenol	60.1	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	212	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	218	UG/L	14.40	13.90	8.55	0.00	0.00	4.70
Phenols	218	UG/L	14.40	13.90	8.55	0.00	0.00	4.70

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-2002 to 31-DEC-2002

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

Analyte	MDL	Units	RAW COMP	RAW COMP	RAW COMP	DIG COMP	DIG COMP	DIG COMP
			12-FEB-2002 P130139	13-AUG-2002 P180373	15-OCT-2002 P189014	12-FEB-2002 P130153	14-MAY-2002 P138198	13-AUG-2002 P180387
2-chlorophenol	63.7	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	70.6	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	48.5	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	63.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	212	UG/L	ND	ND	ND	ND	ND	ND
Phenol	91.6	UG/L	125.00	68.30	ND	ND	ND	ND
2-nitrophenol	68	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	47.8	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	218	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	115	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	155	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	54.7	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	159	UG/L	ND	ND	NA	ND	ND	ND
4-methylphenol(3-MP is unresolved)	153	UG/L	1650.00	1440.00	2780.00	ND	ND	ND
2,4,5-trichlorophenol	60.1	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	212	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	218	UG/L	125.00	68.30	0.00	0.00	0.00	0.00
Phenols	218	UG/L	125.00	68.30	0.00	0.00	0.00	0.00

Analyte	MDL	Units	DIG COMP	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL
			15-OCT-2002 P189028	12-FEB-2002 P130169	14-MAY-2002 P138214	13-AUG-2002 P180403	15-OCT-2002 P189044	14-MAY-2002 P138212
2-chlorophenol	63.7	UG/L	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	70.6	UG/L	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	48.5	UG/L	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	63.4	UG/L	ND	ND	ND	ND	ND	ND
Pentachlorophenol	212	UG/L	ND	ND	ND	ND	ND	ND
Phenol	91.6	UG/L	ND	ND	ND	ND	ND	296.00
2-nitrophenol	68	UG/L	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	47.8	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	218	UG/L	ND	ND	ND	ND	ND	ND
4-nitrophenol	115	UG/L	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	155	UG/L	ND	ND	ND	ND	ND	ND
2-methylphenol	54.7	UG/L	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	159	UG/L	NA	ND	ND	ND	NA	ND
4-methylphenol(3-MP is unresolved)	153	UG/L	ND	ND	ND	ND	29.50	4050.00
2,4,5-trichlorophenol	60.1	UG/L	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	212	UG/L	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	218	UG/L	0.00	0.00	0.00	0.00	0.00	296.00
Phenols	218	UG/L	0.00	0.00	0.00	0.00	0.00	296.00

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-2002 to 31-DEC-2002

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

Analyte	MDL	Units	MBC_NC_RSL	MBC_NC_RSL
			13-AUG-2002	15-OCT-2002
			P180401	P189042
2-chlorophenol	63.7	UG/L	ND	ND
2,4-dichlorophenol	70.6	UG/L	ND	ND
4-chloro-3-methylphenol	48.5	UG/L	ND	ND
2,4,6-trichlorophenol	63.4	UG/L	ND	ND
Pentachlorophenol	212	UG/L	ND	ND
Phenol	91.6	UG/L	ND	62.10
2-nitrophenol	68	UG/L	ND	ND
2,4-dimethylphenol	47.8	UG/L	ND	ND
2,4-dinitrophenol	218	UG/L	ND	ND
4-nitrophenol	115	UG/L	ND	ND
2-methyl-4,6-dinitrophenol	155	UG/L	ND	ND
2-methylphenol	54.7	UG/L	ND	ND
3-methylphenol(4-MP is unresolved)	159	UG/L	ND	NA
4-methylphenol(3-MP is unresolved)	153	UG/L	201.00	464.00
2,4,5-trichlorophenol	60.1	UG/L	ND	ND
Total Chlorinated Phenols	212	UG/L	0.00	0.00
Total Non-Chlorinated Phenols	218	UG/L	0.00	62.10
Phenols	218	UG/L	0.00	62.10

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE
Phenolics

From 01-JAN-2002 to 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average 4000 UG/KG
			28-FEB-2002 P132668	31-MAY-2002 P172122	31-AUG-2002 P185889	31-OCT-2002 P193559	
2,4,6-trichlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dichlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dimethylphenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dinitrophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2-methyl-4,6-dinitrophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
2-chlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2-nitrophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
4-chloro-3-methylphenol	1650	UG/KG	<1650	<830	<1650	ND	208
4-nitrophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
Pentachlorophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
Phenol	1650	UG/KG	113000	73300	53700	61900	75475
Total Non-Chlorinated Phenols	4000	UG/KG	162100	197300	130000	133100	155625
Total Chlorinated Phenols	4000	UG/KG	0	830	0	0	208
Phenols	4000	UG/KG	162100	198130	130000	133100	155833
Phenols average	4000	UG/KG	10273	6739	4882	5627	6880

Additional analytes determined:

2-methylphenol	1650	UG/KG	<1650	<1650	<1650	ND	0
3-methylphenol(4-MP is unresolved)	1650	UG/KG	<1650	ND	<1650	ND	0
4-methylphenol(3-MP is unresolved)	1650	UG/KG	49100	124000	76300	71200	80150
2,4,5-trichlorophenol	4000	UG/KG	<4000	<4000	<4000	ND	0

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

MDL based on 1 liter sample

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE
Phenolics

From 01-JAN-2002 to 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average
			28-FEB-2002 P132668	31-MAY-2002 P172122	31-AUG-2002 P185889	31-OCT-2002 P193559	
2,4,6-trichlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dichlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dimethylphenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2,4-dinitrophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2-methyl-4,6-dinitrophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
2-chlorophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
2-nitrophenol	1650	UG/KG	<1650	<1650	<1650	ND	0
4-chloro-3-methylphenol	1650	UG/KG	<1650	<830	<1650	ND	208
4-nitrophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
Pentachlorophenol	4000	UG/KG	<4000	<4000	<4000	ND	0
Phenol	1650	UG/KG	113000	73300	53700	61900	75475
Total Non-Chlorinated Phenols	4000	UG/KG	162100	197300	130000	133100	155625
Total Chlorinated Phenols	4000	UG/KG	0	830	0	0	208
Phenols	4000	UG/KG	162100	198130	130000	133100	155833
Phenols average	4000	UG/KG	10273	6739	4882	5627	6880

Additional analytes determined:

2-methylphenol	1650	UG/KG	<1650	<1650	<1650	ND	0
3-methylphenol(4-MP is unresolved)	1650	UG/KG	<1650	ND	<1650	ND	0
4-methylphenol(3-MP is unresolved)	1650	UG/KG	49100	124000	76300	71200	80150
2,4,5-trichlorophenol	4000	UG/KG	<4000	<4000	<4000	ND	0

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

POINT LOMA WASTEWATER TREATMENT PLANT
SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			13-FEB-2002 P130097	15-MAY-2002 P138142	14-AUG-2002 P180331	16-OCT-2002 P188972	13-FEB-2002 P130102	15-MAY-2002 P138147
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	<1.0	ND	ND	ND	ND	ND
Vinyl chloride	1	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	2	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.5	2.8	3.7	4.9	1.9	2.0
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	4.3	5.6	4.1	ND	4.9	4.6
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	<1.0	ND	ND	ND	1.3	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	1.0	ND	ND	ND	1.0	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	*	ND	ND	ND	*	ND
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.9	1.9	1.8	2.2	ND	ND
Ethylbenzene	1	UG/L	ND	ND	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	1.0	0.0	0.0	0.0	2.3	0.0
Purgeable Compounds	13.8	UG/L	8.7	10.3	9.6	7.1	9.1	6.6

