

## II. Influent and Effluent Data Summary

The results of all analyses performed on the WWTP influent and effluent are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated. Graphs of monthly averages are presented.

- A. Influent and Effluent Data Summaries
- B. Influent and Effluent Graphs
- C. Daily Values of Selected Parameters
- D. Toxicity Bioassays
- E. 6-Year Tables.

Mass Emissions of Effluent Using 2005 Monthly Averages  
DISCHARGE SPECIFICATIONS from NPDES Permit No. CA0107409/RWQCB Order No. R-2002-0025 effective on September 13, 2002 with limits on pollutant discharges.

Constituent/Property	Benchmarks (mt/yr)	2005 Mass Emissions (mt/yr)	2005 Concentration	Units
Flow (MGD)			183.2	MGD
Total Suspended Solids	15,000 <sup>[2]</sup>	10,371	41	mg/L
BOD	B	26,561	105	mg/L
Arsenic	0.88	0.29	1.13	ug/L
Cadmium	1.4	0.03	0.1	ug/L
Chromium	14.2	0.61	2.4	ug/L
Copper	26	7	28	ug/L
Lead	14.2	0.00	0.00	ug/L
Mercury	0.19	0.00	0.00	ug/L
Nickel	11.3	2.28	9.00	ug/L
Selenium	0.44	0.27	1.06	ug/L
Silver	2.8	0.00	0.00	ug/L
Zinc	18.3	6.3	25	ug/L
Cyanide	1.57	0.40	0.0016	mg/L
Residual Chlorine	--	0		
Ammonia	8018	6,956	27.5	mg/L
Non-Chor. Phenols	2.57	2.68	10.6	ug/L
Chlorinated Phenols	1.73	0.00	0	ug/L
Endosulfan	0.006	0.00	0	ng/L
Endrin	0.008	0.00	0	ng/L
hexachlorocyclohexanes *(HCH) *(all as Lindane, the gamma isomer)	0.025	0	6	ng/L
Acrolein	17.6	0.00	0	ug/L
Antimony	56.6	0.0	0	ug/L
Bis(2-chloroethoxy) methane	1.5	0.00	0	ug/L
Bis(2-chloroisopropyl) ether	1.61	0.00	0	ug/L
Chlorobenzene	1.7	0.00	0	ug/L
Chromium (III)	--	--		
di-n-butyl phthalate	1.33	0.00	0	ug/L
dichlorobenzenes	2.8	0.0	0	ug/L
1,1-dichloroethylene	0.79	0.00	0	ug/L
Diethyl phthalate	6.23	0.25	1	ug/L
Dimethyl phthalate	1.59	0.00	0	ug/L
4,6-dinitro-2-methylphenol	6.8	0.00	0	ug/L
2,4-dinitrophenol	11.9	0.00	0	ug/L
Ethylbenzene	2.04	0.00	0	ug/L
Fluoranthene	0.62	0.00	0	ug/L
Hexachlorocyclopentadiene	-	0.00	0	ug/L
Nitrobenzene	2.07	0.00	0	ug/L
Thallium	36.8	0.00	0	ug/L
Toluene	3.31	0.33	1.3	ug/L
1,1,2,2-tetrachloroethane	1.95	0.00	0	ug/L
Tributyltin	0.001	0.00	0	ug/L
1,1,1-trichloroethane	2.51	0.00	0	ug/L
1,1,2-trichloroethane	1.42	0.00	0	ug/L

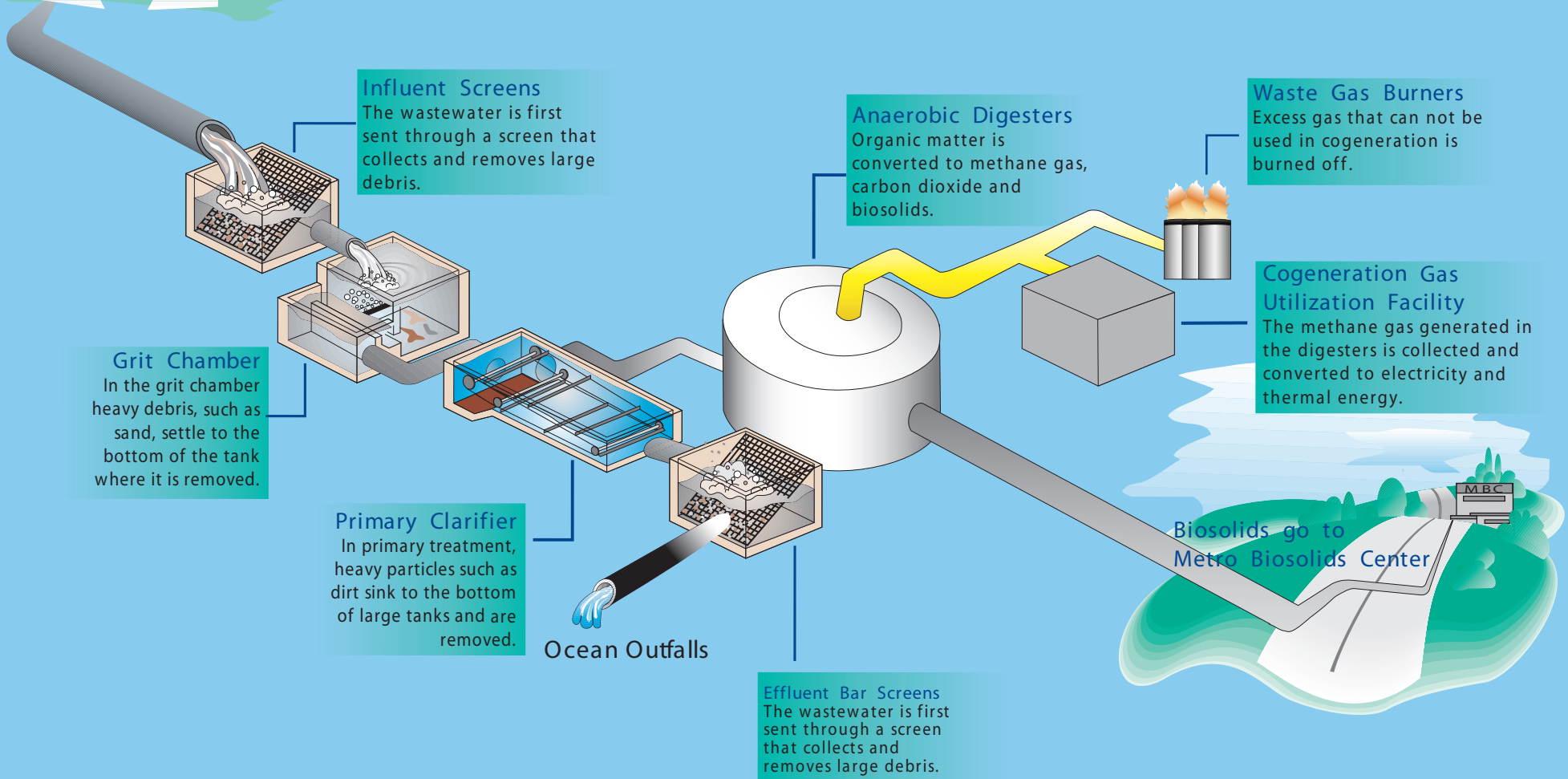
Constituent/Property	Benchmarks (mt/yr)	2005 Mass Emissions (mt/yr)	2005 Concentration	Units
Acrylonitrile	5.95	0.00	0	ug/L
Aldrin	0.006	0.00	0	ng/L
Benzene	1.25	0.00	0	ug/L
Benzidine	12.5	0.00	0	ug/L
Beryllium	1.42	0.00	0	ug/L
Bis(2-chloroethyl) ether	1.61	0.00	0	ug/L
Bis(2-ethylhexyl) phthalate	2.89	0.00	0.0	ug/L
Carbon Tetrachloride	0.79	0.00	0	ug/L
Chlordane	0.014	0.0000	0	ng/L
Chloroform	2.19	1.72	6.8	ug/L
DDT	0.043	0.00	0	ng/L
1,4-dichlorobenzene	1.25	0.05	0.2	ug/L
3,3-dichlorobenzidine	4.67	0.00	0	ug/L
1,2-dichloroethane	0.79	0.00	0	ug/L
Dichloromethane (methylene chloride)	13.7	0.83	3.3	ug/L
1,3-dichloropropene	1.42	0.00	0	ug/L
Dieldrin	0.011	0.00	0	ng/L
2,4-dinitrotoluene	1.61	0.00	0	ug/L
1,2-diphenylhydrazine	1.52	0.00	0	ug/L
Halomethanes	5.86	0.33	1.3	ug/L
Heptachlor	0.001	0.00	0	ng/L
Heptachlor epoxide	0.024	0.00	0	ng/L
Hexachlorobenzene	0.54	0.00	0	ug/L
Hexachlorobutadiene	0.054	0.00	0	ug/L
Hexachloroethane	1.13	0.00	0	ug/L
Isophorone	0.71	0.00	0	ug/L
N-nitrosodimethylamine	0.76	0.00	0	ug/L
N-nitrosodiphenylamine	1.47	0.00	0	ug/L
PAHs	15.45	0.00	0	ug/L
PCBs	0.275	0.00	0	ng/L
TCDD equivalents	--	0.000000000	0.000	pg/L
Tetrachloroethylene	4	0.08	0.3	ug/L
Toxaphene	0.068	0.00	0	ng/L
Trichloroethylene	1.56	0.00	0	ug/L
2,4,6-trichlorophenol	0.96	0.00	0	ug/L
Vinyl Chloride	0.4	0.00	0	ug/L

[2] Total Suspended Solids (TSS)- The discharger shall achieve a mass emission of TSS of no greater than 15,000 mt/yr; this requirement shall be effective through December 31, 2005. Effective January 1, 2006, the discharger shall achieve a mass emission of TSS of no greater than 13,599 mt/yr.

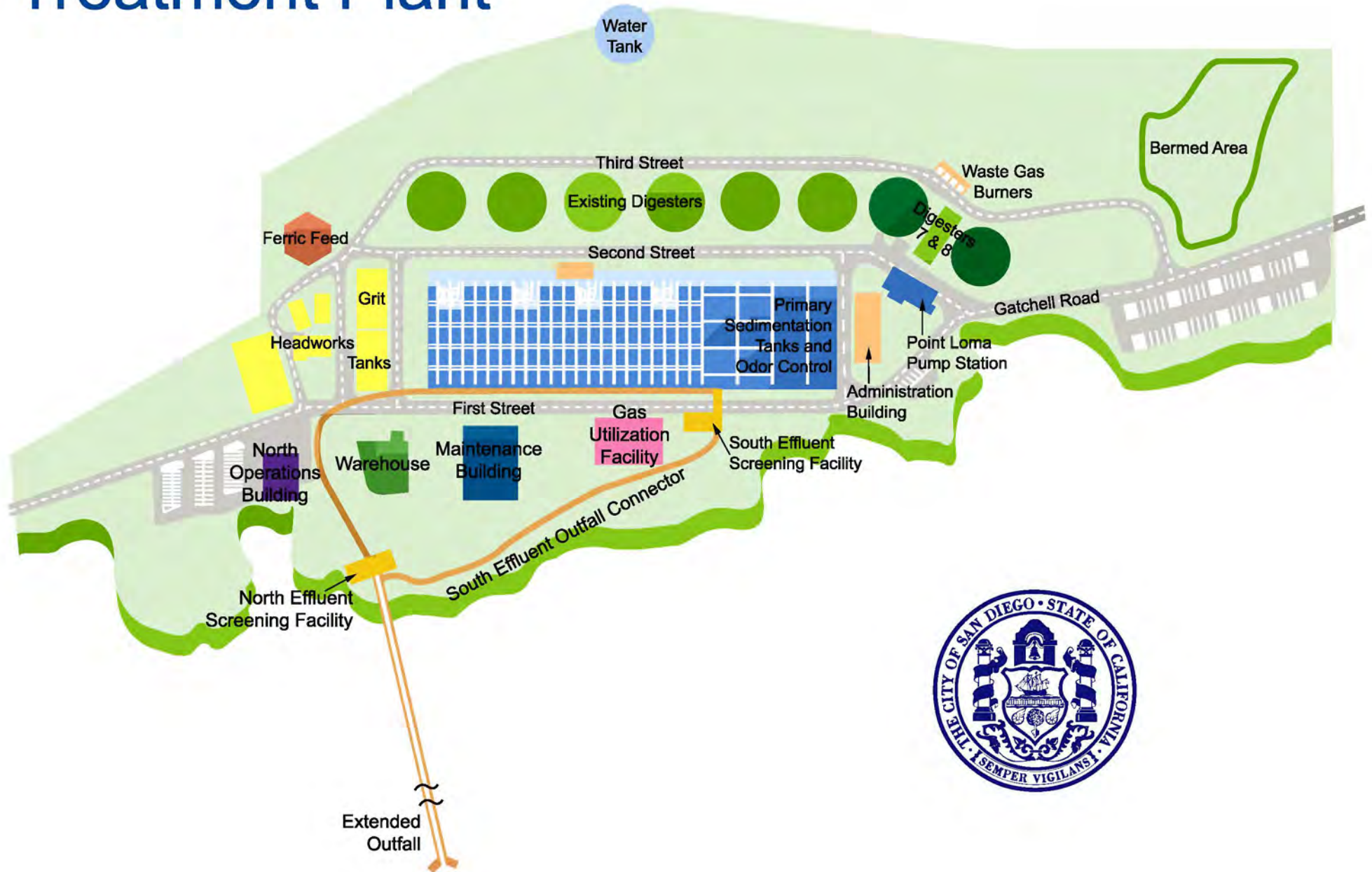
## A. Influent and Effluent Data Summaries

The results of all analyses performed on the WWTP influent and effluent are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated.

# Point Loma Wastewater Treatment Plant Process



# Point Loma Wastewater Treatment Plant



POINT LOMA WASTEWATER TREATMENT PLANT

SEWAGE ANNUAL

From 01-JAN-2005 To 31-DEC-2005

Biochemical Oxygen Demand Concentration  
(24-hour composite)

	Flow	Daily Influent Value (mg/L)	Daily Influent Value (lbs/Day)	Daily Effluent Value (mg/L)	Daily Effluent Value (lbs/Day)	Percent Removal BOD (%)
JANUARY -2005	214.5	218	389987	88	157426	59.6
FEBRUARY -2005	216.8	219	395977	89	160922	59.4
MARCH -2005	204.1	221	376185	96	163411	56.6
APRIL -2005	180.6	254	382576	108	162670	57.5
MAY -2005	178.5	264	393014	112	166733	57.6
JUNE -2005	175.8	269	394400	114	167144	57.6
JULY -2005	173.0	256	369362	112	161596	56.3
AUGUST -2005	171.4	259	370234	105	150095	59.5
SEPTEMBER-2005	170.6	265	377043	107	152240	59.6
OCTOBER -2005	173.0	263	379462	112	161596	57.4
NOVEMBER -2005	170.3	277	393424	112	159074	59.6
DECEMBER -2005	169.3	256	361462	101	142608	60.5
Average	183.2	252	381927	105	158793	58.4

Total Suspended Solids Concentration  
(24-hour composite)

	Flow	Daily Influent Value (mg/L)	Daily Influent VolatileVSS (mg/L)	Percent of TSS (%)	Daily Influent Value (lbs/Day)	Daily Effluent Value (mg/L)	Daily Effluent VolatileVSS (mg/L)	Percent of TSS (%)	Daily Effluent Value (lbs/Day)
JANUARY -2005	214.5	245	197	80.4	438288	38	26	68.4	67979
FEBRUARY -2005	216.8	251	199	79.3	453836	39	26	66.7	70516
MARCH -2005	204.1	239	198	82.8	406824	36	25	69.4	61279
APRIL -2005	180.6	268	224	83.6	403663	38	27	71.1	57236
MAY -2005	178.5	269	224	83.3	400458	40	28	70.0	59548
JUNE -2005	175.8	287	238	82.9	420791	45	31	68.9	65978
JULY -2005	173.0	280	235	83.9	403990	47	33	70.2	67813
AUGUST -2005	171.4	294	245	83.3	420266	41	29	70.7	58609
SEPTEMBER-2005	170.6	296	247	83.4	421150	42	29	69.0	59758
OCTOBER -2005	173.0	281	232	82.6	405432	43	29	67.4	62041
NOVEMBER -2005	170.3	290	240	82.8	411888	39	27	69.2	55392
DECEMBER -2005	169.3	292	241	82.5	412293	39	26	66.7	55067
Average	183.2	274	227		416573	41	28		61768

Annual Mass Emissions are calculated from monthly averages of flow and BOD (or TSS), whereas monthly report average mass emissions are calculated from average daily mass emissions.

POINT LOMA WASTEWATER TREATMENT PLANT

Annual Systemwide BOD Removals

From 01-JAN-2005 To 31-DEC-2005

Mass emissions are in pounds per day

	Pt. Loma Influent Mass Emission	PS64 Influent Mass Emission	Penasquitos Influent Mass Emission	Return Stream Mass Emission	Pt. Loma Effluent Mass Emission	Monthly Systemwide Percent Removal	Pt. Loma Daily Percent Removal
JANUARY	389987	23454	19823	14026	157426	62.2	59.6
FEBRUARY	395977	22676	15084	15561	160922	62.0	59.4
MARCH	376185	21601	20299	11884	163411	59.7	56.6
APRIL	382576	23872	15360	11589	162670	60.5	57.5
MAY	393014	23752	15252	10677	166733	60.1	57.6
JUNE	394400	14388	17398	12364	167144	59.4	57.6
JULY	369362	31812	9804	9431	161596	59.8	56.3
AUGUST	370234	40647	0*	13037	150095	62.3	59.5
SEPTEMBER	377043	36644	3216	8933	152240	62.7	59.6
OCTOBER	379462	26847	13060	11088	161596	60.2	57.4
NOVEMBER	393424	27456	17821	10831	159074	62.7	59.6
DECEMBER	361462	26391	15619	12006	142608	63.1	60.5
Average	381927	26628	13561	11786	158793	61.2	58.4

Annual Systemwide TSS Removals

From 01-JAN-2005 To 31-DEC-2005

	Pt. Loma Influent Mass Emission	PS64 Influent Mass Emission	Penasquitos Influent Mass Emission	Return Stream Mass Emission	Pt. Loma Effluent Mass Emission	Monthly Systemwide Percent Removal	Pt. Loma Daily Percent Removal
JANUARY	438288	26718	25867	22612	67979	85.4	84.5
FEBRUARY	453836	24025	16950	25924	70516	85.0	84.5
MARCH	406824	20112	20554	23212	61279	85.7	84.9
APRIL	403663	24215	19602	26101	57236	86.2	85.8
MAY	400458	24579	20955	20338	59548	85.9	85.1
JUNE	420791	15300	22286	32454	65978	84.3	84.3
JULY	403990	32120	13685	23343	67813	84.1	83.2
AUGUST	420266	43289	0*	24494	58609	86.6	86.1
SEPTEMBER	421150	42605	5197	20745	59758	86.6	85.8
OCTOBER	405432	26443	15727	25612	62041	85.2	84.7
NOVEMBER	411888	25158	20680	22446	55392	87.2	86.6
DECEMBER	412293	25520	22017	20692	55067	87.5	86.6
Average	416573	27507	16960	23998	61768	85.8	85.2

Annual mass emissions are calculated from monthly averages of flow and TSS, whereas Monthly Report average mass emissions are calculated from average daily mass emissions.

The mass emission for the Return Stream is calculated using data from four NCWRP sources (plant drain, filter backwash, excess primary effluent, and disinfected final effluent that is not reclaimed) and one MBC source (centrate from the dewatering process) that are diverted to the Return Stream.

\*=Penasquitos Pump Station was off-line. Flow was diverted to PS64.



POINT LOMA WASTEWATER TREATMENT PLANT

From 01-JAN-2005 To 31-DEC-2005

Influent to Plant  
(PLR)

		pH	Settleable Solids (ml/L)	Biochemical Oxygen Demand (mg/L)	Hexane Extractable Material (mg/L)	Temperature ( C )
=====	=====	=====	=====	=====	=====	=====
JANUARY	-2005	7.31	7.65	218	30.4	21.8
FEBRUARY	-2005	7.38	6.97	219	30.1	21.8
MARCH	-2005	7.42	7.88	221	34.9	22.5
APRIL	-2005	7.44	9.53	254	43.1	23.7
MAY	-2005	7.36	9.92	264	39.8	24.7
JUNE	-2005	7.28	12.40	269	43.7	25.7
JULY	-2005	7.30	11.40	256	41.1	26.9
AUGUST	-2005	7.20	12.20	259	39.7	27.8
SEPTEMBER	-2005	7.22	11.10	265	38.3	27.5
OCTOBER	-2005	7.25	10.70	263	35.4	26.7
NOVEMBER	-2005	7.22	9.99	277	34.2	25.4
DECEMBER	-2005	7.20	10.10	256	38.9	23.9
=====	=====	=====	=====	=====	=====	=====
Average		7.30	10.0	252	37.5	24.9

Effluent to Ocean Outfall  
(PLE)

		pH	Settleable Solids (ml/L)	Biochemical Oxygen Demand (mg/L)	Hexane Extractable Material (mg/L)	Temperature ( C )	Floating Particulates (mg/L)	Turbidity (NTU)
=====	=====	=====	=====	=====	=====	=====	=====	=====
JANUARY	-2005	7.26	0.2	88	13.3	21.8	<0.10	51
FEBRUARY	-2005	7.34	0.2	89	13.0	21.9	<0.10	47
MARCH	-2005	7.33	0.2	96	14.9	22.5	0.12	42
APRIL	-2005	7.35	0.3	108	17.2	23.7	<0.10	47
MAY	-2005	7.28	0.3	112	14.5	25.0	<0.10	51
JUNE	-2005	7.23	0.2	114	14.8	25.9	<0.10	52
JULY	-2005	7.22	0.3	112	13.7	27.1	0.25	53
AUGUST	-2005	7.16	0.3	105	12.4	28.0	<0.10	49
SEPTEMBER	-2005	7.09	0.5	107	12.7	27.7	<0.10	47
OCTOBER	-2005	7.14	0.4	112	13.4	26.8	<0.10	47
NOVEMBER	-2005	7.12	0.3	112	13.5	25.6	<0.10	45
DECEMBER	-2005	7.13	0.3	101	11.5	23.9	0.10	46
=====	=====	=====	=====	=====	=====	=====	=====	=====
Average		7.22	0.3	105	13.7	25.0	0.04	48

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SEWAGE  
Trace Metals  
(Limits shown are the 6-Month Median Maximum)

From: 01-JAN-2005 to: 31-DEC-2005

Sampled by: NDL,A4A  
Analyzed by: BOA,G8C,JRF,IEN,LXP,JRV, GS

Analyte:	Antimony	Antimony	Arsenic	Arsenic	Beryllium	Beryllium	Cadmium	Cadmium
MDL Units:	1.015	1.015	.4	.4	.0395	.0395	.1945	.1945
Source:	PLR	PLE	PLR	PLE	PLR	PLE	PLR	PLE
JANUARY -2005	ND	ND	2.01	1.27	ND	ND	<0.2	0.2
FEBRUARY -2005	ND	ND	1.90	1.34	ND	ND	0.6	0.3
MARCH -2005	ND	ND	2.25	1.33	ND	ND	0.3	0.3
APRIL -2005	ND	<1	1.90	1.13	ND	ND	ND	ND
MAY -2005	<1	<1	1.91	1.31	ND	ND	0.4	<0.2
JUNE -2005	4	4	1.43	0.91	ND	ND	0.8	0.6
JULY -2005	<1	<1	1.58	1.22	ND	ND	0.3	ND
AUGUST -2005	<1	ND	1.30	0.88	ND	ND	0.5	<0.2
SEPTEMBER-2005	<1	ND	1.87	1.37	ND	ND	0.4	ND
OCTOBER -2005	<1	ND	1.44	0.74	ND	ND	0.3	ND
NOVEMBER -2005	ND	ND	2.40	1.58	ND	ND	0.4	0.2
DECEMBER -2005	ND	ND	1.15	0.51	<0.04	ND	ND	ND
AVERAGE	<0	0	1.76	1.13	0.00	ND	0.3	0.1

Analyte:	Chromium	Chromium	Copper	Copper	Iron	Iron	Lead	Lead
MDL Units:	.1885	.1885	.3925	.3925	.785	.785	1.384	1.384
Source:	PLR	PLE	PLR	PLE	PLR	PLE	PLR	PLE
JANUARY -2005	4.1	1.1	77	33	7210	6250	ND	ND
FEBRUARY -2005	5.7	2.1	93	42	8140	7310	<1.4	ND
MARCH -2005	4.0	1.9	75	24	4250	4620	ND	ND
APRIL -2005	5.6	7.4	111	32	6670	5410	ND	<1.4
MAY -2005	5.6	3.6	97	29	7620	7360	4.0	ND
JUNE -2005	5.7	4.8	111	33	8740	6140	2.8	<1.4
JULY -2005	4.1	1.5	122	26	8490	6140	3.4	ND
AUGUST -2005	4.4	1.2	100	21	9000	5040	1.7	ND
SEPTEMBER-2005	5.4	1.6	102	19	10300	6020	4.0	ND
OCTOBER -2005	4.4	<0.2	103	22	12300	6410	2.7	ND
NOVEMBER -2005	6.6	2.9	133	27	9860	5930	3.6	ND
DECEMBER -2005	3.9	0.5	61	26	9160	5790	<1.4	ND
AVERAGE	5.0	2.4	99	28	8478	6035	1.9	0.0

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 ANNUAL SEWAGE  
 Trace Metals  
 (Limits shown are the 6-Month Median Maximum)

From: 01-JAN-2005 to: 31-DEC-2005

Sampled by: NDL,A4A  
 Analyzed by: BOA,G8C,JRF,IEN,LXP,JRV, GS

Analyte:	Mercury	Mercury	Nickel	Nickel	Selenium	Selenium	Silver	Silver
MDL Units:	.09	.09	.2675	.2675	.28	.28	.156	.156
Source:	PLR	PLE	PLR	PLE	PLR	PLE	PLR	PLE
=====								
JANUARY -2005	ND	ND	9	8	1.83	1.44	ND	ND
FEBRUARY -2005	0.28	ND	11	9	1.54	1.09	1.0	ND
MARCH -2005	<0.09	ND	9	7	1.42	1.09	0.3	ND
APRIL -2005	0.09	ND	8	9	1.68	0.97	2.3	<0.2
MAY -2005	0.27	ND	9	8	1.65	1.00	2.3	<0.2
JUNE -2005	0.20	ND	12	16	1.90	1.06	2.0	0.2
JULY -2005	0.25	ND	9	7	1.54	1.02	1.1	ND
AUGUST -2005	0.10	ND	8	7	1.57	0.98	1.0	ND
SEPTEMBER-2005	0.09	ND	13	8	1.69	0.93	2.1	<0.2
OCTOBER -2005	0.47	<0.09	10	7	1.44	0.82	1.1	ND
NOVEMBER -2005	0.11	ND	12	9	1.92	1.05	1.3	ND
DECEMBER -2005	0.14	ND	12	9	1.94	1.23	<0.2	ND
=====								
AVERAGE	0.17	0.00	10	9	1.68	1.06	1.2	0.0

Analyte:	Thallium	Thallium	Zinc	Zinc
MDL Units:	1.806	1.806	.5435	.5435
Source:	PLR	PLE	PLR	PLE
=====				
JANUARY -2005	ND	ND	103	23
FEBRUARY -2005	ND	ND	137	24
MARCH -2005	ND	ND	112	25
APRIL -2005	ND	<1.8	141	31
MAY -2005	ND	ND	133	22
JUNE -2005	ND	ND	125	50
JULY -2005	<1.8	ND	111	21
AUGUST -2005	ND	ND	124	20
SEPTEMBER-2005	ND	ND	146	21
OCTOBER -2005	ND	ND	138	18
NOVEMBER -2005	ND	ND	168	23
DECEMBER -2005	ND	ND	134	23
=====				
AVERAGE	0.0	0.0	131	25

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

POINT LOMA WASTEWATER TREATMENT PLANT  
 ANNUAL SEWAGE  
 Ammonia-Nitrogen and Total Cyanides  
 (Limits shown are the 6-Month Median Maximum)

From: 01-JAN-2005 to: 31-DEC-2005

Sampled by: NDL,A4A  
 Analyzed by: JJI,HHD,JRV

	Ammonia-N .2 MG/L PLR	Ammonia-N .2 MG/L PLE	Cyanides,Total .002 MG/L PLR	Cyanides,Total .002 MG/L PLE
Limit:		123		0.200
=====	=====	=====	=====	=====
JANUARY -2005	24.6	24.2	0.0029	0.0025
FEBRUARY -2005	26.2	26.0	0.0026	0.0029
MARCH -2005	24.2	23.8	0.0028	0.0024
APRIL -2005	27.9	27.7	0.0029	0.0029
MAY -2005	28.5	27.9	0.0022	0.0024
JUNE -2005	29.7	29.3	<0.0020	<0.0020
JULY -2005	28.8	28.4	0.0029	0.0026
AUGUST -2005	28.3	28.1	<0.0020	0.0020
SEPTEMBER-2005	28.7	28.6	0.0021	<0.0020
OCTOBER -2005	28.9	28.6	<0.0020	<0.0020
NOVEMBER -2005	28.8	28.7	<0.0020	<0.0020
DECEMBER -2005	30.1	28.9	0.0040	0.0020
=====	=====	=====	=====	=====
Average:	27.9	27.5	0.0019	0.0016

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SEWAGE  
Radioactivity

From: 01-JAN-2005 to: 31-DEC-2005

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

Source	Month		Gross Alpha Radiation	Gross Beta Radiation
=====	=====		=====	=====
PLE	JANUARY	-2005	1.5±1.6	15.0±3.6
PLE	FEBRUARY	-2005	3.2±1.6	18.9±2.7
PLE	MARCH	-2005	2.5±1.0	8.8±3.5
PLE	APRIL	-2005	1.1±1.2	16.8±4.5
PLE	MAY	-2005	2.9±1.1	13.9±3.3
PLE	JUNE	-2005	3.0±1.7	19.3±3.5
PLE	JULY	-2005	1.3±0.7	14.3±3.6
PLE	AUGUST	-2005	1.3±0.8	20.2±4.8
PLE	SEPTEMBER	-2005	2.0±0.9	11.7±3.9
PLE	OCTOBER	-2005	1.9±1.1	13.1±3.4
PLE	NOVEMBER	-2005	0.7±0.8	25.7±3.8
PLE	DECEMBER	-2005	2.7±1.5	18.1±4.1
=====	=====		=====	=====
AVERAGE			2.0±1.2	16.3±3.7

Source	Month		Gross Alpha Radiation	Gross Beta Radiation
=====	=====		=====	=====
PLR	JANUARY	-2005	1.9±1.6	15.9±3.5
PLR	FEBRUARY	-2005	2.6±1.3	24.0±3.3
PLR	MARCH	-2005	6.1±1.5	8.2±4.1
PLR	APRIL	-2005	2.3±1.8	18.7±4.6
PLR	MAY	-2005	3.7±1.3	21.6±4.2
PLR	JUNE	-2005	4.7±1.4	19.9±4.3
PLR	JULY	-2005	5.3±1.7	16.3±3.8
PLR	AUGUST	-2005	4.9±1.1	16.7±3.4
PLR	SEPTEMBER	-2005	5.1±1.6	16.9±3.9
PLR	OCTOBER	-2005	5.8±1.6	17.4±3.6
PLR	NOVEMBER	-2005	3.1±1.8	21.3±4.2
PLR	DECEMBER	-2005	4.6±2.0	27.5±4.6
=====	=====		=====	=====
AVERAGE			4.2±1.6	18.7±3.9

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

Units in picocuries/liter (pCi/L)

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL - Chlorinated Pesticide Analysis

From 01-JAN-2005 To 31-DEC-2005

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
			JAN Avg	FEB Avg	MAR Avg	APR Avg	MAY Avg	JUN Avg	JUL Avg	AUG Avg	SEP Avg	OCT Avg	NOV Avg	DEC Avg	Average	
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	<10	<10	11	13	<10	16	32	<10	<10	ND	<10	6	6
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	ND	ND	0
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	<30	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
=====																
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	11	13	0	16	32	0	0	0	0	0	6
DDT and derivatives	100	NG/L	0	0	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	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	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	0	0
=====																
Heptachlors	20	NG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0
=====																
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	11	13	0	16	32	0	0	0	0	0	6

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL - Chlorinated Pesticide Analysis

From 01-JAN-2005 To 31-DEC-2005

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
			JAN Avg	FEB Avg	MAR Avg	APR Avg	MAY Avg	JUN Avg	JUL Avg	AUG Avg	SEP Avg	OCT Avg	NOV Avg	DEC Avg	Average	
Aldrin	60	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	21	ND	<10	37	29	20	29	26	22	30	<10	<10	18	18
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND	ND	<20	ND	ND	ND	ND	<20	0	0
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<20	0	0
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	<30	ND	ND	ND	ND	ND	ND	ND	<30	0	0
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<80	0	0
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
=====																
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	21	0	0	37	29	20	29	26	22	30	0	0	0	18
DDT and derivatives	100	NG/L	0	0	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	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	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	0	0
=====																
Heptachlors	20	NG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0
=====																
Chlorinated Hydrocarbons	4000	NG/L	21	0	0	37	29	20	29	26	22	30	0	0	0	18

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

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

From 01-JAN-2005 To 31-DEC-2005

Sampling: AM

Analyst: CW

Analyte	MDL Units	PLE	PLE	PLR	PLR	MBC_COMBCN
		10-MAY-2005 P295093	04-OCT-2005 P314584	10-MAY-2005 P295098	04-OCT-2005 P314589	10-MAY-2005 P295108
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	<0.0	ND	0.1	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	0.1	0.1	<0.0	0.1	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.1	0.1	<0.0	0.1	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	<0.1	0.1	<0.1	0.2	0.0

Additional Compounds

Analyte	MDL Units	PLE	PLE	PLR	PLR	MBC_COMBCN
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	0.1	ND

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



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

From 01-JAN-2005 To 31-DEC-2005

Sampling: AM

Analyst: CW

Analyte	MDL Units	MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL	MBC_NC_RSL
		04-OCT-2005 P314599	10-MAY-2005 P295163	04-OCT-2005 P314654	10-MAY-2005 P295161	04-OCT-2005 P314652
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	0.0	0.0	0.0	0.0	0.0

Additional Compounds

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

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

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

From 01-JAN-2005 To 31-DEC-2005

Sampling: AM

Analyst: CW

Analyte	MDL Units	RAW COMP	RAW COMP	DIG COMP	DIG COMP
		10-MAY-2005 P295133	04-OCT-2005 P314624	10-MAY-2005 P295147	04-OCT-2005 P314638
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	3.0	ND	1.3	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	3.0	0.0	1.3	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3 UG/L	3.0	4.5	2.8	4.9

Additional Compounds

Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	4.5	1.5	4.9

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

POINT LOMA WASTEWATER TREATMENT PLANT  
ANNUAL SEWAGE MONTHLY - Tributyl Tin analysis

From 01-JAN-2005 To 31-DEC-2005  
Sampling: AM Analyst: JCM

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	Average
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Dibutyl tin	7	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	Average
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Dibutyl tin	7	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tributyl tin	2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL - Acid Extractables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	Average
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND	<1.8	ND	ND	ND	ND	ND	0.0
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	8.0	7.5	8.9	12.5	11.5	12.2	11.6	8.0	11.6	11.0	12.9	11.3	10.6
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	8.0	7.5	8.9	12.5	11.5	12.2	11.6	8.0	11.6	11.0	12.9	11.3	10.6
Phenols	6.07	UG/L	8.0	7.5	8.9	12.5	11.5	12.2	11.6	8.0	11.6	11.0	12.9	11.3	10.6

Additional analytes determined;

2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	26.5	22.7	24.5	34.6	31.7	27.2	28.1	21.5	24.1	30.2	35.4	31.3	28.2
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	Average
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	11.3	11.3	11.6	14.8	18.7	16.0	15.4	11.7	12.9	14.7	16.0	16.5	14.2
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	11.3	11.3	11.6	14.8	18.7	16.0	15.4	11.7	12.9	14.7	16.0	16.5	14.2
Phenols	6.07	UG/L	11.3	11.3	11.6	14.8	18.7	16.0	15.4	11.7	12.9	14.7	16.0	16.5	14.2

Additional analytes determined;

2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	35.0	31.2	33.4	42.4	50.9	37.8	41.1	30.2	30.1	41.6	47.9	47.2	39.1
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL Priority Pollutants Base/Neutrals

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	<2.3	<2.3	<2.3	<2.3	2.8	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	0.2
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	<7.0	ND	ND	<7.0	ND	ND	ND	ND	ND	ND	ND	0.0
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	<10.4	ND	ND	ND	ND	ND	<10.4	ND	ND	ND	ND	0.0
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
=====															
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=====															
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Additional analytes determined;

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

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL Priority Pollutants Base/Neutrals

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	
			JAN Avg	FEB Avg	MAR Avg	APR Avg	MAY Avg	JUN Avg	JUL Avg	AUG Avg	SEP Avg	OCT Avg	NOV Avg	DEC Avg	Average	
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	<1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	<2.3	<2.3	<2.3	3.8	3.0	<2.3	<2.3	<2.3	<2.3	<2.3	3.3	<2.3	0.8	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	1.0
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	13.1	12.4	ND	<10.4	17.4	15.2	12.5	15.4	18.3	19.4	11.2	15.1	12.5	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	13.1	12.4	0.0	3.8	32.8	15.2	12.5	15.4	18.3	19.4	14.5	15.1	14.4	ND

Additional analytes determined;

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

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL Priority Pollutants Purgeables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	Average
			JAN Avg	FEB Avg	MAR Avg	APR Avg	MAY Avg	JUN Avg	JUL Avg	AUG Avg	SEP Avg	OCT Avg	NOV Avg	DEC Avg		
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	<1.0	ND	ND	ND	ND	0.0	
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	1	UG/L	1.1	2.4	2.8	2.6	3.8	3.2	2.1	4.3	3.7	6.3	2.5	4.3	3.3	
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	1	UG/L	4.7	6.8	5.4	6.6	7.8	5.9	6.2	8.4	6.0	9.2	6.6	8.5	6.8	
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	1	UG/L	1.9	2.0	1.3	1.1	1.1	ND	ND	<1.0	1.0	ND	ND	1.4	0.8	
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	1	UG/L	1.8	1.9	1.1	ND	ND	ND	ND	ND	ND	ND	<1.0	1.1	0.5	
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	1	UG/L	ND	ND	ND	3.0	ND	ND	ND	ND	ND	<1.0	ND	0.3	0.3	
Toluene	1	UG/L	ND	3.5	ND	3.5	1.3	ND	ND	1.9	1.1	1.5	1.7	1.1	1.3	
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Halomethane Purgeable Cmpnds	1	UG/L	3.7	3.9	2.4	1.1	1.1	0.0	0.0	0.0	1.0	0.0	0.0	2.5	1.3	
Purgeable Compounds	13.8	UG/L	15.5	22.7	10.6	33.8	29.4	18.1	8.3	22.6	19.3	26.3	10.8	16.4	19.5	

Additional analytes determined;

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	965	1580	1040	868	4560	1750	426	3090	928	1040	1740	1160	1596
Carbon disulfide	1	UG/L	ND	ND	ND	1.4	2.1	1.7	1.2	1.6	ND	2.1	1.6	2.1	1.2
2-butanone	4	UG/L	6.0	6.1	ND	17.0	15.4	9.0	ND	8.0	7.5	9.3	<4.0	ND	6.5
Methyl tert-butyl ether	1	UG/L	1.1	1.6	1.4	4.1	3.8	2.2	2.1	2.6	2.3	2.4	2.4	1.7	2.3

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

POINT LOMA WASTEWATER TREATMENT PLANT  
SEWAGE ANNUAL Priority Pollutants Purgeables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	Average
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	
Chloromethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.1	2.2	2.1	2.7	3.7	ND	1.9	2.8	8.1	5.0	2.7	2.7	2.9	
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1	UG/L	5.6	8.3	4.6	15.9	7.3	6.0	5.0	7.6	5.5	5.7	6.6	10.3	7.4	
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	2.1	2.5	1.0	2.4	ND	ND	ND	ND	1.3	ND	ND	1.2	0.9	
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Benzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	1.8	2.2	ND	1.4	ND	ND	ND	ND	ND	ND	1.5	ND	0.6	
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	1.4	ND	4.8	ND	ND	ND	ND	ND	ND	2.1	ND	0.7	
Toluene	1	UG/L	ND	2.8	ND	2.5	1.1	ND	ND	ND	ND	ND	ND	ND	0.5	
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	3.9	4.7	1.0	3.8	0.0	0.0	0.0	0.0	1.3	0.0	1.5	1.2	1.5	
Purgeable Compounds	13.8	UG/L	10.6	24.9	7.7	29.7	24.3	6.0	6.9	20.8	14.9	15.9	17.2	14.2	16.1	

Additional analytes determined;

Allyl chloride	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	20	UG/L	1190	1610	859	2350	2050	1250	326	1110	637	1630	2050	1010	1339	
Carbon disulfide	1	UG/L	ND	1.4	ND	3.8	2.2	<1.0	1.5	1.2	1.8	1.4	1.3	2.7	1.4	
2-butanone	4	UG/L	ND	4.5	ND	ND	12.2	<4.0	ND	10.4	ND	5.2	4.3	ND	3.1	
Methyl tert-butyl ether	1	UG/L	1.1	1.5	1.4	ND	2.7	1.3	2.4	2.0	1.7	2.5	ND	1.5	1.5	

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



POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	Equiv	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P284964	P285772	P290601	P294448	P295093	P301231	P304402	P305422	P312727
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLE	PLE	PLE
				OCT	NOV	DEC
				P314584	P320957	P323137
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLE	PLE	PLE	PLE	PLE	PLE	PLE	PLE	
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
			P284964	P285772	P290601	P294448	P295093	P301231	P304402	P305422	P312727
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLE	PLE	PLE
			TCDD	TCDD	TCDD
			OCT	NOV	DEC
			P314584	P320957	P323137
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	Equiv	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
				P284967	P285777	P290604	P294451	P295098	P301234	P304405	P305427	P312730
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	Equiv	PLR	PLR	PLR
				OCT	NOV	DEC
				P314589	P320960	P323140
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

POINT LOMA WASTEWATER TREATMENT PLANT  
Annual Sewage Dioxin and Furan Analysis

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	
			TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD	TCDD
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
			P284967	P285777	P290604	P294451	P295098	P301234	P304405	P305427	P312730
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PLR	PLR	PLR
			TCDD	TCDD	TCDD
			OCT	NOV	DEC
			P314589	P320960	P323140
2,3,7,8-tetra CDD	500	PG/L	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	ND	ND	ND
octa CDD	1000	PG/L	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	ND	ND	ND
octa CDF	1000	PG/L	ND	ND	ND

Above are permit required CDD/CDF isomers.

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

**2005  
Point Loma Treatment Plant  
Total Coliforms**

The following are the monthly Total Coliform results of the Point Loma Treatment Plant Effluent. The value is stated in terms of Most Probable Number (MPN) per 100 milliliters of sample.