Additional analytes 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	403.0	*	1010.0	859.0	285.0	*
Carbon disulfide	1	UG/L	1.1	*	1.9	1.4	1.1	*
2-butanone	4	UG/L	ND	*	12.7	ND	ND	*
Methyl tert-butyl ether	1	UG/L	2.0	*	1.2	3.4	1.5	*

nd= not detected, NA= not analyzed, NS= not sampled, * = Non reportable

POINT LOMA WASTEWATER TREATMENT PLANT
SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			14-AUG-2002 P180336	16-OCT-2002 P188977	15-FEB-2002 P130112	15-MAY-2002 P138157	14-AUG-2002 P180346	16-OCT-2002 P188987
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	2.0	3.6	1.5	ND	1.5	2.0
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.7	ND	2.7	2.3	2.2	ND
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND	*	ND	ND	ND
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.1	2.5	4.6	1.4	1.5	4.4
Ethylbenzene	1	UG/L	ND	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	0.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	6.8	6.1	8.8	3.7	5.2	6.4

Additional analytes 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	388.0	1480.0	183.0	*	148.0	234.0
Carbon disulfide	1	UG/L	ND	1.8	4.0	*	5.5	1.2
2-butanone	4	UG/L	8.1	ND	ND	*	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	4.6	1.3	*	ND	1.3

nd= not detected, NA= not analyzed, NS= not sampled *= non reportable

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

From 01-JAN-2002 To 31-DEC-2002

NO FLOW, NO DATA TJ INTERCEPT

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	DIG COMP	DIG COMP	DIG COMP	RAW COMP	RAW COMP	RAW COMP
			12-FEB-2002 P130153	14-MAY-2002 P138198	13-AUG-2002 P180387	12-FEB-2002 P130139	14-MAY-2002 P138184	13-AUG-2002 P180373
Chloromethane	25.8	UG/KG	2060.0	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	151.0	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	1170000.0	878.0	216.0	45100.0	2810.0	261.0
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	141.0	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	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	455.0	586.0	153.0
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	ND	379.0	115.0	362.0
Ethylbenzene	90.5	UG/KG	157.0	ND	ND	ND	ND	117.0
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	29.2	UG/KG	2211.0	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	275	UG/KG	1172368.0	878.0	216.0	46075.0	3511.0	893.0

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	156.0	ND	96.0	340.0	ND	564.0
Styrene	19	UG/KG	ND	ND	ND	1580.0	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	100.0
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	164.0	ND	249.0
Acetone	185	UG/KG	ND	ND	ND	32000.0	20600.0	40600.0
Carbon disulfide	34	UG/KG	330.0	178.0	219.0	891.0	ND	1350.0
2-butanone		UG/KG	ND	ND	1470.0	2650.0	ND	2810.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT- Priority Pollutants Purgeable Compounds, EPA Method 624
 From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
			12-FEB-2002 P130169	14-MAY-2002 P138214	12-FEB-2002 P130167	14-MAY-2002 P138212
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	1480.0	ND	3340.0	79.6
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	17	UG/KG	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	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	252.0	ND	689.0	3210.0
Ethylbenzene	90.5	UG/KG	ND	ND	ND	114.0
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	1732.0	0.0	4029.0	3403.6

Additional analytes determined;

Analyte	MDL	Units	MBC_NC_DSL 12-FEB-2002 P130169	MBC_NC_DSL 14-MAY-2002 P138214	MBC_NC_RSL 12-FEB-2002 P130167	MBC_NC_RSL 14-MAY-2002 P138212
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	153.0
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	110.0
Acetone	185	UG/KG	5630.0	ND	27300.0	16600.0
Carbon disulfide	34	UG/KG	236.0	ND	8030.0	300.0
2-butanone		UG/KG	ND	ND	ND	5000.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables
From 01-JAN-2002 to 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2002	28-FEB-2002	31-MAR-2002	30-JUN-2002	31-JUL-2002	31-AUG-2002
			P130538	P132668	P134917	P175397	P182161	P185889
Chloromethane	25.8	UG/KG	ND	ND	ND	42	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	35	ND	33	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	59	56	ND	65	<34	57
Acetone	185	UG/KG	8960	5410	1460	8200	3410	4840
Methylene chloride	62.5	UG/KG	ND	ND	ND	5240	ND	ND
trans-1,2-dichloroethene	25	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	6580	2910	1010	4920	1290	2120
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	17	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	33	37	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	90.5	UG/KG	<26	86	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	284	390	53	393	312	451
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	15632	8534	2470	18500	4700	7017

Additional analytes determined:

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	77	ND	ND
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	NA	ND
Dibromofluoromethane		UG/KG	830	875	690	841	746	780
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	<35	53	ND	54	ND	43
ortho-xylene	23	UG/KG	<23	28	ND	<23	ND	24
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	<19	26	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables
From 01-JAN-2002 to 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average
			30-SEP-2002 P189535	31-OCT-2002 P193559	30-NOV-2002 P196905	31-DEC-2002 P199870	
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	4
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	7
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	93	446	582	88	145
Acetone	185	UG/KG	9830	9210	21600	14000	8692
Methylene chloride	62.5	UG/KG	75	ND	ND	*	591
trans-1,2-dichloroethene	25	UG/KG	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND
2-butanone		UG/KG	5300	4530	9170	15900	5373
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND
Carbon tetrachloride	17	UG/KG	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	<48	ND	ND	7
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	99	ND	19
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND
1,3-dichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	365	630	654	494	403
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	15298	14186	31451	29988	14778

Additional analytes determined:

Acrolein	70.9	UG/KG	ND	ND	ND	*	ND
Methyl Iodide	19	UG/KG	ND	ND	30	ND	11
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	800	837	726	790	792
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	40	212	172	63	64
ortho-xylene	23	UG/KG	ND	94	91	<23	24
Isopropylbenzene	17	UG/KG	ND	40	40	<17	8
Styrene	19	UG/KG	ND	<19	57	28	11
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605
 From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLR	PLR
			12-FEB-2002 P130094	14-MAY-2002 P138139	13-AUG-2002 P180328	15-OCT-2002 P188969	12-FEB-2002 P130099	14-MAY-2002 P138144
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	<2.3	ND	ND	ND	3.7
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	11.1	ND	7.3	ND	9.6
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	<10.4	ND	ND	49.8	16.7	18.7
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	26.3	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	11.1	0.0	83.4	16.7	32.0

Additional analytes determined:

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

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

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY SLUDGE PROJECT
 Priority Pollutants Base/Neutral Compounds, EPA Method 625 & 605
 From 01-JAN-2002 to 31-DEC-2002

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

Analyte	MDL	Units	PLR	PLR	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
			13-AUG-2002 P180333	15-OCT-2002 P188974	14-FEB-2002 P130109	13-AUG-2002 P180343	15-OCT-2002 P188984
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	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
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	7.5	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	12.9
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	17.1	55.0	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	23.9	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	17.1	86.4	0.0	0.0	12.9

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

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-2002 to 31-DEC-2002

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

Analyte	MDL	Units	MBC_NC_RSL
			14-MAY-2002 P138212
bis(2-chloroethyl) ether	2.62	UG/L	ND
1,3-dichlorobenzene	1.65	UG/L	ND
1,2-dichlorobenzene	1.63	UG/L	ND
1,4-dichlorobenzene	2.3	UG/L	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND
Nitrobenzene	1.52	UG/L	ND
Hexachloroethane	3.55	UG/L	ND
Isophorone	1.93	UG/L	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND
Naphthalene	1.52	UG/L	ND
Hexachlorobutadiene	2.87	UG/L	ND
Hexachlorocyclopentadiene		UG/L	ND
2-chloronaphthalene	2.41	UG/L	ND
Acenaphthylene	2.02	UG/L	ND
Dimethyl phthalate	3.26	UG/L	ND
2,6-dinitrotoluene	1.93	UG/L	ND
Acenaphthene	2.2	UG/L	ND
2,4-dinitrotoluene	1.49	UG/L	ND
Fluorene	2.43	UG/L	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND
Diethyl phthalate	6.97	UG/L	ND
N-nitrosodiphenylamine	2.96	UG/L	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND
Hexachlorobenzene	4.8	UG/L	ND
Phenanthrene	4.15	UG/L	ND
Anthracene	4.04	UG/L	ND
Di-n-butyl phthalate	6.49	UG/L	26.2
N-nitrosodimethylamine	2.01	UG/L	ND
Fluoranthene	6.9	UG/L	ND
Pyrene	5.19	UG/L	ND
Butyl benzyl phthalate	4.77	UG/L	ND
Chrysene	7.49	UG/L	ND
Benzo[A]anthracene	7.68	UG/L	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	370.0
Di-n-octyl phthalate	8.59	UG/L	ND
Benzo[K]fluoranthene	7.36	UG/L	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND
Benzo[A]pyrene	6.53	UG/L	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND
1,2-diphenylhydrazine	2.49	UG/L	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0
Base/Neutral Compounds	10.43	UG/L	396.2

Additional analytes determined:

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

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

POINT LOMA WASTEWATER TREATMENT PLANT

From 01-JAN-2002 to 31-DEC-2002

ANNUAL SLUDGE

Base/Neutrals

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2002 P132668	31-MAY-2002 P172122	31-AUG-2002 P185889	31-OCT-2002 P193559
bis(2-chloroethyl) ether	1650	UG/KG	ND	<1650	<1650	ND
1,3-dichlorobenzene	1650	UG/KG	ND	<1650	<1650	ND
1,4-dichlorobenzene	1650	UG/KG	ND	<1650	<1650	ND
1,2-dichlorobenzene	1650	UG/KG	ND	<1650	<1650	ND
Bis-(2-chloroisopropyl) ether	1650	UG/KG	ND	<1650	<1650	ND
N-nitrosodi-n-propylamine	1650	UG/KG	ND	<1650	<1650	ND
Nitrobenzene	1650	UG/KG	ND	<1650	<1650	ND
Hexachloroethane	1650	UG/KG	ND	<1650	<1650	ND
Isophorone	1650	UG/KG	ND	<1650	<1650	ND
bis(2-chloroethoxy)methane	1650	UG/KG	ND	<1650	<1650	ND
1,2,4-trichlorobenzene	1650	UG/KG	ND	<1650	<1650	ND
Naphthalene	1650	UG/KG	ND	<1650	<1650	<1650
Hexachlorobutadiene	1650	UG/KG	ND	<1650	<1650	ND
Hexachlorocyclopentadiene	1650	UG/KG	ND	<1650	<1650	ND
2-chloronaphthalene	1650	UG/KG	ND	<1650	<1650	ND
Acenaphthylene	1650	UG/KG	ND	<1650	<1650	ND
Dimethyl phthalate	1650	UG/KG	ND	<1650	2110	ND
2,6-dinitrotoluene	1650	UG/KG	ND	<1650	<1650	ND
Acenaphthene	1650	UG/KG	ND	<1650	<1650	ND
2,4-dinitrotoluene	1650	UG/KG	ND	<1650	<1650	ND
Fluorene	1650	UG/KG	ND	<1650	<1650	ND
4-chlorophenyl phenyl ether	1650	UG/KG	ND	<1650	<1650	ND
Diethyl phthalate	1650	UG/KG	ND	<1650	<1650	ND
N-nitrosodiphenylamine	1650	UG/KG	ND	<1650	<1650	ND
4-bromophenyl phenyl ether	1650	UG/KG	ND	<1650	<1650	ND
Hexachlorobenzene	1650	UG/KG	ND	<1650	<1650	ND
Phenanthrene	1650	UG/KG	ND	1810	<1650	3530
Anthracene	1650	UG/KG	ND	<1650	<1650	ND
Di-n-butyl phthalate	1650	UG/KG	965	<870	<1650	ND
N-nitrosodimethylamine	1650	UG/KG	ND	<1650	<1650	ND
Fluoranthene	1650	UG/KG	ND	<1650	<1650	ND
Pyrene	1650	UG/KG	ND	<1650	<1650	ND
Butyl benzyl phthalate	1650	UG/KG	6780	7190	7420	7780
Chrysene	1650	UG/KG	ND	<1650	<1650	ND
Benzo[A]anthracene	1650	UG/KG	ND	<1650	<1650	ND
Bis-(2-ethylhexyl) phthalate	1650	UG/KG	141000	148000	156000	153000
Di-n-octyl phthalate	1650	UG/KG	10100	9920	15800	9520
Benzo[K]fluoranthene	1650	UG/KG	ND	<1650	<1650	ND
3,4-benzo(B)fluoranthene	1650	UG/KG	ND	<1650	<1650	ND
Benzo[A]pyrene	1650	UG/KG	ND	<1650	<1650	ND
Indeno(1,2,3-CD)pyrene	1650	UG/KG	ND	<1650	<1650	ND
Dibenzo(A,H)anthracene	1650	UG/KG	ND	<1650	<1650	ND
Benzo[G,H,I]perylene	1650	UG/KG	ND	<1650	<1650	ND
1,2-diphenylhydrazine	1650	UG/KG	ND	<1650	<1650	ND
===== PolyNuc. Aromatic Hydrocarbons	1650	UG/KG	0	1810	0	3530
Dichlorobenzenes	1650	UG/KG	0	0	0	0
===== Base/Neutral Compounds	1650	UG/KG	158845	167790	181330	173830

Additional analytes determined;

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2002	31-MAY-2002	31-AUG-2002	31-OCT-2002
			P132668	P172122	P185889	P193559
1-methylnaphthalene	1650	UG/KG	ND	1720	<1650	3190
2-methylnaphthalene	1650	UG/KG	ND	2260	1850	4770
2,6-dimethylnaphthalene	1650	UG/KG	2650	3110	3710	7200
2,3,5-trimethylnaphthalene	1650	UG/KG	ND	<1650	<1650	4400
1-methylphenanthrene	1650	UG/KG	ND	<1650	<1650	ND
Benzo[e]pyrene	1650	UG/KG	ND	<1650	<1650	ND
Perylene	1650	UG/KG	ND	<1650	<1650	ND
Biphenyl	1650	UG/KG	ND	<1650	<1650	ND
Pyridine	1650	UG/KG	ND	<1650	<1650	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2002 to 31-DEC-2002

Sampled by: A. Martinez
Analyzed by: Pacific Analytical Inc.

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE
				JAN	FEB	MAR	APR	MAY	JUN
				P128540	P130094	P132995	P135388	P138139	P172172
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	<50.000	ND	ND	ND	ND
octa CDD	100	PG/L	0.001	ND	ND	<100.000	ND	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
				P175848	P180328	P186420	P188969	P194180	P197141
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	ND	ND	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

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-2002 to 31-DEC-2002

Sampled by: A. Martinez
Analyzed by: Pacific Analytical Inc.

TCDD Equivalents for:

Analyte	MDL Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE
		TCDD JAN	TCDD FEB	TCDD MAR	TCDD APR	TCDD MAY	TCDD JUN	TCDD JUL
		P128540	P130094	P132995	P135388	P138139	P172172	P175848
2,3,7,8-tetra CDD	10 PG/L	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50 PG/L	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
1,2,3,6,7,8-hexa CDD	50 PG/L	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
1,2,3,4,6,7,8-hepta CDD	50 PG/L	ND	ND	ND	ND	ND	ND	ND
octa CDD	100 PG/L	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	10 PG/L	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50 PG/L	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50 PG/L	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
1,2,3,6,7,8-hexa CDF	50 PG/L	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
2,3,4,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50 PG/L	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50 PG/L	ND	ND	ND	ND	ND	ND	ND
octa CDF	100 PG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL Units	PLE	PLE	PLE	PLE	PLE
		TCDD AUG	TCDD SEP	TCDD OCT	TCDD NOV	TCDD DEC
		P180328	P186420	P188969	P194180	P197141
2,3,7,8-tetra CDD	10 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50 PG/L	ND	ND	ND	ND	ND
octa CDD	100 PG/L	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	10 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50 PG/L	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50 PG/L	ND	ND	ND	ND	ND
octa CDF	100 PG/L	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-2002 to 31-DEC-2002

Sampled by: A. Martinez
Analyzed by: Pacific Analytical Inc.