SAMPLE SOURCE (Pt. Loma Treatment Plant Effluent)

DATE	TOTAL COLIFORM (MPN Index/100ml)
January 3, 2005	7,000,000
February 8, 2005	2,800,000
March 10, 2005	13,000,000
April 7, 2005	14,000,000
May 3, 2005	8,000,000
June 2, 2005	23,000,000
July 14, 2005	23,000,000
August 1, 2005	17,000,000
September 6, 2005	17,000,000
October 6, 2005	30,000,000
November 3, 2005	30,000,000
December 5, 2005	23,000,000
Average	17,316,667

POINT LOMA WASTEWATER TREATMENT PLANT  
From 01-JAN-2005 To 31-DEC-2005

MDL:	Total Hardness		Calcium Hardness		Magnesium Hardness		Calcium		Magnesium	
	.22 Inf.	mg/L Eff.	.2 Inf.	mg/L Eff.	.08 Inf.	mg/L Eff.	.034 Inf.	mg/L Eff.	.014 Inf.	mg/L Eff.
JANUARY -2005	474	452	243	228	231	225	98	91	56	55
FEBRUARY -2005	444	424	221	207	223	218	88	83	54	53
MARCH -2005	429	421	224	214	205	206	90	86	50	50
APRIL -2005	466	456	237	226	229	229	95	91	56	56
MAY -2005	497	489	259	245	237	244	104	98	58	59
JUNE -2005	508	493	266	253	243	241	106	101	59	58
JULY -2005	501	471	256	235	245	236	102	94	60	57
AUGUST -2005	485	435	247	217	238	218	100	88	58	53
SEPTEMBER-2005	434	422	224	206	211	216	90	83	51	52
OCTOBER -2005	463	411	237	206	226	206	95	83	55	50
NOVEMBER -2005	407	406	211	203	196	203	85	82	48	49
DECEMBER -2005	436	417	228	209	208	208	91	84	51	50
Average:	462	441	238	221	224	221	95	89	55	54

MDL:	Alkalinity		Total Solids		Total Vol. Solids		Conductivity		Fluoride	
	1.5 Inf.	mg/L Eff.	100 Inf.	mg/L Eff.	100 Inf.	mg/L Eff.	10umhos/cm Inf.	mg/L Eff.	.05 Inf.	mg/L Eff.
JANUARY -2005	273	245	1850	1710	484	375	2550	2520	0.65	0.66
FEBRUARY -2005	277	252	1590	1380	406	255	2790	2800	0.75	0.88
MARCH -2005	274	247	1760	1510	457	282	2630	2630	0.64	0.71
APRIL -2005	296	268	1840	1580	507	286	2870	2870	0.69	0.73
MAY -2005	291	263	2110	1700	616	396	2950	2950	0.69	0.84
JUNE -2005	301	274	2130	1820	597	361	3020	3000	0.71	0.91
JULY -2005	292	267	2090	1860	531	415	2990	2950	0.99	0.78
AUGUST -2005	282	248	2090	1880	617	438	2880	2910	1.26	0.55
SEPTEMBER-2005	287	261	1990	1700	598	383	2780	2800	0.88	0.94
OCTOBER -2005	287	262	1880	1630	523	328	2720	2700	0.65	0.91
NOVEMBER -2005	285	259	1920	1700	625	404	2760	2740	0.89	0.86
DECEMBER -2005	287	265	1900	1660	560	357	2710	2690	0.73	0.79
Average:	286	259	1929	1678	543	357	2804	2797	0.79	0.80

MDL:	Chloride		Bromide		Sulfate		Nitrate		Ortho Phosphate	
	7 Inf.	mg/L Eff.	.1 Inf.	mg/L Eff.	9 Inf.	mg/L Eff.	.04 Inf.	mg/L Eff.	.2 Inf.	mg/L Eff.
JANUARY -2005	497	508	1.21	1.22	258	269	ND	0.99	1.94	ND
FEBRUARY -2005	562	607	1.46	1.56	232	238	ND	0.33	1.72	ND
MARCH -2005	509	537	1.34	1.35	225	225	ND	1.07	4.83	ND
APRIL -2005	560	590	1.38	1.57	231	232	ND	ND	4.80	ND
MAY -2005	567	604	0.87	1.35	238	243	ND	ND	3.15	ND
JUNE -2005	622	594	1.18	1.44	258	258	ND	0.79	5.31	ND
JULY -2005	636	604	1.68	1.53	261	263	ND	ND	5.52	ND
AUGUST -2005	609	589	1.54	1.54	258	262	ND	0.13	1.90	ND
SEPTEMBER-2005	557	550	1.46	1.46	240	242	ND	ND	3.35	ND
OCTOBER -2005	574	540	1.47	1.39	242	244	ND	ND	4.53	ND
NOVEMBER -2005	522	538	1.34	1.35	236	241	ND	0.34	5.82	ND
DECEMBER -2005	517	523	1.34	1.34	247	255	ND	1.11	3.29	ND
Average:	561	565	1.36	1.43	244	248	ND	0.40	3.85	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT  
From 01-JAN-2005 To 31-DEC-2005

MDL:	Lithium		Sodium		Potassium		Chemical Oxygen Demand		Soluble BOD	
	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.
JANUARY -2005	0.04	0.04	346	340	24.1	24.0	442	205	69	63
FEBRUARY -2005	0.03	0.03	348	348	23.3	23.6	418	193	74	62
MARCH -2005	<0.00	<0.00	316	325	20.9	21.0	468	213	83	70
APRIL -2005	0.04	0.05	362	364	25.4	25.1	483	277	92	77
MAY -2005	0.04	0.04	358	376	28.2	27.3	505	229	97	80
JUNE -2005	0.04	0.05	375	376	24.6	26.1	455	243	90	78
JULY -2005	0.05	0.05	373	359	25.4	26.4	507	231	93	77
AUGUST -2005	0.07	0.05	371	335	24.1	22.7	377	222	88	74
SEPTEMBER-2005	0.05	0.05	354	315	28.2	24.7	536	235	95	80
OCTOBER -2005	0.06	0.06	345	313	25.0	23.9	370	220	97	81
NOVEMBER -2005	0.06	0.06	282	296	22.7	23.9	530	250	94	79
DECEMBER -2005	0.04	0.04	309	307	23.3	20.9	377	217	82	74
Average:	<0.04	<0.04	345	338	24.6	24.1	456	228	88	75

MDL:	Total Disolved Solids		Floatables		Turbidity		Aluminum		Barium	
	Inf.	Eff.	Inf.	Eff.	Inf.	NTU	Inf.	Eff.	Inf.	Eff.
JANUARY -2005	1470	1460	1.8	0.1	135	51	1210	69	92	39
FEBRUARY -2005	1430	1420	1.6	<0.1	131	47	1370	74	95	33
MARCH -2005	1470	1460	1.5	0.1	120	42	1450	130	79	32
APRIL -2005	1560	1550	2.0	0.1	130	47	1100	116	98	35
MAY -2005	1640	1620	1.6	<0.1	129	51	1290	173	99	38
JUNE -2005	1650	1630	1.3	0.1	126	52	1280	228	112	41
JULY -2005	1730	1700	1.1	0.2	124	53	854	109	99	40
AUGUST -2005	1630	1620	0.9	0.1	125	49	1090	133	110	42
SEPTEMBER-2005	1610	1580	1.6	0.1	118	47	1080	47	107	36
OCTOBER -2005	1600	1570	1.7	0.1	117	47	1150	65	110	39
NOVEMBER -2005	1590	1560	2.1	0.1	119	45	1270	223	118	39
DECEMBER -2005	1520	1520	1.2	0.1	122	46	1050	118	102	38
Average:	1575	1558	1.5	0.1	125	48	1183	124	102	38

MDL:	Boron		Cobalt		Molybdenum		Manganese		Vanadium	
	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.
JANUARY -2005	427	429	1	<0	9	8	133	157	6	2
FEBRUARY -2005	443	439	1	1	11	11	152	170	7	2
MARCH -2005	462	442	1	<0	10	9	129	153	7	3
APRIL -2005	426	404	2	2	12	8	145	170	7	3
MAY -2005	433	444	<0	<0	11	10	144	165	6	3
JUNE -2005	446	487	<0	<0	14	13	160	147	7	7
JULY -2005	464	464	1	1	16	11	157	159	6	10
AUGUST -2005	468	471	1	1	15	10	173	175	17	16
SEPTEMBER-2005	389	305	1	1	12	9	161	162	10	13
OCTOBER -2005	458	468	<0	<0	12	9	203	184	5	9
NOVEMBER -2005	431	433	1	1	12	9	166	158	7	10
DECEMBER -2005	439	386	1	1	6	7	163	164	4	9
Average:	441	431	<1	<1	12	10	157	164	7	7

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

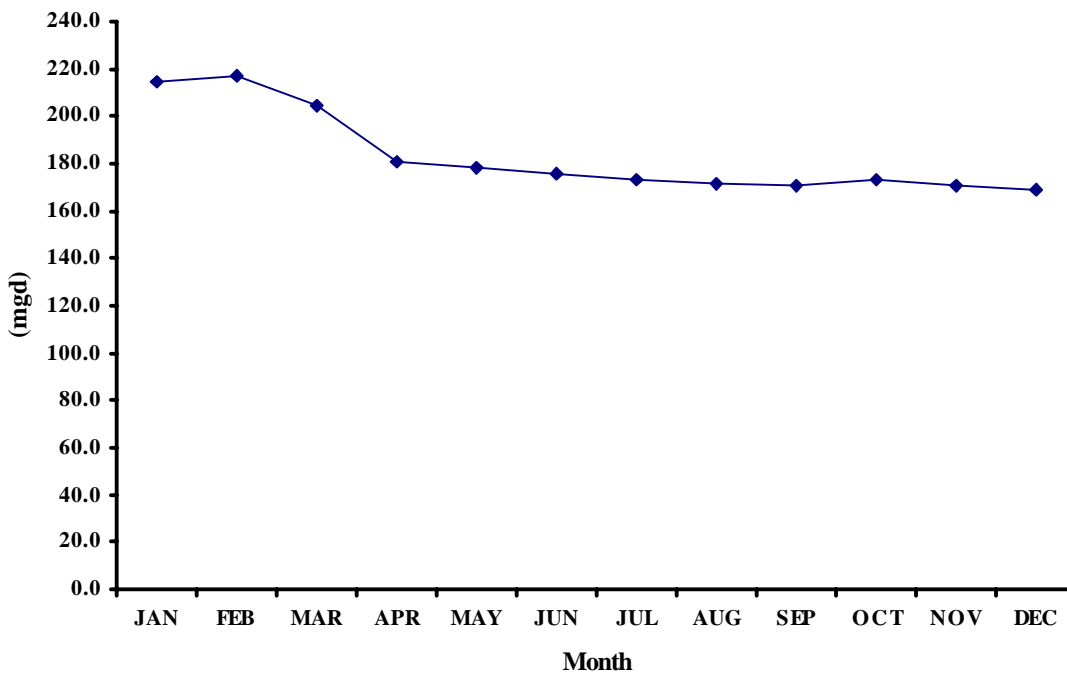
Samples are 24 hour composites

## B. Influent and Effluent Graphs.

Graphs of monthly averages for permit parameters with measurable concentration averages.

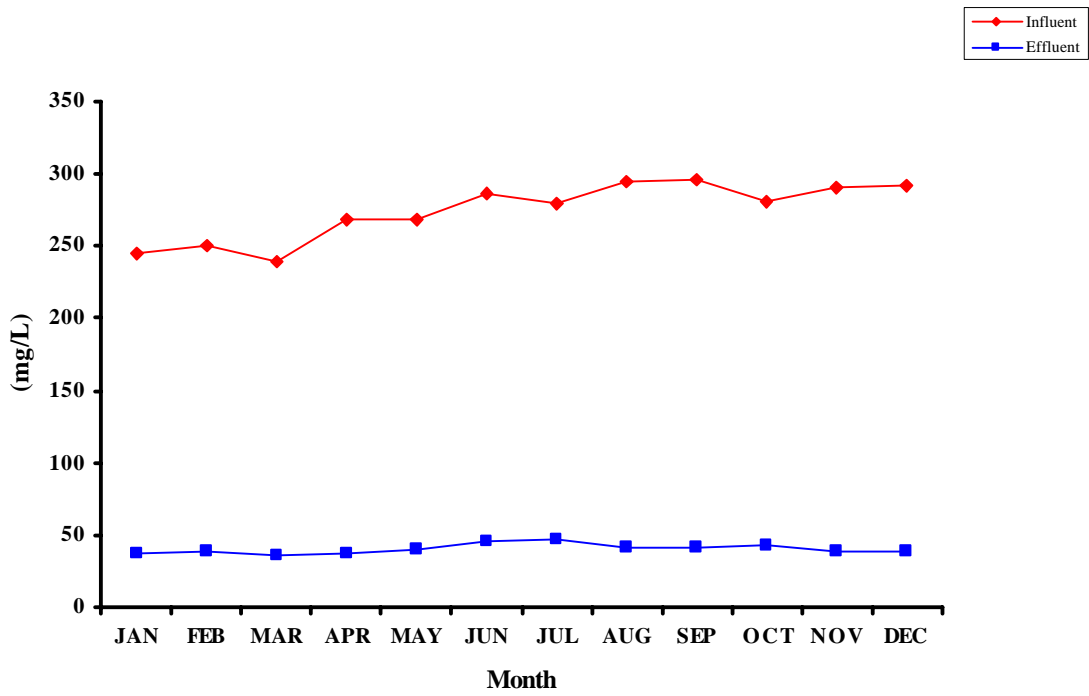
Where possible, the influent and effluent values of a given parameter have been included on the same graph so that removals and other relationships are readily apparent. Please note that many of the graphs are on expanded scales. That is, they normally don't go to zero concentrations but show, in magnified scale, that range of concentrations where variation takes place. This makes differences and some trends obvious that might normally not be noticed. However, it also provides the temptation to interpret minor changes or trends as being of more significance than they are. Frequent reference to the scales and the actual differences in concentrations is therefore necessary.

**PLWWTP Flows (mgd)  
2005 Monthly Averages**

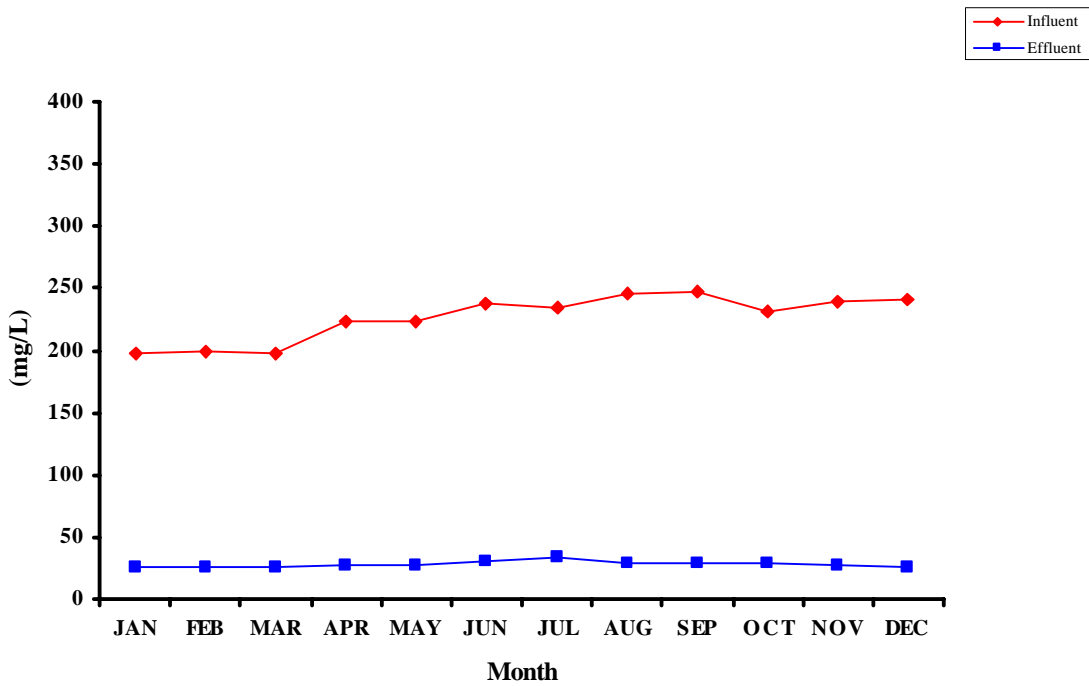




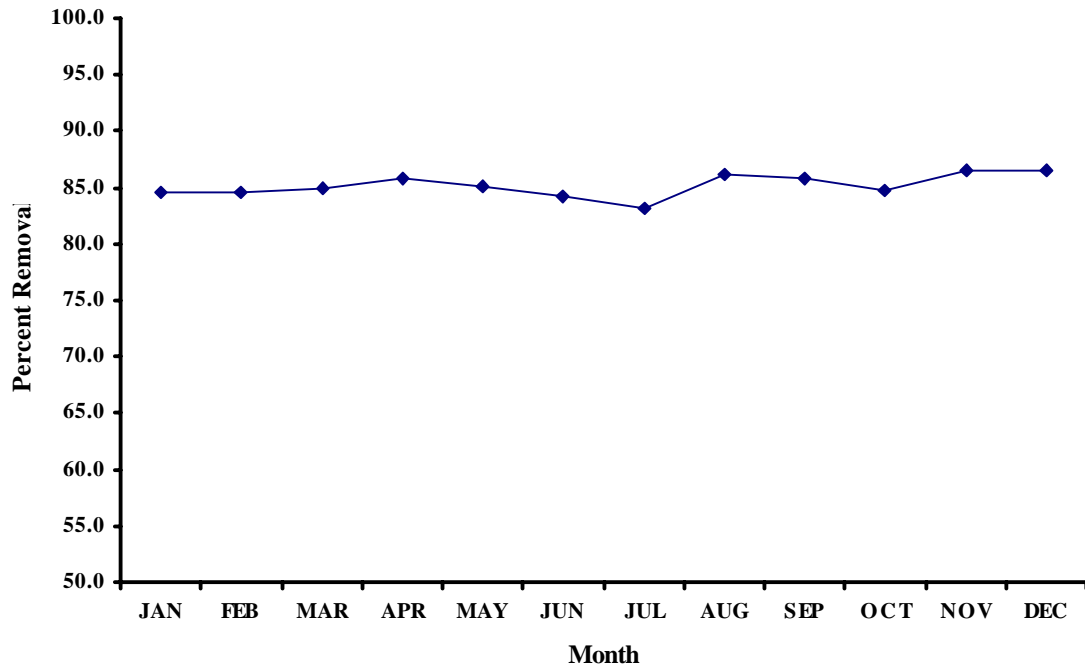
**Total Suspended Solids (mg/L)  
2005 Monthly Averages**



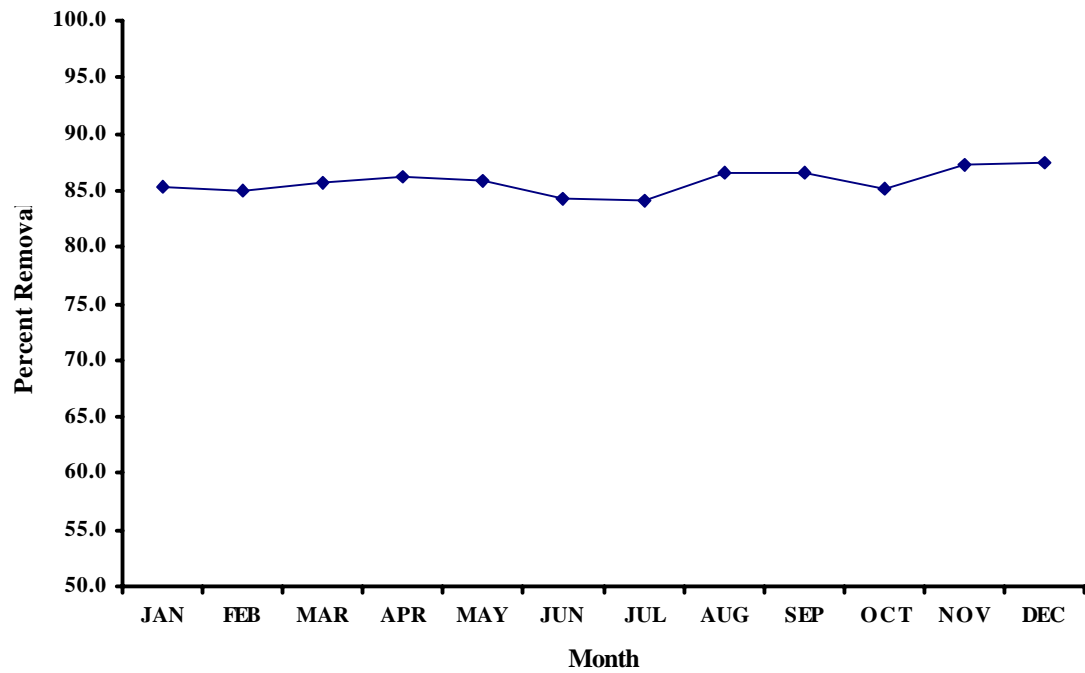
**Volatile Suspended Solids (mg/L)  
2005 Monthly Averages**



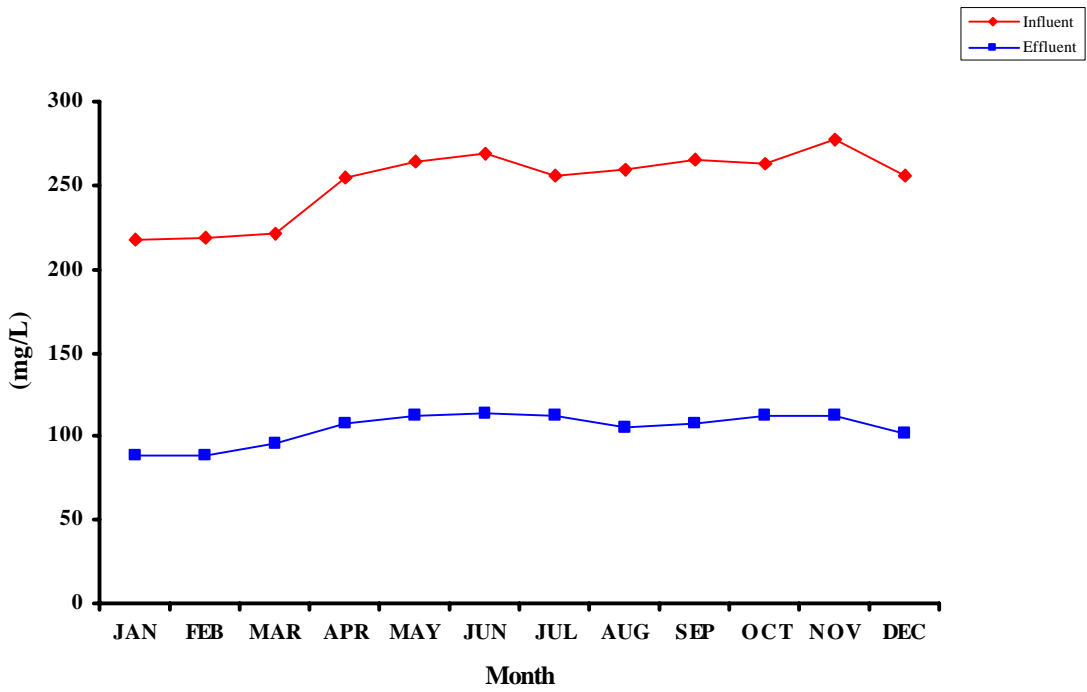
**Total Suspended Solids (%) Removal  
2005 Monthly Averages at Point Loma**



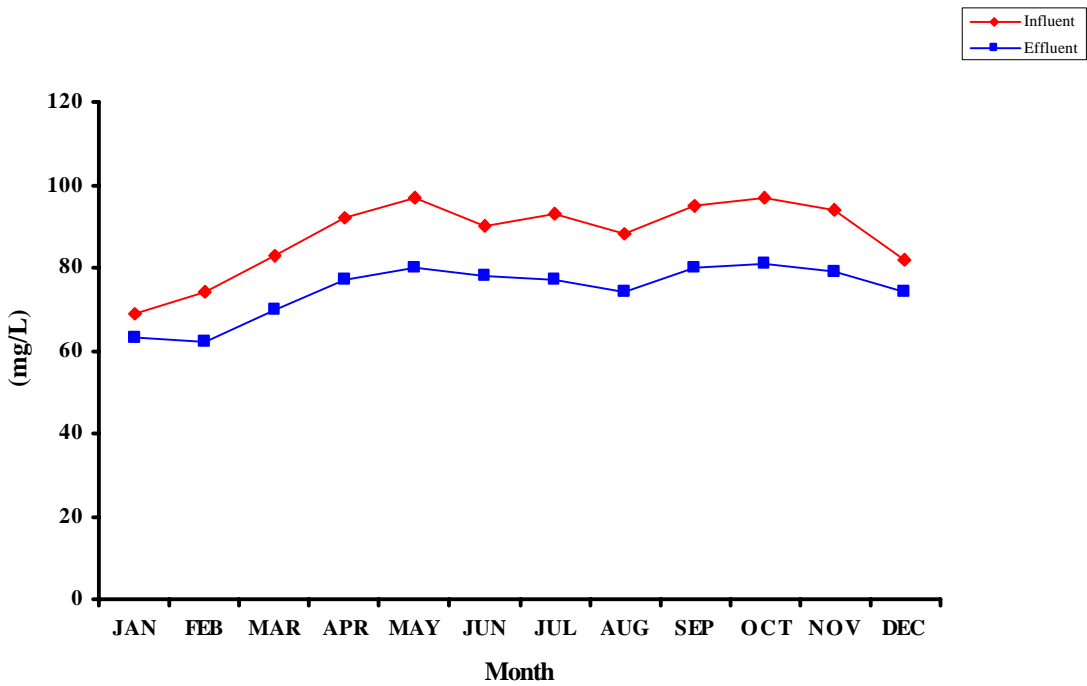
**Total Suspended Solids (%) Removal  
2005 Monthly Averages Systemwide**



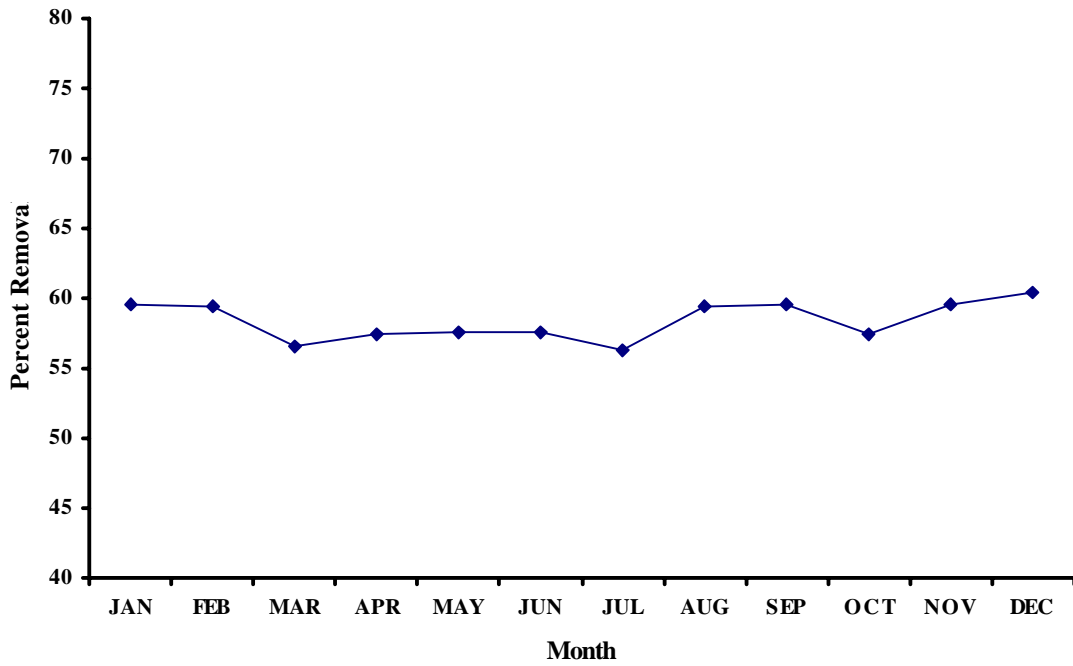
### Biochemical Oxygen Demand 2005 Monthly Averages



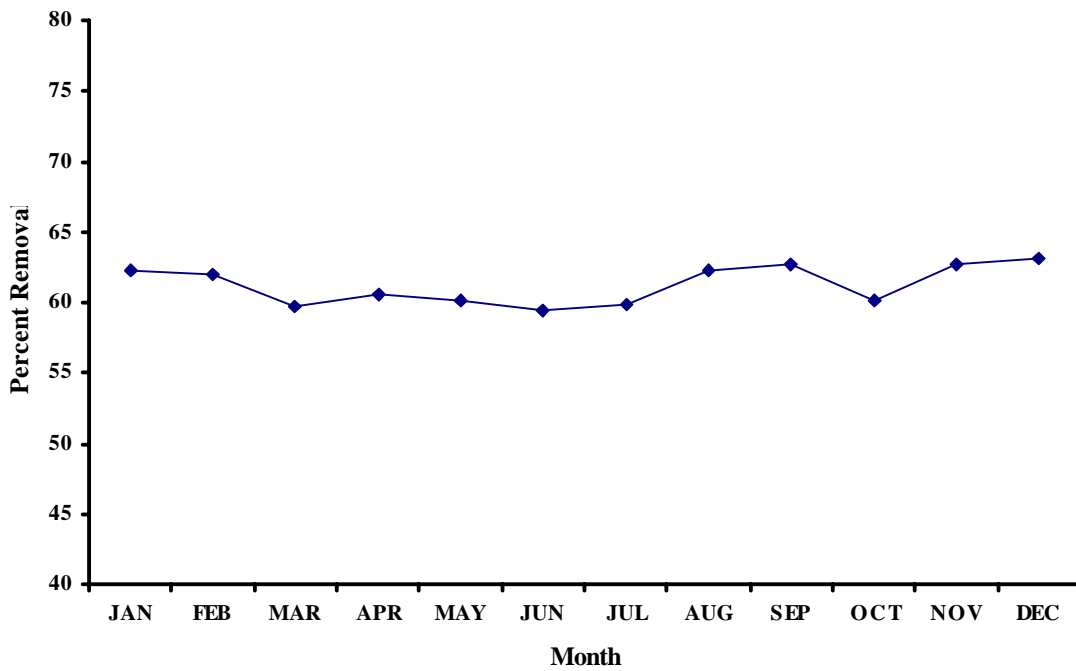
### Soluble Biochemical Oxygen Demand 2005 Monthly Averages



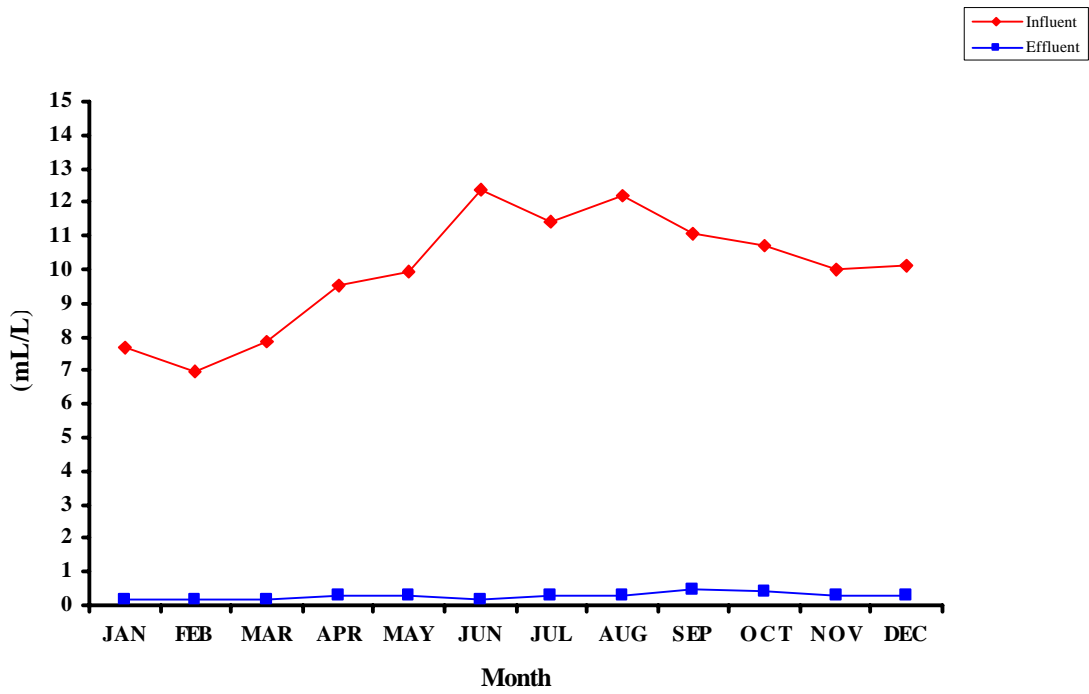
**Biochemical Oxygen Demand (%) Removal  
2005 Monthly Averages at Point Loma**



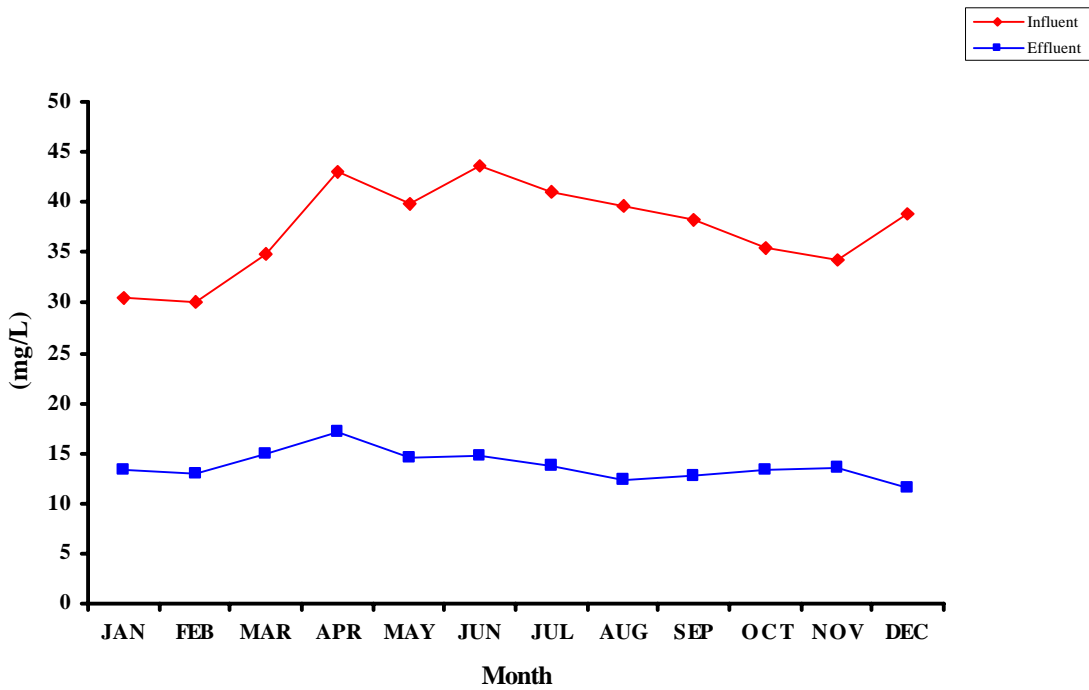
**Biochemical Oxygen Demand (%) Removal  
2005 Monthly Averages Systemwide**



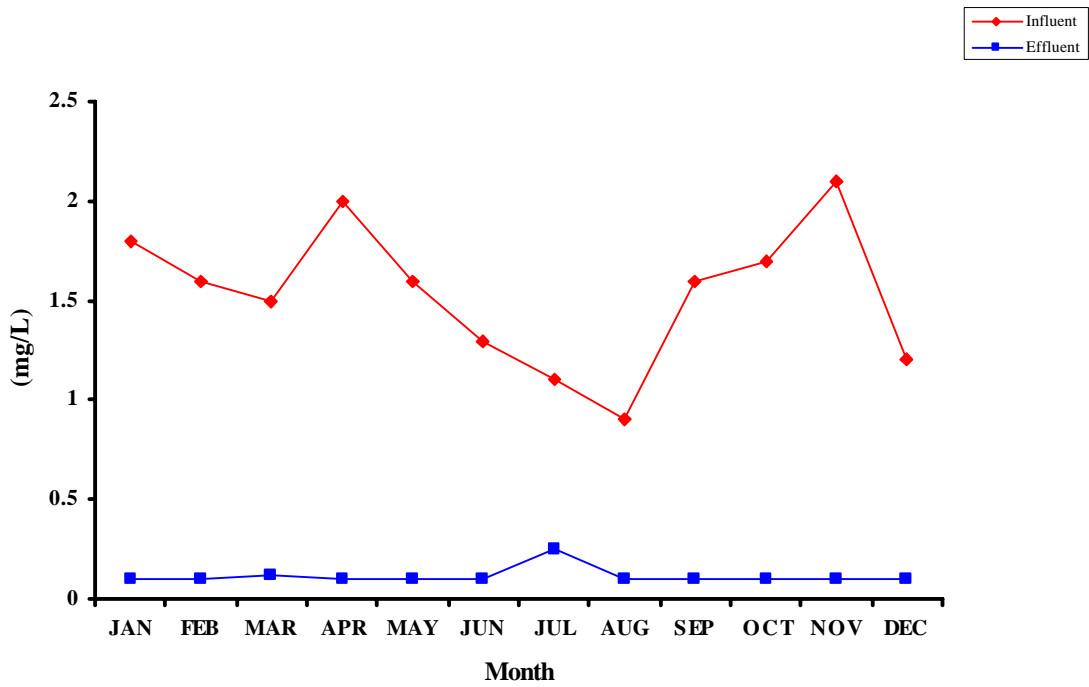
### Settleable Solids (mL/L) 2005 Monthly Averages



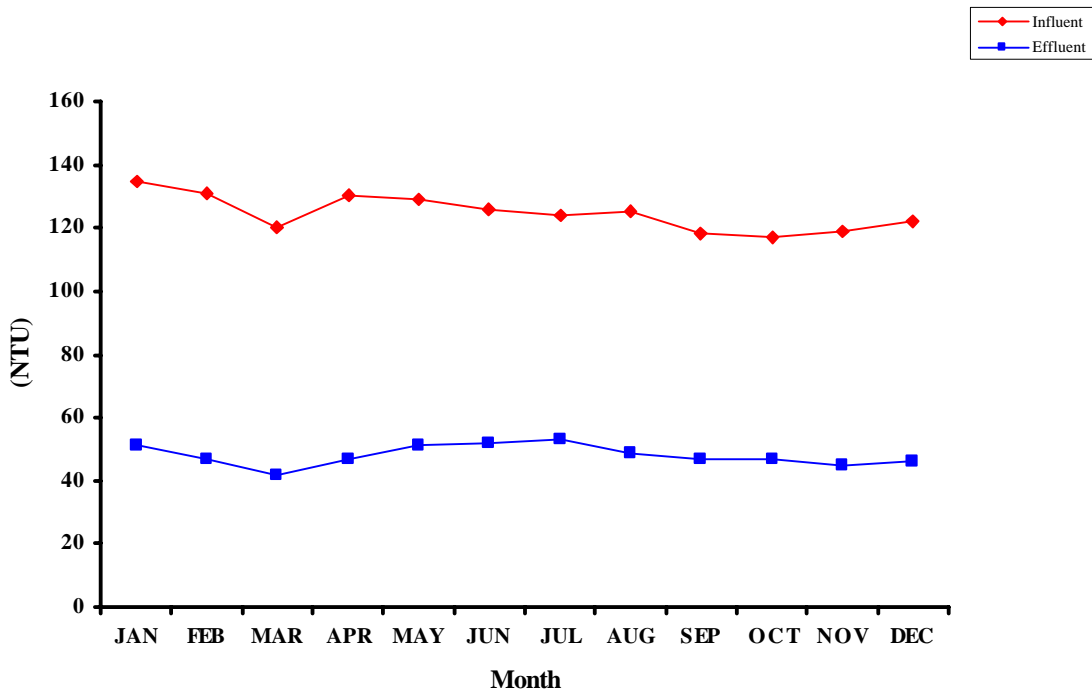
### Hexane Extractable Material (mg/L) 2005 Monthly Averages



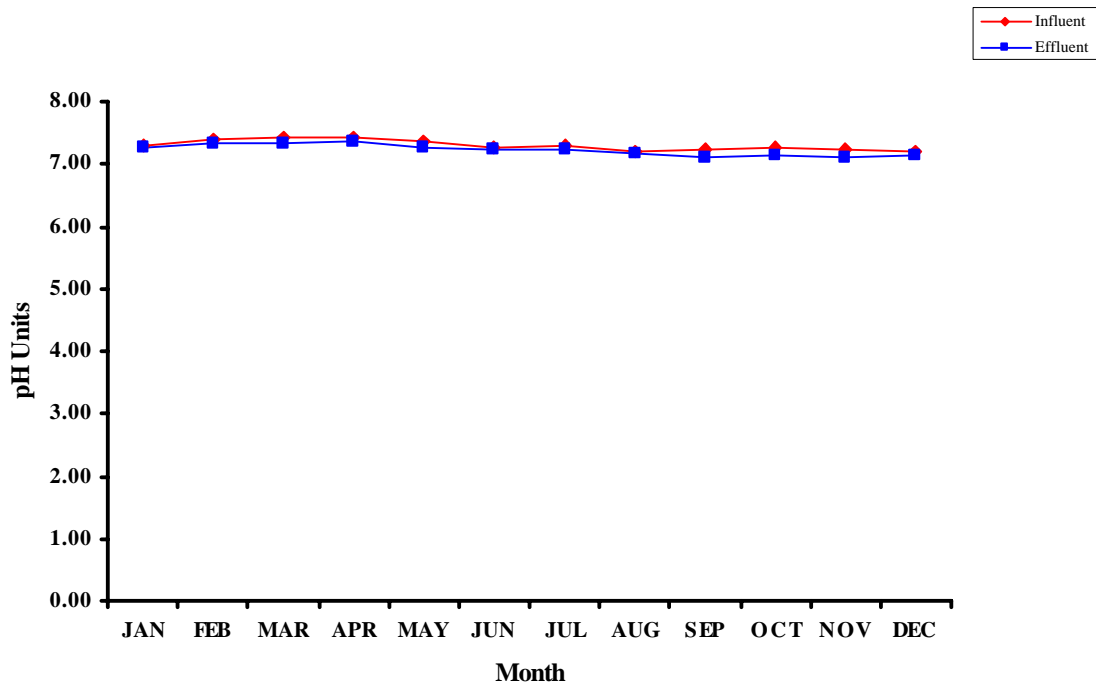
### Floatables (mg/L) 2005 Monthly Averages



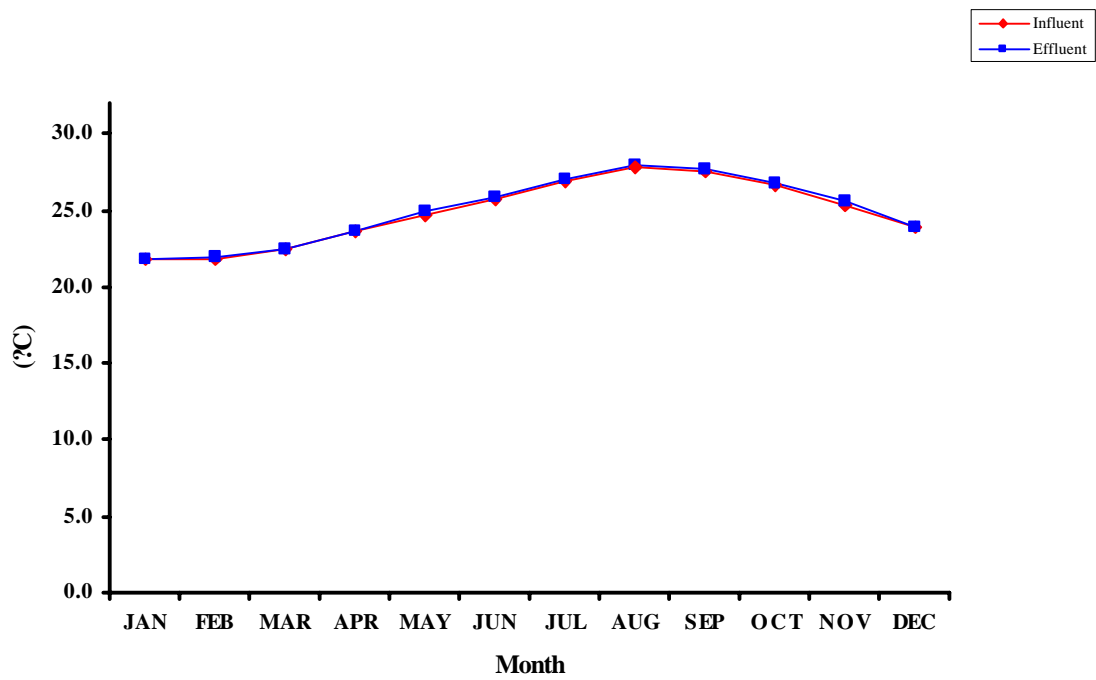
### Turbidity (NTU) 2005 Monthly Averages