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN
				P128543	P130099	P132998	P135391	P138144	P172175
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	590.000	ND	ND	ND	ND	ND
octa CDD	100	PG/L	0.001	4800.000	340.000	130.000	ND	ND	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	480.000	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR
				JUL	AUG	SEP	OCT	NOV	DEC
				P175851	P180333	P186423	P188974	P194183	P197144
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	150.000	ND	ND	ND	270.000
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-2002 to 31-DEC-2002

Sampled by: A. Martinez
Analyzed by: Pacific Analytical Inc.

TCDD Equivalents for:

PLR TCDD JUL	Analyte	MDL Units	PLR	PLR	PLR	PLR	PLR	PLR	
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	
			JAN	FEB	MAR	APR	MAY	JUN	
			P128543	P130099	P132998	P135391	P138144	P172175	P175851
ND	2,3,7,8-tetra CDD	10 PG/L	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	1,2,3,4,7,8_hexa_CDD	50 PG/L	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	1,2,3,7,8,9-hexa CDD	50 PG/L	ND	ND	ND	ND	ND	ND	ND
ND	1,2,3,4,6,7,8-hepta CDD	50 PG/L	5.900	ND	ND	ND	ND	ND	ND
ND	octa CDD	100 PG/L	4.800	0.340	0.130	ND	ND	ND	0.100
ND	2,3,7,8-tetra CDF	10 PG/L	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	2,3,4,7,8-penta CDF	50 PG/L	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	1,2,3,6,7,8-hexa CDF	50 PG/L	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	2,3,4,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND	ND	ND
ND	1,2,3,4,6,7,8-hepta CDF	50 PG/L	ND	ND	ND	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	octa CDF	100 PG/L	0.480	ND	ND	ND	ND	ND	ND

Analyte	MDL Units	PLR	PLR	PLR	PLR	PLR
		TCDD	TCDD	TCDD	TCDD	TCDD
		AUG	SEP	OCT	NOV	DEC
		P180333	P186423	P188974	P194183	P197144
2,3,7,8-tetra CDD	10 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	50 PG/L	ND	ND	ND	ND	ND
octa CDD	100 PG/L	0.150	ND	ND	ND	0.270
2,3,7,8-tetra CDF	10 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	50 PG/L	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	50 PG/L	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	50 PG/L	ND	ND	ND	ND	ND
octa CDF	100 PG/L	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
 QUARTERLY SLUDGE - Dioxins analysis
 From 01-JAN-2002 to 31-DEC-2002

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2002 P132668	31-MAY-2002 P172122	31-AUG-2002 P185889	31-OCT-2002 P193559
2,3,7,8-tetra CDD	1	NG/KG	ND	ND	ND	ND
1,2,3,7,8-penta CDD	5	NG/KG	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	5	NG/KG	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	5	NG/KG	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	5	NG/KG	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	5	NG/KG	40	55	48	62
octa CDD	10	NG/KG	630	655	600	690
2,3,7,8-tetra CDF	1	NG/KG	ND	5	ND	ND
1,2,3,7,8-penta CDF	5	NG/KG	ND	ND	ND	ND
2,3,4,7,8-penta CDF	5	NG/KG	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	5	NG/KG	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	5	NG/KG	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	5	NG/KG	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	5	NG/KG	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	5	NG/KG	ND	23	ND	ND
1,2,3,4,7,8,9-hepta CDF	5	NG/KG	ND	ND	ND	ND
octa CDF	10	NG/KG	95	130	150	150

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
Annual Monitoring Report

2002

Physical Parameters

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		12-FEB-2002	13-FEB-2002	14-MAY-2002	15-MAY-2002	13-AUG-2002
Ammonia-N	.2 MG/L	27.8	NR	28.5	NR	36.8
BOD (Biochemical Oxygen Demand)	2 MG/L	350.0	NR	180.0	NR	163.0
Chemical Oxygen Demand	22 MG/L	574	NR	718	NR	610
Conductivity	10 UMHOS/CM	1930	NR	1840	NR	1960
Grease/oil	1.4 MG/L	NR	29.6	NR	19.7	NR
MBAS (Surfactants)	.03 MG/L	9.5	NR	10.2	NR	7.2
pH (grab)	PH	NR	7.5	NR	7.6	NR
pH (composite)	PH	7.6	NR	7.4	NR	7.5
Total Alkalinity (bicarbonate)	1.5 MG/L	282	NR	280	NR	282
Total Dissolved Solids	42 MG/L	1130	NR	1070	NR	1270
Total Suspended Solids	1.6 MG/L	218.0	NR	352.0	NR	294.0
Volatile Suspended Solids	1.6 MG/L	184.0	NR	316.0	NR	242.0
Total Kjeldahl Nitrogen	1.6 MG/L	80.6	NR	125.0	NR	43.1
Turbidity	NTU	100.0	NR	158.0	NR	130.0

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
		14-AUG-2002	15-OCT-2002	16-OCT-2002	12-FEB-2002	13-FEB-2002
Ammonia-N	.2 MG/L	NR	36.5	NR	29.8	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	NR	264.0	NR	178.0	NR
Chemical Oxygen Demand	22 MG/L	NR	272	NR	528	NR
Conductivity	10 UMHOS/CM	NR	1830	NR	1640	NR
Grease/oil	1.4 MG/L	31.8	NR	23.3	NR	44.9
MBAS (Surfactants)	.03 MG/L	NR	8.5	NR	9.5	NR
pH (grab)	PH	7.4	NR	7.5	NR	7.4
pH (composite)	PH	NR	7.7	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	NR	291	NR	297	NR
Total Dissolved Solids	42 MG/L	NR	1130	NR	858	NR
Total Suspended Solids	1.6 MG/L	NR	234.0	NR	240.0	NR
Volatile Suspended Solids	1.6 MG/L	NR	200.0	NR	206.0	NR
Total Kjeldahl Nitrogen	1.6 MG/L	NR	56.2	NR	79.0	NR
Turbidity	NTU	NR	140.0	NR	130.0	NR

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN	N01-PEN
		14-MAY-2002	15-MAY-2002	13-AUG-2002	14-AUG-2002	15-OCT-2002
Ammonia-N	.2 MG/L	30.3	NR	27.2	NR	29.9
BOD (Biochemical Oxygen Demand)	2 MG/L	140.0	NR	186.0	NR	222.0
Chemical Oxygen Demand	22 MG/L	657	NR	425	NR	249
Conductivity	10 UMHOS/CM	1520	NR	1580	NR	1620
Grease/oil	1.4 MG/L	NR	38.1	NR	59.9	NR
MBAS (Surfactants)	.03 MG/L	10.8	NR	8.4	NR	8.1
pH (grab)	PH	NR	7.3	NR	7.4	NR
pH (composite)	PH	7.7	NR	7.6	NR	7.7
Total Alkalinity (bicarbonate)	1.5 MG/L	306	NR	290	NR	301
Total Dissolved Solids	42 MG/L	928	NR	992	NR	964
Total Suspended Solids	1.6 MG/L	357.0	NR	328.0	NR	266.0
Volatile Suspended Solids	1.6 MG/L	300.0	NR	280.0	NR	228.0
Total Kjeldahl Nitrogen	1.6 MG/L	81.6	NR	37.2	NR	46.8
Turbidity	NTU	118.0	NR	160.0	NR	130.0

NA= Not Analyzed

ND= Not Detected

NR= Not Required

N01-PS_INF = North City Pump Station Influent (PS #64)

N01-PEN = Penasquitos Pump Station Influent

North City Water Reclamation Plant
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Physical Parameters

Analytes	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			16-OCT-2002	12-FEB-2002	13-FEB-2002	14-MAY-2002	15-MAY-2002
Ammonia-N	.2	MG/L	NR	29.4	NR	28.4	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	NR	114.0	NR	159.0	NR
Chemical Oxygen Demand	22	MG/L	NR	362	NR	485	NR
Conductivity	10	UMHOS/CM	NR	1860	NR	1720	NR
Grease/oil	1.4	MG/L	52.2	NR	36.4	NR	16.2
MBAS (Surfactants)	.03	MG/L	NR	7.9	NR	8.0	NR
pH (grab)		PH	7.4	NR	7.5	NR	7.4
pH (composite)		PH	NR	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	NR	286	NR	276	NR
Total Dissolved Solids	42	MG/L	NR	1070	NR	1000	NR
Total Suspended Solids	1.6	MG/L	NR	83.0	NR	108.0	NR
Volatile Suspended Solids	1.6	MG/L	NR	74.0	NR	92.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	NR	62.0	NR	84.9	NR
Turbidity		NTU	NR	71.0	NR	80.0	NR

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF	N30-DFE
			13-AUG-2002	14-AUG-2002	15-OCT-2002	16-OCT-2002	12-FEB-2002
Ammonia-N	.2	MG/L	30.3	NR	35.0	NR	0.3
BOD (Biochemical Oxygen Demand)	2	MG/L	135.0	NR	165.0	NR	2.1
Chemical Oxygen Demand	22	MG/L	356	NR	309	NR	41
Conductivity	10	UMHOS/CM	1760	NR	1770	NR	1700
Grease/oil	1.4	MG/L	NR	49.2	NR	26.9	NR
MBAS (Surfactants)	.03	MG/L	8.3	NR	7.5	NR	0.2
pH (grab)		PH	NR	7.4	NR	7.5	NR
pH (composite)		PH	7.6	NR	7.7	NR	7.5
Total Alkalinity (bicarbonate)	1.5	MG/L	276	NR	294	NR	143
Total Dissolved Solids	42	MG/L	1250	NR	1100	NR	1100
Total Suspended Solids	1.6	MG/L	78.0	NR	83.0	NR	ND
Volatile Suspended Solids	1.6	MG/L	62.0	NR	70.0	NR	ND
Total Kjeldahl Nitrogen	1.6	MG/L	32.9	NR	50.9	NR	30.3
Total Organic Carbon		MG/L	NR	NR	NR	NR	8.8
Turbidity		NTU	70.0	NR	80.0	NR	1.2

Analytes	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE	N30-DFE
			13-FEB-2002	14-MAY-2002	15-MAY-2002	13-AUG-2002	14-AUG-2002
Ammonia-N	.2	MG/L	NR	ND	NR	0.6	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	NR	ND	NR	ND	NR
Chemical Oxygen Demand	22	MG/L	NR	42	NR	55	NR
Conductivity	10	UMHOS/CM	NR	1640	NR	1690	NR
Grease/oil	1.4	MG/L	2.4	NR	ND	NR	ND
MBAS (Surfactants)	.03	MG/L	NR	0.2	NR	0.2	NR
pH (grab)		PH	7.1	NR	7.2	NR	7.0
pH (composite)		PH	NR	7.5	NR	7.1	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	NR	124	NR	165	NR
Total Dissolved Solids	42	MG/L	NR	1090	NR	944	NR
Total Suspended Solids	1.6	MG/L	NR	2.1	NR	ND	NR
Volatile Suspended Solids	1.6	MG/L	NR	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6	MG/L	NR	50.9	NR	ND	NR
Total Organic Carbon		MG/L	NR	9.1	NR	10.7	NR
Turbidity		NTU	NR	3.0	NR	5.5	NR

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Physical Parameters

Analytes	MDL	Units	N30-DFE	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER
			15-OCT-2002	16-OCT-2002	12-FEB-2002	13-FEB-2002	14-MAY-2002
Ammonia-N	.2	MG/L	ND	NR	0.3	NR	0.3
BOD (Biochemical Oxygen Demand)	2	MG/L	2.0	NR	ND	NR	ND
Chemical Oxygen Demand	22	MG/L	35	NR	44	NR	42
Conductivity	10	UMHOS/CM	1640	NR	1390	NR	1230
Grease/oil	1.4	MG/L	NR	ND	NR	ND	NR
MBAS (Surfactants)	.03	MG/L	0.5	NR	0.4	NR	0.2
pH (grab)		PH	NR	7.3	NR	7.2	NR
pH (composite)		PH	7.6	NR	7.6	NR	7.6
Total Alkalinity (bicarbonate)	1.5	MG/L	130	NR	121	NR	103
Total Dissolved Solids	42	MG/L	1150	NR	860	NR	772
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	1.6	MG/L	2.1	NR	29.7	NR	50.1
Total Organic Carbon		MG/L	8.3	NR	9.0	NR	8.5
Turbidity		NTU	1.3	NR	1.0	NR	2.7

Analytes	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			15-MAY-2002	13-AUG-2002	14-AUG-2002	15-OCT-2002	16-OCT-2002
Ammonia-N	.2	MG/L	NR	0.6	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	NR	ND	NR	ND	NR
Chemical Oxygen Demand	22	MG/L	NR	58	NR	29	NR
Conductivity	10	UMHOS/CM	NR	1290	NR	1360	NR
Grease/oil	1.4	MG/L	ND	NR	NR	NR	ND
MBAS (Surfactants)	.03	MG/L	NR	0.2	NR	0.3	NR
pH (grab)		PH	7.3	NR	7.2	NR	7.3
pH (composite)		PH	NR	7.3	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	NR	123	NR	108	NR
Total Dissolved Solids	42	MG/L	NR	1150	NR	940	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	1.6	MG/L	NR	ND	NR	ND	NR
Total Organic Carbon		MG/L	NR	9.8	NR	7.9	NR
Turbidity		NTU	NR	1.3	NR	1.5	NR

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Metals

Source:		N30-DFE	N30-DFE	N30-DFE	N30-DFE	N10-EFF
Date:		12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002
Sample ID:	MDL Units	P130129	P138174	P180363	P189004	P130124
Aluminum	50 UG/L	ND	160	242	ND	741
Antimony	23 UG/L	ND	<23	<23	ND	<23
Arsenic	.4 UG/L	0.91	0.87	1.08	1.10	1.02
Barium	10 UG/L	60	54	37	51	93
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	517	557	505	436	431
Cadmium	1 UG/L	ND	ND	<1.0	ND	ND
Chromium	5 UG/L	ND	ND	ND	ND	ND
Cobalt	4 UG/L	ND	4	ND	ND	ND
Copper	4 UG/L	131	34	76	105	216
Iron	30 UG/L	52	264	92	44	295
Lead	18 UG/L	ND	ND	ND	ND	ND
Manganese	4 UG/L	40.10	324.00	79.10	46.80	178.00
Mercury	.5 UG/L	ND	ND	ND	ND	ND
Molybdenum	3 UG/L	7	18	9	9	16
Nickel	14 UG/L	ND	ND	ND	ND	ND
Selenium	.4 UG/L	1.08	0.93	0.65	0.83	1.55
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	51	36	35	66	66