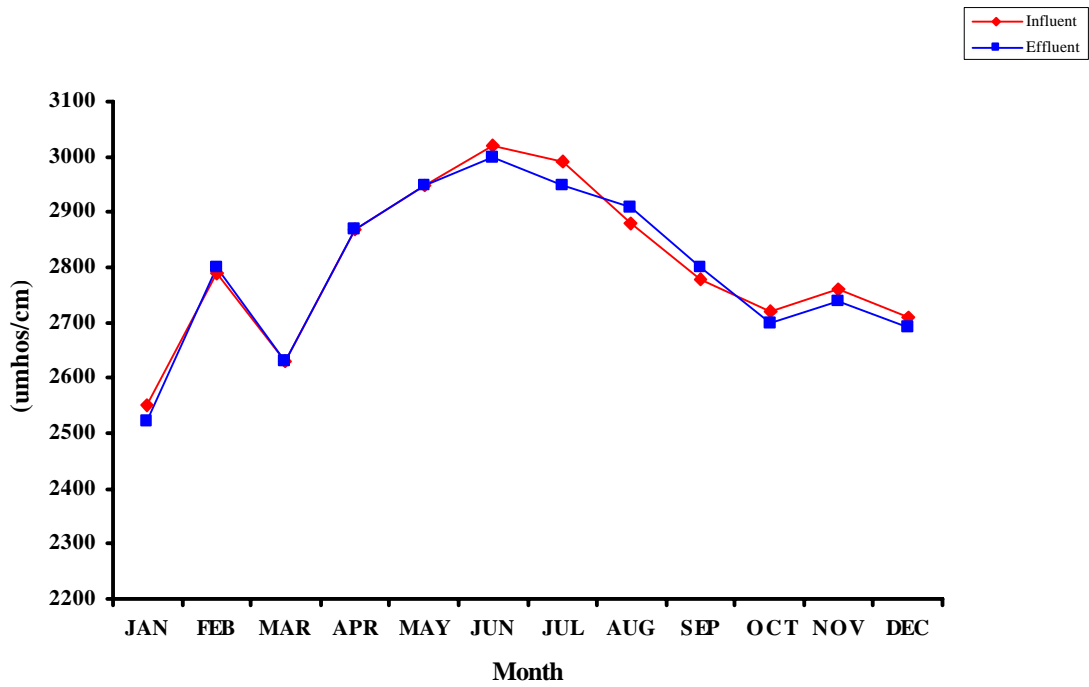
### pH 2005 Monthly Averages



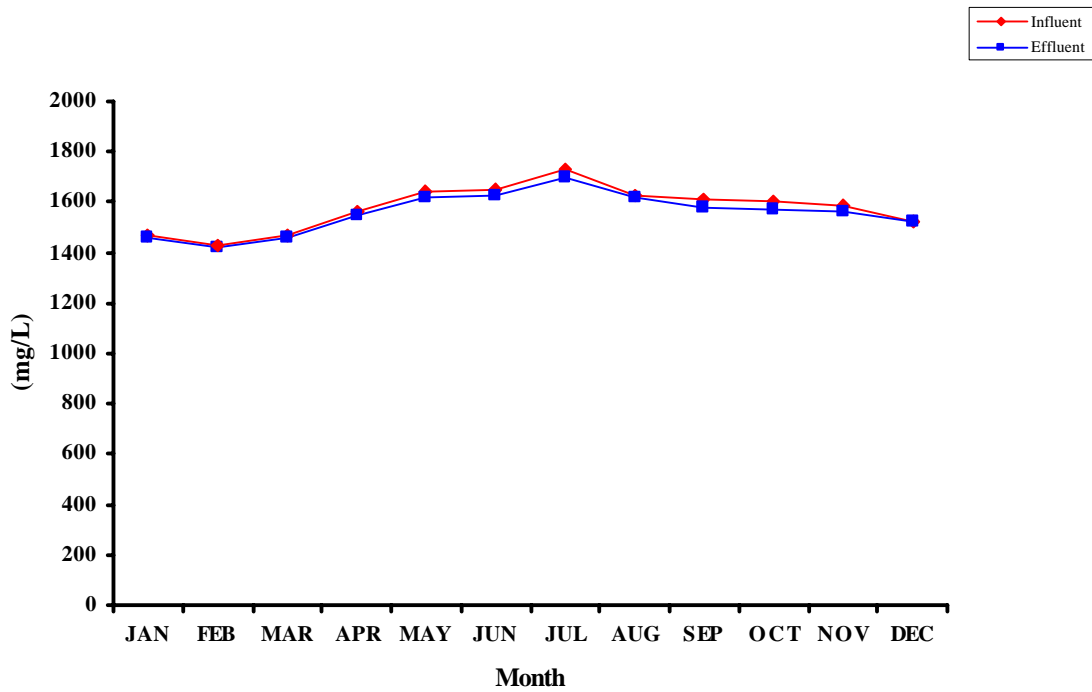
### Temperature (°C) 2005 Monthly Averages



### Conductivity (umhos/cm) 2005 Monthly Averages

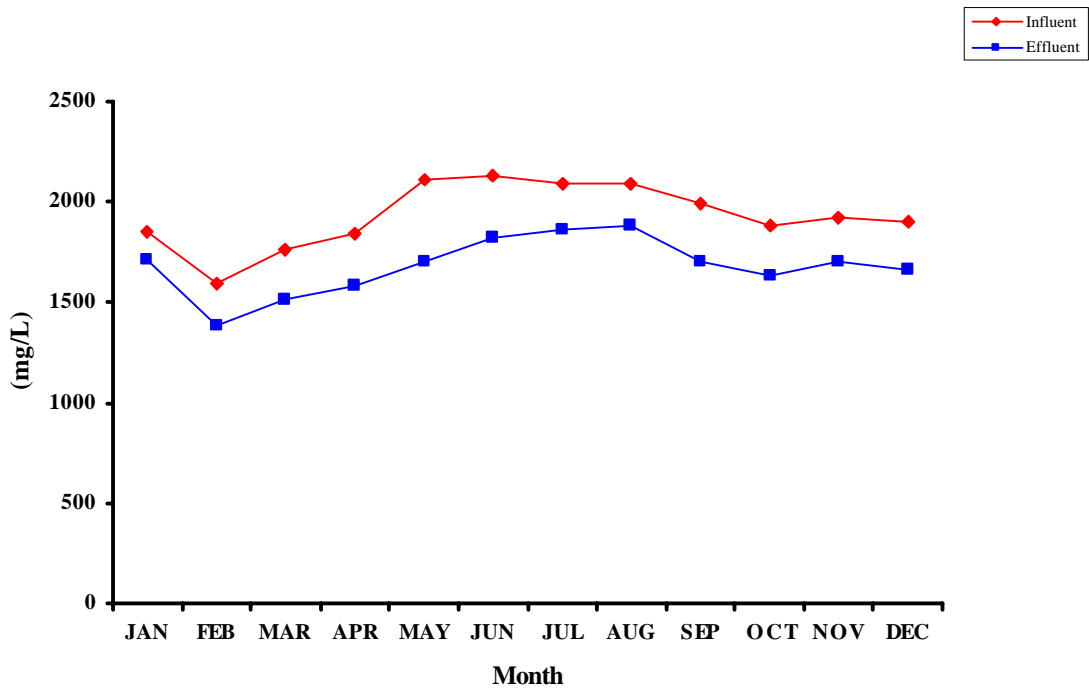


### Total Dissolved Solids (mg/L) 2005 Monthly Averages

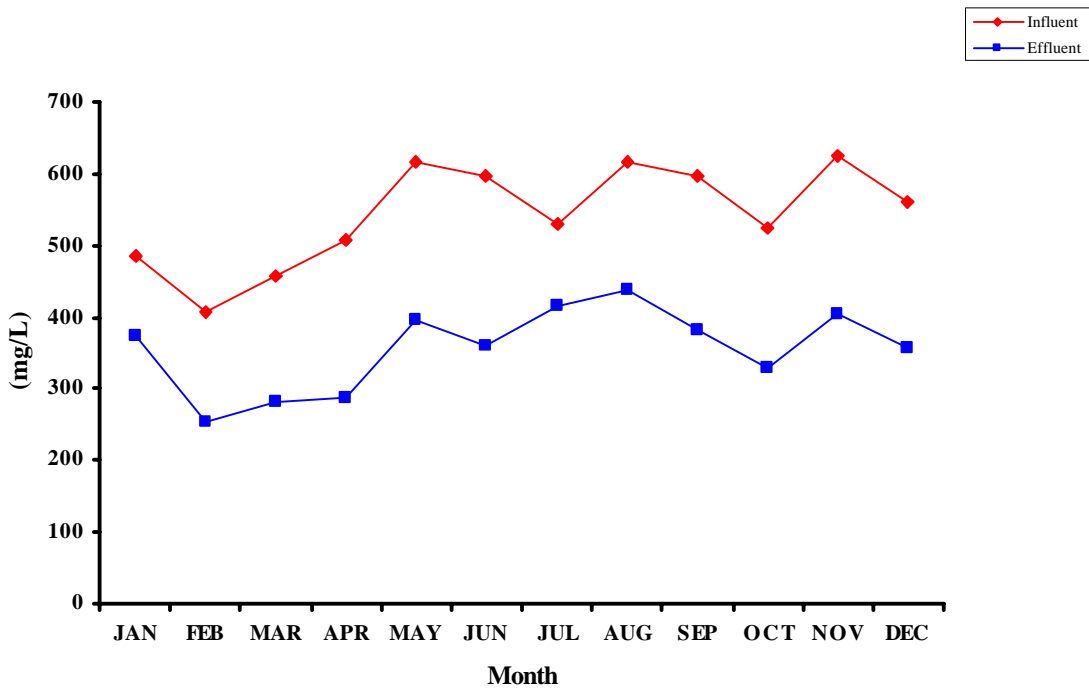




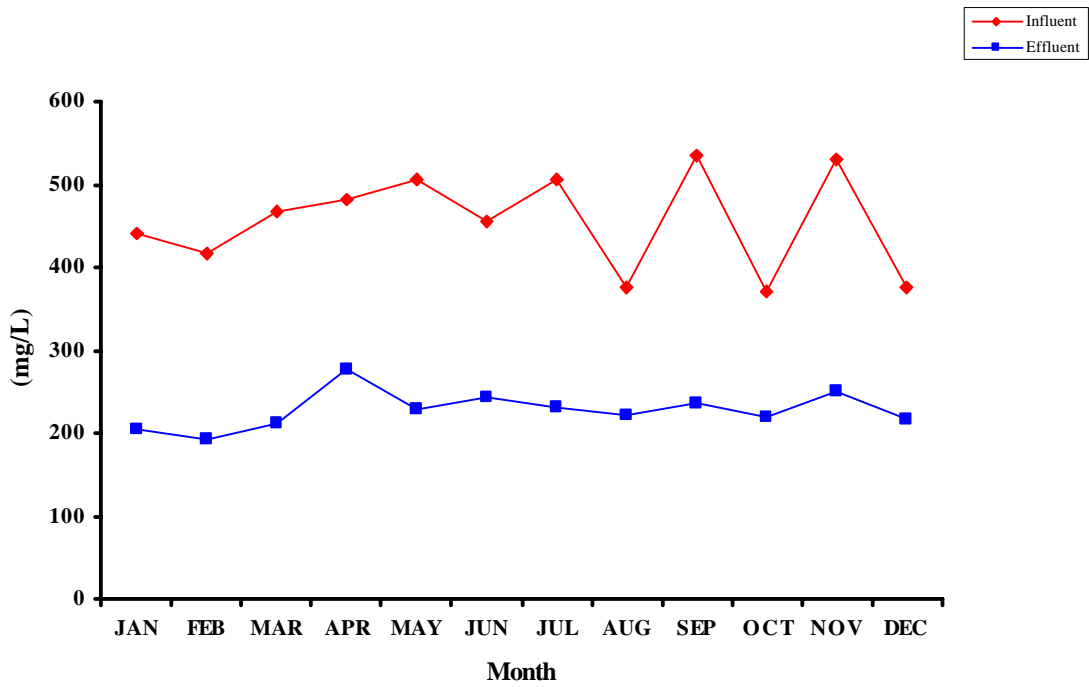
**Total Solids (mg/L)  
2005 Monthly Averages**



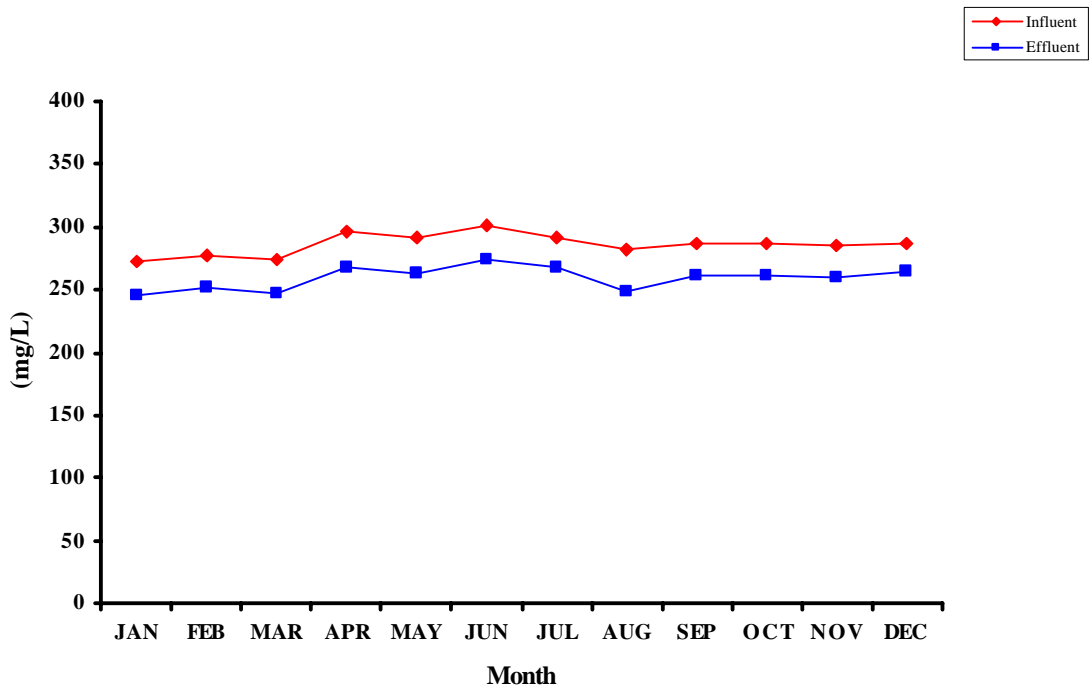
**Total Volatile Solids (mg/L)  
2005 Monthly Averages**



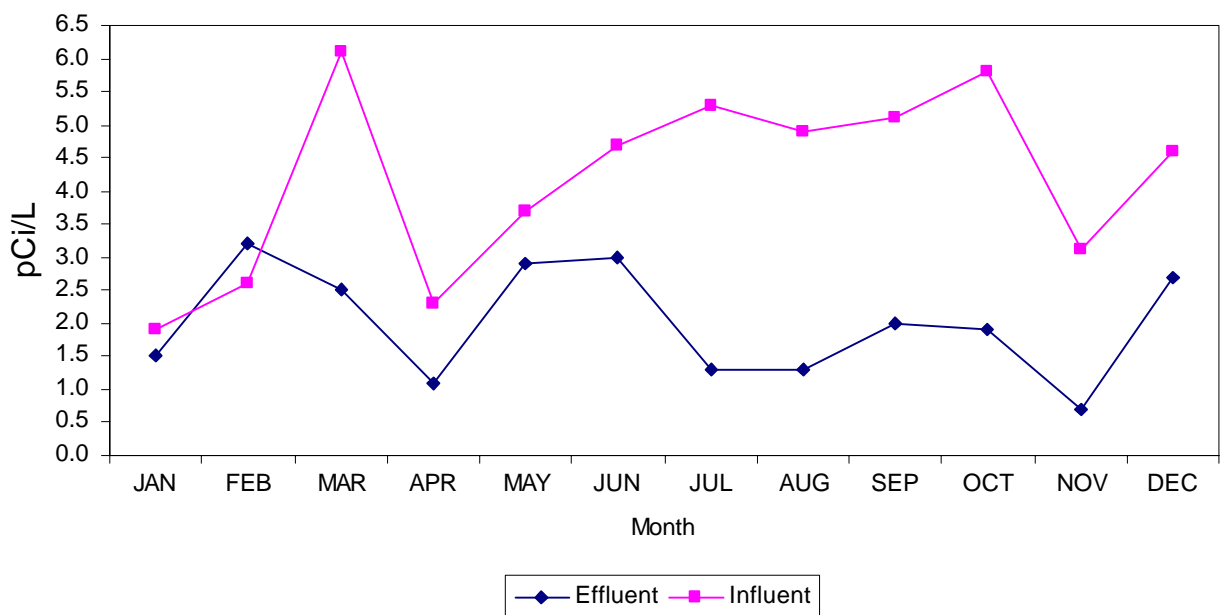
### Chemical Oxygen Demand (mg/L) 2005 Monthly Averages



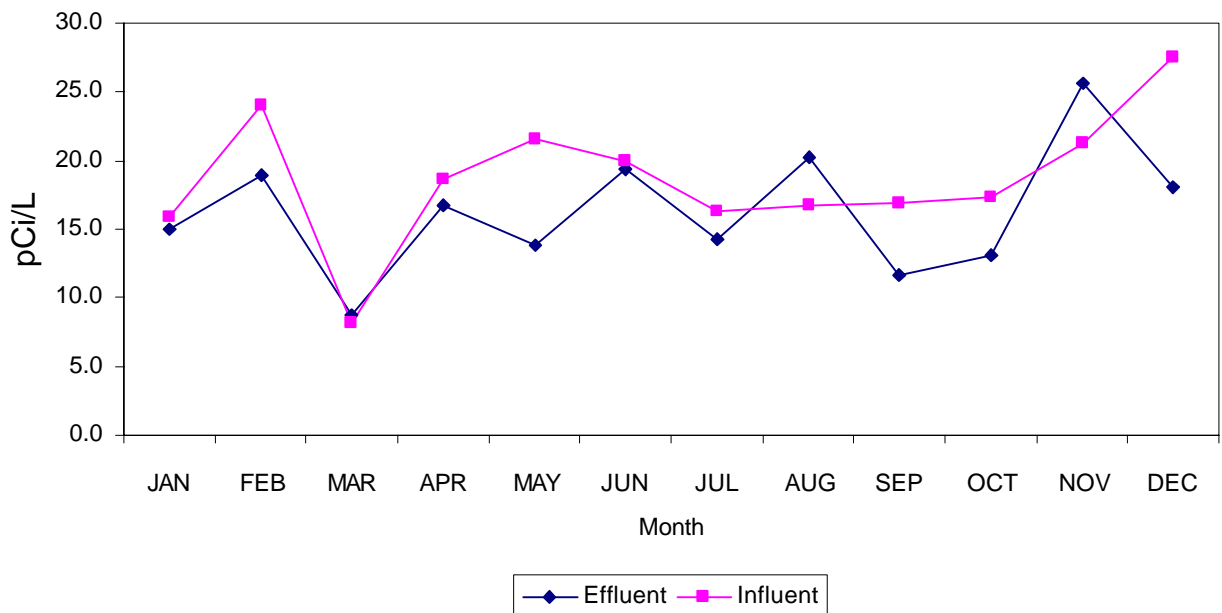
### Alkalinity (mg/L) 2005 Monthly Averages



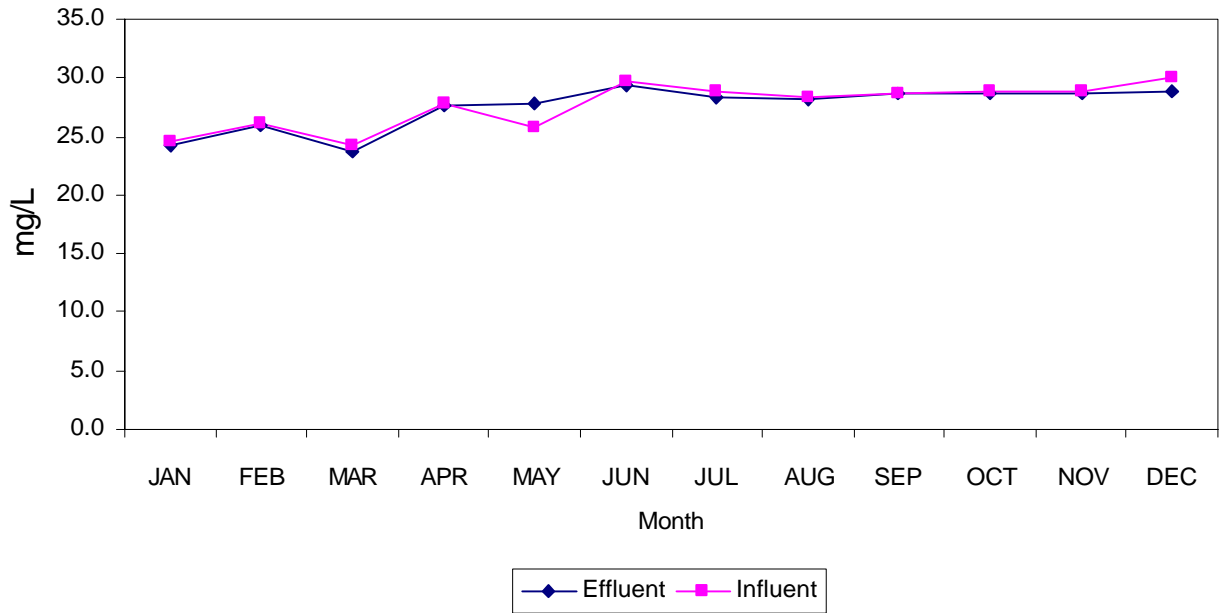
**Point Loma Wastewater Treatment Plant  
2005 Monthly Averages - Alpha Radiation**



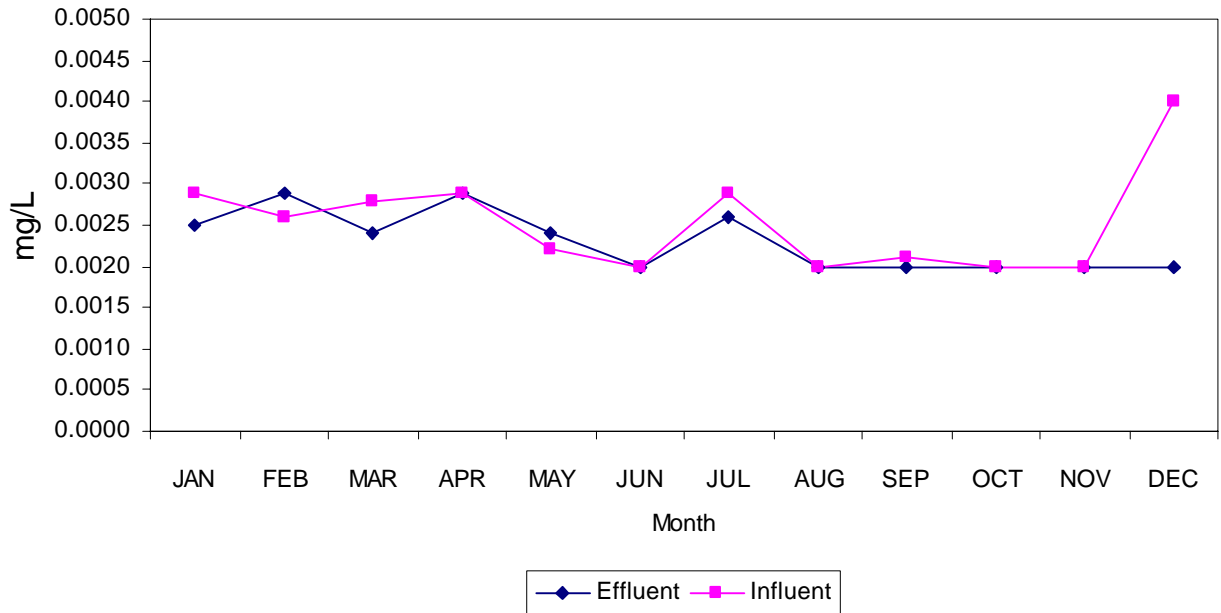
**Point Loma Wastewater Treatment Plant  
2005 Monthly Averages - Beta Radiation**



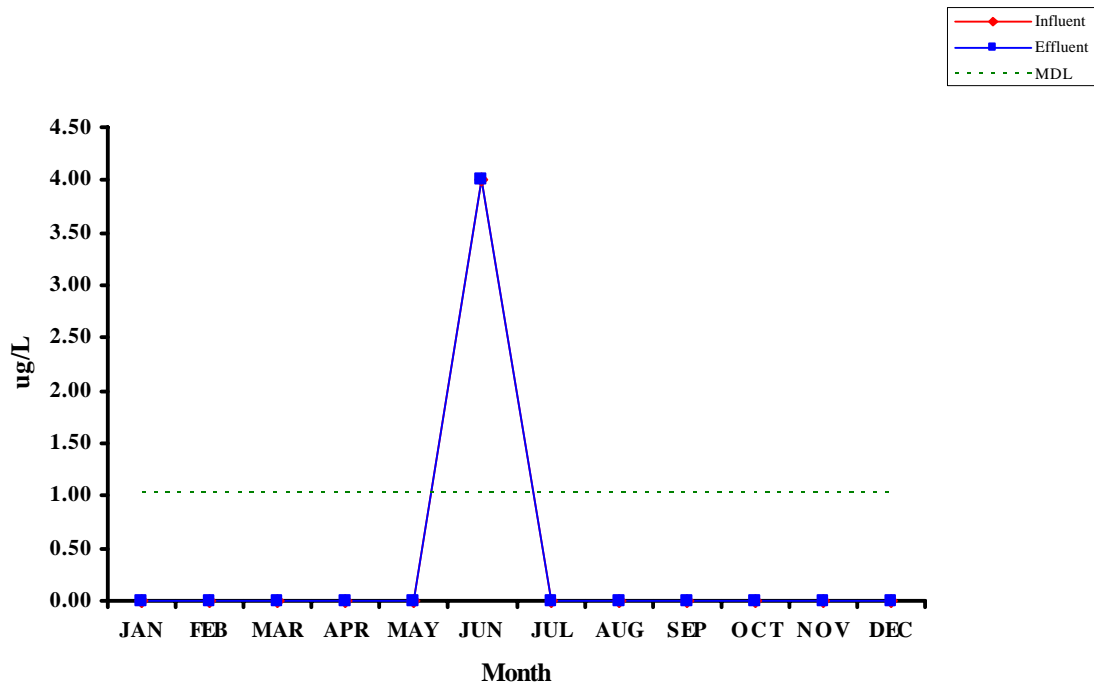
**Point Loma Wastewater Treatment Plant  
2005 Monthly Averages - Ammonia-N**



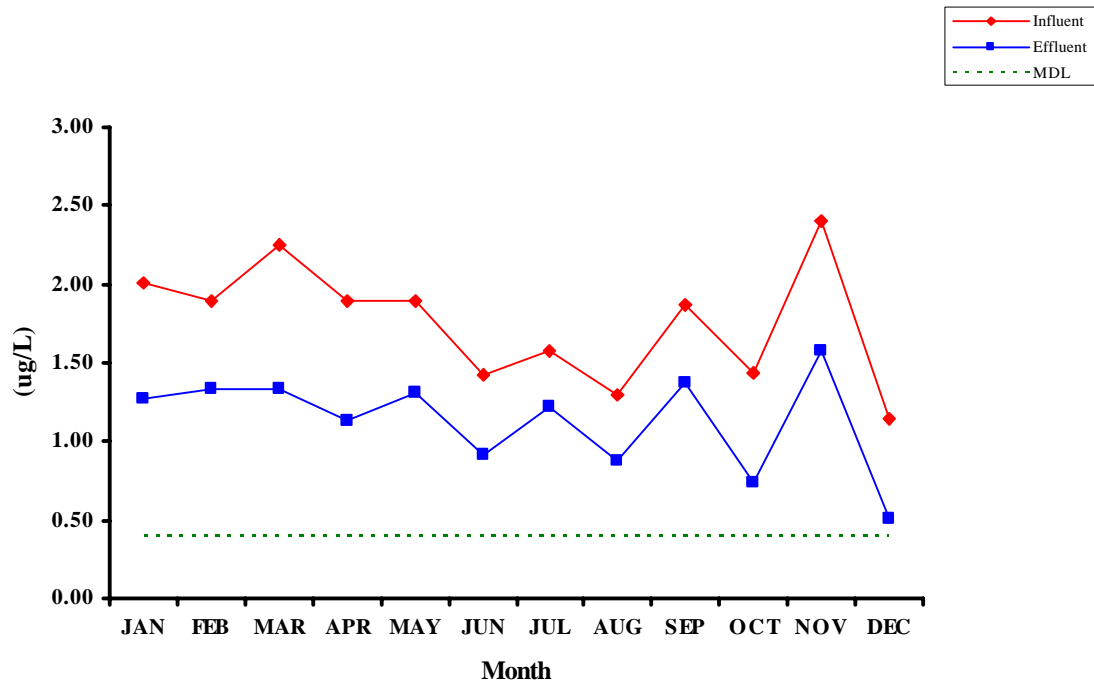
**Point Loma Wastewater Treatment Plant  
2005 Monthly Averages - Total Cyanides**