Source:		N10-EFF	N10-EFF	N10-EFF	N01-PS_INF	N01-PS_INF
Date:		14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002
Sample ID:	MDL Units	P138169	P180358	P188999	P130114	P138159
Aluminum	50 UG/L	976	1130	757	3070	6910
Antimony	23 UG/L	ND	ND	ND	ND	ND
Arsenic	.4 UG/L	1.11	1.83	1.36	0.90	1.01
Barium	10 UG/L	102	93	85	124	165
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	478	464	344	476	573
Cadmium	1 UG/L	ND	2.7	ND	<1.0	<1.0
Chromium	5 UG/L	ND	ND	ND	ND	<5
Cobalt	4 UG/L	ND	<4	ND	ND	ND
Copper	4 UG/L	211	184	599	190	214
Iron	30 UG/L	1080	1180	298	571	1080
Lead	18 UG/L	ND	<18	ND	ND	ND
Manganese	4 UG/L	239.00	247.00	197.00	199.00	551.00
Mercury	.5 UG/L	0.37	ND	ND	ND	<0.27
Molybdenum	3 UG/L	5	7	6	9	13
Nickel	14 UG/L	ND	19	ND	ND	ND
Selenium	.4 UG/L	1.49	1.46	1.23	1.52	1.64
Silver	6.6 UG/L	ND	ND	10.3	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	ND	ND	ND
Zinc	4 UG/L	68	61	70	119	144

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Metals

From: 01-JAN-2002 To: 31-DEC-2002

Source:			N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN	N01-PEN
Date:			13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002
Sample ID:	MDL	Units	P180348	P188989	P130119	P138164	P180353
Aluminum	50	UG/L	2370	1450	1570	1890	4880
Antimony	23	UG/L	ND	ND	<23	<23	<23
Arsenic	.4	UG/L	3.54	1.31	1.69	4.17	3.24
Barium	10	UG/L	153	109	119	129	190
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	428	273	452	499	476
Cadmium	1	UG/L	<1.0	ND	1.2	2.9	<1.0
Chromium	5	UG/L	18	ND	<5	ND	11
Cobalt	4	UG/L	ND	ND	ND	ND	ND
Copper	4	UG/L	375	501	170	398	183
Iron	30	UG/L	4100	803	986	1050	772
Lead	18	UG/L	ND	ND	ND	ND	25
Manganese	4	UG/L	311.00	201.00	213.00	197.00	335.00
Mercury	.5	UG/L	ND	ND	<0.27	11.30	ND
Molybdenum	3	UG/L	15	7	8	10	6
Nickel	14	UG/L	<14	ND	ND	ND	18
Selenium	.4	UG/L	1.83	1.58	1.64	2.45	1.92
Silver	6.6	UG/L	11.3	ND	ND	ND	14.1
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	10	ND	ND	ND	ND
Zinc	4	UG/L	155	115	117	130	138

Source:			N01-PEN	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:			15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Sample ID:	MDL	Units	P188994	P130134	P138179	P180368	P189009
Aluminum	50	UG/L	2310	143	184	378	ND
Antimony	23	UG/L	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	1.77	0.77	0.87	1.31	0.76
Barium	10	UG/L	127	44	36	57	38
Beryllium	.39	UG/L	ND	ND	ND	ND	ND
Boron	15	UG/L	355	518	508	329	436
Cadmium	1	UG/L	ND	<1.0	<1.0	1.6	ND
Chromium	5	UG/L	ND	ND	ND	ND	ND
Cobalt	4	UG/L	ND	ND	ND	<4	ND
Copper	4	UG/L	317	183	75	130	99
Iron	30	UG/L	511	60	224	100	ND
Lead	18	UG/L	ND	ND	ND	<18	ND
Manganese	4	UG/L	204.00	29.90	198.00	121.00	35.80
Mercury	.5	UG/L	ND	ND	ND	ND	ND
Molybdenum	3	UG/L	9	ND	<3	6	ND
Nickel	14	UG/L	ND	ND	ND	ND	ND
Selenium	.4	UG/L	1.46	0.89	0.86	0.87	0.60
Silver	6.6	UG/L	ND	ND	ND	ND	<6.6
Thallium	40	UG/L	ND	ND	ND	ND	ND
Vanadium	7	UG/L	ND	ND	ND	ND	ND
Zinc	4	UG/L	99	51	33	39	52

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Ions

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002
Bromide	.5	MG/L	0.55	0.50	1.12	0.53	0.29
Fluoride	.075	MG/L	0.4	0.5	0.4	0.6	0.3
Chloride	2	MG/L	294	268	313	279	189
Sulfides-Total	.1	MG/L	4.09	0.81	4.74	0.49	2.04
Cyanides,Total	.005	MG/L	0.0090	0.0058	0.0022	0.0024	0.0040
Nitrate	1.9	MG/L	ND	ND	0.31	0.28	ND
Ortho Phosphate	.13	MG/L	9.33	10.0	6.66	10.3	9.59
Sulfate	1.3	MG/L	239	240	262	221	233
Ammonia-N	.2	MG/L	27.8	28.5	36.8	36.5	29.8
Calcium	.08	MG/L	93.2	94.7	104	81.5	80.1
Lithium	.01	MG/L	0.03	0.05	0.04	0.05	0.02
Magnesium	.02	MG/L	41.3	39.8	44.5	32.6	33.6
Potassium	2	MG/L	19	21	17	21	20
Sodium	.3	MG/L	214	203	227	173	174
Calcium Hardness	.2	MG/L	233	237	259	204	200
Magnesium Hardness	.08	MG/L	170	164	183	135	138
Total Hardness	.22	MG/L	403	400	442	338	338
Adjusted Sodium Adsorption		RATIO	NR	NR	NR	NR	NR
Percent Sodium		PERCENT	NR	NR	NR	NR	NR

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002
Bromide	.5	MG/L	0.24	0.59	0.18	0.46	0.34
Fluoride	.075	MG/L	0.4	0.4	0.5	0.4	0.5
Chloride	2	MG/L	167	178	191	266	245
Sulfides-Total	.1	MG/L	ND	0.33	0.32	ND	0.33
Cyanides,Total	.005	MG/L	0.0036	ND	0.0023	0.0050	0.0063
Nitrate	1.9	MG/L	ND	0.34	0.30	ND	0.07
Ortho Phosphate	.13	MG/L	8.80	8.02	9.48	9.07	7.41
Sulfate	1.3	MG/L	229	244	236	244	240
Ammonia-N	.2	MG/L	30.3	27.2	29.9	29.4	28.4
Calcium	.08	MG/L	83.1	89.0	87.6	89.2	84.2
Lithium	.01	MG/L	0.03	0.03	0.05	0.06	0.03
Magnesium	.02	MG/L	35.2	33.4	39.0	39.9	37.3
Potassium	2	MG/L	22	19	20	21	21
Sodium	.3	MG/L	173	168	199	210	189
Calcium Hardness	.2	MG/L	207	222	219	223	211
Magnesium Hardness	.08	MG/L	145	138	161	165	154
Total Hardness	.22	MG/L	352	360	379	387	364
Adjusted Sodium Adsorption		RATIO	NR	NR	NR	NR	NR
Percent Sodium		PERCENT	NR	NR	NR	NR	NR

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Ions

Analytes	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002
Bromide	.5	MG/L	0.36	0.45	<0.50	ND	ND
Fluoride	.075	MG/L	0.4	0.5	0.3	0.5	0.3
Chloride	2	MG/L	245	264	270	278	180
Sulfides-Total	.1	MG/L	0.65	0.49	1.02	ND	0.41
Cyanides, Total	.005	MG/L	ND	0.0023	0.0140	0.0283	0.0055
Nitrate	1.9	MG/L	0.19	0.31	NA	61.1	50.2
Ortho Phosphate	.13	MG/L	7.30	9.62	8.06	3.48	5.12
Sulfate	1.3	MG/L	251	237	250	246	191
Ammonia-N	.2	MG/L	30.3	35.0	0.3	ND	0.6
Calcium	.08	MG/L	86.2	77.5	84.0	82.6	56.8
Lithium	.01	MG/L	0.07	0.05	0.05	0.06	0.05
Magnesium	.02	MG/L	36.8	35.8	37.4	35.4	24.6
Potassium	2	MG/L	16	19	20	19	11
Sodium	.3	MG/L	190	178	216	201	167
Calcium Hardness	.2	MG/L	215	194	210	207	142
Magnesium Hardness	.08	MG/L	152	148	154	146	101
Total Hardness	.22	MG/L	367	341	364	352	243
Adjusted Sodium Adsorption		RATIO	NR	NR	5.2	5.0	5.0
Percent Sodium		PERCENT	NR	NR	58	57	61

Analytes	MDL	Units	N30-DFE	N34-REC	N34-REC	N34-REC	N34-REC
			15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
Bromide	.5	MG/L	ND	<0.50	ND	ND	ND
Fluoride	.075	MG/L	0.5	0.3	0.4	0.4	0.4
Chloride	2	MG/L	271	215	197	262	216
Sulfides-Total	.1	MG/L	0.20	ND	ND	0.16	ND
Cyanides, Total	.005	MG/L	0.0165	0.0140	0.0030	0.0107	0.0149
Nitrate	1.9	MG/L	76.6	NA	38.2	82.9	60.2
Ortho Phosphate	.13	MG/L	6.25	6.78	2.50	6.90	5.48
Sulfate	1.3	MG/L	231	196	175	252	189
Ammonia-N	.2	MG/L	ND	0.3	0.3	0.6	ND
Calcium	.08	MG/L	76.2	63.8	53.8	82.6	57.6
Lithium	.01	MG/L	0.04	0.04	0.03	0.07	0.04
Magnesium	.02	MG/L	34.2	28.3	23.7	35.3	25.9
Potassium	2	MG/L	19	16	13	17	15
Sodium	.3	MG/L	189	184	160	201	159
Calcium Hardness	.2	MG/L	191	159	135	207	144
Magnesium Hardness	.08	MG/L	141	117	97	146	107
Total Hardness	.22	MG/L	331	276	232	352	251
Adjusted Sodium Adsorption		RATIO	4.6	4.6	4.7	4.9	4.1
Percent Sodium		PERCENT	53	60	61	57	56

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Radioactivity

From: 01-JAN-2002 To: 31-DEC-2002

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N30-DFE	12-FEB-2002	P130129	1.6 ± 1.0	21.2 ± 3.2
N30-DFE	14-MAY-2002	P138174	1.0 ± 0.7	11.7 ± 2.8
N30-DFE	13-AUG-2002	P180363	1.0 ± 0.7	8.3 ± 2.7
N30-DFE	15-OCT-2002	P189004	1.0 ± 0.8	7.6 ± 3.4
N10-EFF	12-FEB-2002	P130124	4.1 ± 1.1	26.0 ± 3.5
N10-EFF	14-MAY-2002	P138169	1.7 ± 1.0	12.3 ± 2.4
N10-EFF	13-AUG-2002	P180358	3.2 ± 1.3	15.8 ± 3.9
N10-EFF	15-OCT-2002	P188999	2.0 ± 1.6	10.4 ± 4.4
N01-PS_INF	12-FEB-2002	P130114	2.3 ± 1.2	26.1 ± 3.4
N01-PS_INF	14-MAY-2002	P138159	3.2 ± 1.4	18.3 ± 3.3
N01-PS_INF	13-AUG-2002	P180348	5.2 ± 1.4	9.9 ± 4.0
N01-PS_INF	15-OCT-2002	P188989	3.3 ± 1.5	11.4 ± 4.5
N01-PEN	12-FEB-2002	P130119	3.4 ± 1.5	22.3 ± 3.1
N01-PEN	14-MAY-2002	P138164	4.8 ± 1.4	15.7 ± 3.0
N01-PEN	13-AUG-2002	P180353	5.2 ± 1.3	8.9 ± 3.9
N01-PEN	15-OCT-2002	P188994	4.5 ± 1.7	7.9 ± 3.8
N34-REC WATER	12-FEB-2002	P130134	0.7 ± 0.8	13.7 ± 2.7
N34-REC WATER	14-MAY-2002	P138179	1.0 ± 0.7	11.6 ± 2.7
N34-REC WATER	13-AUG-2002	P180368	1.0 ± 0.7	10.5 ± 3.2
N34-REC WATER	15-OCT-2002	P189009	2.0 ± 1.0	6.5 ± 2.8

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Units in picocuries per Liter (pCi/L)

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Organo Tins

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002
			P130114	P138159	P180348	P188989	P130119
===== Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002
			P138164	P180353	P188994	P130124	P138169
===== Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			13-AUG-2002	15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002
			P180358	P188999	P130129	P138174	P180363
===== Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			15-OCT-2002	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
			P189004	P130134	P138179	P180368	P189009
===== Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

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

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

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			12-FEB-2002 P130114	14-MAY-2002 P138159	13-AUG-2002 P180348	15-OCT-2002 P188989	12-FEB-2002 P130119
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	23	12	ND	ND	63
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	24	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	24	0
Hexachlorocyclohexanes	20	NG/L	23	12	0	0	63
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	23	12	0	24	63

NA= Not Analyzed
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			14-MAY-2002 P138164	13-AUG-2002 P180353	15-OCT-2002 P188994	12-FEB-2002 P130124	14-MAY-2002 P138169
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	13	ND	ND	29	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	13	0	0	29	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	13	0	0	29	0

NA= Not Analyzed
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			13-AUG-2002 P180358	15-OCT-2002 P188999	12-FEB-2002 P130129	14-MAY-2002 P138174	13-AUG-2002 P180363
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0	0

NA= Not Analyzed
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			15-OCT-2002 P189004	12-FEB-2002 P130134	14-MAY-2002 P138179	13-AUG-2002 P180368	15-OCT-2002 P189009
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0	0

NA= Not Analyzed
ND= Not Detected

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Base/Neutral Compounds

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Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002	12-FEB-2002
			P130114	P138159	P180348	P188989	P130129
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND*	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND*	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND*	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND*	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND*	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND*	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND*	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND*	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND*	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND*	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND*	6.7	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND*	ND	92.4^	ND
2-chloronaphthalene	2.41	UG/L	ND	ND*	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND*	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND*	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND*	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND*	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND*	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND*	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND*	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND*	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND*	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND*	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND*	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	19.3	ND*	19.1	160^	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND*	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND*	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND*	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND*	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND*	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND*	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND*	7.7	ND	ND
Chrysene	7.49	UG/L	ND	ND*	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND*	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND*	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND*	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND*	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND*	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND*	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND*	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND*	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND*	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND*	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND*	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	ND*	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	ND*	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	19.3	0.0	33.5	0.0	0.0

NA= Not Analyzed

ND= Not Detected

^= pH meter probe cross contamination

* = Sample rejected: surrogates out of control

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Additional Analytes Determined

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			12-FEB-2002 P130114	14-MAY-2002 P138159	13-AUG-2002 P180348	15-OCT-2002 P188989	12-FEB-2002 P130129
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

^= pH meter probe cross contamination

* = Sample rejected: surrogates out of control

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Base/Neutral Compounds

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			14-MAY-2002 P138174	13-AUG-2002 P180363	15-OCT-2002 P189004	12-FEB-2002 P130119	14-MAY-2002 P138164
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	147.0	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	23.9	290.0	19.1	12.9
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[Al]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	23.9	437.0	19.1	12.9

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Base/Neutral Compounds

Additional Analytes Determined

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			14-MAY-2002 P138174	13-AUG-2002 P180363	15-OCT-2002 P189004	12-FEB-2002 P130119	14-MAY-2002 P138164
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

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			13-AUG-2002 P180353	15-OCT-2002 P188994	12-FEB-2002 P130124	14-MAY-2002 P138169	13-AUG-2002 P180358
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	7.3	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	3.26	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	55.5	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	15.5	82.1	16.7	11.1	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[Al]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	15.5	144.9	16.7	11.1	0.0