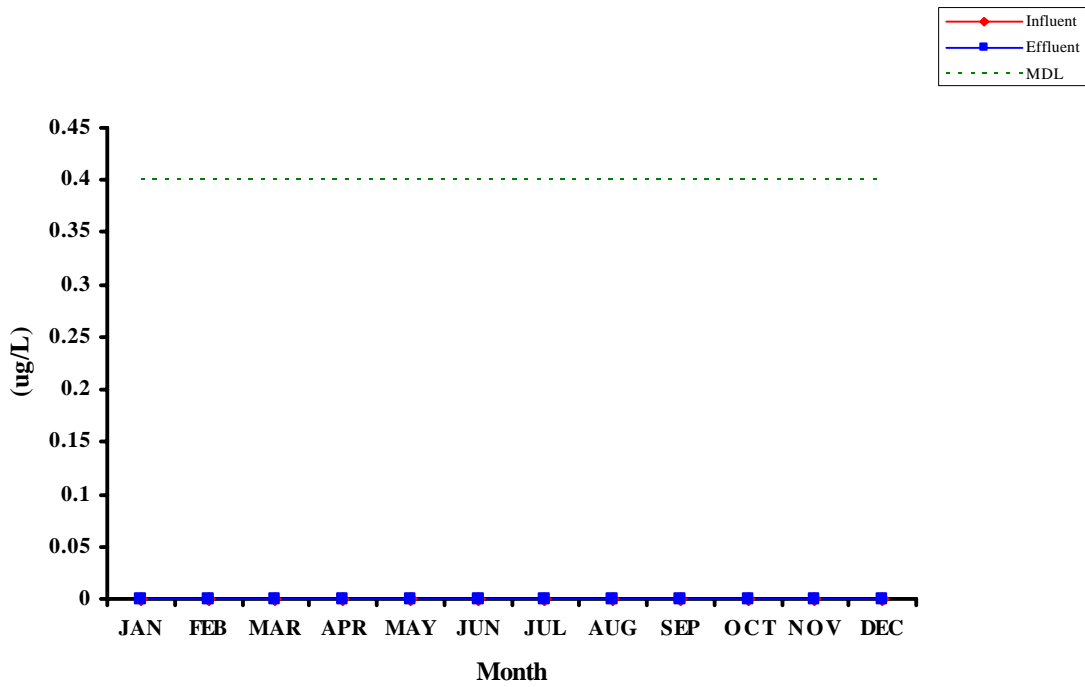
### Antimony 2005 Monthly Averages



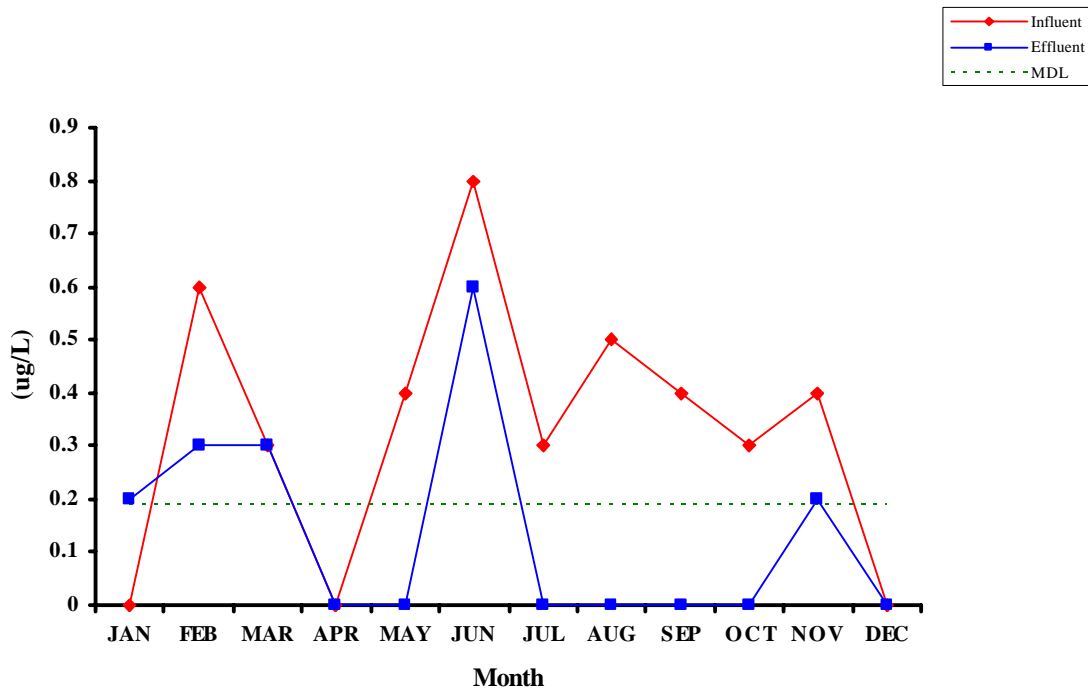
### Arsenic 2005 Monthly Averages



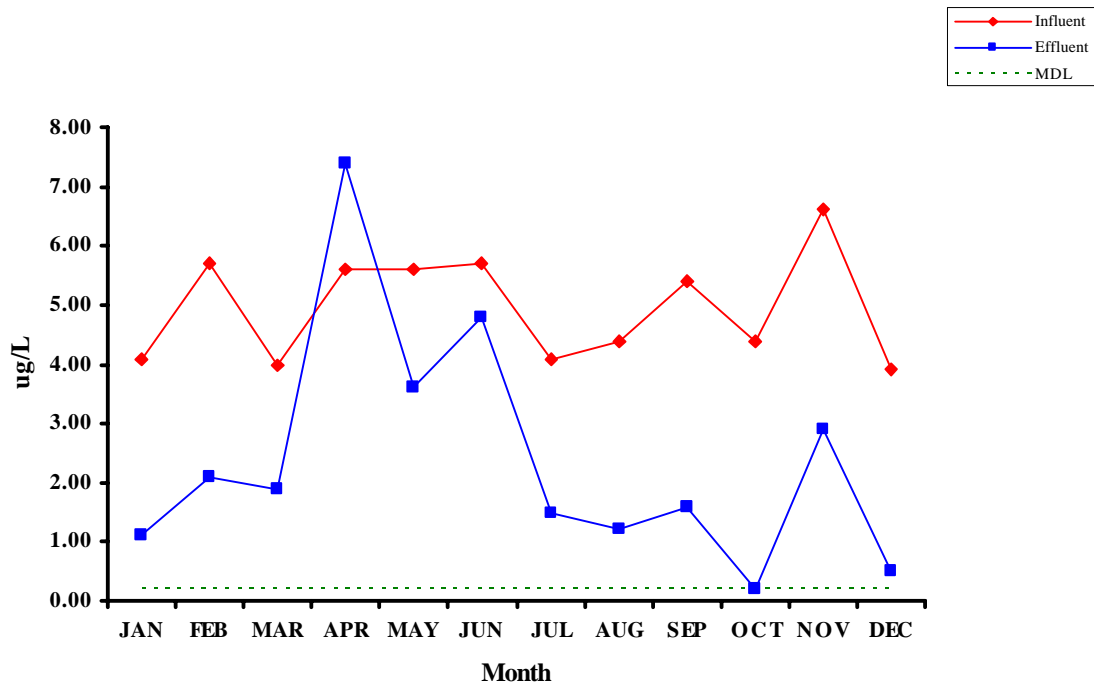
## Beryllium 2005 Monthly Averages



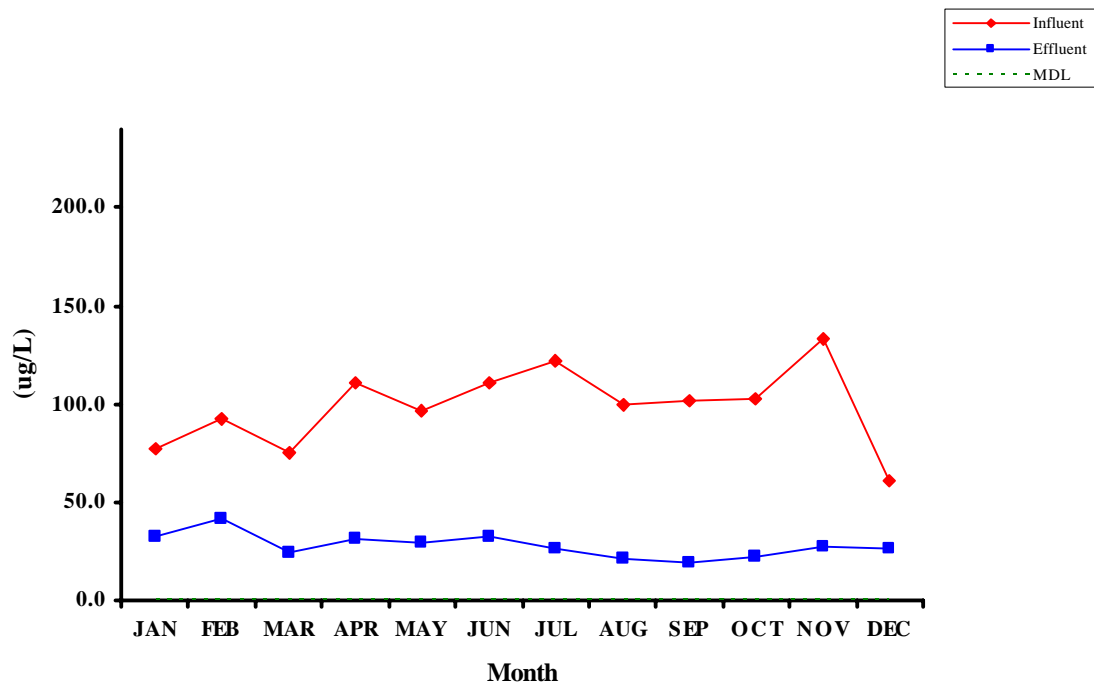
## Cadmium 2005 Monthly Averages



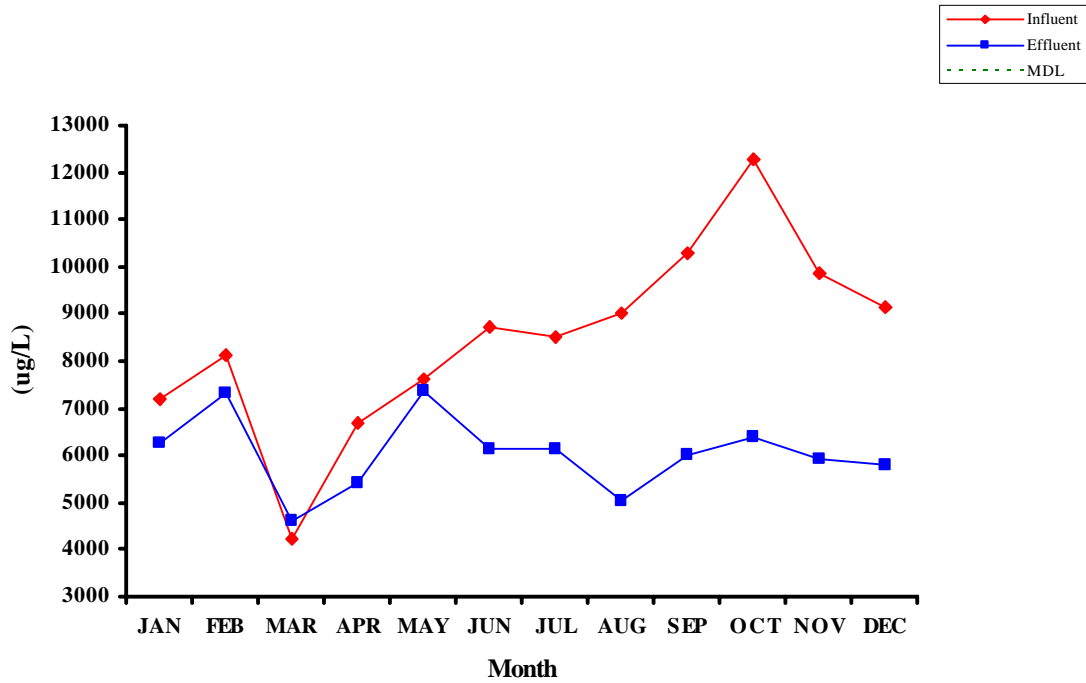
### Chromium 2005 Monthly Averages



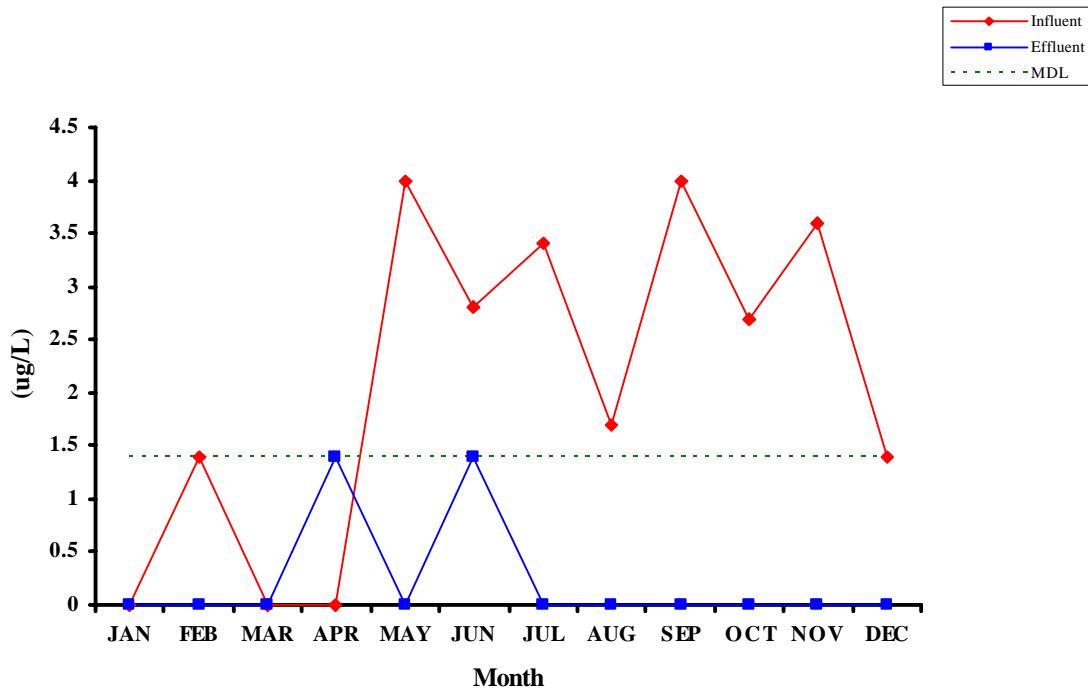
### Copper 2005 Monthly Averages



## Iron 2005 Monthly Averages

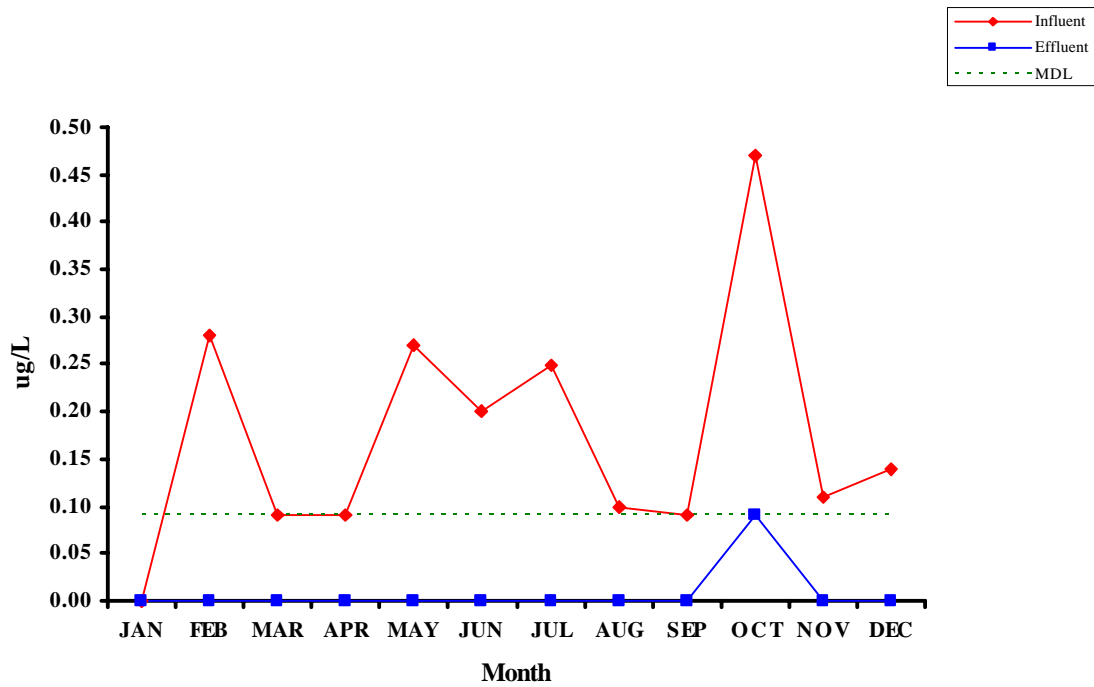


## Lead 2005 Monthly Averages

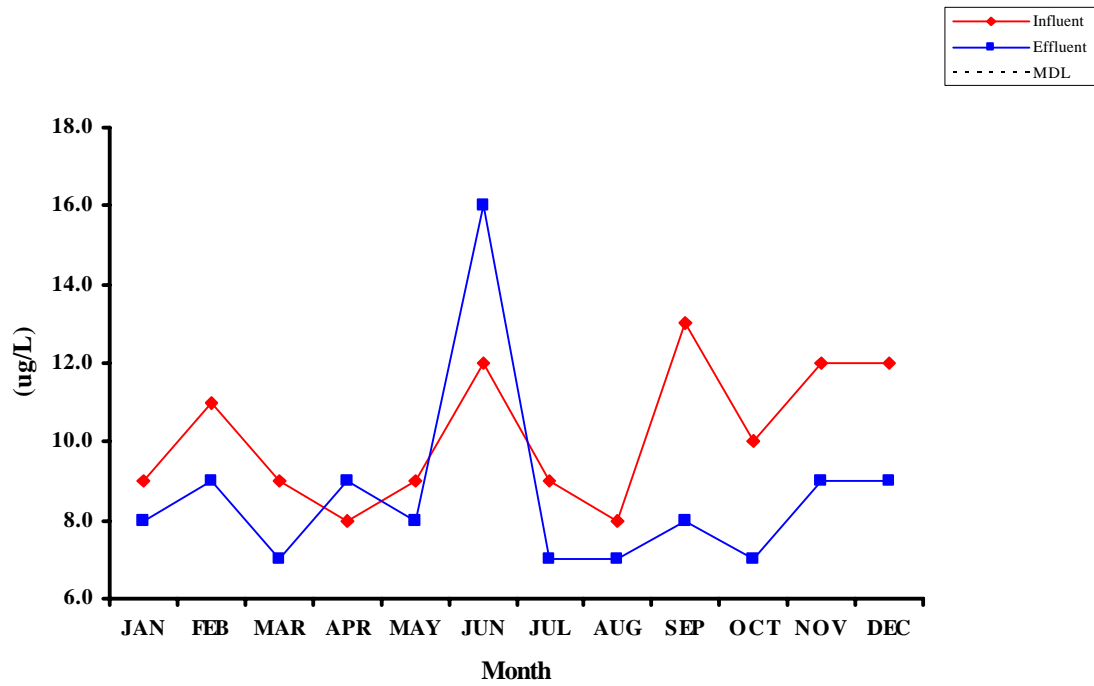




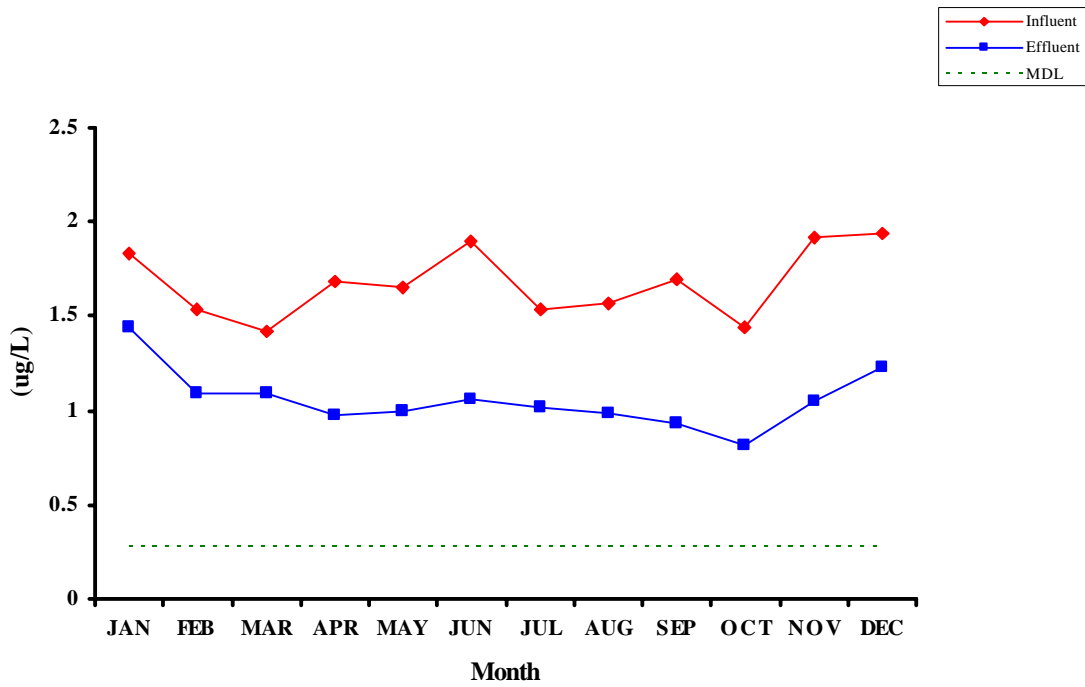
## Mercury 2005 Monthly Averages



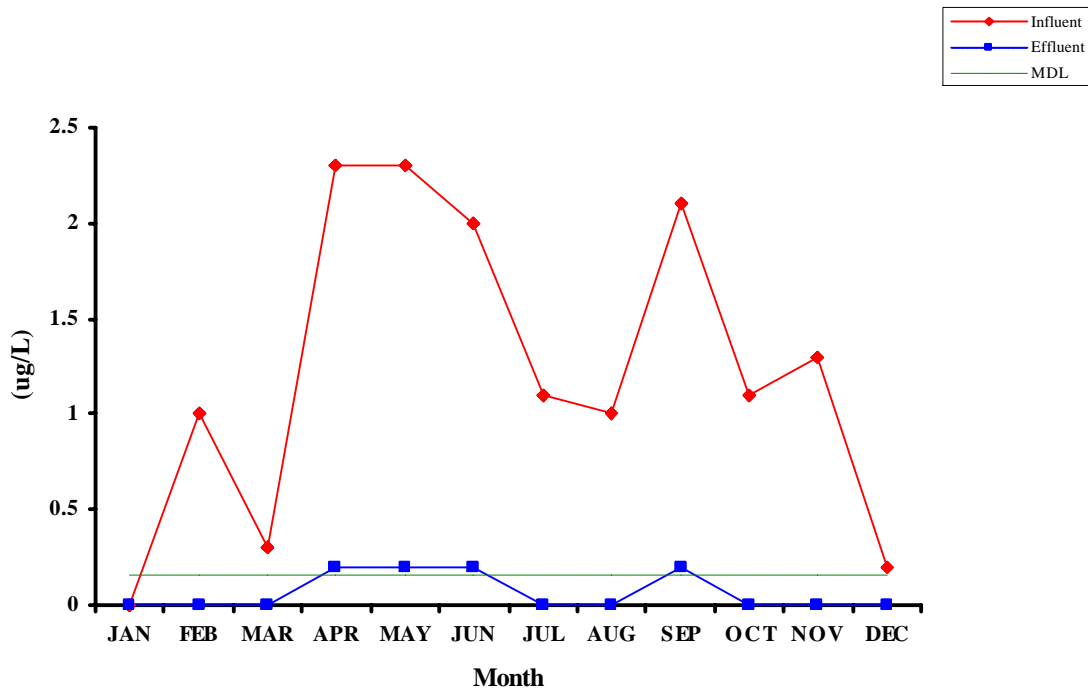
## Nickel 2005 Monthly Averages



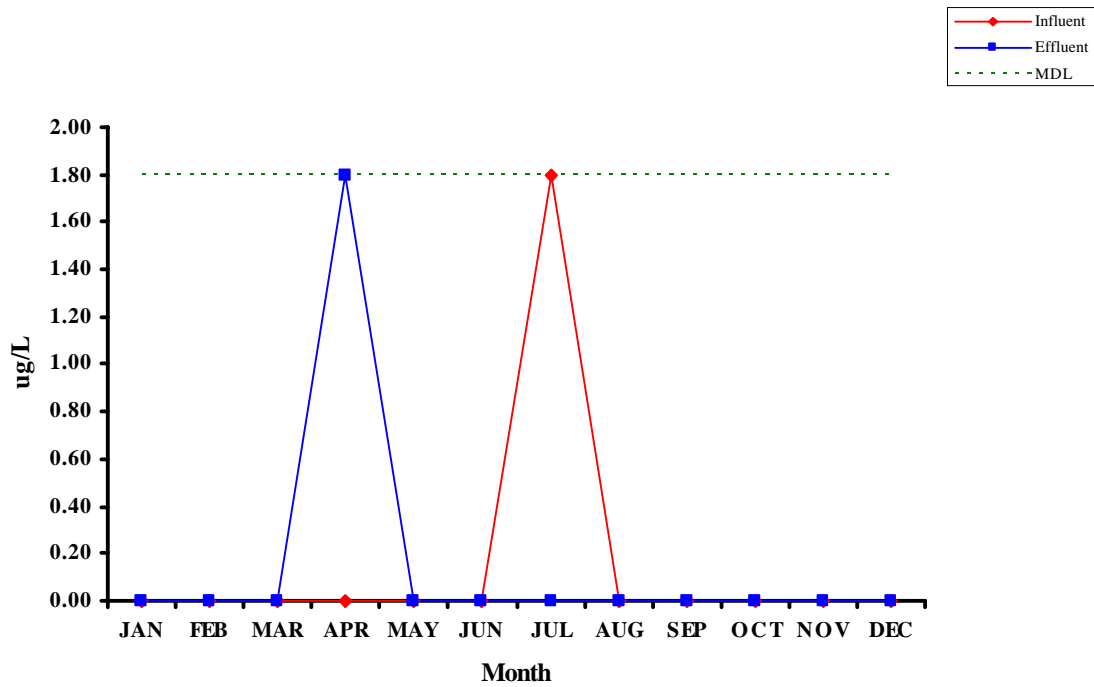
## Selenium 2005 Monthly Averages



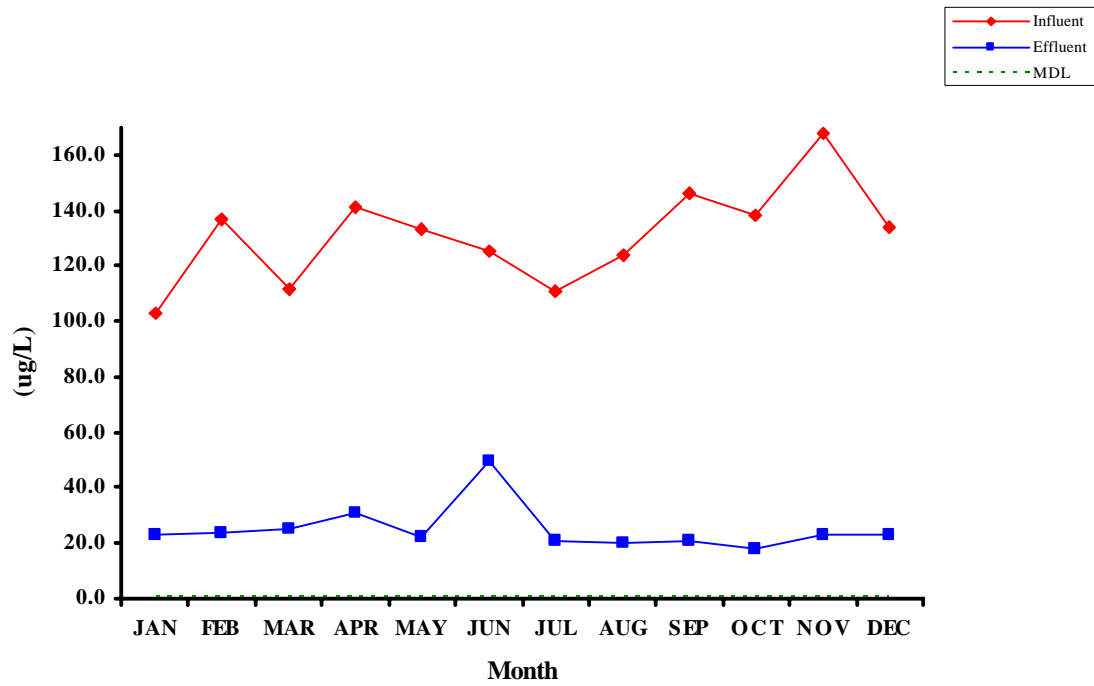
## Silver 2005 Monthly Averages



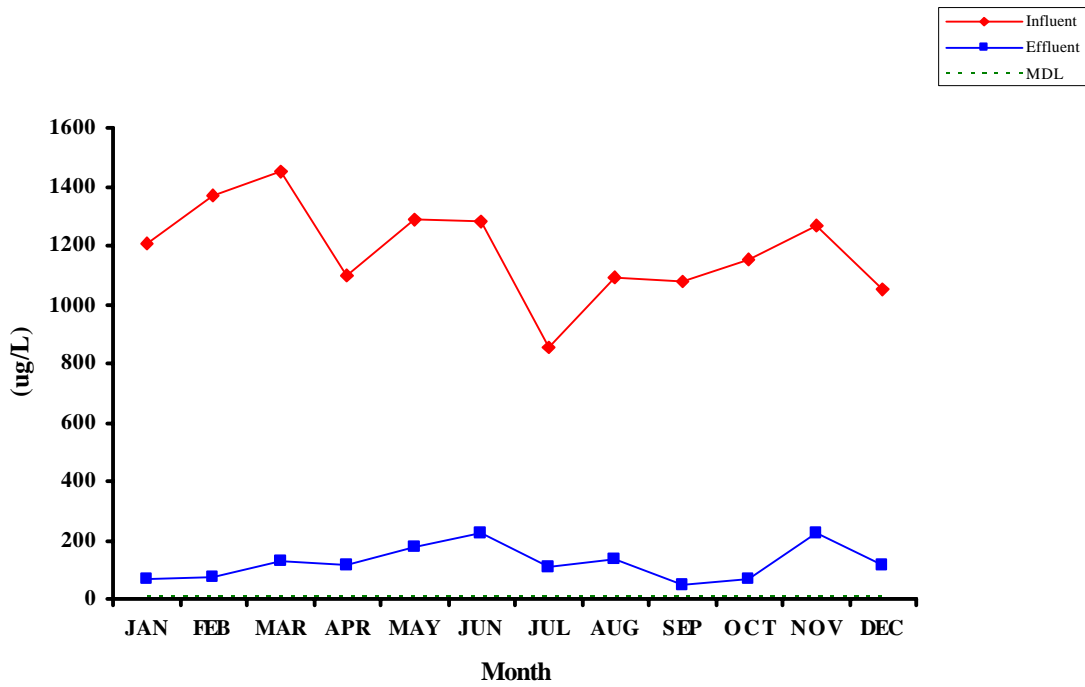
## Thallium 2005 Monthly Averages



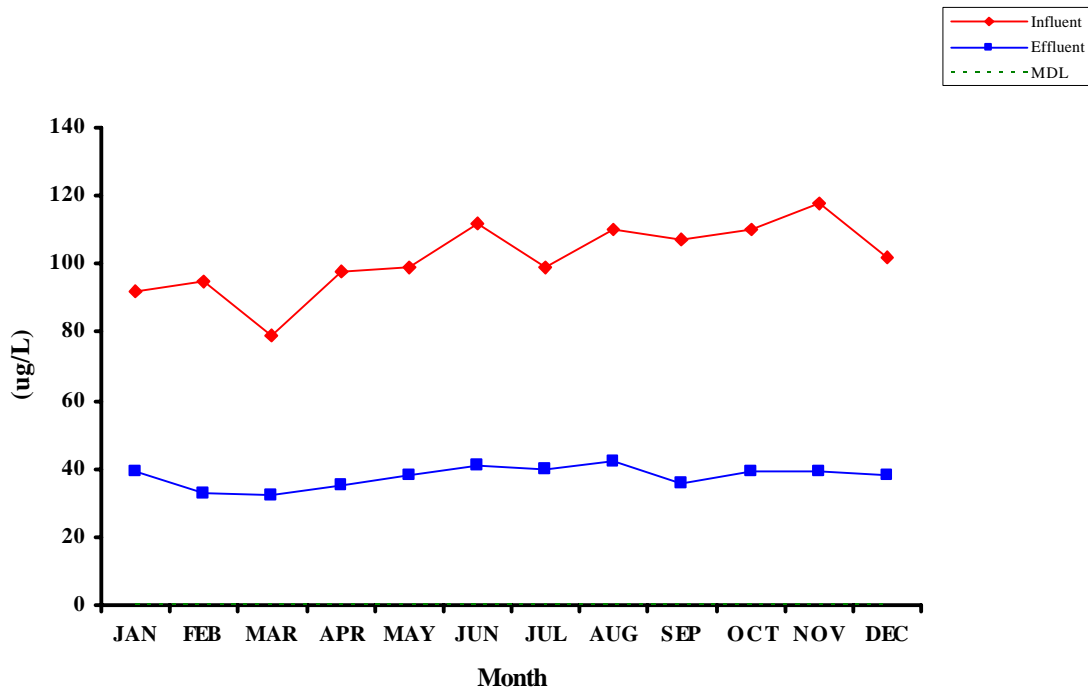
## Zinc 2005 Monthly Averages



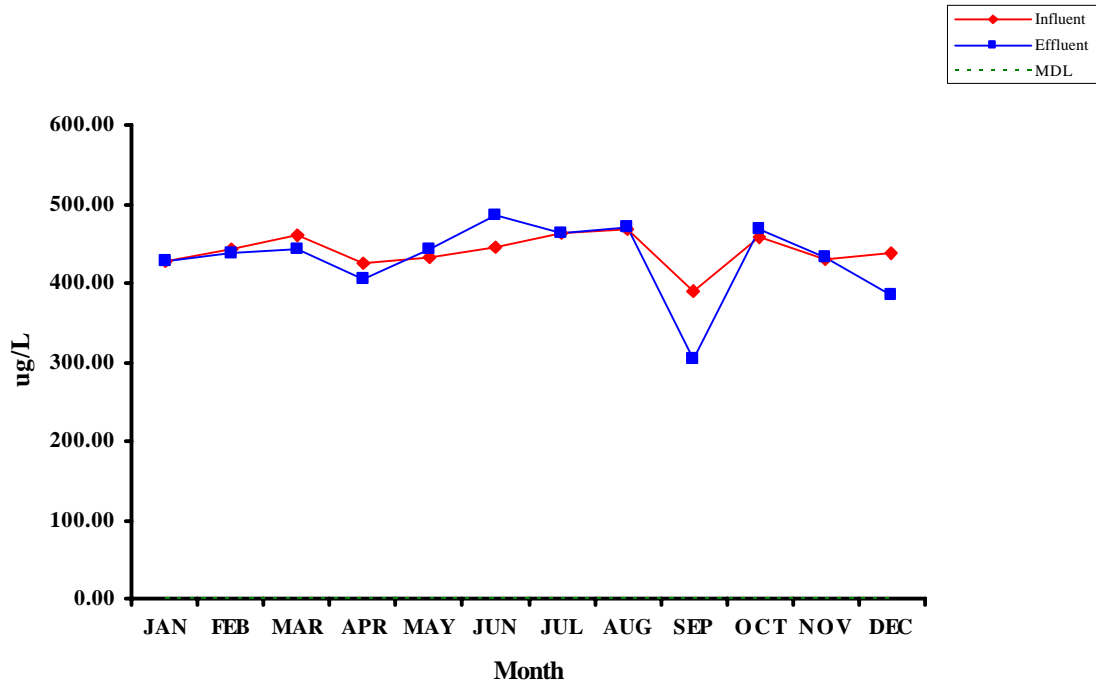
### Aluminum 2005 Monthly Averages



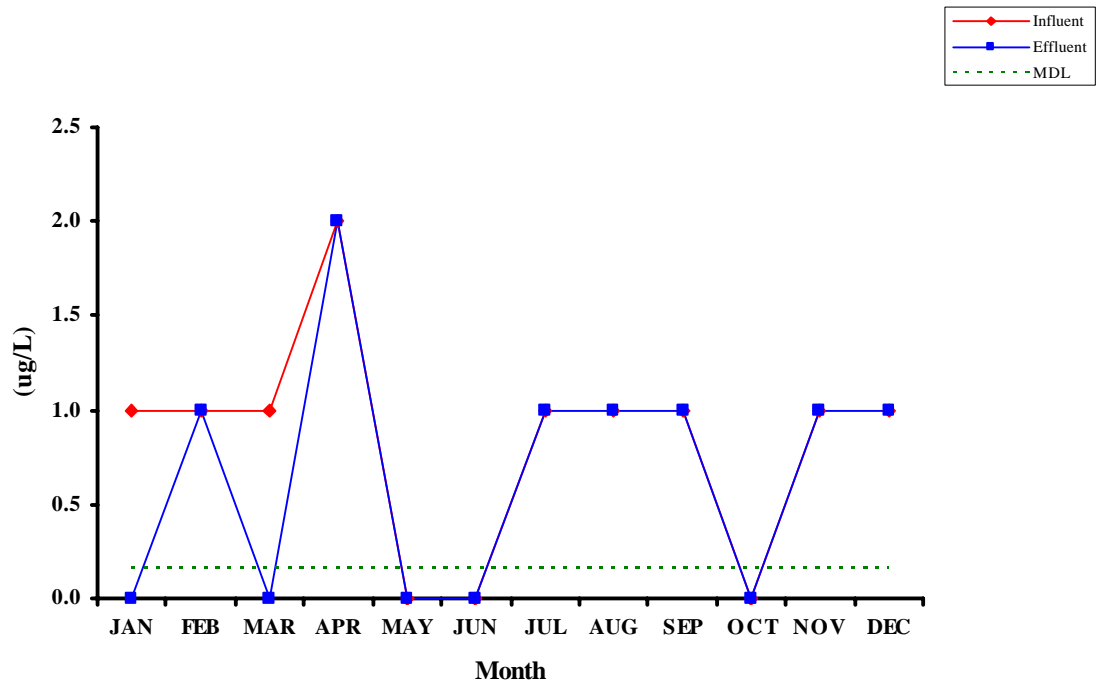
### Barium 2005 Monthly Averages



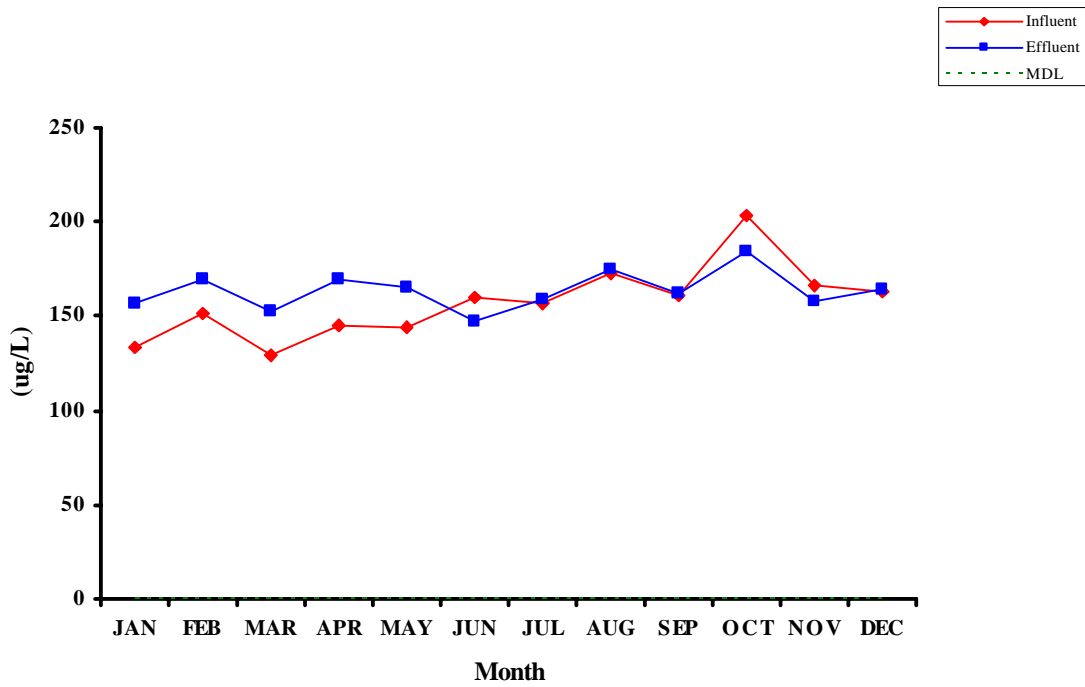
### Boron 2005 Monthly Averages



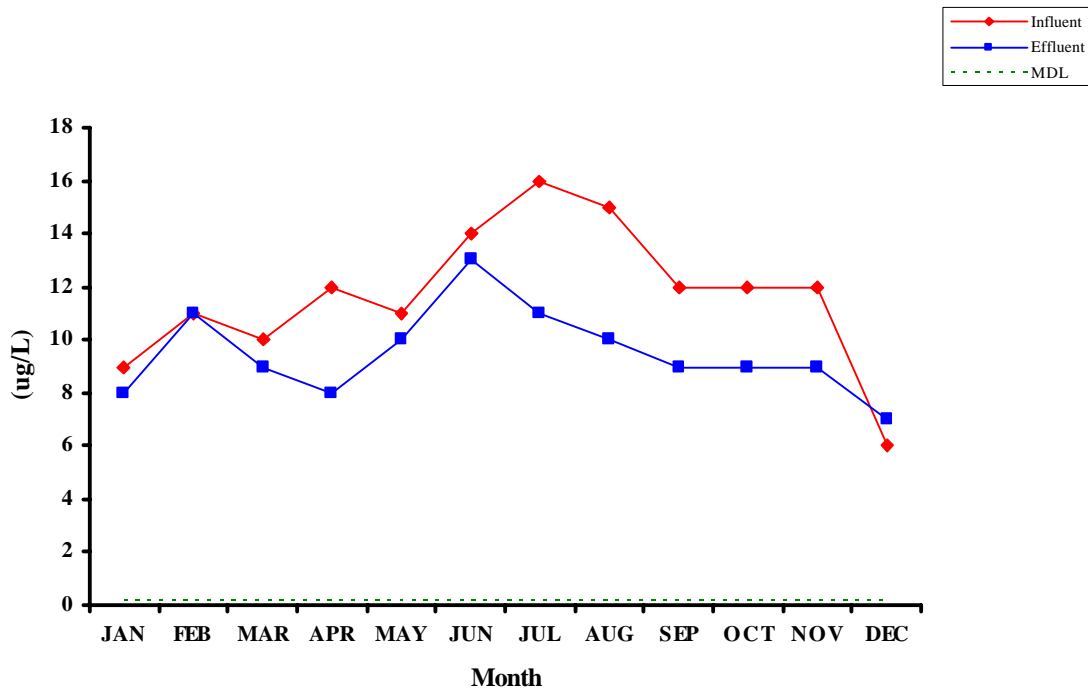
### Cobalt 2005 Monthly Averages



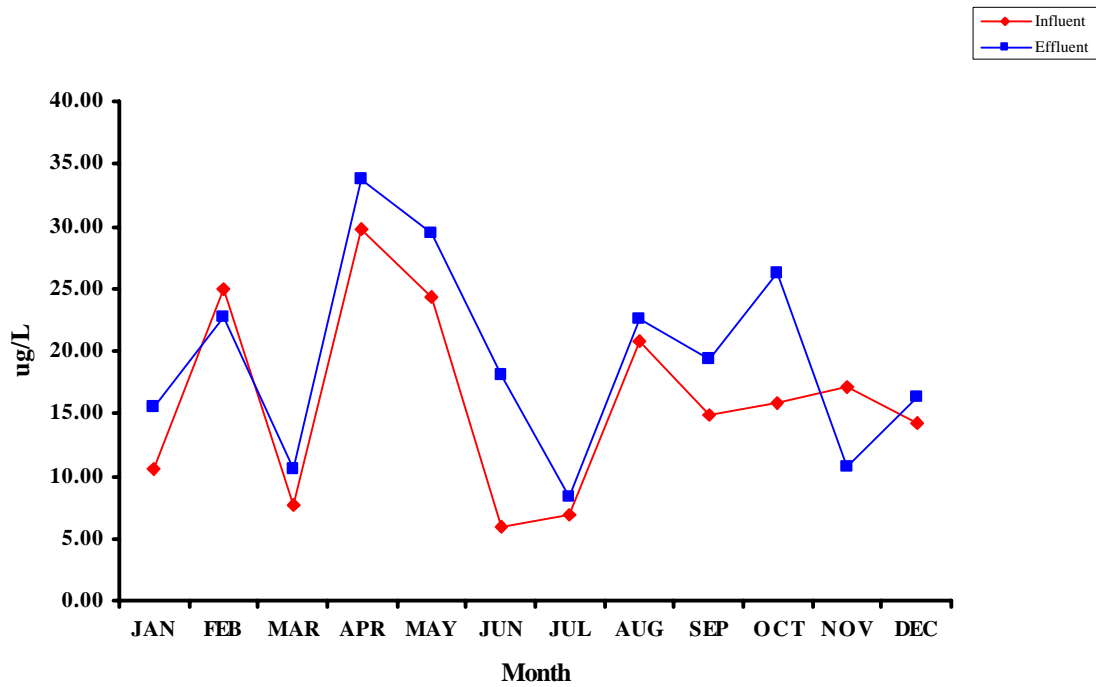
## Manganese 2005 Monthly Averages



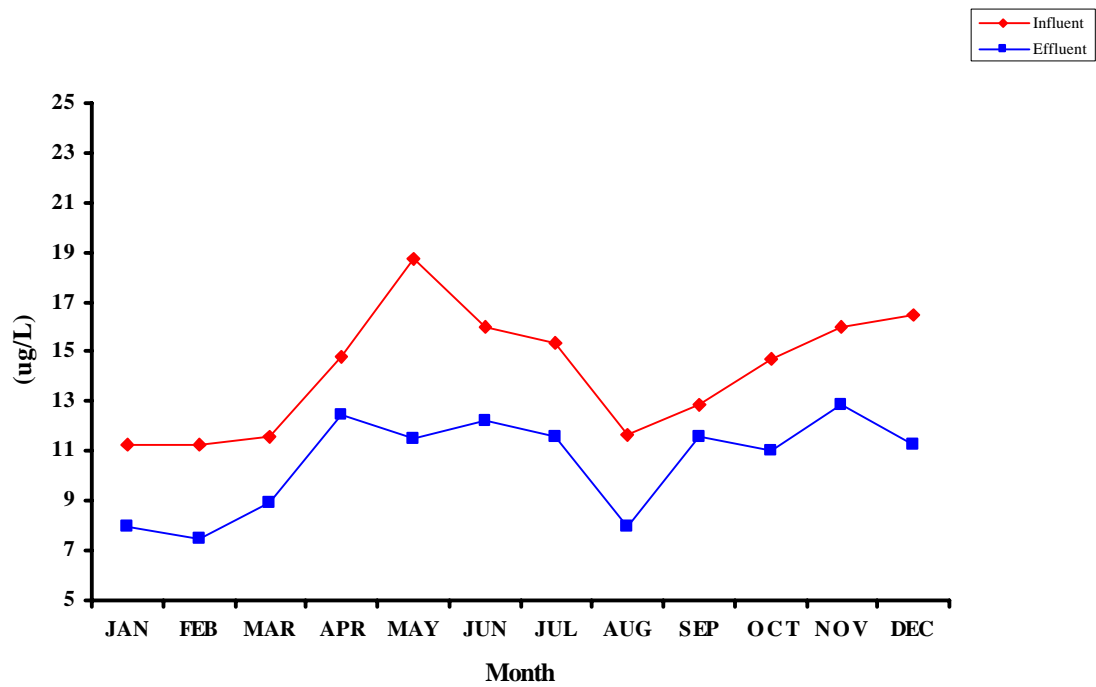
## Molybdeum 2005 Monthly Averages



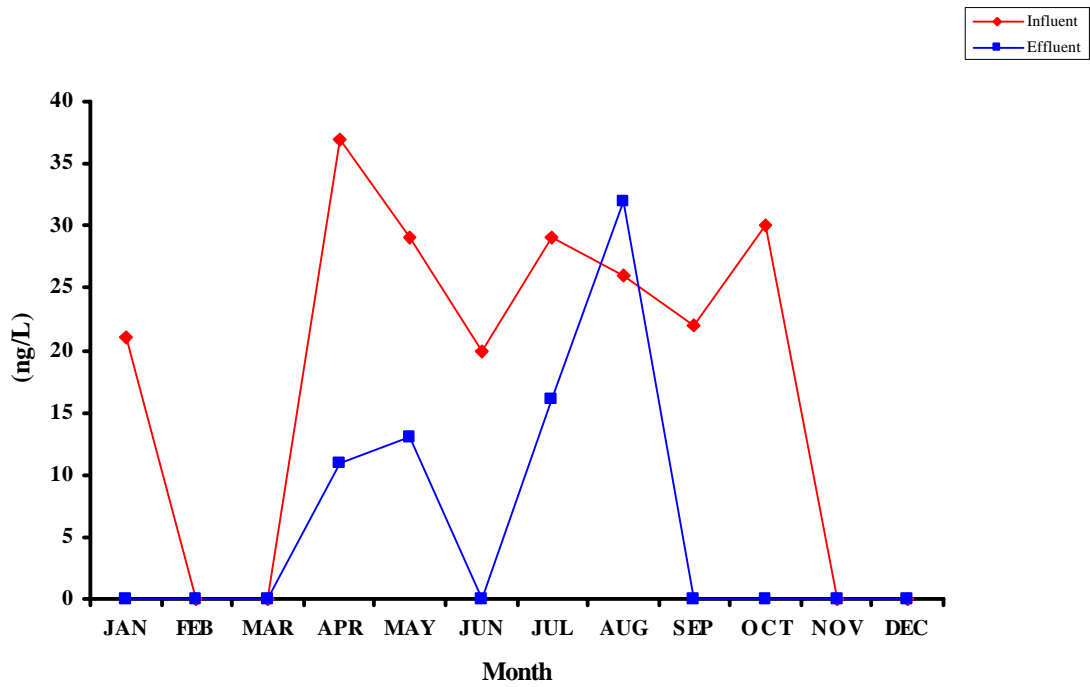
### Purgeables 2005 Monthly Averages



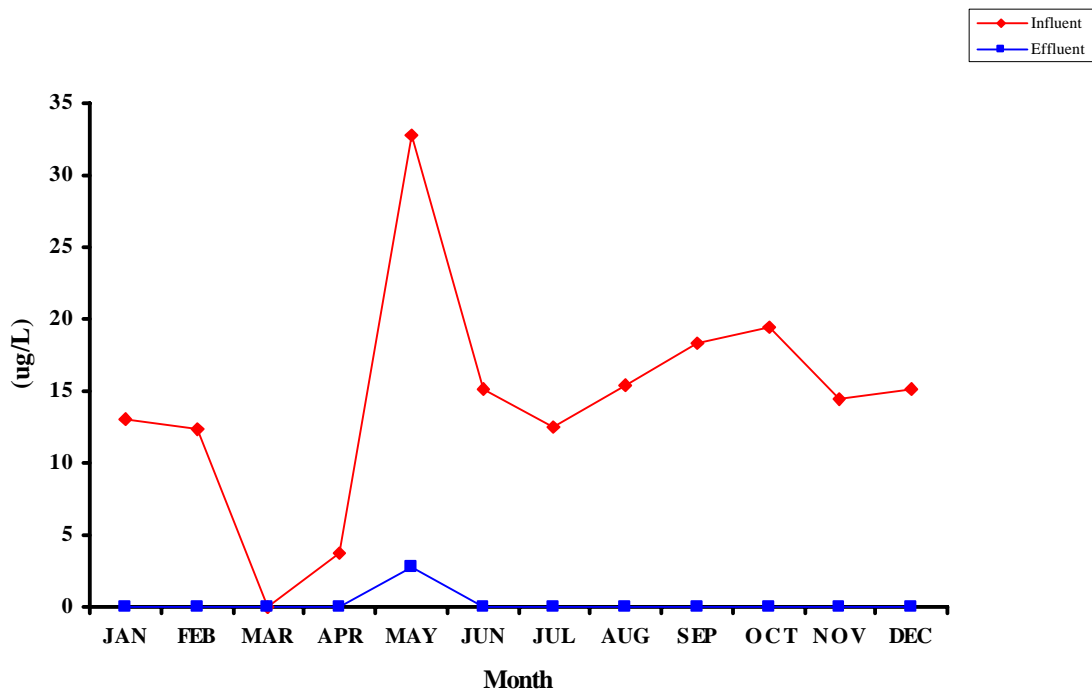
### Phenols 2005 Monthly Averages



### Total Chlorinated Hydrocarbons 2005 Monthly Averages

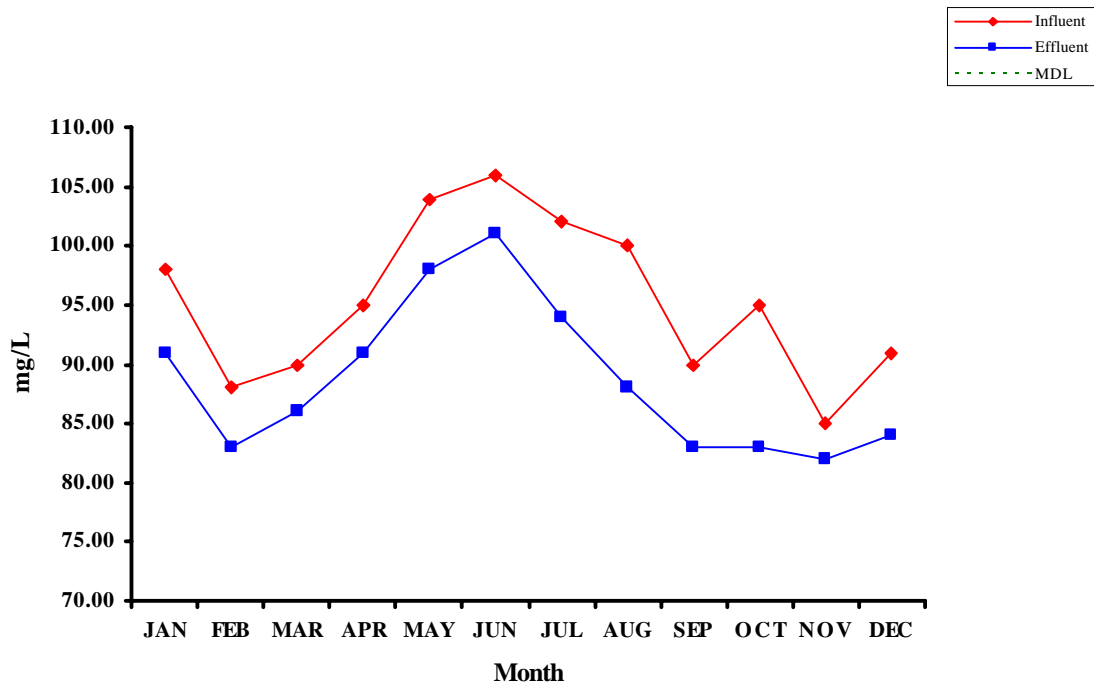


### Base Neutrals 2005 Monthly Averages

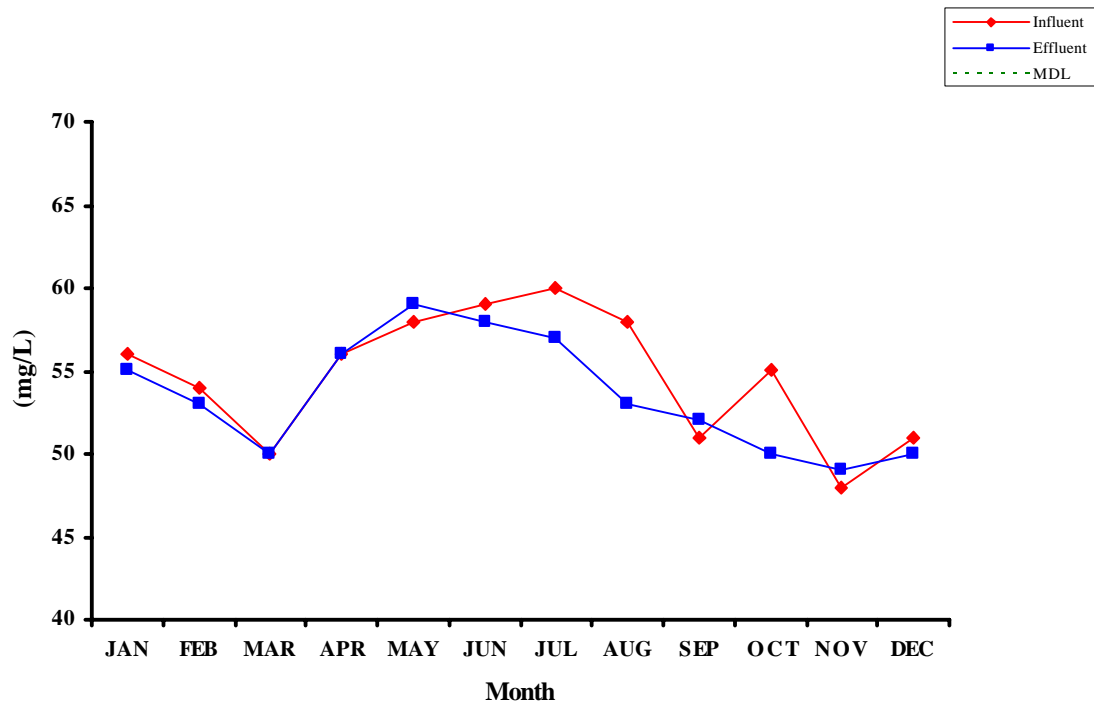




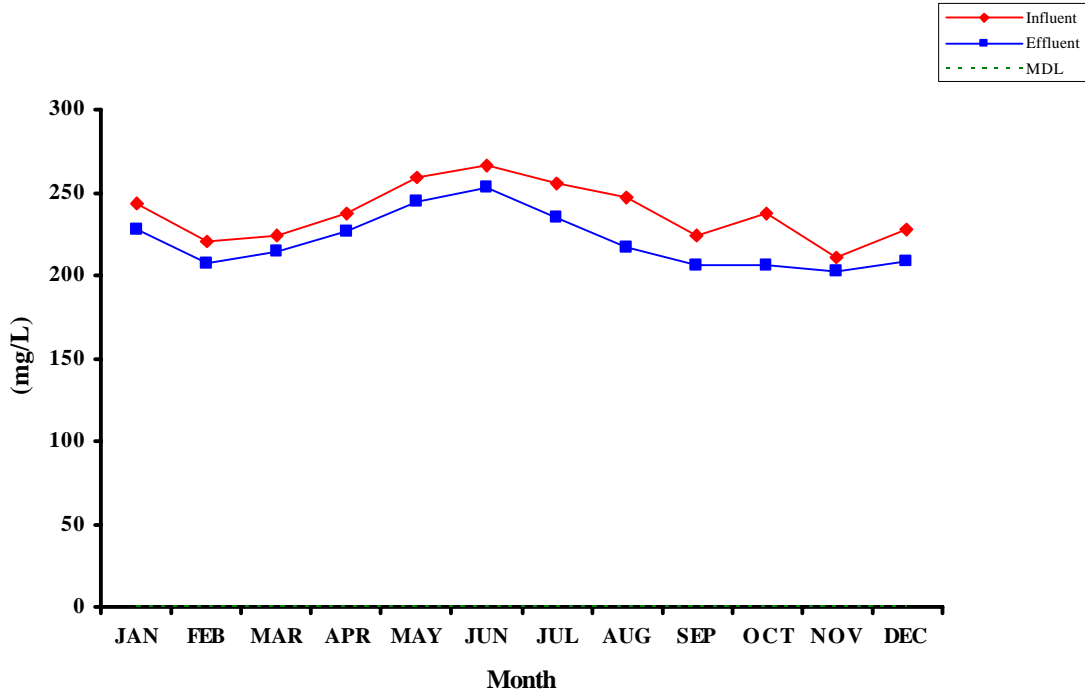
## Calcium 2005 Monthly Averages



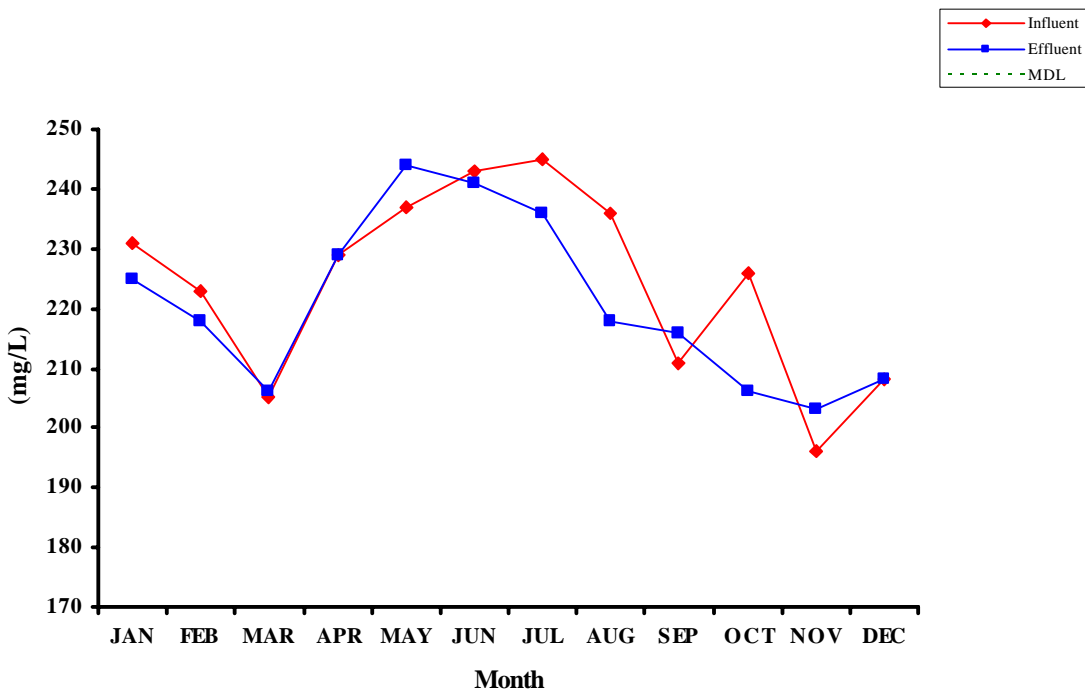
## Magnesium 2005 Monthly Averages



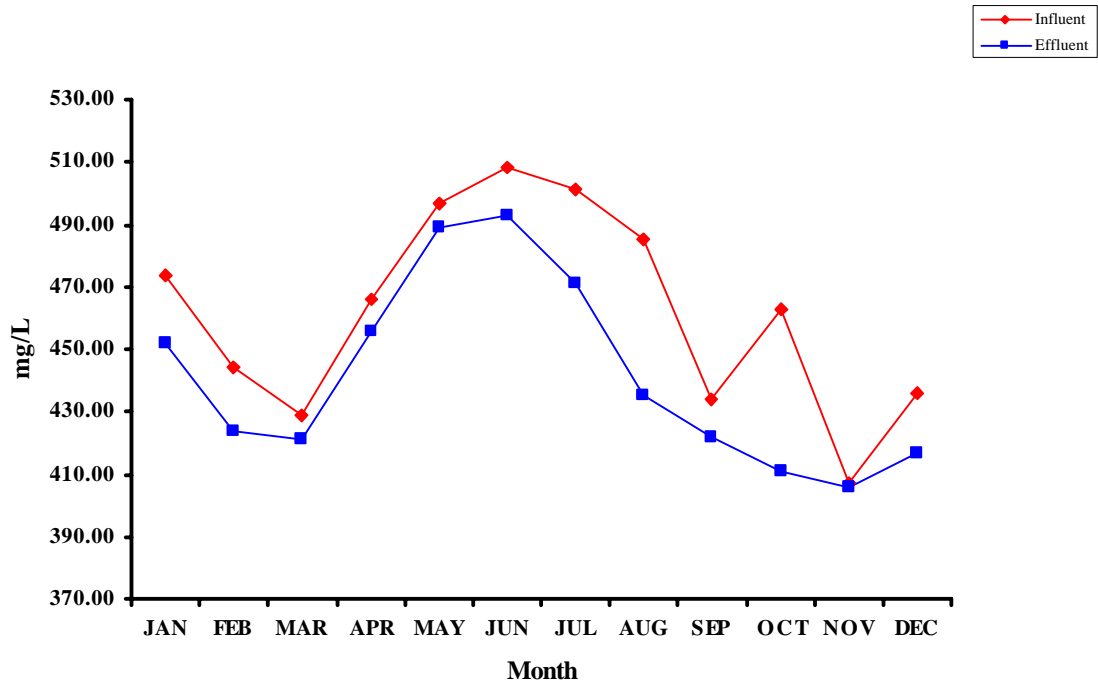
### Calcium Hardness 2005 Monthly Averages



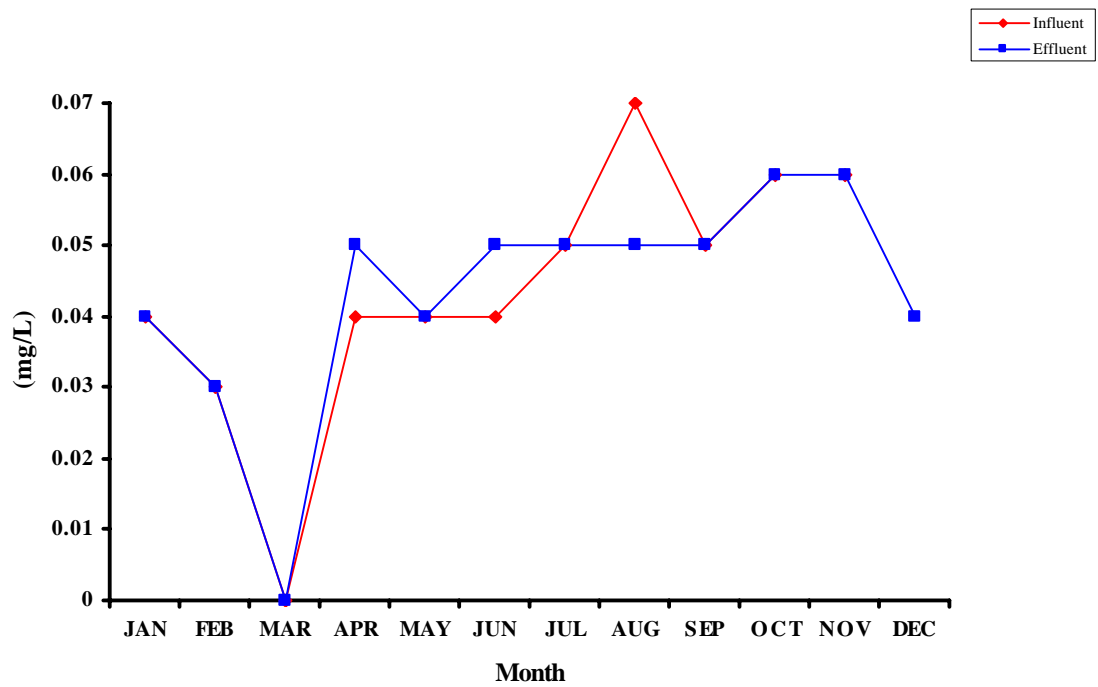
### Magnesium Hardness 2005 Monthly Averages



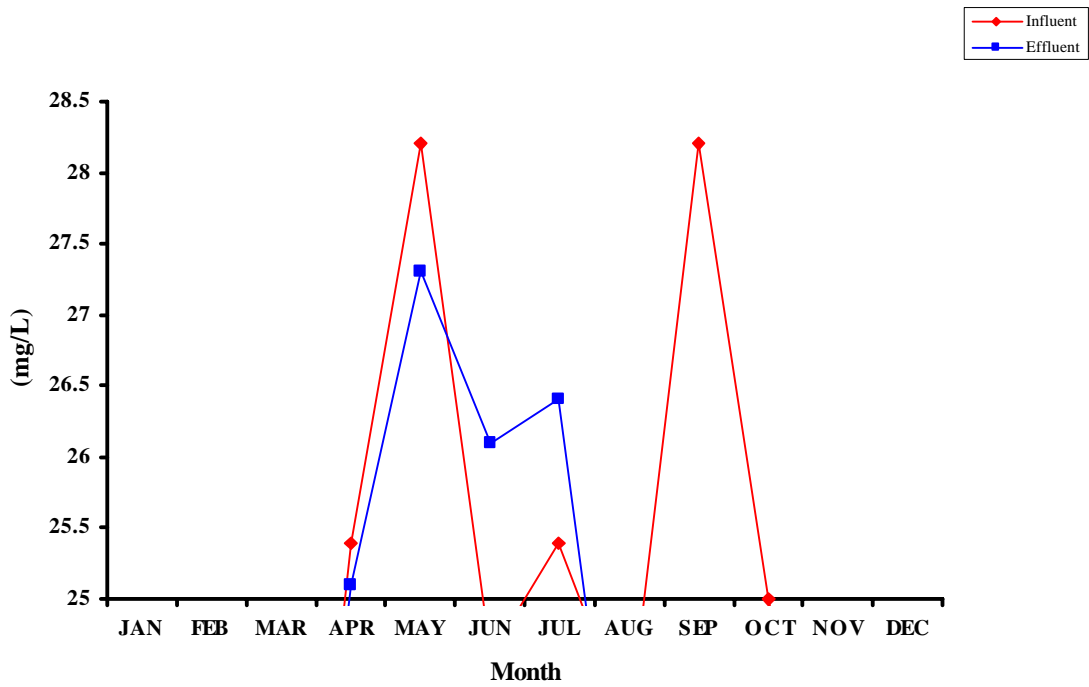
### Total Hardness 2005 Monthly Averages



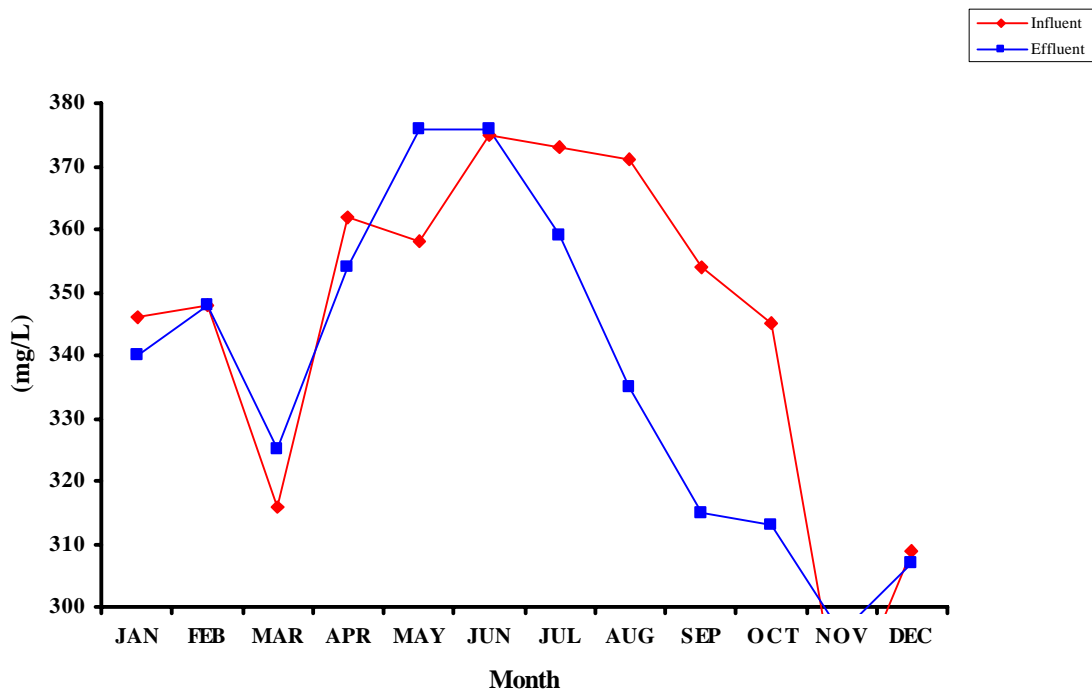
### Lithium 2005 Monthly Averages



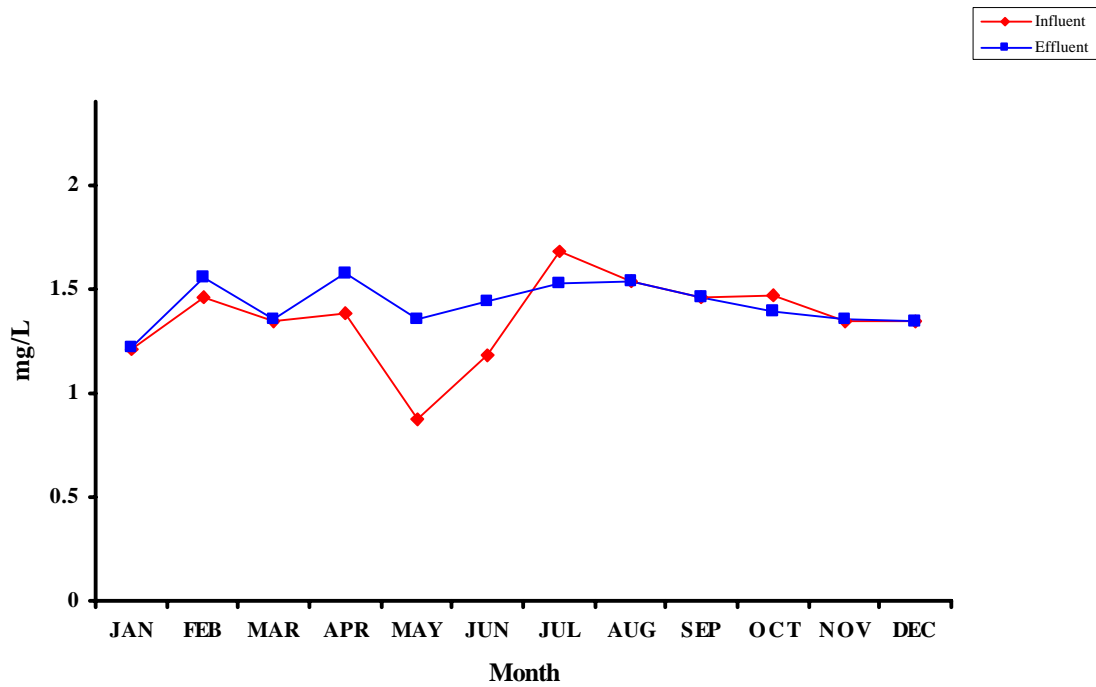
### Potassium 2005 Monthly Averages



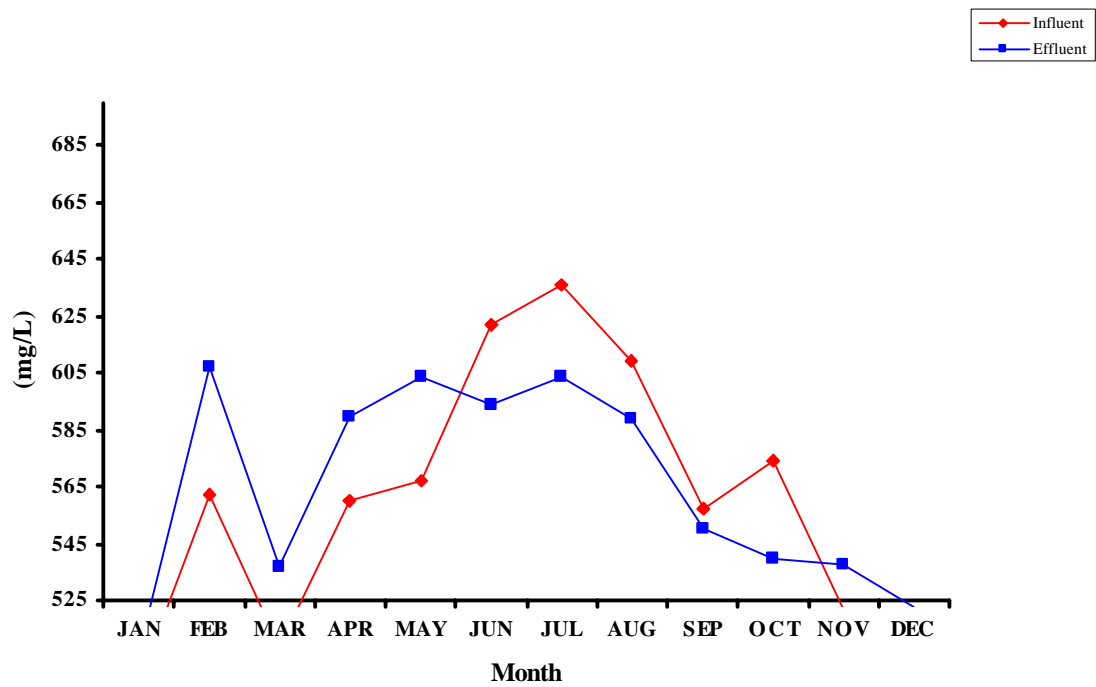
### Sodium 2005 Monthly Averages



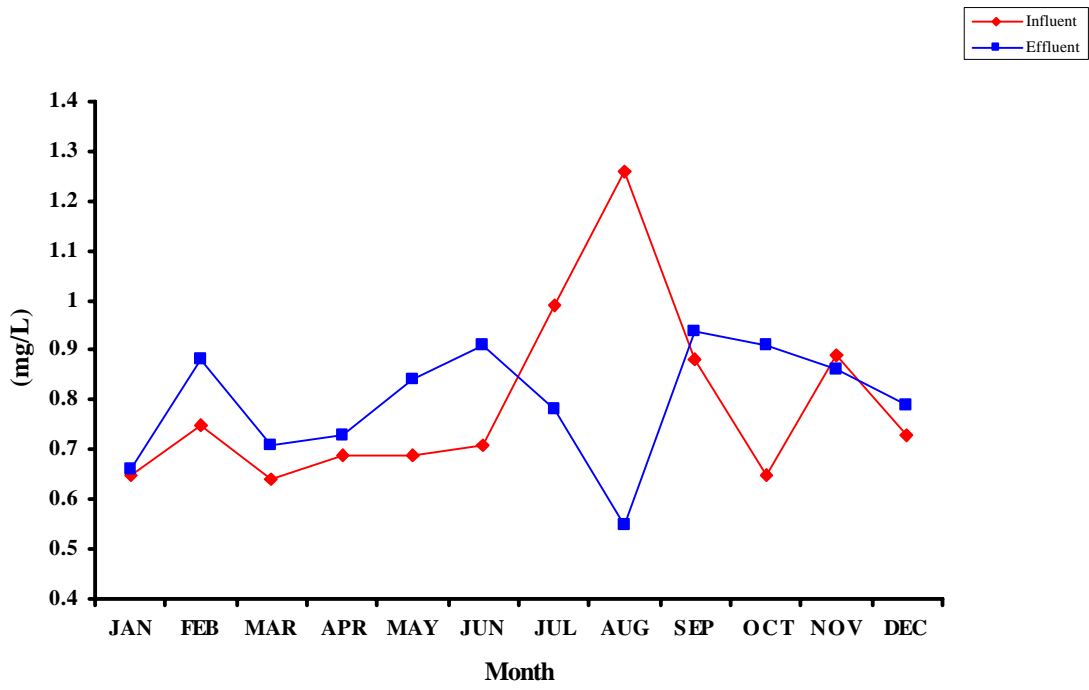
### Bromide 2005 Monthly Averages



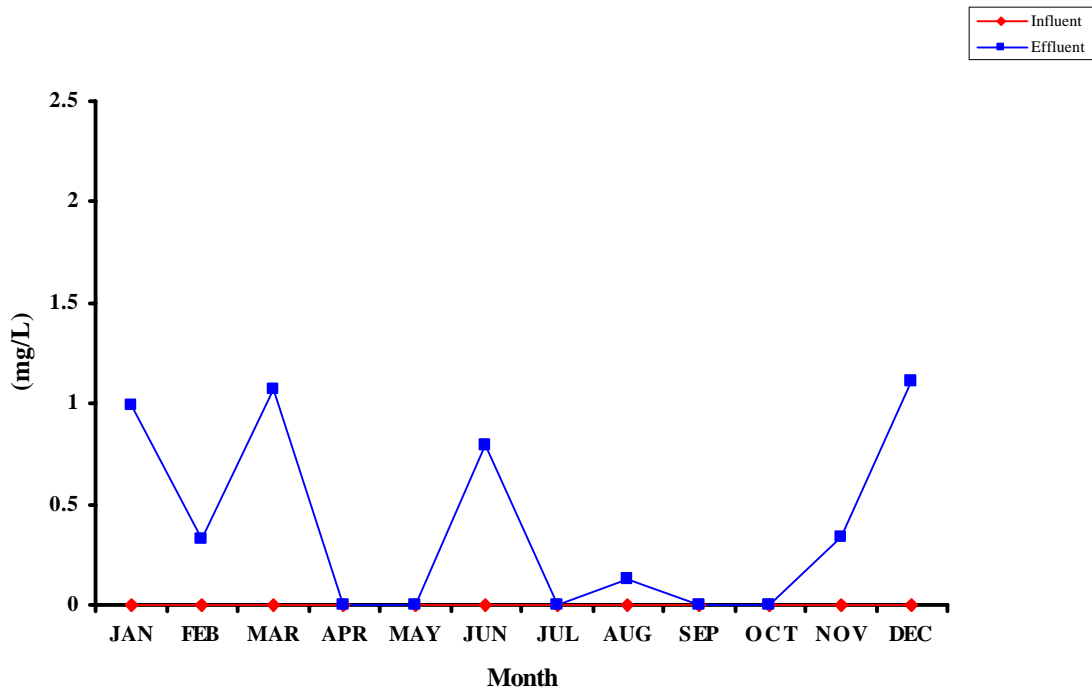
### Chloride 2005 Monthly Averages



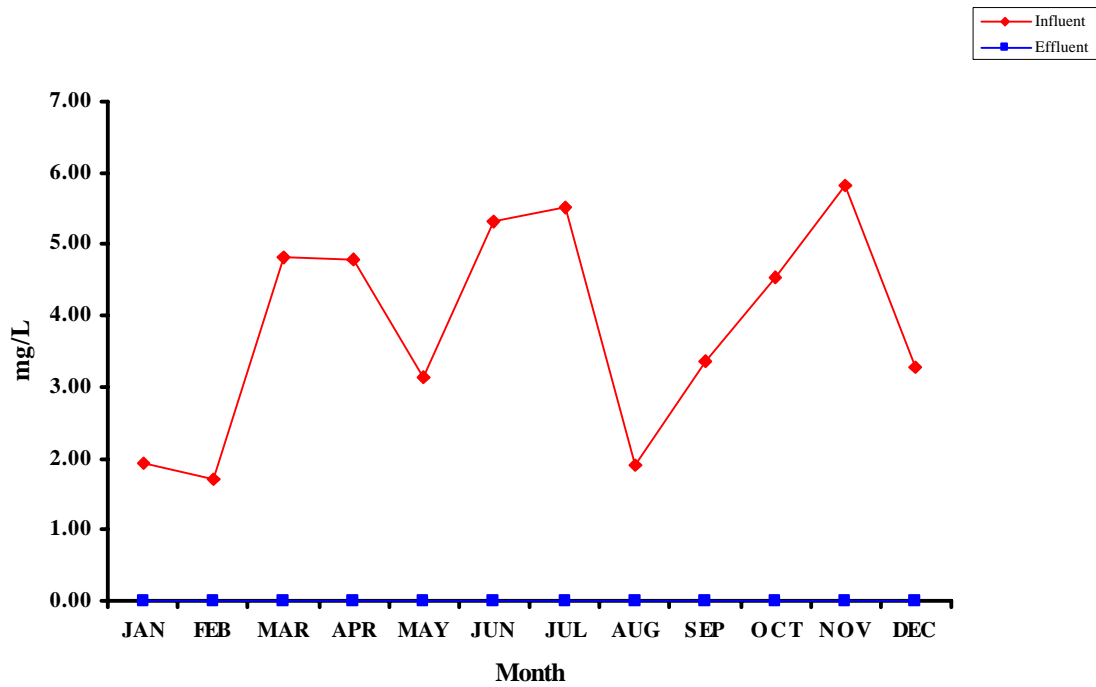
### Fluoride 2005 Monthly Averages



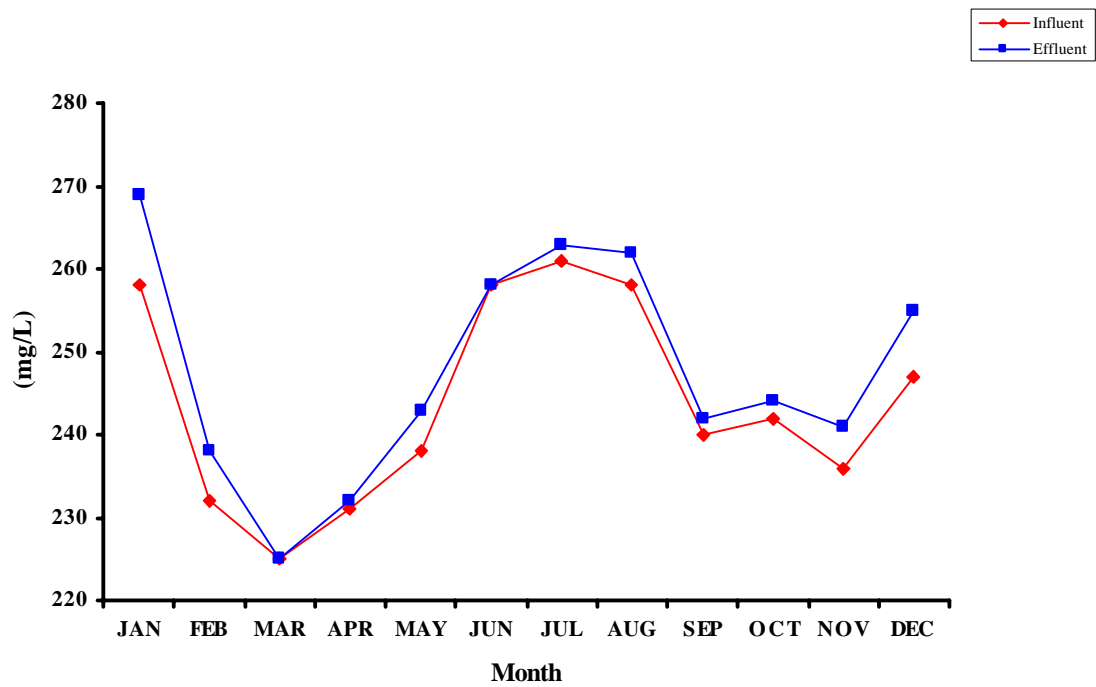
### Nitrate 2005 Monthly Averages



### O-Phosphate 2005 Monthly Averages



### Sulfate 2005 Monthly Averages



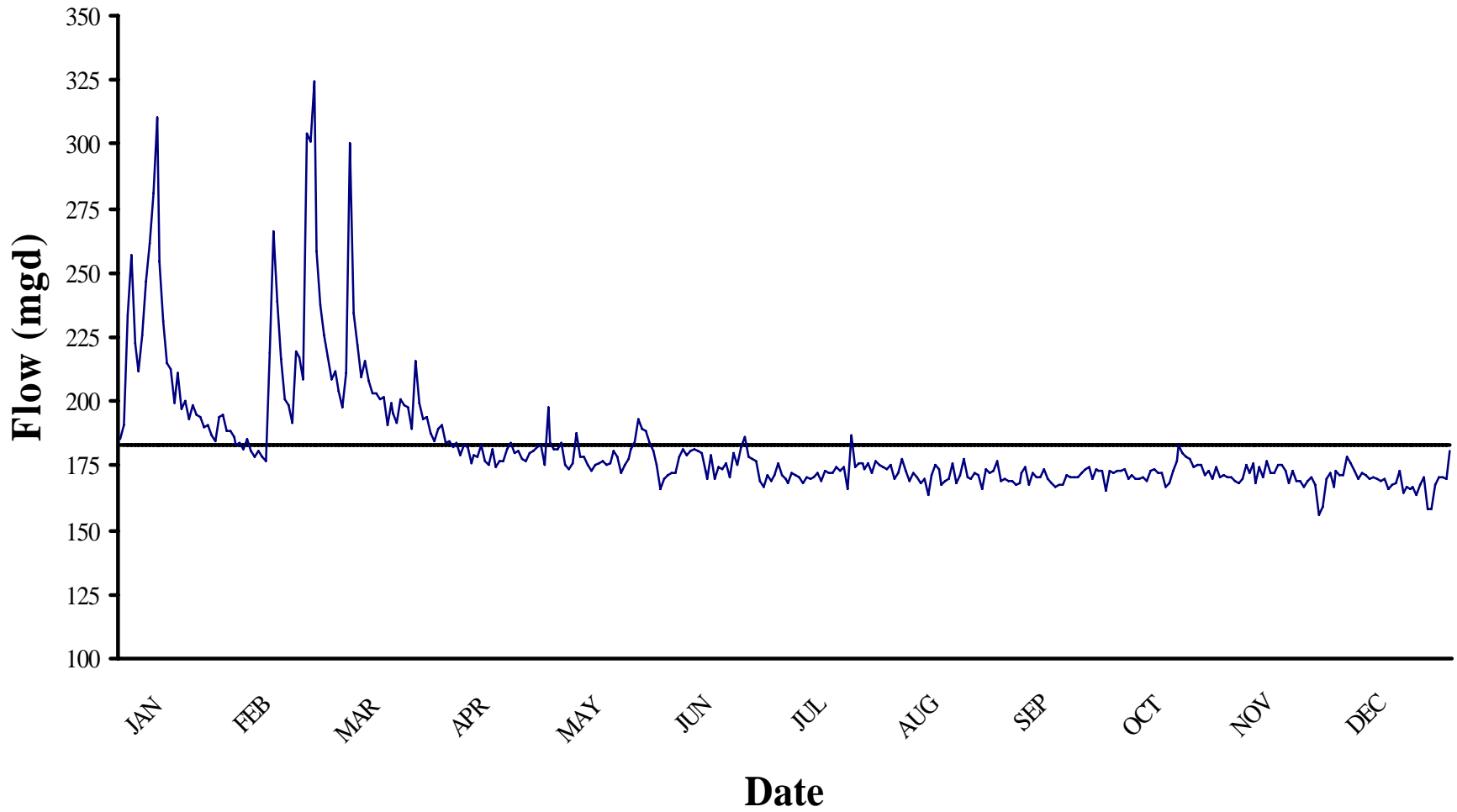
C. Daily Values of Selected Parameters.