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Base/Neutral Compounds

Additional Analytes Determined

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			13-AUG-2002 P180353	15-OCT-2002 P188994	12-FEB-2002 P130124	14-MAY-2002 P138169	13-AUG-2002 P180358
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

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Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF	N34-REC	N34-REC	N34-REC	N34-REC
			15-OCT-2002 P188999	12-FEB-2002 P130134	14-MAY-2002 P138179	13-AUG-2002 P180368	15-OCT-2002 P189009
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	75.4	ND	ND	ND	48.7
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	82.5	21.0	30.7	ND	82.6
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[Al]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	157.9	21.0	30.7	0.0	131.3

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Base/Neutral Compounds

Additional Analytes Determined

Analyte	MDL	Units	N10-EFF	N34-REC	N34-REC	N34-REC	N34-REC
			15-OCT-2002 P188999	12-FEB-2002 P130134	14-MAY-2002 P138179	13-AUG-2002 P180368	15-OCT-2002 P189009
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

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N30-DFE	N01-PEN	N10-EFF	N34-REC WATER
		15-OCT-2002 P188989	15-OCT-2002 P189004	15-OCT-2002 P188994	15-OCT-2002 P188999	15-OCT-2002 P189009
Demeton O	.09 UG/L	ND	ND	ND	ND	ND
Demeton S	.05 UG/L	ND	ND	ND	ND	ND
Diazinon	.07 UG/L	ND	ND	0.100	0.100	ND
Guthion	.21 UG/L	ND	ND	ND	ND	ND
Malathion	.04 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.21 UG/L	0.000	0.000	0.000	0.000	0.000
Demeton -O, -S	.09 UG/L	0.000	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.21 UG/L	0.100	0.400	0.200	0.200	0.400
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
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	0.100	0.200	0.100	0.100	0.100
Monocrotophos	UG/L	ND	0.200	ND	ND	0.300
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
Mevinphos, e isomer	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.05 UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed
ND= Not Detected

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:	MDL Units	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
		P130114	P138159	P180348	P188989
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N30-DFE	N30-DFE	N30-DFE	N30-DFE
Date:	MDL Units	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
		P130129	P138174	P180363	P189004
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N01-PEN	N01-PEN	N01-PEN	N01-PEN
Date:	MDL Units	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
		P130119	P138164	P180353	P188994
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N10-EFF	N10-EFF	N10-EFF	N10-EFF
Date:	MDL Units	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
		P130124	P138169	P180358	P188999
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:	MDL Units	12-FEB-2002	14-MAY-2002	13-AUG-2002	15-OCT-2002
		P130134	P138179	P180368	P189009
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

NA= Not Analyzed
ND= Not Detected

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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N30-DFE	N30-DFE
			12-FEB-2002 P130114	14-MAY-2002 P138159	12-FEB-2002 P130129	14-MAY-2002 P138174
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	19.60	ND	ND	ND
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	19.60	0.00	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	19.60	0.00	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	59.60	63.90	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Phenolic Compounds

Analyte	MDL	Units	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			13-AUG-2002 P180363	15-OCT-2002 P189004	12-FEB-2002 P130119	14-MAY-2002 P138164
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	18.20	46.30
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	18.20	46.30
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	0.00	0.00	18.20	46.30
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	NA	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND	63.60	66.60
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

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

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Phenolic Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			13-AUG-2002 P180353	15-OCT-2002 P188994	12-FEB-2002 P130124	13-AUG-2002 P180358
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	8.70	16.80	21.80	ND
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	8.70	16.80	21.80	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	8.70	16.80	21.80	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	NA	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	22.20	17.70	52.60	34.30
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC	N34-REC	N34-REC	N34-REC
			12-FEB-2002 P130134	14-MAY-2002 P138179	13-AUG-2002 P180368	15-OCT-2002 P189009
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	ND	ND
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	0.00	0.00	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	NA
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

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

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Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			13-FEB-2002 P130117	15-MAY-2002 P138162	14-AUG-2002 P180351	16-OCT-2002 P188992	13-FEB-2002 P130132
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	3.6	1.7	2.3	2.0	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	5.5	6.6	23.3	ND	29.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	37.3
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	22.2
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND [^]	ND	ND	ND	ND [^]
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	6.9	2.2	1.4	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND [*]	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND [*]	ND	ND	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	0.0	0.0	0.0	0.0	59.5
Purgeable Compounds	13.8	UG/L	16.0	10.5	27.0	2.0	89.4

Additional analytes 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	934	909 [*]	681	1020	ND
Carbon disulfide	1	UG/L	4.3	1.02 [*]	1.7	6.2	ND
2-butanone	4	UG/L	ND	19.4 [*]	12.3	ND	ND
Methyl tert-butyl ether	1	UG/L	4.8	3.48 [*]	ND	ND	2.2

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Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			15-MAY-2002 P138177	14-AUG-2002 P180366	16-OCT-2002 P189007	13-FEB-2002 P130122	15-MAY-2002 P138167
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	67.2	69.6	44.3	2.6	5.0
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	55.3	52.9	55.4	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	32.0	28.5	37.3	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND	ND	ND [^]	ND
Bromoform	6.1	UG/L	ND	2.6	4.6	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	3.9	4.5
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND*	ND	ND	ND	ND*
Acrolein	11.4	UG/L	ND*	ND	ND	ND	ND*
Halomethane Purgeable Cmpnds	6.1	UG/L	87.3	84.0	97.3	0.0	0.0
Purgeable Compounds	13.8	UG/L	154.5	153.6	141.6	6.5	9.5

Additional analytes 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	ND*	ND	ND	83.3	116
Carbon disulfide	1	UG/L	ND*	ND	ND	10.1	69.7*
2-butanone	4	UG/L	ND*	ND	ND	ND	9.8*
Methyl tert-butyl ether	1	UG/L	2.42*	ND	ND	ND	4.78*

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Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			14-AUG-2002 P180356	16-OCT-2002 P188997	13-FEB-2002 P130127	15-MAY-2002 P138172	14-AUG-2002 P180361
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.6	1.6	1.7	4.1	2.8
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.1	ND	4.0	9.6	5.3
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND	ND^	ND	ND
Bromoform	6.1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	6.6	13.0	ND	2.9	1.2
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	4.6	1.6	2.0
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND*	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND*	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	0.0	0.0	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	11.3	14.6	10.3	18.2	11.3

Additional analytes 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	250	203	593	569*	694
Carbon disulfide	1	UG/L	45.3	5.9	18.7	66.8*	7.8
2-butanone	4	UG/L	ND	4.8	ND	25*	11.8
Methyl tert-butyl ether	1	UG/L	ND	1.6	2.4	2.49*	ND

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Analyte	MDL	Units	N10-EFF	N34-REC	WATERN34-REC	WATERN34-REC	WATERN34-REC	WATERN34-REC
			16-OCT-2002 P189002	13-FEB-2002 P130137	15-MAY-2002 P138182	14-AUG-2002 P180371	16-OCT-2002 P189012	
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroethane	3	UG/L	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	UG/L	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	2.8	ND	ND	2.0	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	39.6	54.0	118	69.6	48.2	ND
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	45.7	67.0	41.1	53.6	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	20.2	24.5	18.7	31.6	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	5	UG/L	ND	ND [^]	ND	ND	ND	ND
Bromoform	6.1	UG/L	ND	ND	ND	1.3	3.5	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	2.8	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.4	ND	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND*	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND*	ND	ND	ND
Halomethane Purgeable Cmpnds	6.1	UG/L	0.0	65.9	91.5	61.1	88.7	ND
Purgeable Compounds	13.8	UG/L	46.6	119.9	209.5	132.7	136.9	ND

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	577	ND	ND*	ND	ND	ND
Carbon disulfide	1	UG/L	4.4	ND	ND*	ND	ND	ND
2-butanone	4	UG/L	ND	ND	ND*	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	2.0	2.19*	ND	ND	ND

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