Daily values of selected parameters (e.g. TSS, Flow, TSS Removals, etc.) are tabulated and presented graphically; statistical summary information is provided. The straight horizontal lines on the graphs in this section represent annual means for the constituent.





# Point Loma Wastewater Treatment Plant 2005 Daily Flows (mgd)

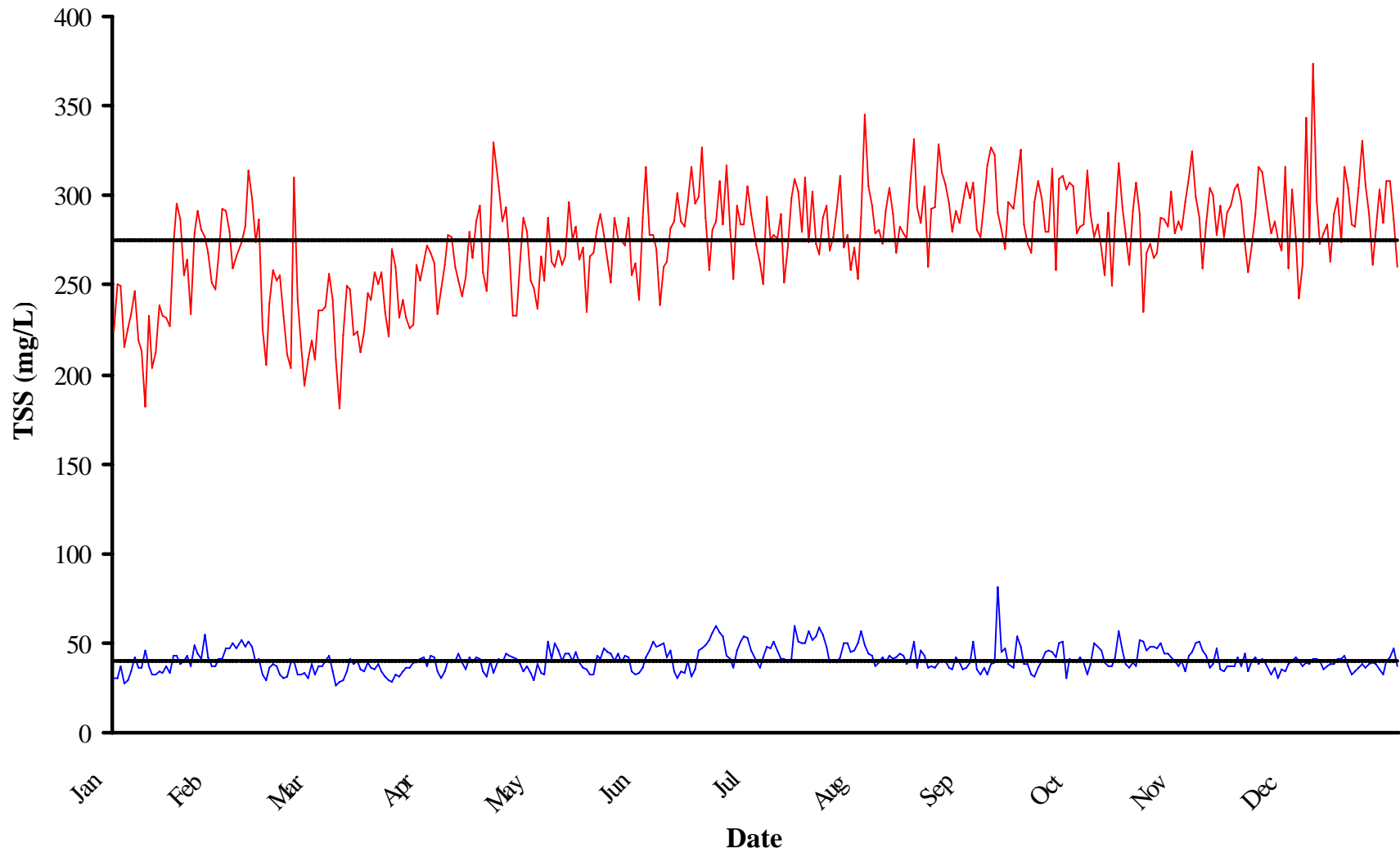


# Point Loma Wastewater Treatment Plant

## 2005 Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	185.5	186.4	211.7	184.4	181.2	172.6	171.2	170.1	169.0	173.1	170.6	171.4	
2	190.6	183.3	204.4	182.3	183.9	172.4	170.1	172.4	169.1	172.8	169.3	171.1	
3	233.2	183.6	197.9	184.1	175.7	178.3	168.2	177.5	167.8	174.1	168.1	178.2	
4	257.1	181.4	210.8	179.0	173.4	181.4	172.4	173.2	168.5	169.5	170.2	176.0	
5	222.9	185.7	300.5	183.4	176.2	179.4	171.1	169.3	171.8	171.2	175.0	172.9	
6	211.5	180.9	234.4	182.3	187.9	180.9	170.5	171.9	174.2	170.0	172.0	169.5	
7	225.5	178.2	222.2	175.7	178.5	181.6	168.5	170.3	167.2	170.1	175.8	172.1	
8	246.8	180.6	209.5	179.1	178.4	180.9	170.9	168.7	172.4	170.7	168.7	171.5	
9	261.6	178.2	215.4	178.6	175.7	179.7	170.2	169.8	170.3	169.2	174.2	169.5	
10	281.2	177.3	208.2	182.7	173.0	172.8	170.5	163.9	170.3	173.3	170.6	170.8	
11	310.0	219.2	203.1	176.5	175.2	170.1	172.5	171.4	173.7	174.0	176.9	170.2	
12	254.7	265.9	203.5	175.2	175.9	179.4	169.2	175.0	170.0	172.0	172.3	169.0	
13	231.1	239.3	201.3	181.6	176.5	169.5	173.1	173.7	168.4	172.5	171.9	169.9	
14	215.2	216.7	201.6	174.6	175.7	174.7	172.6	167.7	166.6	167.0	175.3	165.9	
15	212.8	201.2	190.7	177.0	176.1	173.6	172.6	169.0	167.8	167.9	175.3	167.8	
16	199.2	198.3	199.8	177.2	180.6	175.8	174.3	169.5	167.6	172.9	172.8	168.0	
17	211.4	191.3	195.6	181.3	178.4	170.6	173.0	176.3	171.3	177.1	168.4	173.1	
18	197.3	219.7	191.9	183.8	172.3	179.9	174.3	168.6	170.7	183.5	173.0	164.6	
19	200.5	217.6	200.9	179.7	175.2	175.4	166.1	171.7	170.7	180.3	169.1	166.5	
20	193.3	208.8	198.5	181.1	178.0	182.3	186.9	177.8	170.4	178.6	168.9	166.0	
21	199.0	303.9	197.6	177.8	181.9	186.2	174.5	170.4	172.0	177.9	166.6	166.9	
22	195.1	301.3	189.4	176.9	183.9	178.6	175.9	170.3	173.6	174.6	168.8	163.5	
23	194.0	324.6	216.0	179.7	193.0	177.7	175.8	172.3	174.8	175.3	170.7	167.5	
24	190.4	258.6	199.7	180.7	189.6	176.8	173.7	171.1	169.9	175.7	167.5	170.4	
25	190.9	237.5	193.3	182.5	188.7	169.3	175.7	165.8	173.6	171.3	155.6	158.4	
26	186.9	225.4	193.9	182.7	184.1	166.6	172.4	173.9	173.2	172.9	158.7	158.3	
27	184.9	217.4	187.7	175.5	180.4	171.4	176.9	171.9	173.2	169.7	169.9	167.4	
28	194.1	208.8	184.9	197.5	175.4	168.8	175.3	173.1	165.6	174.6	172.4	170.5	
29	195.0		189.2	183.6	166.3	171.5	174.6	177.0	172.8	170.6	166.8	170.9	
30	188.7		190.9	181.8	170.1	175.7	174.0	168.8	172.1	171.7	173.1	170.1	Annual
31	188.8		184.1		171.3		175.6	170.1		170.5		180.6	Summary
Average	214.5	216.8	204.1	180.6	178.5	175.8	173.0	171.4	170.6	173.0	170.3	169.3	183.2
Minimum	184.9	177.3	184.1	174.6	166.3	166.6	166.1	163.9	165.6	167.0	155.6	158.3	155.6
Maximum	310.0	324.6	300.5	197.5	193.0	186.2	186.9	177.8	174.8	183.5	176.9	180.6	324.6
Total	6649.2	6070.7	6328.4	5418.3	5532.2	5273.9	5362.3	5312.3	5118.5	5364.5	5108.3	5248.6	66787.2

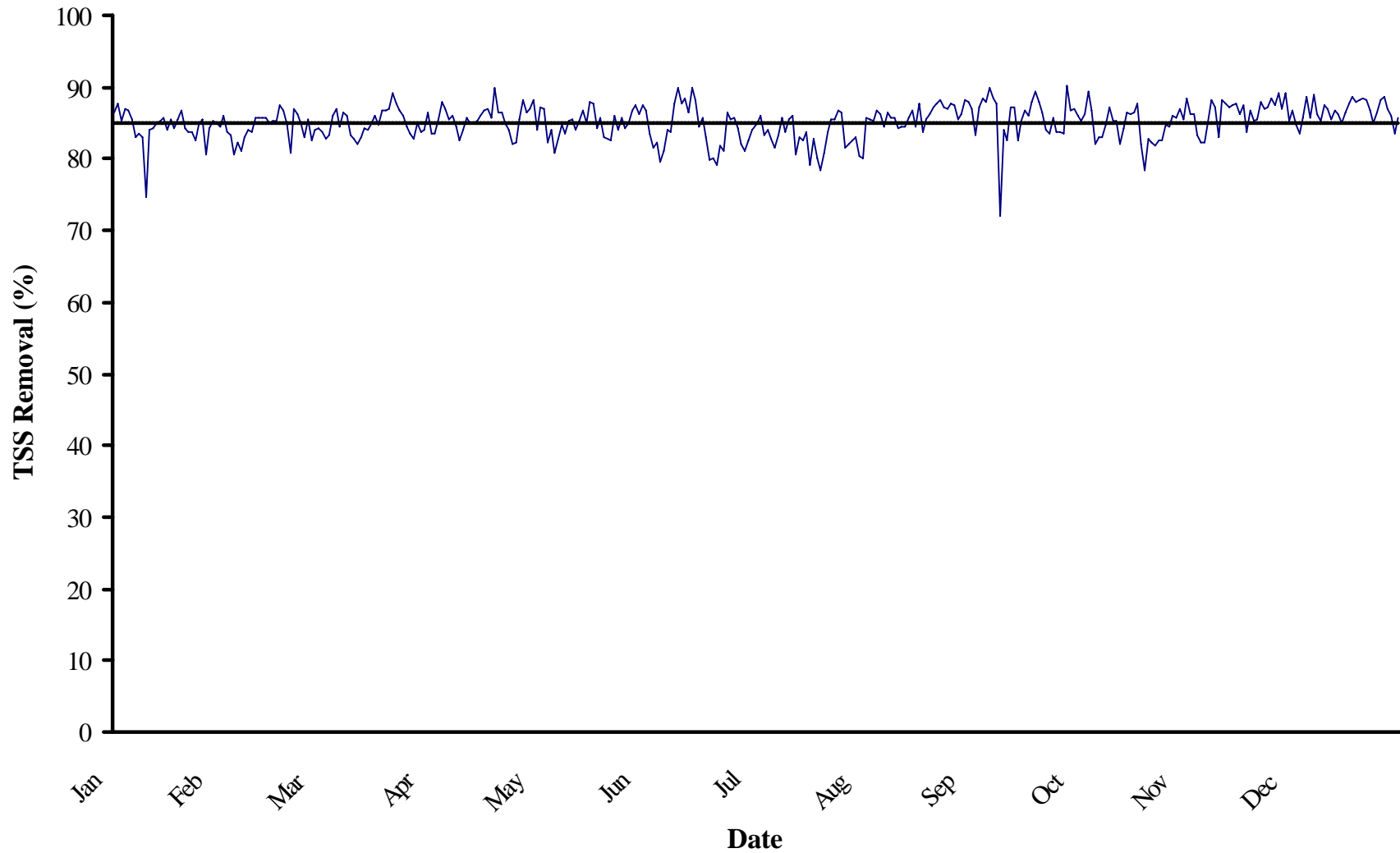
# Point Loma Wastewater Treatment Plant 2005 Total Suspended Solids



Point Loma Wastewater Treatment Plant  
2005 Total Suspended Solids (mg/L)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	224	30	292	41	236	38	268	44	237	38	316	42	289	46	288	57	298	39	279	39	296	34	303	40
2	250	31	291	47	238	41	262	43	266	34	278	46	272	41	345	49	307	51	283	42	310	43	277	42
3	249	37	280	47	256	43	234	34	252	33	278	51	262	37	305	44	281	36	284	39	325	45	243	40
4	215	28	259	50	242	34	247	30	288	51	270	48	250	42	294	43	277	32	314	33	299	50	261	37
5	226	30	266	47	208	27	261	34	263	42	239	49	299	48	279	37	296	36	289	38	288	51	343	39
6	234	34	274	52	181	28	278	40	260	50	260	49	275	47	281	39	317	32	277	50	259	46	274	39
7	246	42	283	48	222	30	277	39	269	46	263	42	278	51	273	42	327	38	284	48	285	43	374	41
8	219	36	314	50	249	35	260	40	261	40	282	46	276	46	291	39	323	40	270	46	304	36	297	41
9	213	36	298	48	247	41	252	44	266	44	286	35	289	41	304	43	290	81	255	39	300	38	273	40
10	182	46	274	39	222	38	244	39	296	44	301	30	251	41	289	41	281	45	290	37	278	47	279	35
11	233	37	287	41	224	40	254	36	275	40	286	35	271	39	268	42	270	47	249	37	294	35	284	37
12	203	32	226	32	212	36	280	42	283	45	283	33	298	42	283	44	296	38	286	42	277	34	263	38
13	212	32	205	29	224	35	265	40	264	39	296	40	309	60	279	43	292	37	318	57	290	37	289	38
14	239	35	240	36	245	39	286	42	271	36	316	32	302	51	276	39	309	54	293	46	294	37	298	41
15	233	33	258	38	242	36	294	41	235	35	295	35	280	49	307	41	326	48	279	38	303	37	274	41
16	232	37	252	37	257	36	257	34	266	32	299	46	310	50	332	51	284	38	261	36	306	42	316	43
17	227	33	255	32	250	38	246	32	268	33	327	47	274	57	293	36	273	38	291	39	296	37	304	37
18	273	43	233	31	257	34	283	40	282	44	288	49	302	52	285	46	268	32	307	38	273	44	284	32
19	295	43	211	32	235	31	330	33	289	41	258	52	273	54	305	44	296	31	289	52	257	34	283	34
20	287	38	203	39	221	29	305	41	278	47	281	56	267	58	260	36	308	37	235	51	272	40	304	36
21	255	40	310	40	270	29	286	39	263	45	286	60	288	55	292	37	298	40	268	46	289	42	331	38
22	264	43	242	33	260	32	293	44	251	44	308	56	294	48	293	36	280	45	273	48	316	38	306	36
23	234	38	215	33	232	31	270	43	288	40	284	54	269	39	329	39	280	46	265	48	313	41	289	38
24	279	49	194	33	242	34	233	42	276	44	317	43	277	40	313	40	315	45	268	47	298	38	261	39
25	291	44	208	30	232	36	233	41	275	39	281	41	293	39	306	40	258	42	288	50	279	32	281	38
26	281	41	219	38	226	37	264	38	272	43	253	36	311	42	295	36	309	50	287	44	286	36	303	36
27	277	54	208	33	228	39	288	34	288	43	294	46	271	50	280	35	311	51	283	44	276	30	285	32
28	268	42	236	37	261	39	280	38	255	34	284	51	278	50	291	42	303	30	302	42	269	35	308	40
29	251	37			252	41	252	33	262	33	284	54	258	45	285	39	307	41	279	40	316	34	308	43
30	247	37			263	42	248	29	242	33	305	53	271	46	295	35	305	40	286	37	259	38	287	47
31	266	41			272	37			288	36			253	50	307	37			281	41			260	37
Avg	245	38.0	251	39.0	239	35.6	268	38.2	269	40.2	287	45.1	280	46.9	294	41.0	296	41.9	281	43.0	290	39.2	292	38.5
Min	182	27.5	194	29.1	181	26.8	233	29.2	235	32.4	239	30.3	250	36.6	260	34.8	258	30.2	235	32.7	257	30.1	243	32.0
Max	295	54.4	314	51.8	272	42.8	330	43.9	296	50.7	327	60.1	311	60.1	345	57.0	327	80.8	318	56.5	325	50.8	374	46.6

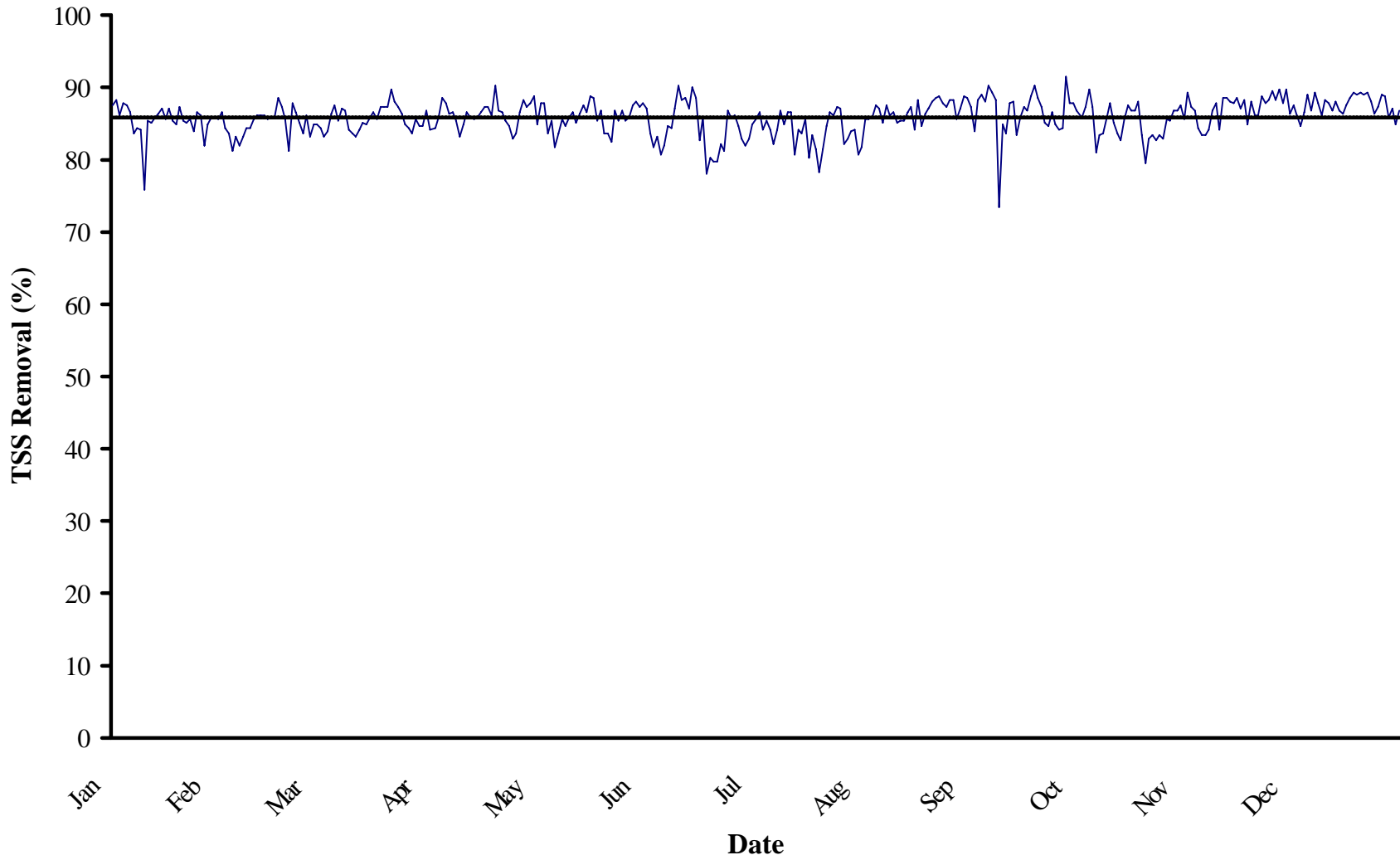
## Point Loma Wastewater Treatment Plant 2005 TSS Removal (%) at Point Loma



**Point Loma Wastewater Treatment Plant**  
**2005 Total Suspended Solids Removals (%) at Point Loma**

Day	Jan % Rem	Feb % Rem	Mar % Rem	Apr % Rem	May % Rem	Jun % Rem	Jul % Rem	Aug % Rem	Sep % Rem	Oct % Rem	Nov % Rem	Dec % Rem
1	86.6	86.0	83.9	83.6	84.0	86.7	84.1	80.2	86.9	86.0	88.5	86.8
2	87.6	83.8	82.8	83.6	87.2	83.5	84.9	85.8	83.4	85.2	86.1	84.8
3	85.1	83.2	83.2	85.5	86.9	81.7	85.9	85.6	87.2	86.3	86.2	83.5
4	87.0	80.7	86.0	87.9	82.3	82.2	83.2	85.4	88.4	89.5	83.3	85.8
5	86.7	82.3	87.0	87.0	84.0	79.5	83.9	86.7	87.8	86.9	82.3	88.6
6	85.5	81.0	84.5	85.6	80.8	81.2	82.9	86.1	89.9	81.9	82.2	85.8
7	82.9	83.0	86.5	85.9	82.9	84.0	81.7	84.6	88.4	83.1	84.9	89.0
8	83.6	84.1	85.9	84.6	84.7	83.7	83.3	86.6	87.6	83.0	88.2	86.2
9	83.1	83.9	83.4	82.5	83.5	87.8	85.8	85.9	72.1	84.7	87.3	85.3
10	74.7	85.8	82.9	84.0	85.1	90.0	83.7	85.8	84.0	87.2	83.1	87.5
11	84.1	85.7	82.1	85.8	85.5	87.8	85.6	84.3	82.6	85.1	88.1	87.0
12	84.2	85.8	83.0	85.0	84.1	88.3	85.9	84.5	87.2	85.3	87.7	85.6
13	84.9	85.9	84.4	84.9	85.2	86.5	80.6	84.6	87.3	82.1	87.2	86.9
14	85.4	85.0	84.1	85.3	86.7	89.9	83.1	85.9	82.5	84.3	87.4	86.2
15	85.8	85.3	85.1	86.1	85.1	88.1	82.5	86.6	85.3	86.4	87.8	85.0
16	84.1	85.3	86.0	86.8	88.0	84.6	83.9	84.6	86.6	86.2	86.3	86.4
17	85.5	87.5	84.8	87.0	87.7	85.6	79.2	87.7	86.1	86.6	87.5	87.8
18	84.2	86.7	86.8	85.9	84.4	83.0	82.8	83.9	88.1	87.6	83.9	88.7
19	85.4	84.8	86.8	90.0	85.8	79.8	80.2	85.6	89.5	82.0	86.8	88.0
20	86.8	80.8	86.9	86.6	83.1	80.1	78.3	86.2	88.0	78.3	85.3	88.2
21	84.3	87.1	89.3	86.4	82.9	79.0	80.9	87.3	86.6	82.8	85.5	88.5
22	83.7	86.4	87.7	85.0	82.5	81.8	83.7	87.7	83.9	82.4	88.0	88.2
23	83.8	84.7	86.6	84.1	86.1	81.0	85.5	88.1	83.6	81.9	86.9	86.9
24	82.4	83.0	86.0	82.0	84.1	86.4	85.6	87.2	85.7	82.5	87.2	85.1
25	84.9	85.6	84.5	82.4	85.8	85.4	86.7	86.9	83.7	82.6	88.5	86.5
26	85.4	82.6	83.6	85.6	84.2	85.8	86.5	87.8	83.8	84.7	87.4	88.1
27	80.5	84.1	82.9	88.2	85.1	84.4	81.5	87.5	83.6	84.5	89.1	88.8
28	84.3	84.3	85.1	86.4	86.7	82.0	82.0	85.6	90.1	86.1	87.0	87.0
29	85.3		83.7	86.9	87.4	81.0	82.6	86.3	86.6	85.7	89.2	86.0
30	85.0		84.0	88.3	86.4	82.6	83.0	88.1	86.9	87.1	85.3	83.6
31	84.6		86.4		87.5		80.2	87.9		85.4		85.8
Avg	84.4	84.4	85.0	85.6	85.0	84.1	83.2	86.0	85.8	84.6	86.5	86.7
Min	74.7	80.7	82.1	82.0	80.8	79.0	78.3	80.2	72.1	78.3	82.2	83.5
Max	87.6	87.5	89.3	90.0	88.0	90.0	86.7	88.1	90.1	89.5	89.2	89.0

# Point Loma Wastewater Treatment Plant 2005 TSS Removal (%) Systemwide

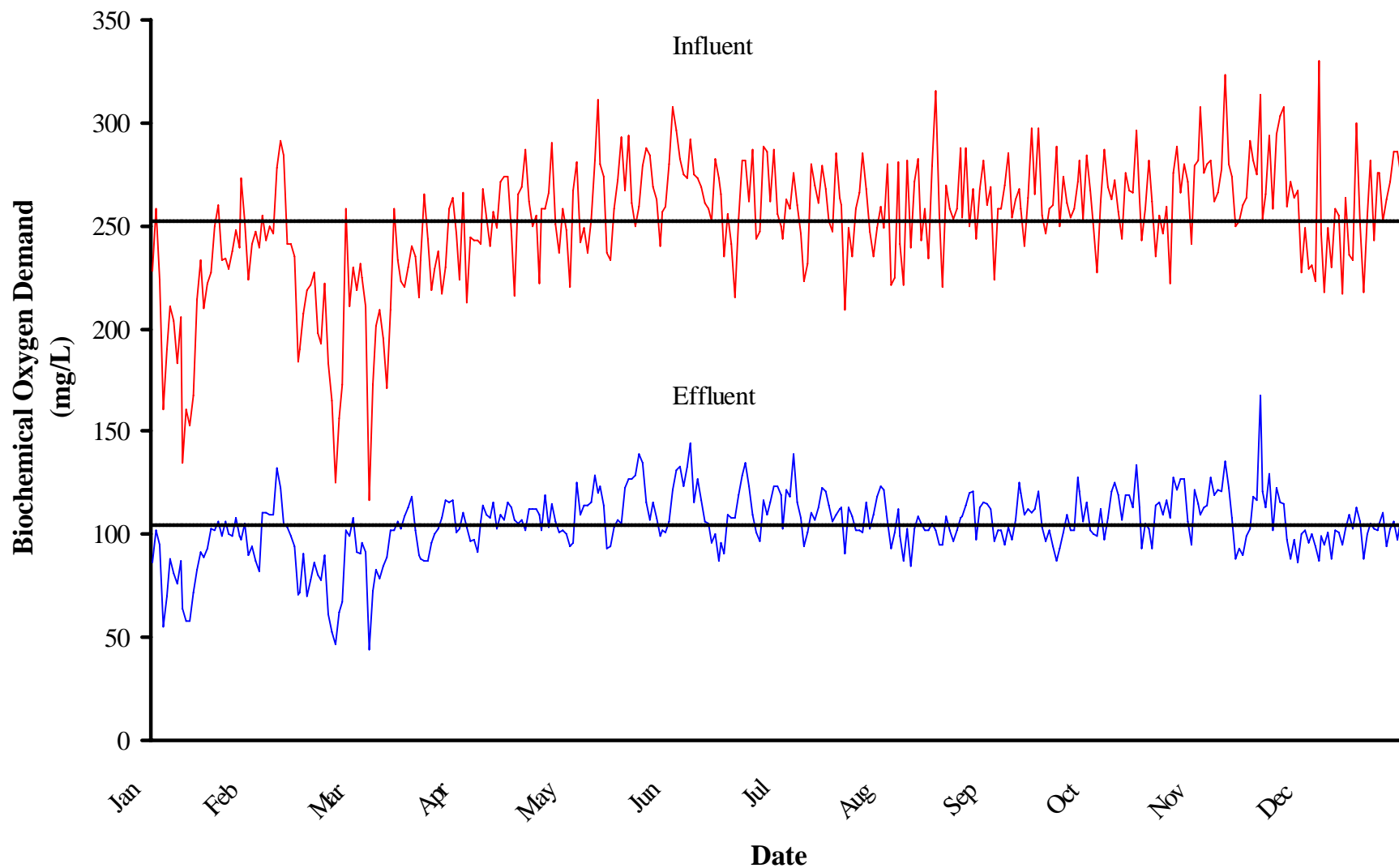




Point Loma Wastewater Treatment Plant  
**2005 Total Suspended Solids Removals (%) Systemwide**

Day	Jan % Rem	Feb % Rem	Mar % Rem	Apr % Rem	May % Rem	Jun % Rem	Jul % Rem	Aug % Rem	Sep % Rem	Oct % Rem	Nov % Rem	Dec % Rem
1	87.5	86.6	84.3	84.2	84.8	87.1	84.8	81.6	87.3	86.8	89.2	87.6
2	88.4	84.3	83.2	84.5	87.9	83.6	85.5	85.6	83.8	86.0	87.3	86.0
3	86.0	83.6	83.9	85.8	87.7	81.7	86.6	85.6	88.3	87.3	86.9	84.6
4	87.7	81.3	86.4	88.6	83.6	83.1	84.2	86.0	89.0	89.7	84.4	86.7
5	87.5	83.3	87.6	87.9	85.2	80.7	85.3	87.6	87.9	87.3	83.4	89.1
6	86.6	81.9	85.3	86.3	81.7	82.0	84.2	87.1	90.4	81.0	83.4	86.7
7	83.6	83.2	87.0	86.5	83.6	84.7	82.1	85.1	89.2	83.5	84.2	89.2
8	84.3	84.3	86.8	85.4	85.6	84.5	84.1	87.5	88.3	83.7	86.9	87.9
9	84.1	84.5	84.1	83.1	84.6	87.2	86.7	86.0	73.5	85.8	87.9	86.0
10	75.9	85.7	83.7	84.9	85.7	90.3	85.0	86.5	84.8	87.7	84.1	88.4
11	85.4	86.1	83.1	86.6	86.6	88.2	86.7	85.1	83.6	85.0	88.6	87.8
12	85.1	86.1	84.1	85.7	85.2	88.5	86.6	85.4	87.9	83.7	88.6	86.8
13	85.8	86.1	85.2	85.6	86.2	87.0	80.6	85.5	88.1	82.8	88.1	87.9
14	86.3	85.6	84.9	85.8	87.5	90.1	84.0	86.5	83.5	85.7	87.9	86.9
15	87.2	85.8	85.9	86.5	86.6	88.6	83.7	87.2	85.9	87.5	88.5	86.5
16	85.7	85.8	86.5	87.3	88.8	82.7	85.6	84.2	87.2	86.8	87.0	87.4
17	87.0	88.6	85.5	87.4	88.5	85.8	80.2	88.2	86.9	86.8	88.3	88.5
18	85.3	87.2	87.4	86.1	85.5	77.9	83.4	84.7	88.8	88.1	84.8	89.3
19	84.9	85.6	87.4	90.3	86.7	80.3	81.5	86.3	90.3	83.3	88.0	89.0
20	87.2	81.2	87.2	86.9	83.6	79.7	78.3	87.0	88.5	79.4	86.2	89.2
21	85.3	87.9	89.8	86.7	83.7	79.9	81.4	88.0	87.3	82.8	86.2	89.0
22	85.0	86.6	88.0	85.3	82.5	82.3	84.7	88.6	85.0	83.4	88.7	89.2
23	85.5	85.0	87.2	84.7	86.9	81.2	86.6	88.7	84.7	82.7	87.7	88.0
24	84.0	83.6	86.3	83.0	85.4	86.8	86.1	87.7	86.6	83.4	88.3	86.2
25	86.5	86.0	84.9	83.7	86.9	85.8	87.3	87.4	84.8	82.8	89.4	87.2
26	86.1	83.2	84.3	86.5	85.3	86.1	87.0	88.4	84.3	85.6	88.3	89.0
27	82.0	84.8	83.7	88.4	86.0	84.6	82.3	88.3	84.5	85.4	89.7	88.8
28	84.9	84.8	85.5	87.3	87.5	82.8	83.0	85.6	91.5	86.9	87.9	85.9
29	85.9		84.5	87.7	88.1	82.0	84.0	87.1	87.8	86.8	89.8	87.0
30	85.9		84.7	88.9	87.4	82.9	84.1	88.7	87.7	87.5	86.3	84.8
31	85.7		86.7		87.7		80.8	88.5		85.5		86.8
Avg	85.4	85.0	85.7	86.2	85.9	84.3	84.1	86.6	86.6	85.2	87.2	87.5
Min	75.9	81.2	83.1	83.0	81.7	77.9	78.3	81.6	73.5	79.4	83.4	84.6
Max	88.4	88.6	89.8	90.3	88.8	90.3	87.3	88.7	91.5	89.7	89.8	89.3

# Point Loma Wastewater Treatment Plant 2005 Biochemical Oxygen Demand

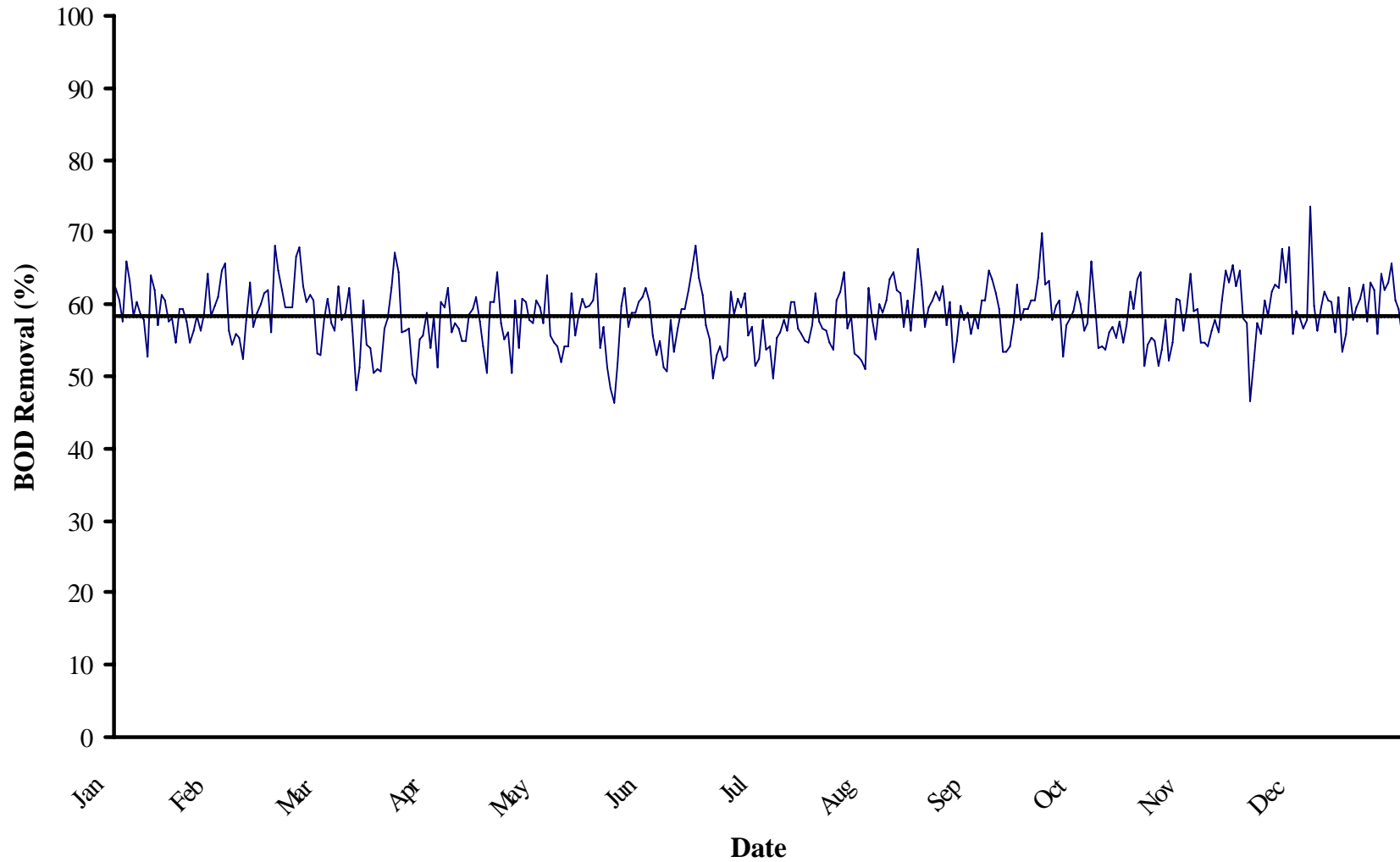


Point Loma Wastewater Treatment Plant  
2005 Biochemical Oxygen Demand (mg/L)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		N
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf
1	228	86	239	82	219	92	266	111	248	100	308	122	256	124	249	122	269	112	250	100	308
2	258	102	255	111	232	91	213	104	220	94	296	131	250	119	280	106	224	97	227	99	276
3	224	95	243	111	225	96	245	97	267	96	283	133	244	103	221	93	<b>258</b>	<b>102</b>	262	112	280
4	161	55	250	110	211	92	243	98	281	125	275	124	263	122	225	101	<b>258</b>	<b>102</b>	287	98	282
5	190	70	246	110	117	44	243	92	242	110	273	133	258	118	281	112	270	95	269	108	262
6	211	88	278	132	173	73	241	106	249	114	292	144	276	139	241	99	285	104	263	121	266
7	204	81	291	123	201	83	268	114	237	114	275	116	260	116	221	87	254	98	272	125	277
8	183	76	284	105	209	79	254	110	253	116	273	127	246	108	282	103	263	107	257	119	323
9	206	87	241	104	195	85	240	108	282	129	269	117	223	94	239	85	268	125	244	107	280
10	135	64	241	99	171	89	257	116	311	120	261	106	232	101	271	103	258	120	276	119	274
11	161	58	235	94	209	102	249	103	280	124	258	105	280	111	283	109	240	110	267	119	250
12	153	58	184	71	<b>258</b>	<b>102</b>	271	110	274	114	252	96	270	107	243	105	264	112	266	113	252
13	168	72	190	72	233	106	274	107	237	93	283	100	261	113	<b>258</b>	<b>102</b>	297	111	296	134	260
14	214	83	207	91	223	103	274	116	233	94	273	87	279	123	234	102	265	112	263	113	264
15	233	92	219	70	220	109	247	113	258	104	265	96	268	121	279	105	297	121	243	93	291
16	210	89	221	78	230	113	216	107	272	107	235	91	252	114	315	102	255	104	258	105	282
17	222	93	227	86	240	118	265	105	293	105	256	110	247	106	255	95	246	97	282	103	275
18	227	103	198	80	235	102	269	107	267	123	241	108	285	110	220	95	<b>258</b>	<b>102</b>	262	93	314
19	250	102	193	78	215	90	287	102	294	127	215	108	264	112	270	109	260	94	235	114	253
20	260	106	222	90	233	88	262	112	261	127	253	119	260	113	<b>258</b>	<b>102</b>	289	87	255	116	265
21	233	99	183	61	265	87	250	112	250	129	282	129	209	91	253	97	250	93	246	110	294
22	234	106	165	53	244	87	255	112	259	139	282	135	249	113	<b>258</b>	<b>102</b>	274	101	259	117	<b>258</b>
23	229	100	125	47	219	96	222	110	279	135	262	124	235	109	288	108	261	110	222	108	295
24	238	99	156	62	229	100	<b>258</b>	<b>102</b>	288	116	287	110	<b>258</b>	<b>102</b>	254	109	254	102	276	128	303
25	248	108	173	67	238	103	258	119	284	107	244	101	266	102	288	114	<b>258</b>	<b>102</b>	289	122	308
26	239	99	<b>258</b>	<b>102</b>	217	108	266	104	269	116	247	97	285	101	250	120	271	128	266	127	259
27	273	98	211	99	230	117	290	115	263	108	289	117	268	116	268	121	282	121	280	127	271
28	252	105	230	108	258	116	251	106	240	99	286	110	247	103	244	98	253	106	271	106	264
29	224	90			264	117	237	101	257	102	262	116	235	110	268	113	284	116	241	95	267
30	241	94			246	101	<b>258</b>	<b>102</b>	259	101	287	124	249	118	282	116	267	102	279	122	227
31	247	87			224	103			280	106			259	124	260	115			282	115	
Avg	218	88.5	220	89.1	222	96.5	254	107.4	264	112.7	269	114.5	256	111.7	259	104.8	264	106.4	263	112.5	276
Min	135	55.0	125	47.0	117	44.0	213	92.0	220	93.0	215	87.0	209	91.0	220	85.0	224	87.0	222	93.0	227
Max	273	108.0	291	132.0	265	118.0	290	119.0	311	139.0	308	144.0	285	139.0	315	122.0	297	128.0	296	134.0	323

**BOLD**=Batch or sample did not meet QC requirements on these dates. Used median BOD values from 2004, instead of result va

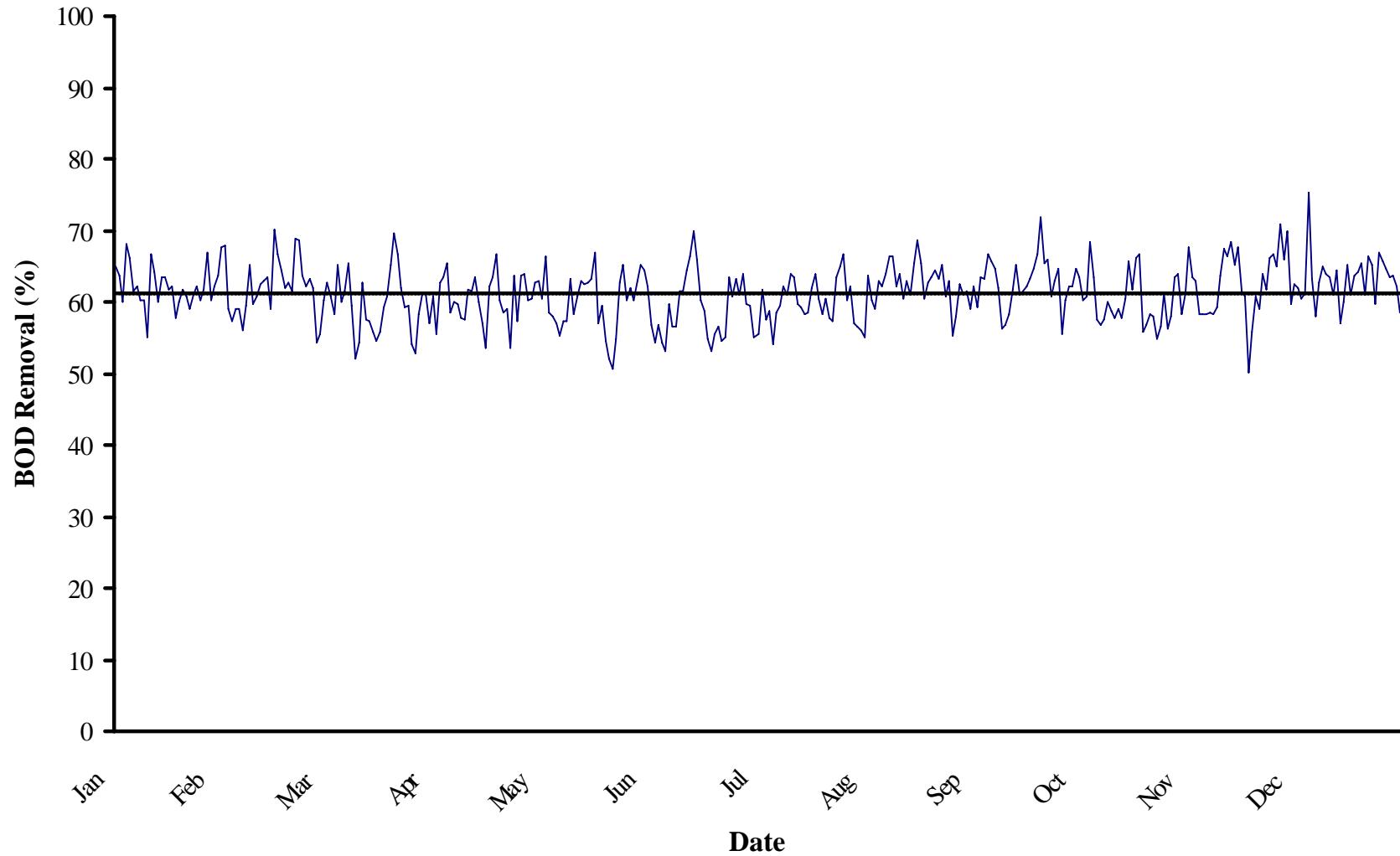
## Point Loma Wastewater Treatment 2005 BOD Removal (%) at Point Loma



**Point Loma Wastewater Treatment Plant**  
**2005 Biochemical Oxygen Demand Removals (%) at Point Loma**

Day	Jan % Rem	Feb % Rem	Mar % Rem	Apr % Rem	May % Rem	Jun % Rem	Jul % Rem	Aug % Rem	Sep % Rem	Oct % Rem	Nov % Rem	Dec % Rem
1	62.3	65.7	58.0	58.3	59.7	60.4	51.6	51.0	58.4	60.0	64.3	59.0
2	60.5	56.5	60.8	51.2	57.3	55.7	52.4	62.1	56.7	56.4	59.1	58.1
3	57.6	54.3	57.3	60.4	64.0	53.0	57.8	57.9	60.5	57.3	59.3	56.7
4	65.8	56.0	56.4	59.7	55.5	54.9	53.6	55.1	60.5	65.9	54.6	57.8
5	63.2	55.3	62.4	62.1	54.5	51.3	54.3	60.1	64.8	59.9	54.6	73.6
6	58.3	52.5	57.8	56.0	54.2	50.7	49.6	58.9	63.5	54.0	54.1	59.8
7	60.3	57.7	58.7	57.5	51.9	57.8	55.4	60.6	61.4	54.0	56.3	56.4
8	58.5	63.0	62.2	56.7	54.2	53.5	56.1	63.5	59.3	53.7	57.9	59.4
9	57.8	56.8	56.4	55.0	54.3	56.5	57.8	64.4	53.4	56.1	56.1	61.7
10	52.6	58.9	48.0	54.9	61.4	59.4	56.5	62.0	53.5	56.9	60.6	60.5
11	64.0	60.0	51.2	58.6	55.7	59.3	60.4	61.5	54.2	55.4	64.8	60.4
12	62.1	61.4	60.5	59.4	58.4	61.9	60.4	56.8	57.6	57.5	63.1	56.2
13	57.1	62.1	54.5	60.9	60.8	64.7	56.7	60.5	62.6	54.7	65.4	61.0
14	61.2	56.0	53.8	57.7	59.7	68.1	55.9	56.4	57.7	57.0	62.5	53.4
15	60.5	68.0	50.5	54.3	59.7	63.8	54.9	62.4	59.3	61.7	64.6	55.8
16	57.6	64.7	50.9	50.5	60.7	61.3	54.8	67.6	59.2	59.3	58.2	62.3
17	58.1	62.1	50.8	60.4	64.2	57.0	57.1	62.7	60.6	63.5	57.5	57.8
18	54.6	59.6	56.6	60.2	53.9	55.2	61.4	56.8	60.5	64.5	46.5	59.6
19	59.2	59.6	58.1	64.5	56.8	49.8	57.6	59.6	63.8	51.5	52.2	60.8
20	59.2	59.5	62.2	57.3	51.3	53.0	56.5	60.5	69.9	54.5	57.4	62.8
21	57.5	66.7	67.2	55.2	48.4	54.3	56.5	61.7	62.8	55.3	55.8	57.6
22	54.7	67.9	64.3	56.1	46.3	52.1	54.6	60.5	63.1	54.8	60.5	63.0
23	56.3	62.4	56.2	50.5	51.6	52.7	53.6	62.5	57.9	51.4	58.3	62.0
24	58.4	60.3	56.3	60.5	59.7	61.7	60.5	57.1	59.8	53.6	61.7	56.0
25	56.5	61.3	56.7	53.9	62.3	58.6	61.7	60.4	60.5	57.8	62.7	64.3
26	58.6	60.5	50.2	60.9	56.9	60.7	64.6	52.0	52.8	52.3	62.2	62.0
27	64.1	53.1	49.1	60.3	58.9	59.5	56.7	54.9	57.1	54.6	67.5	62.9
28	58.3	53.0	55.0	57.8	58.7	61.5	58.3	59.8	58.1	60.9	62.9	65.7
29	59.8		55.7	57.4	60.3	55.7	53.2	57.8	59.2	60.6	67.8	60.6
30	61.0		58.9	60.5	61.0	56.8	52.6	58.9	61.8	56.3	55.9	59.3
31	64.8		54.0		62.1		52.1	55.8		59.2		55.1
Avg	59.4	59.8	56.5	57.6	57.2	57.4	56.3	59.4	59.7	57.1	59.5	60.1
Min	52.6	52.5	48.0	50.5	46.3	49.8	49.6	51.0	52.8	51.4	46.5	53.4
Max	65.8	68.0	67.2	64.5	64.2	68.1	64.6	67.6	69.9	65.9	67.8	73.6

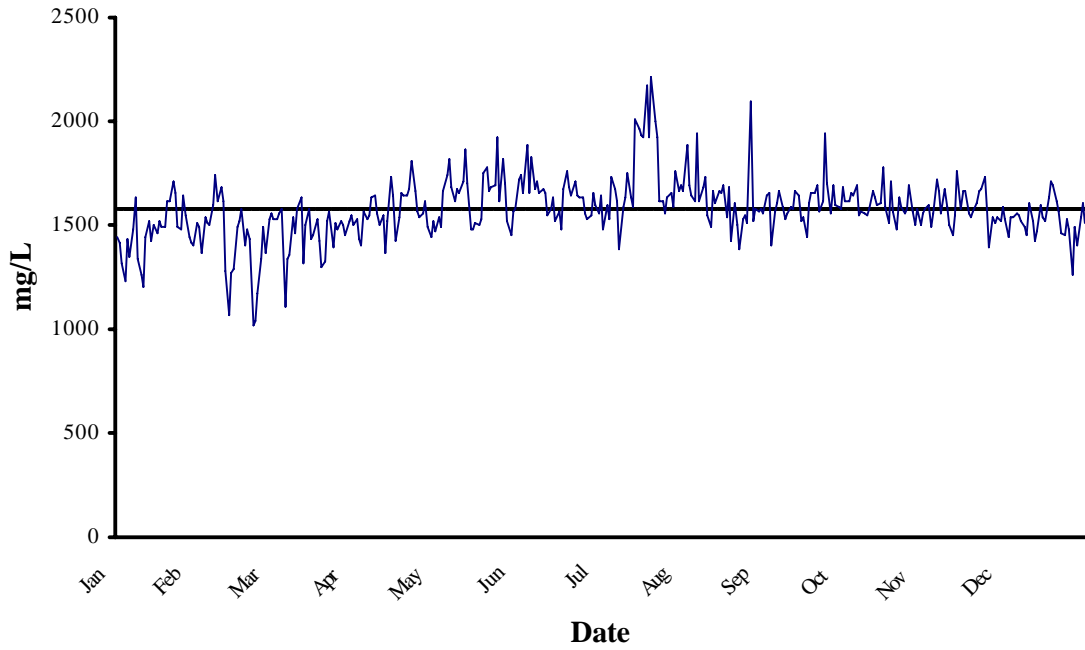
# Point Loma Wastewater Treatment Plant 2005 BOD Removal (%) Systemwide



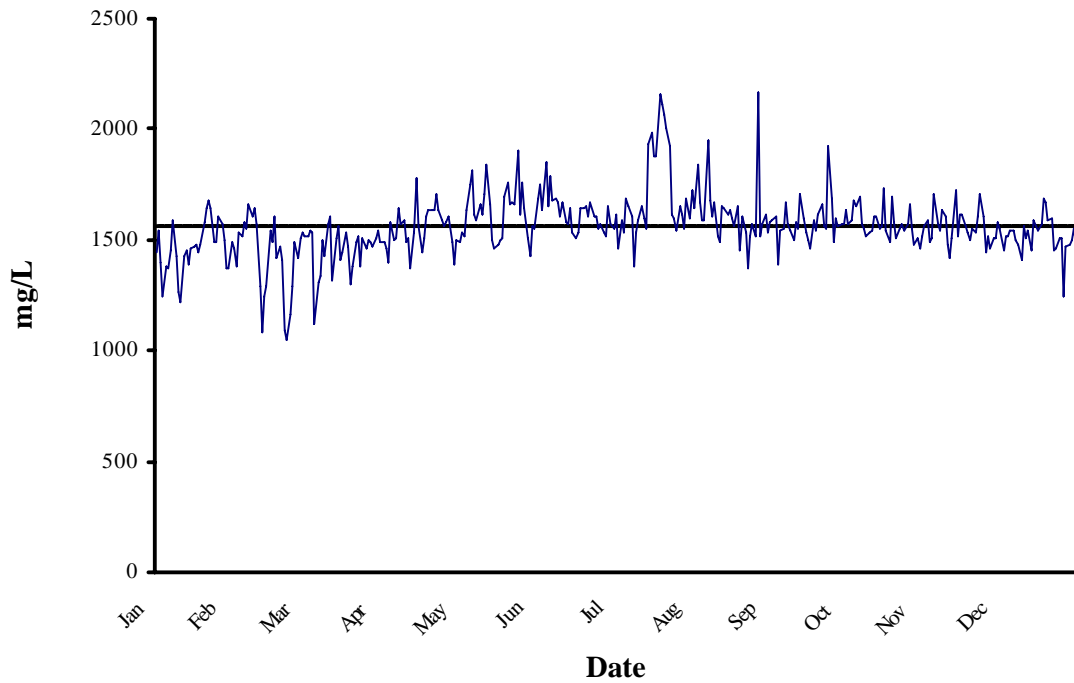
**Point Loma Wastewater Treatment Plant**  
**2005 Biochemical Oxygen Demand Removals (%) Systemwide**

Day	Jan % Rem	Feb % Rem	Mar % Rem	Apr % Rem	May % Rem	Jun % Rem	Jul % Rem	Aug % Rem	Sep % Rem	Oct % Rem	Nov % Rem	Dec % Rem
1	65.0	68.0	60.3	60.8	62.9	62.3	55.0	55.0	62.3	63.5	67.7	62.5
2	63.8	59.0	62.8	55.5	60.5	56.8	55.6	63.7	59.3	60.4	63.5	62.1
3	60.0	57.3	60.8	62.7	66.3	54.4	61.8	60.3	63.5	60.7	63.1	60.4
4	68.1	58.9	58.3	63.4	58.4	56.9	57.4	59.0	63.1	68.3	58.4	61.2
5	66.2	59.1	65.2	65.5	58.0	54.3	58.7	62.9	66.7	63.4	58.3	75.4
6	61.4	56.0	60.1	58.6	57.0	53.1	54.0	62.1	65.7	57.6	58.2	63.1
7	62.3	59.5	61.5	60.1	55.2	59.8	58.6	64.0	64.6	56.8	58.6	58.1
8	60.1	65.1	65.4	59.8	57.3	56.4	59.5	66.4	62.0	57.4	58.2	62.8
9	60.3	59.7	59.4	57.7	57.2	56.5	62.2	66.4	56.4	60.0	59.2	64.8
10	55.2	60.9	52.1	57.6	63.2	61.4	61.0	62.3	56.8	58.8	63.8	63.9
11	66.6	62.4	54.3	61.7	58.3	61.5	64.1	63.9	58.3	57.8	67.3	63.5
12	64.2	62.9	62.7	61.5	60.8	64.4	63.4	60.4	61.7	58.9	66.5	61.0
13	59.9	63.5	57.6	63.4	62.9	66.5	59.8	63.0	65.1	57.8	68.5	64.5
14	63.5	59.0	57.2	59.9	62.5	70.0	59.2	61.0	61.1	60.5	65.2	57.1
15	63.5	70.0	55.8	57.1	62.7	66.0	58.1	65.5	61.6	65.7	67.6	60.1
16	61.6	66.7	54.4	53.7	63.2	60.1	58.5	68.6	62.1	61.7	61.4	65.3
17	62.1	64.6	55.8	62.2	66.9	58.7	62.0	65.4	63.3	66.1	60.7	60.9
18	57.9	61.9	59.4	63.4	57.0	54.8	63.9	60.6	64.6	66.8	50.1	63.8
19	60.0	62.7	60.8	66.6	59.4	53.2	60.6	62.6	66.7	55.9	55.9	64.2
20	61.7	61.4	65.2	60.1	54.5	55.6	58.4	63.5	71.8	56.7	60.7	65.5
21	60.6	68.8	69.7	58.6	52.1	56.5	60.5	64.3	65.3	58.3	59.1	60.9
22	59.0	68.7	66.6	59.0	50.5	54.6	57.8	63.2	66.0	57.9	64.0	66.3
23	61.0	63.8	61.9	53.6	54.9	54.9	57.3	65.2	60.7	54.9	61.8	65.1
24	62.2	62.2	59.3	63.6	62.6	63.5	63.5	60.7	63.1	56.6	66.1	59.7
25	60.2	63.3	59.6	57.2	65.1	60.8	65.0	63.0	64.7	61.1	66.6	66.9
26	61.7	62.0	54.2	63.8	60.2	63.3	66.6	55.2	55.7	56.2	65.0	65.7
27	66.8	54.3	52.9	63.9	62.0	61.0	60.3	58.0	60.3	58.1	70.8	64.7
28	60.3	55.5	58.4	60.2	60.3	64.0	62.2	62.5	62.1	63.4	65.8	63.4
29	62.3		61.3	60.4	63.1	59.7	57.1	60.9	62.3	64.1	70.0	63.6
30	63.8		61.3	62.7	65.1	59.6	56.6	61.6	64.8	58.3	59.7	62.3
31	67.8		57.0		64.4		56.0	59.0		61.3		58.6
Avg	62.2	62.0	59.7	60.5	60.1	59.4	59.8	62.3	62.7	60.2	62.7	63.1
Min	55.2	54.3	52.1	53.6	50.5	53.1	54.0	55.0	55.7	54.9	50.1	57.1
Max	68.1	70.0	69.7	66.6	66.9	70.0	66.6	68.6	71.8	68.3	70.8	75.4

**Point Loma Influent  
2005 Total Dissolved Solids (mg/L)**



**Point Loma Effluent  
2005 Total Dissolved Solids (mg/L)**





**Point Loma Wastewater Treatment Plant  
2005 Total Dissolved Solids (mg/L)**

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	1440	1440	1490	1460	1530	1520	1530	1490	1470	1490	1720	1690	1560	1550	1690	1720	1560	1580	1680	1630	1580	1560	1530	1550
2	1410	1540	1370	1380	1530	1520	1430	1460	1540	1530	1740	1750	1640	1620	1660	1640	1640	1590	1620	1570	1600	1590	1440	1450
3	1320	1400	1540	1530	1560	1540	1400	1400	1490	1520	1650	1630	1480	1460	1880	1840	1650	1610	1620	1590	1490	1490	1540	1520
4	1230	1250	1510	1520	1580	1530	1570	1580	1660	1630	1880	1850	1600	1590	1690	1670	1400	1390	1650	1680	1560	1510	1540	1520
5	1430	1380	1500	1580	1110	1120	1530	1500	1740	1750	1650	1650	1530	1530	1640	1590	1570	1540	1640	1650	1720	1710	1560	1540
6	1350	1370	1600	1550	1340	1310	1550	1510	1820	1810	1830	1790	1730	1690	1620	1590	1610	1550	1690	1700	1660	1570	1550	1540
7	1480	1450	1740	1660	1360	1340	1630	1640	1680	1620	1670	1680	1670	1650	1940	1950	1660	1670	1550	1570	1560	1540	1520	1500
8	1630	1590	1620	1610	1540	1500	1640	1570	1620	1590	1710	1690	1620	1610	1620	1680	1590	1570	1570	1550	1670	1630	1490	1480
9	1340	1430	1680	1640	1460	1430	1560	1590	1670	1660	1650	1670	1380	1380	1680	1610	1530	1540	1560	1520	1590	1610	1450	1410
10	1260	1260	1620	1570	1580	1570	1500	1490	1650	1620	1670	1610	1590	1530	1730	1670	1560	1500	1550	1530	1500	1480	1610	1560
11	1200	1220	1280	1290	1630	1610	1550	1510	1710	1710	1650	1670	1630	1590	1550	1520	1590	1580	1580	1540	1450	1420	1520	1510
12	1440	1430	1070	1080	1320	1320	1370	1370	1870	1840	1550	1580	1750	1650	1490	1490	1580	1550	1660	1610	1550	1510	1420	1540
13	1520	1450	1270	1250	1500	1510	1520	1530	1700	1660	1580	1570	1630	1600	1660	1650	1660	1710	1630	1610	1760	1720	1470	1450
14	1420	1390	1290	1290	1580	1560	1730	1780	1480	1500	1630	1640	1590	1550	1610	1640	1640	1600	1600	1550	1580	1520	1600	1590
15	1500	1460	1490	1540	1430	1410	1640	1560	1480	1460	1520	1530	2010	1930	1660	1620	1520	1530	1610	1560	1660	1620	1540	1560
16	1460	1470	1520	1490	1450	1440	1420	1440	1510	1480	1570	1510	1960	1990	1650	1630	1540	1500	1780	1730	1660	1620	1520	1540
17	1520	1480	1580	1610	1530	1530	1540	1510	1500	1500	1480	1530	1930	1880	1690	1600	1440	1460	1590	1540	1560	1560	1630	1570
18	1490	1440	1400	1420	1420	1470	1650	1610	1530	1510	1670	1640	1920	1880	1540	1560	1610	1590	1510	1490	1540	1530	1710	1690
19	1490	1480	1480	1470	1300	1300	1640	1630	1750	1700	1760	1640	2170	2160	1680	1650	1650	1540	1710	1700	1570	1500	1690	1670
20	1620	1580	1430	1410	1330	1380	1640	1630	1780	1760	1680	1650	1920	2110	1420	1450	1650	1620	1570	1580	1610	1550	1620	1590
21	1620	1640	1020	1090	1520	1490	1670	1630	1660	1660	1640	1610	2210	2070	1610	1610	1690	1660	1480	1510	1660	1530	1570	1600
22	1710	1680	1040	1050	1570	1520	1810	1710	1680	1670	1710	1670	2000	2000	1500	1530	1570	1560	1630	1550	1670	1610	1460	1450
23	1650	1640	1170	1160	1390	1380	1660	1630	1690	1660	1640	1610	1920	1920	1380	1370	1620	1550	1590	1570	1730	1710	1450	1460
24	1490	1490	1340	1290	1510	1510	1570	1590	1920	1900	1630	1610	1620	1620	1530	1520	1940	1920	1560	1540	1580	1610	1530	1510
25	1480	1490	1490	1490	1480	1460	1540	1560	1620	1620	1630	1550	1620	1600	1550	1570	1700	1690	1580	1570	1390	1440	1480	1510
26	1640	1610	1370	1420	1520	1500	1560	1580	1820	1760	1560	1570	1560	1540	1510	1520	1560	1490	1690	1660	1540	1520	1260	1250
27	1550	1570	1530	1510	1500	1490	1620	1610	1700	1640	1530	1530	1630	1650	2100	2170	1690	1600	1570	1550	1510	1460	1490	1470
28	1440	1500	1560	1530	1450	1470	1490	1490	1520	1510	1550	1520	1650	1620	1520	1520	1600	1560	1500	1480	1540	1510	1400	1480
29	1410	1370			1520	1510	1440	1390	1450	1430	1650	1650	1590	1550	1580	1570	1590	1570	1580	1510	1520	1510	1540	1500
30	1400	1370			1550	1540	1520	1500	1570	1560	1600	1570	1760	1690	1570	1620	1580	1570	1500	1460	1590	1580	1610	1550
31	1510	1490			1500	1490			1580	1550			1660	1600	1580	1530			1560	1520			1510	1490
Avg	1466	1463	1429	1425	1471	1460	1564	1550	1641	1623	1647	1629	1727	1704	1630	1623	1606	1580	1600	1575	1587	1557	1524	1518
Min	1200	1220	1020	1050	1110	1120	1370	1370	1450	1430	1480	1510	1380	1380	1380	1370	1400	1390	1480	1460	1390	1420	1260	1250
Max	1710	1680	1740	1660	1630	1610	1810	1780	1920	1900	1880	1850	2210	2160	2100	2170	1940	1920	1780	1730	1760	1720	1710	1690

## Toxicity Testing: Point Loma Ocean Outfall 2005

### INTRODUCTION

The City of San Diego conducts aquatic bioassays as required by the City's National Pollutant Discharge Elimination System permit (No. CA0107409 and Order No. 2002-0025). The permit was adopted by the California Regional Water Quality Control Board on April 10, 2002. This testing is designed to determine the acute and chronic toxicity of effluent samples collected from the Point Loma Wastewater Treatment Plant. This chapter presents summaries and discussion of toxicity testing conducted in 2005.

Toxicity testing of wastewater effluent measures the bioavailability of toxicants in a complex mixture, accounts for synergistic and antagonistic actions, and integrates any potentially adverse effects of the constituents. Acute and chronic toxicity tests are characterized by the duration of exposure to a toxicant as well as the adverse effect (measured response) produced as the result of exposure to a toxicant. Acute toxicity testing consists of a short-term exposure period, usually 96 hours or less, and the acute effect refers to mortality of the test organism.

Chronic toxicity testing, in the classic sense, refers to long-term exposure of the test organism to a potential toxicant. This may involve exposing the test organism for its entire reproductive life cycle, which may exceed 12 months for organisms such as fish. In general, chronic tests are inherently more sensitive to toxicants than acute tests in that adverse effects are detected at lower toxicant concentrations. The City of San Diego is required to conduct critical/early life stage chronic tests that are intermediate between the acute and chronic toxicity testing protocols discussed above. These test results serve as short-term estimates of chronic toxicity.

### MATERIALS & METHODS

#### Test Material

Twenty-four hour, flow-weighted, composite effluent samples were collected at the Point Loma Wastewater Treatment Plant and stored at 4° C until test initiation. All tests were initiated within 36 hours of sample collection. The acute toxicity test concentrations were 3.87, 7.75, 15.5, 31.0, and 62% (nominal) for the topsmelt and mysid tests. Dilution water for the acute topsmelt and mysid tests consisted of the same receiving water used in the chronic toxicity tests.

Chronic toxicity test concentrations were 0.15, 0.27, 0.49, 0.88, and 1.56% effluent. The protocols for the chronic bioassays specify the use of unimpacted receiving water as dilution water. Receiving water was collected at City of San Diego monitoring station B8 and used within 96 hours of collection. The receiving water samples were collected from a depth of 2 m and stored at 4 °C until test initiation. The station coordinates are as follows:

Collection Location	Latitude/Longitude	Depth (m)
B-8	32E 45.50' N, 117E 20.77' W	88.4

Dilution water for reference toxicant testing was obtained from the Scripps Institution of Oceanography (SIO), filtered, held at 4 °C, and used within 96 hours of collection. Detailed methodology for all toxicity testing is described in the City Bioassay Lab Quality Assurance Manual (City of San Diego 2000).

## Acute Bioassays

### ***Mysid Survival Bioassay***

The mysid acute bioassay was conducted in accordance with USEPA protocol EPA/600/4-90/027F (USEPA 1993). Larval *Mysidopsis bahia* (4-5 days old) were purchased from Aquatic Bio Systems (Fort Collins, CO), and were exposed for 96 hours in a static-renewal system to 3.83, 7.75, 15.5, 31.0, and 62% effluent (nominal). The test solutions were renewed at 48 hours.

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. Test concentrations consisted of 56, 100, 180, 320, and 560 µg/L copper. Dilution water for reference toxicant testing was obtained from SIO, filtered, held at 4 °C, and used within 96 hours of collection. Upon conclusion of the exposure period, percent survival was recorded. Tests were declared valid if control mortality did not exceed 10%. The data were analyzed using a multiple comparison procedure and point estimation method prescribed by USEPA (1993). ToxCalc software (Tidepool Scientific Software 2002) was used for all statistical analyses.

## Chronic Bioassays

### ***Kelp Germination and Growth Test***

Chronic bioassays using the giant kelp, *Macrocystis pyrifera*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Kelp zoospores were kept in a static system and exposed for 48 hours to a series of effluent and reference toxicant concentrations. Zoospores were obtained one day prior to test initiation from the reproductive blades (sporophylls) of adult *Macrocystis* plants collected in the kelp beds near La Jolla, California.

Simultaneous reference toxicant testing was performed using reagent grade copper chloride. The concentrations of copper in the exposure series were 5.6, 10, 18, 32, 56, 100, and 180 µg/L. A reference toxicant control consisting of SIO dilution water was also tested. Upon conclusion of the exposure period, percent germination and germ-tube length were recorded.

The data were analyzed in accordance with “Flowchart for statistical analysis of giant kelp, *Macrocystis pyrifera*, germination data” and “Flowchart for statistical analysis of giant kelp, *Macrocystis pyrifera*, growth data” (see USEPA 1995). ToxCalc software (Tidepool Scientific Software 2002) was used for all statistical analyses.

### ***Red Abalone Development Bioassay***

Chronic bioassays using the red abalone, *Haliotis rufescens*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Test organisms were purchased from Cultured Abalone (Goleta, California), and shipped via overnight delivery to the City’s bioassay laboratory. Mature male and female abalone were placed in separate natural seawater tanks at 15 °C. Prior to test initiation, spawning was induced and abalone eggs and sperm were retained for the analysis. Subsequently, the eggs were fertilized, and a known quantity of fertilized embryos was added to each test replicate at the beginning of the 48-hour exposure period.

Simultaneous reference toxicant testing was performed using reagent grade zinc sulfate. The concentrations of zinc in the exposure series were 10, 18, 32, 56, and 100 µg/L. A reference toxicant control consisting of SIO dilution water was also tested. Upon conclusion of the exposure period, percent normal embryo development was recorded.

The percentage of normally developed embryos for each replicate was arcsine square root transformed. The data were analyzed in accordance with “Flowchart for statistical analysis of red abalone *Haliotis rufescens*,

development data” (see USEPA 1995). ToxCalc software (Tidepool Scientific Software 2002) was used for all statistical analyses.

### ***Topsmelt Survival and Growth Bioassay***

Chronic bioassays using larvae of the topsmelt, *Atherinops affinis*, were conducted in accordance with USEPA protocol EPA/600/R-95/136 (USEPA 1995). Topsmelt larvae were purchased from Aquatic Bio Systems (Fort Collins, CO), and shipped via overnight delivery to the City’s bioassay laboratory. Prior to test initiation, the test organisms were held in seawater tanks and gradually acclimated to test temperature and salinity. The bioassays were subsequently initiated when the topsmelt larvae were 9-14 days old. Larval fish were then exposed to a series of effluent and reference toxicant concentrations for a period of seven days while being maintained in a static-renewal system. The test solutions were renewed daily.

Reference toxicant testing was performed using reagent grade copper chloride. The concentrations of copper in the exposure series were 32, 56, 100, 180, and 320 µg/L. A separate control consisting of SIO dilution water was also tested. Upon conclusion of the exposure period, the percent survival and the percent growth (i.e., weight gain) of larval fish were recorded.

The survival data were arcsine square root transformed and then analyzed in accordance with the “Flowchart for statistical analysis of the topsmelt, *Atherinops affinis*, larval survival data” (USEPA 1995). Growth data were analyzed in accordance with the “Flowchart for statistical analysis of the topsmelt, *Atherinops affinis*, larval growth data” (USEPA 1995). ToxCalc software (Tidepool Scientific Software 2002) was used for all statistical analyses.

## **RESULTS & DISCUSSION**

### **Acute Bioassays**

In accordance with Order No. R9-2002-0025, the City conducted three side-by-side acute screening bioassays in 2003-2004 using both the topsmelt (*Atherinops affinis*) and the mysid (*Mysidopsis bahia*) as test organisms. Based on the findings from these three events, the City elected to use the mysid, which exhibited greater sensitivity than the topsmelt, for all subsequent acute toxicity testing. In 2005, all acute toxicity test were conducted using the mysid, and all tests met the acceptability criterion of >90% control survival and all tests demonstrated compliance with permit standards (Table T.1).

### **Chronic Bioassays**

Chronic bioassays on effluent samples were conducted monthly using both kelp and abalone, since the giant kelp has been the most sensitive species historically, and the red abalone remains ecologically important to the region. In addition, the sensitivity of the chronic test species (giant kelp, red abalone, and topsmelt) was verified in April 2005 during a biennial screening event. The screening results were consistent with previous findings; therefore, the City will continue to monitor chronic effluent toxicity with both kelp and abalone.

The results from all 2005 chronic bioassays are summarized in Table T.2. All tests met the acceptability criteria and the compliance limits with the exception of the growth endpoint of the December giant kelp bioassay, which exceeded the compliance limit. In accordance with Order No. R9-2002-0025, the City initiated accelerated testing on a bi-weekly schedule in January 2006.

## LITERATURE CITED

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**TABLE T.1**

Results and compliance summary of acute bioassays conducted during 2005. Data are presented in toxic unit acute (TUa) values. The California Ocean Plan compliance limit is 6.5 TUa.

Sample Date	Mysid 96-Hour Bioassay
	<b>96-hr Static-Renewal</b>
20-Mar	3.0
17-Jul	3.3
N	2
No. in compliance	2
Mean TUa	3.2

**TABLE T.2**

Results of chronic toxicity testing of Point Loma Wastewater Treatment Plant effluent from January through December 2005. Data are presented in toxic unit chronic (TUc) values. NPDES permit limit is 205 TUc. N.V. = Not valid

Sample Date	Giant Kelp		Red Abalone	Topsmelt	
	Germination	Growth	Development	Survival	Growth
18-Jan	64	64	64	-	-
09-Feb	-	-	64	-	-
22-Feb	64	64	-	-	-
14-Mar	-	-	64	-	-
20-Mar	64	64	-	-	-
04-Apr	64	64	64	64	64
02-May	64	64	-	-	-
23-May	-	-	64	-	-
06-Jun	64	64	64	-	-
11-Jul	64	64	64	-	-
01-Aug	-	-	64	-	-
22-Aug	64	64	-	-	-
13-Sep	114	64	64	-	-
03-Oct	64	64	64	-	-
01-Nov	114	64	64	-	-
05-Dec	-	-	64	-	-
19-Dec	114	>667	-	-	-
N	12	12	12	1	1
No. in compliance	12	11	12	1	1
Mean TUc	76.5	114	64	64	64

E. 6-Year Tables.

Results of the determination of selected parameters on a weekly basis for the past 6-years.

ARSENIC (ug/L) 2000																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	1.4	0.6	1.6	0.9	1.1	1.2	1.5	0.8	2.1	<0.2	0.3	<0.2	1.2	0.7	1.2	0.9	1.2	1	1.3	1.1	1.6	0.9	1	0.4
2	1.5	0.7	1.4	1	1.2	0.8	1.5	0.9	1.5	<0.2	1.4	1.1	1.5	0.8	1.1	1	1.3	1	1.3	0.8	1.2	1.1	1.2	0.7
3	1.3	0.8	1.5	1.1	0.9	0.7	1.4	0.9	2.3	0.2	1.1	0.9	1.3	0.8	1	0.7	0.8	0.7	1.4	1	1.3	0.9	1	0.7
4	1.2	0.7	1.4	0.8	1.1	0.6	1.1	0.6	0.2	0.7	1.5	0.8	1.3	1.2	2.2	1.4			1.5	1.1	0.9	0.8	1.2	0.9
Avg	1.3	0.8	1.5	0.9	1.1	0.8	1.5	0.9	1.5	0.2	1.1	0.7	1.3	0.9	1.8	1.1	1.1	0.9	1.4	1	1.2	0.9	1.1	0.7

ARSENIC (ug/L) 2001																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	1.1	0.7	1.3	0.8	1.3	1	0.9	<0.2	1.2	0.8	4.3	1	1.2	0.7	1.6	1.1	1.6	1.1	2	0.9	1	1.1	1.7	0.9
2	1.5	0.8	1.5	0.9	0.7	1	0.7	0.5	1.2	1	1.1	0.7	1.1	0.7	1.4	0.9	0.7	1.2	1	0.3	1.7	1.1	1.3	0.6
3	0.8	0.6	0.9	0.6	1.1	<0.2	1.1	0.6	1	1	1.4	1	1.3	0.9	1.6	1.1	1.4	0.8	1.1	1	1.8	1.1	1.1	0.8
4	1.4	1			0.6	0.4	0.8	0.4	1.2	0.8	1.4	1			1.5	1.1	0.6	0.2	1.5	1.1	1.5	0.9	1.4	0.8
Avg	1.2	0.8	1.2	0.8	0.9	0.6	0.9	0.4	1.1	0.9	2.1	0.9	1.2	0.8	1.5	1.1	1.1	0.8	1.4	0.8	1.5	1	1.3	0.8

ARSENIC (ug/L) 2002																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	0.88	0.65	1.4	0.89	1.1	0.62	1.6	1.54	1.2	1.14	1.74	0.98	2.31	1.89	1.23	1.17	1.73	1.72	1.86	1.52	1.87	1.56	1.29	0.91
2	1.33	0.84	1.72	0.92	1.16	0.9	0.99	0.57	1.83	1.34	1.53	0.9	2.96	2.34	2.76	2.25	2.18	1.95	1.06	0.74	1.88	1.58	2.73	2.36
3	1.21	1.09	1.05	0.65	0.61	0.69	1.57	1.59	2.34	1.56	2.84	2.74	2.65	1.74	2.13	1.14	1.87	1.55	1.86	1.74	1.12	0.75	1.53	1.02
4			1.38	1.13	0.72	0.82	1.14	0.66			1.44	1.06	1.83	1.46	2.81	1.87	1.2	0.81	2.33	2.41			1.52	0.76
Avg	1.14	0.86	1.39	0.9	0.9	0.76	1.33	1.09	1.79	1.35	1.89	1.42	2.44	1.86	2.23	1.61	1.75	1.51	1.78	1.6	1.62	1.3	1.77	1.26

ARSENIC (ug/L) 2003																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	1	0.75	1.3	0.69	1.37	0.86	1.04	0.55	2.49	2.44	2.03	1.32	0.72	<0.40	1.87	1.84	1.56	1.72	1.13	0.86	1.06	0.62	1.84	2.1
2	1.89	1.27	2.12	1.3	3.06	0.7	2.26	2.07	1.99	1.37	1.91	1.38	0.86	0.76	1.66	1.86	1.22	1.01	1.55	0.98	2.77	2.06	0.92	0.72
3	1	0.48	1.79	1.53	1.6	0.93	2.78	1.78	2.98	2.16	0.99	0.64	0.97	0.59	1.47	1.62	2.82	2.13	1.68	1.48	1.22	1.11	1.57	1.7
4	1.77	1.1	1.99	1.03	1.71	1.83	1.83	1.35	1.76	1.34	1.28	1.24	1.24	0.76	0.79	2.19	2.1	0.88	2.19	2.1	0.88	0.67	1.97	1.93
Avg	1.42	0.9	1.8	1.14	2.01	0.83	1.95	1.56	2.32	1.83	1.67	1.17	0.96	0.65	1.44	1.53	1.87	1.62	1.64	1.36	1.48	1.12	1.58	1.61

ARSENIC (ug/L) 2004																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	1.05	0.84			1.42	0.84	1.45	1.38	1.93	2.36	1.09	1.11	1.4	1.04	0.83	<0.40	2.24	1.06	1.32	0.86	1.56	0.91	2.18	1.25
2	2.13	1.32	1.2	0.68	2.15	1.44	1.07	0.51	1.1	1.45	1.9	1.28	0.99	0.63	0.62	NA	1.7	1.42	1.31	1.27	1.09	0.68	1.59	1.28
3	2.05	1.88	0.77	ND	2.16	1.89	1.83	1.32	1.41	0.88	1.84	1.2			1.75	1.38	1.02	0.69	2.73	1.76	1.36	0.99	1.71	1.57
4	2.3	1.7	2.57	1.29	0.99	0.46	1.49	0.9	1.25	1.37	2.06	1.22	1.26	0.89	1.64	1.24	1.29	1.17	3.68	1.82	0.96	0.72	1.92	0.88
Avg	1.88	1.44	1.51	0.66	1.68	1.16	1.46	1.03	1.42	1.52	1.72	1.2	1.22	0.85	1.21	0.87	1.56	1.09	2.26	1.43	1.24	0.83	1.85	1.25

ARSENIC (ug/L) 2005																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1			1.35	2.31	3.93	1.38	2.13	1.49			1.94	1.14	1.28	0.71	2.13	1.6	1.1	0.51	1.68	0.53			1.71	1.13
2	3.22	1.88	1.53	0.67	1.78	1.26	2.1	1.37	2.79	1.79	1.04	0.68	1.29	0.74	1.03	0.64	1.66	1.33	1.09	0.5	3.41	1.83	1.07	0.47
3	1.58	0.89	1.88	0.94	1.32	0.87	2.12	0.99	1.06	0.49	1.63	1.36	1.75	1.61	1.06	0.53	1.82	1.25	1.87	1.26	2.56	2.07	0.87	ND
4	1.23	1.04	2.85	1.46	1.96	1.83	1.26	0.66	1.89	1.66	1.11	0.45	1.99	1.82	0.97	0.74	2.89	2.38	1.13	0.66	1.22	0.83	1	0.43
Avg	2.01	1.27	1.9	1.35	2.25	1.34	1.9	1.13	1.91	1.31	1.43	0.91	1.58	1.22	1.3	0.88	1.87	1.37	1.44	0.74	2.4	1.58	1.15	0.51



CADMIUM (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	1	1.1	1.7	<1.0	1	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	1.3	<1.0	1.6	<1.0	<1.0	<1.0
2	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	1.5	1.5	<1.0	<1.0	1.7	<1.0	1.4	<1.0	<1.0	<1.0
3	1.2	<1.0	1	<1.0	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	1.4	<1.0	1.3	<1.0	<1.0	<1.0	1.2	<1.0	2.8	<1.0
4	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	14.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0
Average	1.3	0.3	0.7	<1.0	0.8	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	0.4	0.7	0.4	0.4	0.5	0.8	0.4	<1.0	<1.0	0.7	<1.0

CADMIUM (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2	<1.0	<1.0	2.8	<1.0	<1.0	2.2	1.3	<1.0	2.8	<1.0	2.2	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3	<1.0	2.5	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	2.8	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4	<1.0	<1.0	<1.0	<1.0	2.3	1.4	<1.0	2.5	<1.0	1.8	1.3			2.8	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0
Average	<1.0	0.6	1.8	<1.0	<1.0	1.1	0.7	<1.0	2.6	0.7	1	0.3	<1.0	<1.0	1.6	0.3	<1.0	<1.0	<1.0	<1.0	<1.0	0.4	<1.0	<1.0

CADMIUM (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	1.3	<1.0	<1.0	<1.0	2.5	<1.0	2.1	<1.0	<1.0	<1.0	1.3	1.6	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0
2	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	3.8	<1.0	<1.0	<1.0	<1.0	1.4	1.6	<1.0	<1.0
3	1	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	1.2	<1.0	2.2	<1.0	1.5	2.4	<1.0	<1.0	1	<1.0	1.2	1.8	1.7	<1.0
4			1.5	<1.0	<1.0	<1.0	2.5	1.8			<1.0	<1.0	<1.0	3.4	<1.0	4.5	<1.0	<1.0	1.1	<1.0			<1.0	<1.0
Average	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	0.6	<1.0	1.6	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0

CHROMIUM (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	ND	<5.0	17.3	ND	8.1	ND	6.1	ND	10	<5	<5.0	<5.0	<5.0	ND	11.8	7.5	ND	ND	8.1	5.7	ND	ND	ND	ND
2	<5.0	ND	6.1	ND	6.5	ND	6.9	ND	<5.0	ND	<5.0	<5.0	6	<5.0	10.5	<5.0	ND	ND	5.2	ND	6.7	ND	14.2	ND
3	20.1	ND	7.9	ND	6.8	ND	ND	<5.0	5.9	ND	8.7	ND	11.5	13.6	<5.0	<5.0	ND	ND	ND	ND	5.8	9.6	9.5	ND
4	9.2	ND	<5.0	ND			20.7	ND	8.2	ND	<5.0	ND	9.5	<5.0	13.4	<5.0			ND	ND	ND	ND	8.9	<5.0
Avg	7.3	0	7.8	ND	7.1	ND	8.4	0	6	ND	2.2	0	6.8	3.4	8.9	1.9	ND	ND	3.3	1.4	3.1	2.4	8.2	0

CHROMIUM (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	10.4	ND			ND	ND	5.5	ND	ND	ND	5.8	2	16.4	2.7	7.5	4.3	5.6	2	5.7	1.4	6.5	0.9	5.6	2.1
2	ND	ND	7.1	ND	7.2	ND	13.8	ND	19.1	ND	12	1.7	7.9	1.9	17.5	20.6	4.5	4.3	9.2	2.5	6.1	1.8	7.8	1.7
3	ND	ND	10.3	ND	6.3	ND	16.5	ND	ND	ND	10	1.4		6.4	17.1	5.6	1.6	14.4	4.5	6.1	1.7	6	1.6	
4	8.4	ND	6.2	<5.0	ND	ND	ND	ND	11.7	5.5	1.5	6.1	6.1	22.2	2.6	4.5	1.7	5.5	1.8	4.9	1.6	4.5	1	
Avg	4.6	ND	7.9	0	3.4	ND	8.9	ND	4.8	2.9	8.3	1.7	10.1	3.6	13.4	11.2	5.1	2.4	8.7	2.6	5.9	1.5	6	1.6

CADMIUM (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			0.3	ND	0.2	0.5	ND	ND	ND	ND	1	0.6	0.3	ND	0.7	0.4	ND	ND	0.6	ND	ND	ND	ND	ND
2	0.3	0.2	ND	0.5	0.3	ND	ND	ND	0.4	ND	0.6	0.8	0.4	ND	0.4	<0.2	0.6	ND	0.3	ND	ND	ND	ND	ND
3	ND	0.4	1.3	ND	0.5	0.2	ND	ND	0.3	ND	1.1	0.6	0.3	ND	0.4	ND	0.4	ND	0.3	ND	0.6	ND	ND	ND
4	ND	ND	0.9	0.69	0.5	0.4	ND	ND	0.5	0.2	0.7	0.5	0.3	ND	0.3	ND	0.5	ND	ND	ND	0.7	0.6	ND	ND
Average	0.1	0.2	0.6	0.4	0.4	0.3	ND	ND	0.4	0.1	0.9	0.6	0.3	ND	0.5	0.1	0.4	ND	0.3	ND	0.4	0.2	ND	ND

CHROMIUM (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	6	<5	<5	<5	<5	<5	14	<5	11	<5	12	<5	<5	<5	6	<5	8	<5	7	<5	6	<5	15	<5
2	8	<5	<5	<5	<5	<5	7	<5	9	<5	7	<5	<5	<5	<5	<5	11	<5	13	<5	9	<5	16	<5
3	10	<5	8	<5	<5	<5	7	<5	9	<5	8	<5	<5	30	9	<5	11	<5	7	<5	<5	<5	16	9
4	<5	<5	<5	<5	<5	<5	<5	<5	13	<5	10	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	17	7
Average	6	<5	2	<5	<5	<5	9	<5	10	<5	9	<5	<5	7	6	<5	10	<5	7	<5	<5	<5	16	4

CHROMIUM (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	15	32	16	12	<5	<5	<5	<5	11	<5	8	<5	<5	<5	5	<5	14	<5	8	<5	15	<5	<5	<5
2	9	9	<5	<5	9	<5	<5	<5	<5	<5	11	<5	12	<5	6	<5	7	<5	<5	<5	<5	<5	<5	<5
3	<5	8	<5	<5	7	<5	<5	<5	11	<5	9	<5	11	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5
4	16	21			11	6	<5	<5	6	<5	<5	6		<5	<5	6	<5	8	<5	<5	<5	<5	<5	<5
Average	11	18	5	4	7	2	<5	<5	7	<5	7	1	8	<5	3	<5	7	<5	<5	<5	4	<5	<5	<5

CHROMIUM (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	6.3	<5	<5	<5	6.8	<5	<5	<5	<5	<5	9.1	<5	<5	<5	<5	<5	<5	<5	<5	<5	9.3	<5	8.3	<5
2	8.3	<5	<5	<5	7.4	<5	9.7	<5	<5	<5	7.8	<5	8.9	7.2	8	<5	<5	<5	<5	<5	6.5	<5	7.2	<5
3	5.4	<5	<5	<5	<5	<5	7.1	<5	8.8	<5	13.7	<5	6.8	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.1	<5
4			6	<5	<5	<5	<5	<5		6.7	<5	<5	<5	<5	11.4	<5	<5	<5	<5	<5			<5	<5
Average	6.7	<5	<5	<5	<5	<5	<5	<5	<5	9.3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.3	<5	5.4	<5

CHROMIUM (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	ND	<5.0	17.3	ND	8.1	ND	6.1	ND	10	<5	<5.0	<5.0	<5.0	ND	11.8	7.5	ND	ND	8.1	5.7	ND	ND	ND	ND
2	<5.0	ND	6.1	ND	6.5	ND	6.9	ND	<5.0	ND	<5.0	<5.0	6	<5.0	10.5	<5.0	ND	ND	5.2	ND	6.7	ND	14.2	ND
3	20.1	ND	7.9	ND	6.8	ND	ND	<5.0	5.9	ND	8.7	ND	11.5	13.6	<5.0	<5.0	ND	ND	ND	ND	5.8	9.6	9.5	ND
4	9.2	ND	<5.0	ND			20.7	ND	8.2	ND	<5.0	ND	9.5	<5.0	13.4	<5.0			ND	ND	ND	ND	8.9	<5.0
Avg	7.3	0	7.8	ND	7.1	ND	8.4	0	6	ND	2.2	0	6.8	3.4	8.9	1.9	ND	ND	3.3	1.4	3.1	2.4	8.2	0

CHROMIUM (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	10.4	ND			ND	ND	5.5	ND	ND	ND	5.8	2	16.4	2.7	7.5	4.3	5.6	2	5.7	1.4	6.5	0.9	5.6	2.1
2	ND	ND	7.1	ND	7.2	ND	13.8	ND	19.1	ND	12	1.7	7.9	1.9	17.5	20.6	4.5	4.3	9.2	2.5	6.1	1.8	7.8	1.7
3	ND	ND	10.3	ND	6.3	ND	16.5	ND	ND	ND	10	1.4			6.4	17.1	5.6	1.6	14.4	4.5	6.1	1.7	6	1.6
4	8.4	ND	6.2	<5.0	ND	ND	ND	ND	ND	11.7	5.5	1.5	6.1	6.1	22.2	2.6	4.5	1.7	5.5	1.8	4.9	1.6	4.5	1
Avg	4.6	ND	7.9	0	3.4	ND	8.9	ND	4.8	2.9	8.3	1.7	10.1	3.6	13.4	11.2	5.1	2.4	8.7	2.6	5.9	1.5	6	1.6

CHROMIUM (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			5.1	2.3	3.5	2.2	5.2	23.4			5.2	4	4.7	0.9	4.5	2.1	5.2	23	4.1	ND			3.5	1.2
2	4.7	1.8	7.6	2.1	3.6	2.6	7	1.3	5.8	2.2	5.4	5.6	3.9	1.2	4.5	1.2	8.6	1.6	4.8	0.2	11.6	1.9	3.9	ND
3	3.2	0.2	6.5	1.2	4.4	1	5.1	2.9	3.7	1.7	5.6	5.6	2.6	1.9	5.4	1.1	3.4	1.3	4.5	ND	4.8	5.6	2.9	0.3
4	4.5	1.3	3.6	2.9	4.7	1.9	5.1	2.1	7.2	6.8	6.6	3.9	5.3	2.1	3.4	0.4	4.2	1.1	4	ND	3.4	1.3	5.1	0.6

COPPER (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	150	49	158	58	206	47	88	32	215	45	203	95	156	199	156	52	280	74	137	60	209	106	167	155
2	153	60	125	51	154	72	185	29	219	59	139	133	73	213	191	133	192	56	291	66	215	150	135	67
3	115	47	157	73	164	56	198	93	131	41	147	53	210	366	162	48	133	39	217	149	137	83	204	58
4	127	75	107	57	180	79			169	120	250	52	197	98	174	66			201	85	188	147	157	51
Avg	136	58	137	60	176	64	157	51	184	66	185	83	159	219	171	75	202	56	212	90	187	122	166	83

COPPER (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	193	114	185	98	174	121	223	99	152	63	165	226	160	90	185	79	253	73	329	63	129	26	196	84
2	202	141	158	205	162	61	168	90	178	177	268	69	164	68	327	185	138	70	234	121	169	110	181	81
3	194	93	197	157	204	127	177	84	192	163	207	95	178	159	323	174	274	149	122	256	109	94	198	91
4	186	112			165	92	185	88	270	102	131	88			157	141	197	176	218	91	162	109	185	85
Avg	194	115	180	153	176	100	188	90	198	126	193	120	167	106	248	145	216	117	226	133	142	85	190	85

COPPER (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	140	49	126	42	256	185	156	59	130	39	139	107	174	115	120	39	117	44	127	51	202	38	159	60
2	194	49	223	72	243	45	161	46	190	101	139	76	252	67	144	65	156	219	179	89	199	134	159	89
3	246	83	140	154	144	122	135	45	104	92	143	41	231	29	197	75	119	76	143	78	153	77	143	45
4			140	100	129	63	141	91			147	120	110	82	199	94	92	73	206	49			105	20
Avg	193	60	157	92	195	104	148	60	141	77	142	86	192	73	165	68	121	103	164	67	185	83	142	54

COPPER (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	111	18	129	16	175	36	186	42	120	44	125	101	313	175	139	76	244	237	85	54	145	325	107	88
2	146	42	106	81	167	43	149	77	132	43	172	48	138	63	218	64	138	81	94	182	161	46	183	237
3	107	52	146	33	156	87	130	69	125	61	159	36	291	79	131	74	115	170	78	51	198	69	372	79
4	98	28	126	35			161	60	162	49	160	57	188	53	156	71			127	21	150	60	107	54
Avg	116	35	127	41	166	55	157	62	135	49	154	61	233	93	161	71	166	163	96	77	164	125	192	115

COPPER (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	144	49			121	40	158	47	107	86	95	54	105	56	93	29	100	43	113	22	116	51	115	27
2	127	61	202	118	140	47	169	44	169	91	125	65	97	28	145	52	124	25	90	30	106	30	123	21
3	118	61	181	24	134	110	133	48	124	17	103	47			127	31	74	29	100	26	99	23	146	22
4	131	29	91	51	231	82	134	38	82	19	116	32	83	29	144	34	77	28	73	24	103	20	82	23
Avg	130	50	158	64	157	70	149	44	121	53	110	50	95	38	127	37	94	31	94	26	106	31	117	23

COPPER (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			83	72	62	23	98	27			108	50	97	22	112	23	96	30	142	18			71	27
2	74	39	98	37	85	30	134	27	95	28	106	25	119	17	97	20	118	16	94	14	173	25	62	34
3	73	25	122	30	69	22	120	44	82	25	118	31	68	34	102	19	89	13	61	31	132	32	62	22
4	85	36	67	28	82	22	92	28	114	34	111	25	204	33	97	22	105	19	115	25	92	24	49	22
Avg	77	33	93	42	75	24	111	32	97	29	111	33	122	27	101	21	102	20	103	22	133	27	61	26

LEAD (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
2	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
3	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
4	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
Avg	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18

LEAD (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
2	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
3	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
4	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
Avg	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18

LEAD (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	22	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
2	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
3	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	25	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
4	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
Avg	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18

LEAD (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.5	ND	ND	ND	ND	<18	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<18	ND	ND	ND	ND	ND	ND	ND	18
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	<18	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Avg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	7.9	ND	ND	ND	0	0	ND	ND	ND	ND	ND	ND	4.5

LEAD (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND	3.2	ND	4.5	ND	4	ND	4.2	<1.4	2.8	ND
2	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	3.6	ND	4.7	ND	4.9	ND	2	ND	5.2	1.9	2.3	ND	ND	ND
3	ND	<18.0	ND	ND	ND	ND	ND	ND	ND	ND	5	1.9	ND	5.4	ND	2.3	ND	8.7	2	3	ND	3.3	ND	ND
4	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	6	ND	2.8	ND	6.3	ND	ND	4.1	ND	2.9	ND	2	ND	ND
Avg	6.3	0	ND	7.7	ND	ND	4.5	ND	ND	ND	3.7	0.5	4.5	ND	5	ND	3	ND	5.5	1.95	3.1	0	2	ND

LEAD (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			1.5	ND	ND	ND	ND	ND			2.1	<1.4	5	ND	3.5	ND	1.8	ND	4.7	ND			ND	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	4.3	ND	3.3	ND	3.4	ND	1.6	ND	4	ND	2.6	ND	2.3	ND	3.1	ND
3	ND	ND	ND	ND	ND	ND	ND	<1.4	2.9	ND	2.5	ND	2.8	ND	1.6	ND	3.9	ND	ND	ND	3.4	ND	ND	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	4.8	ND	3.3	ND	2.4	ND	ND	ND	6.1	ND	3.5	ND	5	ND	ND	ND
Avg	ND	ND	0.4	ND	ND	ND	ND	0	4	ND	2.8	0	3.4	ND	1.7	ND	4	ND	2.7	ND	3.6	ND	0.8	ND

NICKEL (ug/L) 2000																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<14	<14	<14	<14	<14	<14	<14	<14	19	15	<14	<14	<14	19	19	19	<14	<14	<14	15	<14	<14	<14	<14
2	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	16	19	31	72	<14	<14	30	<14	<14	<14	<14	<14
3	<14	<14	<14	<14	<14	<14	<14	16	<14	19	24	<14	<14	26	34	33	<14	<14	<14	<14	<14	<14	<14	<14
4	<14	<14	<14	<14	<14	<14	16	<14	19	<14	15	<14	16	<14	26	<14	<14	<14	<14	<14	<14	<14	<14	<14
Average	<14	<14	<14	<14	<14	<14	4	5	6	13	6	4	<14	13	16	28	26	<14	<14	11	<14	<14	<14	<14
NICKEL (ug/L) 2001																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<14	22	17	<14	<14	<14	<14	<14	17	<14	<14	<14	15	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
2	<14	15	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	29	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
3	<14	<14	21	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	18	<14	<14	<14	<14	<14	<14	<14
4	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
Average	<14	9	13	<14	<14	<14	<14	<14	4	<14	<14	<14	15	<14	<14	<14	5	<14	<14	<14	<14	<14	<14	<14
NICKEL (ug/L) 2002																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	20	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
2	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
3	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	17	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
4	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
Average	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
NICKEL (ug/L) 2003																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	<14	ND	<14	ND	ND	ND	ND	ND	34	ND	ND	<14	18	ND	ND	ND	<14	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<14	ND	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	<14	ND	<14	ND	<14	<14	ND	ND	<14	ND	<14	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	<14	<14	ND	<14	ND	ND	ND	ND	ND	<14	<14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Avg	0	ND	0	0	0	ND	0	0	9	ND	0	0	9	5	ND	ND	0	ND	ND	ND	ND	ND	ND	ND
NICKEL (ug/L) 2004																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	9	9	14	10	11	8	12	8	14	10	15	12	9	6
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	8	13	8	21	22	14	9	12	8	11	8	10	7
3	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	15	7			14	17	11	9	17	10	10	7	11	6
4	19	22	ND	<14	ND	ND	17	ND	ND	ND	9	8	12	10	20	10	10	7	13	9	8	6	8	6
Avg	10	6	ND	0	ND	ND	8	ND	ND	ND	12	8	13	9	17	14	12	8	14	9	11	8	10	6
NICKEL (ug/L) 2005																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			12	10	6	6	8	18			12	13	8	8	10	9	8	7	9	7			11	12
2		9	5	11	7	8	9	4	10	7	10	21	9	5	8	7	28	11	11	6	16	7	13	7
3	8	7	16	4	8	7	8	8	8	7	12	18	8	7	9	7	9	7	8	6	10	11	10	8
4	9	8	11	11	13	8	7	7	10	12	14	11	10	8	6	7	8	7	12	7	9	8	15	9
Average	9	8	11	9	9	7	8	9	9	9	12	16	9	7	8	8	13	8	10	7	12	9	12	9

MERCURY (ug/L) 2000																									
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	<0.27	<0.27	0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.86	<0.27	<0.27	<0.27	0.33	<0.27	<0.27	<0.27	<0.27	<0.27	0.71	<0.27	<0.27	<0.27	<0.27	<0.27
2	<0.27	<0.27	<0.27	<0.27	0.46	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.27	<0.27	<0.27	<0.27	<0.27
3	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.35	<0.27	0.38	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.37	<0.27	<0.27	<0.27	<0.27	<0.27
4	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27			0.46	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.4	<0.27
Average	<0.27	<0.27	0.14	<0.27	0.12	<0.27	0.12	<0.27	0.43	<0.27	<0.27	<0.27	0.08	<0.27	<0.27	<0.27	0.36	<0.27	0.27	0.07	<0.27	<0.27	<0.27	0.1	<0.27

MERCURY (ug/L) 2001																									
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.36	<0.27	<0.27	<0.27	0.46	<0.27	0.28	<0.27	0.39	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
2	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.42	<0.27	0.3	<0.27	<0.27	<0.27	0.34	<0.27	0.39	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
3	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.59	<0.27	0.34	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.32	<0.27	<0.27	<0.27
4	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.41	<0.27	0.29	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.47	<0.27	<0.27	<0.27
Average	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.36	<0.27	0.32	<0.27	<0.27	<0.27	0.2	<0.27	0.17	<0.27	0.1	<0.27	0.2	<0.27	<0.27	<0.27	<0.27

MERCURY (ug/L) 2002																									
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2	0.14	0.24	<0.09
2	0.31	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.31	0.1	<0.09	<0.09
3	0.42	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.32	<0.09	0.2	<0.09
4			<0.27	<0.27	<0.27	<0.27	<0.27	<0.27				<0.27	<0.27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			0.09	<0.09
Average	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.27	<0.27	<0.27	<0.27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.28	<0.09	0.13	<0.09

MERCURY (ug/L) 2003																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	0.25	ND	0.27	ND	0.51	ND	0.22	ND	ND	ND	0.23	ND	0.23	ND	0.22	ND	0.37	ND	ND	ND	0.12	ND	0.28	ND
2	0.13	ND	0.32	ND	0.11	ND	0.19	ND	0.64	0.2	0.16	ND	0.14	ND	0.25	ND	0.3	0.32	0.16	ND	0.31	ND	ND	ND
3	ND	ND	0.42	ND	0.51	ND	0.22	<0.09	1.14	0.7	0.27	ND	0.17	ND	0.14	ND	1.24	ND	0.15	ND	0.42	ND	ND	ND
4	0.11	ND	ND	ND			0.36	ND	0.2	ND	ND	ND	0.29	0.26	ND	ND		ND	ND	NA	NA	0.1	ND	
Avg	0.12	ND	0.25	ND	0.38	ND	0.25	0	0.5	0.23	0.17	ND	0.21	0.07	0.15	ND	0.64	0.11	0.08	ND	0.28	ND	0.1	ND

MERCURY (ug/L) 2004																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	ND	ND			0.38	ND	0.75	ND	0.23	ND	0.11	ND	0.22	ND	ND	0.11	ND	0.32	ND	0.41	ND	0.1	ND	
2	0.26	ND	0.11	ND	0.77	ND	0.19	ND	0.13	ND	0.17	ND	0.26	ND	0.19	ND	0.19	ND	0.14	ND	0.34	ND	0.16	ND
3	0.54	ND	ND	ND	0.2	ND	0.11	ND	ND	ND	0.23	ND		0.24	ND	0.14	ND	0.16	ND	ND	ND	0.15	ND	
4	0.24	ND	0.39	ND	0.18	ND	0.21	ND	0.11	ND	0.13	ND	0.19	ND	0.22	ND	ND	ND	0.15	ND	0.21	ND	ND	ND
Avg	0.26	ND	0.17	ND	0.38	ND	0.32	ND	0.12	ND	0.16	ND	0.22	ND	0.16	ND	0.11	ND	0.19	ND	0.24	ND	0.1	ND

MERCURY (ug/L) 2005																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1			0.62	ND	ND	ND	0.16	ND				0.3	ND	0.11	ND	0.12	ND	ND	ND	1.03	ND		0.15	ND
2	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	0.1	ND	0.22	ND	0.23	<0.09	0.23	ND	0.1	ND
3	ND	ND	0.27	ND	0.11	ND	0.19	ND	0.1	ND	0.25	ND	ND	0.16	ND	ND	ND	ND	0.39	ND	0.11	ND	0.3	ND
4	ND	ND	0.1	ND	ND	ND	ND	ND	0.71	ND	0.13	ND	0.89	ND	ND	ND	0.15	ND	0.21	ND	ND	ND	ND	ND
Average	ND	ND	0.28	ND	0.03	ND	0.09	ND	0.27	ND	0.2	ND	0.25	ND	0.1	ND	0.09	ND	0.47	0	0.11	ND	0.14	ND

SILVER (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	
1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	27.2	<6.6	<6.6	9.8	<6.6
2	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
3	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	12.3	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	13.1	<6.6	<6.6	6.7	<6.6
4	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	7.8	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
Average	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	10.1	<6.6	<6.6	4.1	<6.6

SILVER (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	
1	<6.6	<6.6	<6.6	<6.6	<6.6	1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	12.1	<6.6	7.4	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	7	<6.6	<6.6	<6.6
2	<6.6	<6.6	<6.6	9.1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	15.7	<6.6	8.1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	20.9	<6.6	<6.6	<6.6
3	<6.6	<6.6	<6.6	11	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	11.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
4	<6.6	<6.6	<6.6		13.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
Average	<6.6	<6.6	<6.6	6.7	3.4	2.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	9.3	<6.6	6.8	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	7	<6.6	<6.6	<6.6

SILVER (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	
1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	18.2	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
2	<6.6	<6.6	9.3	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	11.1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	9.8	<6.6
3	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	8.8	<6.6	<6.6	<6.6	7.5	19.7	<6.6	<6.6	8.7	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	9.4	<6.6
4	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	7.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	11.6	<6.6	
Average	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	9.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	7.7	<6.6

SILVER (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	<6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6	7.6	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	ND	<6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Avg	ND	ND	ND	ND	ND	ND	0	ND	1.9	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND	ND	ND	1.7	1.9	ND

SILVER (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	0.9	4.1	0.7	0.9	ND	3.7	0.4	3.6	<0.2	1.5	ND	1.7	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	1.3	3.6	0.4	4.1	0.4	3.4	0.2	3.6	0.7	ND	ND	0.2	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	1.5	ND	ND	3.8	0.6	1.1	0.2	2.9	0.4	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9	1.2	1.4	0.2	4.8	0.4	0.5	0.7	1.9	0.3	2.2	ND	0.9	ND
Avg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	1.2	3	0.4	3.4	0.4	2.2	0.4	3	0.4	1.9	ND	0.7	ND

SILVER (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			0.2	ND	ND	ND	2.1	ND			2.2	0.7	0.6	ND	1.3	ND	0.8	ND	2.7	ND			0.6	ND
2	ND	ND	0.8	ND	ND	ND	2.9	0.3	2.3	0.3	2.1	ND	1.9	ND	2.1	ND	2.9	<0.2	0.6	ND	1.3	ND	ND	ND
3	ND	ND	2.2	ND	0.4	ND	3.2	<0.2	2.2	ND	2.7	ND	0.9	ND	0.6	ND	2.3	ND	ND	ND	1.5	ND	ND	ND
4	ND	ND	0.9	ND	0.8	ND	0.9	ND	2.4	ND	1	ND	1	ND	ND	ND	2.4	ND	1.2	ND	10	ND	ND	ND
Average	ND	ND	1	ND	0.3	ND	2.3	0.1	2.3	0.1	2	0.2	1.1	ND	1	ND	2.1	0	1.1	ND	1.3	ND	0.2	ND

ZINC (ug/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	126	32	182	62	142	37	136	35	182	39	144	24	226	135	166	25	140	27	115	22	152	26	165	42
2	181	33	190	69	179	33	110	26	179	33	126	23	261	150	154	21	169	25	270	23	141	27	175	31
3	152	50	151	67	148	30	116	27	148	39	155	23	249	151	158	27	130	20	137	29	134	34	171	33
4	150	43	175	69	147	58			154	31	170	28	222	127	144	23			129	29	117	33	171	35
Average	152	40	175	67	154	40	121	29	166	36	149	25	240	141	156	24	146	24	163	26	136	30	171	35

ZINC (ug/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	145	28	142	34	124	36	166	29	157	41	188	66	133	25	152	29	111	20	153	26	163	30	142	29
2	124	30	129	36	123	34	141	29	133	39	157	27	141	28	277	30	135	25	142	22	160	24	113	25
3	122	31	138	35	109	33	225	57	160	46	154	39	143	24	269	29	158	37	132	23	124	25	102	21
4	121	31			135	28	142	46	155	42	124	41			204	27	147	35	121	20	134	24	135	21
Average	128	30	136	35	123	33	169	40	151	42	156	43	139	26	226	29	138	29	137	23	145	26	123	24

ZINC (ug/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	140	26	122	29	138	28	134	31	144	28	139	29	172	25	125	18	98	30	110	29	178	32	119	21
2	152	31	158	40	131	25	140	26	144	21	127	21	189	28	130	24	164	81	126	31	122	25	116	23
3	149	33	120	28	148	30	146	29	126	25	161	28	180	27	139	19	154	24	123	41	128	14	121	23
4			140	42	138	26	149	26			112	23	113	22	142	30	116	18	182	33			117	16
Average	147	30	135	35	139	27	142	28	138	25	135	25	164	26	134	23	133	38	135	34	143	24	118	21

ZINC (ug/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	112	ND	120	9	106	27	156	23	142	24	130	26	168	26	152	9	172	23	140	13	138	22	148	27
2	115	9	132	15	127	28	170	35	154	21	135	19	157	26	145	19	148	19	139	20	139	27	231	81
3	104	,4	105	11	153	29	144	45	145	26	142	12	158	26	135	12	124	25	132	22	152	23	135	22
4	88	<4	115	11			156	31	144	23	118	20	130	30	124	12			126	16	124	21	133	28
Avg	105	2	118	12	129	28	157	34	146	24	131	19	153	27	139	13	148	22	134	18	138	23	162	40

ZINC (ug/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	136	36			129	29	144	14	141	27	125	20	125	20	112	14	133	17	143	10	140	17	141	ND
2	165	47	148	28	145	42	154	18	141	19	134	19	134	19	175	23	134	15	124	16	116	19	134	ND
3	152	49	145	21	139	24	148	25	140	16	130				141	21	117	17	150	26	110	21	134	ND
4	183	53	135	33	138	49	171	23	128	22		16	130	16	191	17	73	18	98	21	120	17	105	ND
Avg	159	46	143	27	138	36	154	20	138	21	130	18	130	18	155	19	114	17	129	18	122	19	129	ND

ZINC (ug/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			124	29	97	28	144	46			121	48	116	16	149	25	138	24	188	14			148	31
2	96	25	136	22	103	25	142	26	139	21	128	66	131	18	132	19	171	22	138	16	254	21	149	21
3	97	20	196	18	130	22	144	28	118	19	127	58	68	24	146	18	131	17	74	22	129	29	121	19
4	116	25	90	27	117	24	134	24	142	26	122	28	128	25	71	16	145	20	150	23	120	19	118	19



## AMMONIA (mg/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	27	27.2	28.4	28.2	26.3	25.9	27.5	28.6	26.9	27.2	28.2	28.6	28	27.9	28.9	28.3	27.5	28.1	26.9	26.3	27.3	26.3	28.3	28.8
2	28.1	26.9	29.3	29.1	28	27.6	27.7	28.6	29	29.4	29.7	28	29	27.4	27	26.5	27	28.1	26.7	27.4	26	26.9	29.1	29.4
3	26.1	25.6	27.2	25.8	26.9	29.4	28	27.9	30.1	29.1	28.4	28.1	28.5	28.8	25.9	25	27	26.3	27.2	27	25.4	27	28.7	28.8
4	28.1	28	27.7	27.4	28.9	30.4			28.2	27.7	29.6	26.3	28.5	26.6	27.5	27.9			29.1	28	28	26.9	29.9	29.7
Average	27.3	26.9	28.2	27.6	27.5	28.3	27.3	28.4	28.6	28.4	29	27.8	28.5	27.7	27.3	26.9	24.2	27.5	27.5	27.2	26.7	26.8	29	29.2

## AMMONIA (mg/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	30.2	28.8	29.9	32.5	26.6	26	30.3	28.7	29.1	29.1	28.8	28	29.4	25.2	30.5	29.7	28.2	27.9	29.8	29.1	28.1	26.9	28.3	27.7
2	24.4	23	24.2	24.4	23.5	24.4	27.6	27.9	29.9	29.4	29.8	29.4	30	29.7	28.6	29.1	28.4	27.6	28.6	28.6	28.4	27.4	26.3	26.9
3	27.7	27.2	27	26.7	26.9	26.6	30.1	30	29.2	29.7	29.1	28.6	29.4	28.3	28.4	28.1	30	29.4	27.7	27.6	28.9	31.2	29.7	28.3
4	28.5	26.9			27.2	27.2	31.4	31.5	27.5	27.4	28.3	28			27.9	25.8	28.8	28.3	29.3	28.1	30.5	29.7	27.6	26.9
Average	27.7	26.5	27	27.9	26.1	26.1	29.9	29.5	28.9	28.9	29	28.5	29.6	27.7	28.9	28.2	28.9	28.3	28.9	28.4	29	28.8	28	27.4

## AMMONIA (mg/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	28	27.6	30.1	29.8	30.6	29	27.9	28.3	29.4	300.8	27.2	26	28	26.3	29.3	29	26.3	26	28	26.6	28.6	29.1	25.8	25.2
2	30.8	29.8	26.5	25.2	30.4	30.5	28.6	28	31.6	31.4	27.2	26.3	27.4	25.5	28.6	27.2	26.3	27.4	27.2	26.3	27.2	26.9	26.6	26.3
3	31.2	30.7	27.7	26	28.3	27.3	31.9	30.2	28.3	27.7	27.7	25.8	28.8	28.3	29.7	29.4	26.3	26.9	27.4	26.9	27.2	27.4	26.9	26.3
4			28.8	27.4	28.3	29.1	30	29.7			27.7	27.4	27.4	27.2	27.6	28	27.7	27.2	30	29.4			28	27.2
Average	30.3	29.4	28.3	27.1	29.4	29	29.6	29.1	29.8	30	27.5	26.4	27.9	26.8	28.8	28.4	26.7	26.9	28.2	27.3	27.7	27.8	26.8	26.3

## AMMONIA (mg/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	27.4	26.6	29.7	28.6	26.6	26	26.9	28	27.4	28	30.8	31.1	29.7	30.2	28.6	28	27.7	28	28.8	29.7	26	26	28	26.9
2	27.4	27.7	26.6	25.5	20.2	20.4	30.2	30	29.7	30.2	30	30.2	29.4	28.8	27.4	28	28.6	28.6	26.9	28.3	28.3	28.3	28.6	29.1
3	23	22.7	25.2	22.7	27.4	26.9	26.9	27.2	28.8	29.4	29.7	30.5	29.7	30.8	29.1	28.3	29.4	29.4	24.9	26	25.5	25.5	26.3	26.6
4	27.2	26.9	24.9	24.6			28.8	30.5	30.5	30.5	27.7	29.1	28.8	28.6	27.7	27.2			26.9	27.4	*	*	29.4	28.3
Avg	26.3	26	26.6	25.4	24.7	24.4	28.2	28.9	29.1	29.5	29.6	30.2	29.4	29.6	28.2	27.9	28.6	28.7	26.9	27.9	26.6	26.6	28.1	27.7

\* Not reportable

## AMMONIA (mg/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	29.1	28.8			25.2	25.5	25.8	26.6	28.2	26.5	28.8	29.1	28.6	28	29.4	29.1	28.3	27.2	30.2	30.2	23	24.1	26.9	26.6
2	29.7	29.4	29.1	29.4	27.7	28	27.2	27.4	29.7	30	27.4	28.3	26.9	27.4	29.1	29.3	27.7	26	27.4	28.3	28.3	27.7	27.7	27.4
3	26.9	26.6	30.5	27.4	27.7	28.3	24.8	24.9	31.4	30.8	30	28.8			30	28.6	26.9	28	22.1	23	27.2	26.6	28	28.3
4	30.2	29.4	20.4	20.4	29.1	28.3	27.4	28.3	28.6	28.8	27.4	28.3	28.3	28	28.3	28	28.3	28	19	19.3	27.4	27.2	25.2	24.6
Avg	29	28.6	26.7	25.7	27.4	27.5	26.3	26.8	29.5	29	28.4	28.6	27.9	27.8	29.2	28.8	27.8	27.3	24.7	25.2	26.5	26.4	27	26.7

## AMMONIA (mg/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			28	27.7	17.4	17.4	27.7	28			28	28.3	28.3	27.7	29.1	28.8	28.6	28.3	29.1	28.6			31.4	30.5
2	21.6	21.3	28.5	27.7	24.6	24.4	27.9	27.4	28.6	28.3	30.3	29.4	28.8	28.3	29.4	28.6	29.4	29.1	29.7	30	28.6	28.3	29.7	29.4
3	25.2	24.6	26.6	27.4	28	26.6	29.1	28.6	28.6	27.4	30.8	30.2	28.6	28.3	27.4	27.4	27.4	28	27.7	27.4	30.2	30	29.7	29.4
4	27.1	26.6	21.6	21.3	26.9	26.6	27.1	26.9	28.3	28	29.7	29.4	29.4	29.1	27.4	27.7	29.3	28.8	NA	NA	27.7	27.7	29.7	26.3

CYANIDE (mg/L) 2000																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	0.006	0.005	0.004	0.003	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.006	0.004	0.004	0.004	0.003	0.013	0.014	0.004	0.003	0.002	0.003
2	0.004	0.004	0.007	0.006	0.004	0.003	0.004	0.003	0.005	0.004	0.004	0.004	0.002	0.003	0.003	0.003	0.005	0.003	0.005	0.004	0.004	0.004	0.003	0.003
3	0.003	0.003	0.003	0.013	0.005	0.004	0.004	0.003	0.003	0.005	0.003	0.006	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.007	0.006
4	0.004	0.003	0.004	0.003	0.005	0.005			0.003	0.002	0.004	0.006	0.039	0.003	0.002	0.003			0.003	0.003	0.003	0.003	0.003	0.003
Average	0.004	0.004	0.005	0.006	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.005	0.012	0.004	0.003	0.003	0.004	0.003	0.006	0.006	0.004	0.003	0.004	0.005

CYANIDE (mg/L) 2001																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	0.005	0.005	0.006	0.006	0.006	0.005	0.003	0.004	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003	<0.002	0.002	<0.002	0.003	0.003	0.004	0.003
2	0.004	0.004	0.004	0.003	0.003	0.004	0.004	0.004	0.002	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.003	0.003	<0.002	<0.002	0.003	0.003	0.004	0.003
3	0.003	0.003	0.006	0.006	0.004	0.004	0.002	0.003	0.007	0.009	0.003	0.003	0.003	0.003	<0.002	<0.002	<0.002	0.002	0.003	0.003	0.003	0.003	<0.002	<0.002
4	0.003	0.003			0.004	0.003	0.002	0.003	0.002	0.003	0.004	0.003			<0.002	<0.002	<0.002	0.002	<0.002	<0.002	0.003	0.003	<0.002	<0.002
Average	0.004	0.004	0.005	0.005	0.004	0.004	0.003	0.004	0.003	0.005	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.001	0.003	0.003	0.003	0.002	0.002

CYANIDE (mg/L) 2002																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	0.003	0.002	0.01	0.009			0.003	0.003	0.005	0.005	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003
2	0.004	0.003	0.007	0.006	0.004	0.006	0.002	0.003	0.006	0.007	0.002	0.002	0.003	0.003	0.003	0.002	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.002
3	0.006	0.01	0.004	0.004	0.003	0.004	0.003	0.003	0.005	0.004	0.003	<0.002	0.004	0.005	<0.002	0.002	0.004	0.004	0.002	0.002	0.003	0.003	0.002	0.002
4			0.004	0.009	0.003	0.004	0.003	0.003			0.003	0.003	0.003	0.002	0.003	0.003	0.004	0.003	0.003	0.003			0.002	<0.002
Average	0.004	0.005	0.006	0.007	0.003	0.005	0.003	0.003	0.005	0.005	0.003	0.002	0.003	0.003	0.002	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.002

CYANIDE (mg/L) 2003																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	nd	nd	0.003	0.003	ND	0.003	0.002	0.002	0.003	0.005	0.002	0.002	ND	ND	0.003	0.003	0.002	0.003	0.003	0.004	0.002	0.002	0.004	0.004
2	0.005	0.005	0.002	ND	0.003	ND	0.002	0.002	ND	0.002	0.002	0.002	ND	0.002	ND	0.004	0.002	0.002	0.003	0.004	0.003	0.003	0.003	0.003
3	0.004	0.003	ND	0.002	ND	0.003	0.004	0.005	ND	0.002	ND	0.002	0.003	0.003	0.004	0.006	ND	0.003	0.003	0.003	0.002	0.002	0.004	0.004
4	0.002	0.002	0.003	0.004			ND	0.003	ND	0.002	0.002	0.002	ND	ND	ND	ND			0.004	0.004	0.002	0.003	ND	<0.002
Avg	0.003	0.003	0.002	0.002	0.001	0.002	0.002	0.003	0.001	0.003	0.002	0.002	0.001	0.001	0.002	0.003	0.001	0.003	0.003	0.004	0.002	0.003	0.003	0.004

CYANIDE (mg/L) 2004																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	0.003	0.003			0.003	0.003	0.003	0.002	0.002	0.002	0.002	<0.002	0.003	0.003	0.003	<0.002	0.003	0.006	0.002	0.002	0.005	0.005	0.003	0.003
2	0.004	0.003	0.003	0.003	0.003	0.003	0.003	ND	0.002	0.003	ND	ND	ND	ND	ND	0.002	<0.002	ND	ND			0.002	0.003	
3	0.002	0.003	0.002	0.002	0.003	0.003	0.003	0.002	0.003	<0.002	0.002	0.002			0.003	0.002	0.007	0.007	0.003	0.003	0.002	0.003	0.004	0.003
4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	ND	<0.002	0.003	0.002	ND	<0.002	0.002	<0.002	0.002	0.003	0.003	0.003	ND	0.002
Avg	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.003	0.003	0.003	0.003	0.002	0.003	0.002	0.003

CYANIDE (mg/L) 2005																								
Week	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			0.002	0.002	0.003	0.002	0.003	0.003			0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002			0.006	0.003
2	0.003	0.002	0.002	0.003	0.003	0.002	0.003	0.003	0.002	0.002	ND	ND	0.002	0.003	ND	0.003	0.002	<0.002	ND	<0.002	0.002	0.002	0.003	0.003
3	0.002	0.002	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	ND	0.004	0.004	0.003
4	0.003	0.003	0.003	0.004	0.004	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.003	0.003	ND	ND	ND	ND	0.002	<0.002	ND	0.002	ND	0.003
Average	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.001	0.002	0.001	0.001	0.001	0.004	0.002

EFFLUENT RADIATION (pCi/L) 2000																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	3.1	29.6			2.5	32.9			2.8	36.4	1.8	28.1	3.3	33.7			1.3	36.2			0.7	25.2	1.7	29.2
2			1.9	35.8			2	30.4						2.5	34.6									
3																			1.8	31.9				
4																								
Average	3.1	29.6	1.9	35.8	2.5	32.9	2	30.4	2.8	36.4	1.8	28.1	3.3	33.7	2.5	34.6	1.3	36.2	1.8	31.9	0.7	25.2	1.7	29.2

EFFLUENT RADIATION (pCi/L) 2001																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	0.3	28	2.1	37	2.6	30.7	1.6	26.3							0.6	31.1	1	37.4			1.4	29.9	2.9	29.2
2									1.7	37.2			0.9	33.4					1.8	35.3				
3																								
4																								
Average	0.3	28	2.1	37	2.6	30.7	1.6	26.3	1.7	37.2	0.8	31.2	0.9	33.4	0.6	31.1	1	37.4	1.8	35.3	1.4	29.9	2.9	29.2

EFFLUENT RADIATION (pCi/L) 2002																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	2.7	28.5	1.5	37.1	1.6	33.4	1.9	32.5	1.9	13.3	1.2	35.7	0.7	21.5			0.1	27.9	1.5	14.9	1.3	25.5	0.8	14.9
2															1.8	12.2								
3																								
4																								
Average	2.7	28.5	1.5	37.1	1.6	33.4	1.9	32.5	1.9	13.3	1.2	35.7	0.7	21.5	1.8	12.2	0.1	27.9	1.5	14.9	1.3	25.5	0.8	14.9

EFFLUENT RADIATION (pCi/L) 2003																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	1.2	13.4	3.5	20.8	1.4	20	3	16.2	1	20	2.6	20.8	1.1	20.9	1.7	20.4	1.1	19.9	0.2	23.4	0.3	9.9	1.1	31.7
2																								
3																								
4																								
Avg	1.2	13.4	3.5	20.8	1.4	20	3	16.2	1	20	2.6	20.8	1.1	20.9	1.7	20.4	1.1	19.9	0.2	23.4	0.3	9.9	1.1	31.7

EFFLUENT RADIATION (pCi/L) 2004																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1	3	16.1			2.2	14.8	0.3	21.5			1	1	14.5	0.9	26.3				1.7	21.1	0.9	17	1.7	25.7
2			1.9	16.4					0.8	15.9						0.9	20.8	23.1						
3																								
4																								
Avg	3	16.1	1.9	16.4	2.2	14.8	0.3	21.5	0.8	15.9	1	1	14.5	0.9	26.3	0.9	20.8	23.1	1.7	21.1	0.9	17	1.7	25.7

EFFLUENT RADIATION (pCi/L) 2005																								
Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
1			3.2	18.9	2.5	8.8	1.1	16.8			3	19.3	1.3	14.3			2	11.7	1.9	13.1			2.7	18.1
2	1.5	15							2.9	13.9					1.3	20.2					0.7	25.7		
3																								
4																								
Average	1.5	15	3.2	18.9	2.5	8.8	1.1	16.8	2.9	13.9	3	19.3	1.3	14.3	1.3	20.2	2	16.9	1.9	13.1	0.7	25.7	2.7	18.1





HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2000

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	46	17	27	19	16	14	31	11	44	26	57	27	41	30	36	19	37	23	56	26	24	17	73	29
2	41	25	30	18	25	19	15	11	32	34	42	22	29	17	37	19	34	17	31	20	46	27	62	nd
3	42	22	32	17	33	19	31	13	48	28	41	23	23	19	52	25	25	15	37	24	60	25	60	20
4	24	18	50	20	24	16			46	26	42	25	22	15	46	26			34	24	36	35	53	21
Average	38	21	35	19	25	17	26	12	43	29	46	24	29	20	43	22	32	18	40	24	42	26	62	18

HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2001

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	51	22	37	17	26	14	51	13	38	21	NA	28	30	15	38	21	NA	18	35	18	50	15	58	19
2	0	0	32	14	NA	15	55	19	47	14	20	14	24	16	40	14	59	19	42	13	21	15	38	18
3	42	17	36	0	34	12	43	12	47	17	38	18	28	38	44	16	54	15	49	20	38	21	0	0
4	30	0			18	11	49	15	43	21	54	27			61	26	49	19	46	13	70	11	68	24
Average	31	10	35	10	26	13	50	15	44	18	37	22	27	23	46	19	41	18	43	16	45	16	41	15

HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2002

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	39	18	35	17	26	21	31	13	nd	nd	36	nd	23	nd	45	16	16	nd	26	nd	14	nd	nd	nd
2	47	14	40	nd	19	15	24	nd	nd	nd	36	nd	32	nd	nd	nd	20	nd	48	22	13	13	nd	nd
3	45	17	33	15	40	nd	31	19	14	14	36	18	28	nd	50	12	27	20	99	24	10	nd	nd	nd
4			38	16	45	15	29	14			30	nd	33	nd	18	16	28	12	11	nd			nd	nd
Average	44	16	37	12	33	13	29	12	7	5	35	5	29	nd	28	11	23	8	46	12	12	4	nd	nd

HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2003

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	33	nd	20	23	27	23	18	nd	26	nd	31	13	28	nd	34	26	58	40	nd	nd	nd	nd	nd	nd
2	34	nd	490	175	nd	nd	23	nd	24	nd	38	20	29	nd	38	30	nd	nd	nd	nd	61	27	nd	nd
3	30	nd	nd	nd	19	nd	25	nd	15	nd	55	12	31	13	31	37	nd	nd	nd	nd	nd	nd	nd	nd
4	20	19	12	15			32	nd	18	nd	29	21	32	nd					nd	nd	nd	nd	nd	nd
Avg	29	5	131	53	15	8	25	nd	21	nd	38	17	30	3	34	31	19	13	nd	nd	15.3	6.8	nd	nd

HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2004

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1	nd	nd			16	nd	16	nd	19	nd	nd	14	nd	31	nd	16	11	29	ND	28	ND	24	16.5	
2	14	nd	nd	nd	40	nd	nd	nd	11	nd	24.5	nd	26	nd	44	nd	16	12	41	ND	24	ND	20	ND
3	nd	nd	11	nd	15	nd	33	12	10	nd	29	nd		20	nd	12	nd	11	ND	34	ND	26	ND	
4	nd	nd	nd	nd	34	nd	nd	nd	58	nd	22	nd	88	67	nd	nd	13	nd	ND	ND	42	ND	25	ND
Avg	6.8	nd	3.7	nd	26.3	nd	12.3	3	24.5	nd	18.9	nd	42.7	22.3	23.8	nd	14.3	5.8	20.3	ND	32	ND	23.8	4.1

HCH-HEXACHLOROCYCLOHEXANES (ng/L) 2005

Week	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff	Inf	Eff
1			ND	ND	15	ND	36	15			24	ND	40	41	25	13.5	30	ND	31	ND		ND	ND	10.5
2	13	ND	ND	ND	ND	ND	43	16	33	17	22	11.5	29.7	13.5	35	20	32	ND	30	ND	ND	ND	ND	ND
3	21	ND	ND	30.5	12	ND	30.3	13.8	25	ND	15	ND	27.3	ND	44	72.5	14	ND	29	ND	ND	ND	ND	ND
4	28	ND	ND	ND	ND	ND	39	ND	29.3	16	20	13	17.3	20.8	0	23	11	ND	29	20	15	ND	28	ND
Average	20.7	ND	ND	7.6	6.8	ND	37.1	11.2	29.1	11	20.3	6.1	28.6	18.8	26	32.3	21.8	ND	29.8	5	5	ND	7	2.6

CHLORDANE & RELATED COMPOUNDS (ng/L) 2000

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	77	210	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Average	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	19	53	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

CHLORDANE & RELATED COMPOUNDS (ng/L) 2001

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Average	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

CHLORDANE & RELATED COMPOUNDS (ng/L) 2002

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	215	nd	nd	nd	nd	nd
Average	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	54	nd	nd	nd	nd	nd

CHLORDANE & RELATED COMPOUNDS (ng/L) 2003

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Avg	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

CHLORDANE & RELATED COMPOUNDS (ng/L) 2004

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	45	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	131	139	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Avg	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	43.7	46.2	nd	nd	11.3	nd	nd	nd	nd	nd	nd	nd	nd

CHLORDANE & RELATED COMPOUNDS (ng/L) 2005

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	178	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average	ND	ND	ND	ND	ND	ND	15.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44.5	ND





DDT AND DERIVATIVES (ng/L) 2000

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	92	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	45	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Average	nd	23	11	13	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

DDT AND DERIVATIVES (ng/L) 2001

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Average	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

DDT AND DERIVATIVES (ng/L) 2002

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2	37	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	46	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Average	29	nd	nd	nd	12	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

DDT AND DERIVATIVES (ng/L) 2003

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff	
1	nd	nd	nd	nd	nd	nd	nd	nd	24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Avg	nd	nd	nd	nd	nd	nd	nd	nd	6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

DDT AND DERIVATIVES (ng/L) 2004

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	nd	nd	nd	nd	nd	nd	nd	nd	24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	30	nd
2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	20	nd
4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	24	nd
Avg	nd	nd	nd	nd	nd	nd	nd	nd	6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	18.5	nd

DDT AND DERIVATIVES (ng/L) 2005

Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND





NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2000																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	13.8	9	20.7	12.6	13.1	10.4	13.8	8.2	12.9	11.3	7.7	6.3	24.3	20.3	22.9	16.1	15.2	10.3	15.6	10.9	21.5	14.4	11	8.5
2	26.6	16.9	18.5	14.1	11.9	10	13.9	7.8	12.9	10	8.8	6.7	21.4	18.9	16.5	10.8	13.6	10.3	16.6	10.6	*	7.7	13.8	11.5
3	18.9	14.9	15.9	9.9	10.4	9.1	15.3	12.1	17.2	15.4	24.3	11.6	20.2	18	18.2	11.2	21.4	15.4	16.2	11.9	18.7	14.4	20.3	14.6
4	19.1	12	13.9	9.1	16.8	10.5			6.9	7.7	16.9	13.4	21.5	12.7	12.1	9.5			15.2	11.1	11.6	8.6	19.6	14
Average	19.6	13.2	17.3	11.4	13.1	10	14.3	9.4	12.5	11.1	14.4	9.5	21.6	17.5	17.4	11.9	16.7	12	15.9	11.1	17.3	11.3	16.2	12.2

NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2001																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	17.3	13.7	22.9	23	12.1	7	21.6	24.3	17.9	18.4	25.8	15.5	19.1	10.5	16.4	11.5	14.8	6.3	13.3	8.5	15.2	12.4	19.1	8.4
2	11.5	8.5	11.6	6.6	11.3	8	22	12.4	14.7	9.8	17.9	12	15.2	5	18.9	8.9	15.8	8.5	10.4	10.3	16.6	11.6	13.6	9.8
3	13.9	9.5	15.4	15.1	15.1	13.7		13.7	19.1	13.1	12.7	7.4	15.5	10.1	14.8	9.9	16.1	6.6	12.9	6.1	25.1	10.3	12.2	7.8
4	19.5	16.1			21.3	7.8				8.8	16.7	7.9			14.5	9.7	17.5	9.2	12.8	10	23.1	13.6	19.8	12.5
Average	15.6	12	16.6	14.9	15	9.1	21.8	16.8	17.2	12.5	18.3	10.7	16.6	8.5	16.2	10	16.1	7.7	12.4	8.7	20	12	16.2	9.6

NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2002																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	22.5	15.1	19.3	19.9	20.1	19.5	22.6	17.1	16.6	14.6	17.8	11.2	15.9	7.4	14.4	8.8	14.7	9.3	13.9	9.7	15.7	8.2	17	9.1
2	19	14.1	14.8	13.2	14.9	13.2	15	13.1	12.7	11.9	13.2	7	11.3	9.4	13.4	7.7	12.6	7.8	16.1	8	12.3	7.1	9.9	9.4
3	15.9	15.3	14.2	12.3	14.7	17.1	17.3	15.7	13.9	11.1	13.1	15.7	13.3	9.8	11.8	9	11.4	6.5	13.8	9.8	9.2	7.4	9.4	7.5
4			19.6	20.2	6.3	0	11.9	12.9			18	10.3	10.3	7.9	8.9	8.2	13.7	8.1	10.3	6.8		18	15.3	
Average	19.1	14.8	17	16.4	14	12.5	16.7	14.7	14.4	12.5	15.5	11.1	12.7	8.6	12.1	8.4	13.1	7.9	13.5	8.6	12.4	7.6	13.6	10.3

NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2003																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	16.2	9.8	11.2	5.7	14	12.9	17.1	11.3	18.3	9.7	15	10.2	16	4.1	12.1	8.7	10.5	7.2	9.2	9.4	13.8	8.8	16.2	11
2	11.8	9.4	14.4	10.2	6.7	4.1	23.8	17.5	15.2	13.9	17.6	11.5	19.6	13.1	16.2	11.2	12.2	6.5	13.8	5.8	17	10.4	20.5	16.5
3	12.9	10	12.1	9.6	14	13.7	15.7	12	18.3	13.7	15.6	13	18.1	13.3	17.6	11.7	11.5	9.3	nd	7.2	16.7	6.5	15.6	9.7
4	18.2	13.3	10.5	8.6	11.6	10.2	17	12.4	15.6	12.8	13.2	11.4	20.5	14.1	14.9	10.1			15	8.7	17.5	12.6	17.1	13
Avg	14.8	10.6	12.1	8.5	11.6	10.2	18.4	13.3	16.9	12.5	15.4	11.5	18.6	11.2	15.2	10.4	11.4	7.7	12.7	7.8	16.3	9.6	17.4	12.6

NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2004																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1	16.9	13.6			11.6	13.9	17.5	13.6	11.5	10.1	16.2	10.6	18.4	11.1	11.4	9.1	15.9	10.7	14.7	7.4	15.5	10.9	12.5	11.9
2	21	19.6	13.8	11	13.7	15.7	12.3	11	21.3	19.9	27.5	10.9	20.3	11.1	19	8.8	16.5	9.9	16.4	11.1	16.2	9.7	17.7	10.3
3	17.4	18	15.8	12	14.7	14.7	15.6	13.3	21	14.2	19.4	11.1		11.8	10.4	15	8.9	5.6	4.4	12.1	8.2	17.8	12.4	
4	16.6	18.4	9.1	8.8	9.7	11.9	13.5	13.2	14.6	11.9	22.5	13.4	20.2	9.6	17.8	11	15	7.2	7.6	4.3	16.2	12.9	11.8	7.7
Avg	18	17.4	12.9	10.6	12.4	14.1	14.7	12.8	17.1	14	21.4	11.5	19.6	10.6	15	9.8	15.6	9.2	11.1	6.8	15	10.4	15	10.6

NON-CHLORINATED PHENOLIC COMPOUNDS (ug/L) 2005																								
Week	Inf	JAN Eff	Inf	FEB Eff	Inf	MAR Eff	Inf	APR Eff	Inf	MAY Eff	Inf	JUN Eff	Inf	JUL Eff	Inf	AUG Eff	Inf	SEP Eff	Inf	OCT Eff	Inf	NOV Eff	Inf	DEC Eff
1			11.3	8.1	4.3	2.9	14.6	13.7			16.3	11.5	17.3	11.2	9.4	5.5	13.4	8.3	13.3	939			19.7	15.6
2	7.5	6.1	10.9	6.3	11.2	9.6	13.1	12.5	17.9	11.6	15	13.1	18.7	12.7	13.6	10	13.1	13.4	14.3	11	17.1	13.1	15.3	10.7
3	9.1	5.9	15.2	10.2	14.6	12.6	14.9	13.5	20.4	13.5	17.2	13.6	17.8	11	15.5	8.4	9.4	12.3	11.6	11.4	14.7	13.7	14.1	8.3
4	17.3	12.2	7.9	5.6	16.1	10.8	16.7	10.2	17.7	9.3	15.5	10.6	7.9	11.6	8.2	8.4	15.5	12.5	19.5	11.9	16.2	12	16.8	10.8
Average	11.3	8.1	11.3	7.6	11.6	9	14.8	12.5	18.7	11.5	16	12.2	15.4	11.6	11.7	8.1	12.9	11.6	14.7	11	16	12.9	16.5	11.4

