

VI. Annual Pretreatment Program Data

2009 Annual Pretreatment Program Sludge Analysis (QUARTERLY SLUDGE PROJECT)

SOUTH BAY WATER RECLAMATION PLANT Order No. 2006-067 NPDES Permit No.CA0109045

The Quarterly Sludge Project is part of the South Bay WRP NPDES (Permit No. CA0109045/Order No. 2006-067) monitoring requirements for the Metropolitan Sewerage System. The sampling plan is designed so as to provide a “snapshot” of all of the physical and chemical characteristics monitored of the wastewater treatment waste streams for a short interval of time (1-2 days). This is conducted quarterly.

The Quarterly Sludge Project was conducted four times during 2009. Sampling occurred on February 3, May 5, August 4, and October 6. Monthly composite samples of MBC dewatered sludge (belt-press dewatered) during the respective calendar months were taken and analyzed for a similar suite of parameters. The tables showing the results of these analyses follow in this section. Results relative to the Pt. Loma WWTP or North City Water Reclamation Plant are in the respective annual reports for those facilities.

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

Abbreviations:

SB_INF_02	SBWRP influent
SB_OUTFALL_00	SBWRP effluent
SB_OUTFALL_01	SBWRP effluent after June 1, 2009
SB_ITP_COMB_EFF	SBWRP & IWTP combined effluent
SB_REC_WATER_34	SBWRP reclaim water
SB_PRIEFF_10	Primary Effluent
SB_SEC_EFF_29	Secondary effluent
SB_RSL_10	Primary Sed Tank to Sludge Line

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:			INFLUENT 03-FEB-2009	INFLUENT 05-MAY-2009	INFLUENT 04-AUG-2009	INFLUENT 06-OCT-2009
	MDL Units					
Aluminum	47 UG/L		1180	773	1110	1320
Antimony	2.9 UG/L		ND	ND	ND	ND
Arsenic	.4 UG/L		0.56	0.96	1.04	0.63
Barium	.039 UG/L		105	101	101	99.7
Beryllium	.022 UG/L		ND	ND	ND	ND
Boron	7 UG/L		313	321	321	309
Cadmium	.53 UG/L		ND	ND	ND	ND
Chromium	1.2 UG/L		4.2	2.7	2.8	3.8
Cobalt	.85 UG/L		ND	ND	ND	ND
Copper	2 UG/L		80.9	67.7	76.5	67.3
Iron	37 UG/L		639	431	593	530
Lead	2 UG/L		4.3	ND	ND	ND
Manganese	.24 UG/L		54.3	49.8	32.9	30.9
Mercury	.09 UG/L		ND	ND	0.2	0.1
Molybdenum	.89 UG/L		5.9	6.7	7.5	7.4
Nickel	.53 UG/L		6.4	4.3	5.0	4.8
Selenium	.28 UG/L		1.77	2.13	1.81	1.54
Silver	.4 UG/L		0.4	0.9	1.3	0.9
Thallium	3.9 UG/L		ND	ND	ND	ND
Vanadium	.64 UG/L		1.6	1.3	1.2	1.9
Zinc	2.5 UG/L		185	143	175	153
Calcium Hardness	.1 MG/L		179	202	168	170
Magnesium Hardness	.4 MG/L		131	135	112	113
Total Hardness	.4 MG/L		310	337	280	282
Total Alkalinity (bicarbonate)	20 MG/L		352	320	327	322
Calcium	.04 MG/L		71.8	80.7	67.4	68.0
Lithium	.002 MG/L		0.03	0.04	0.04	0.04
Magnesium	.1 MG/L		31.7	32.9	27.2	27.3
Potassium	.3 MG/L		17.9	20.7	21.9	22.3
Sodium	1 MG/L		174	190	172	182
Bromide	.1 MG/L		0.36	0.33	0.30	0.17
Chloride	7 MG/L		239	223	204	207
Fluoride	.05 MG/L		0.54	0.54	0.35	0.57
Nitrate	.04 MG/L		0.21	0.17	0.14	0.30
Ortho Phosphate	.2 MG/L		12.1	14.2	12.9	13.1
Sulfate	9 MG/L		150	197	171	168
Cyanides, Total	.002 MG/L		ND	ND	ND	ND
BOD	2 MG/L		395	359	343	347
pH	PH		7.5	7.7	7.8	7.6
Settleable Solids	.1 ML/L		14.5	23.0	9.0	10.0
Turbidity	.13 NTU		185	197	132	166
Total Kjeldahl Nitrogen	1.6 MG/L		54.5	53.9	60.0	56.9
Ammonia-N	.3 MG/L		34.5	28.2	34.4	35.2
Sulfides-Total	.18 MG/L		6.30	5.82	3.79	5.91
Total Suspended Solids	1.4 MG/L		354	282	218	284
Volatile Suspended Solids	1.6 MG/L		316	262	184	240
Total Dissolved Solids	28 MG/L		990	958	977	1020
MBAS (Surfactants)	.03 MG/L		17.3	18.8	18.2	14.5

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:		EFFLUENT 03-FEB-2009	EFFLUENT 05-MAY-2009	EFFLUENT 04-AUG-2009	EFFLUENT 06-OCT-2009
	MDL Units				
Aluminum	47 UG/L	181	129	117	108
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.54	0.71	0.85	0.63
Barium	.039 UG/L	66.7	78.1	62.1	65.8
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	345	357	355	318
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	1.4	1.6	<1.2	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	13.6	10.5	24.0	9.0
Iron	37 UG/L	44.0	61.5	98.0	47.0
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	31.0	20.2	16.7	16.4
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	3.5	3.7	3.5	3.4
Nickel	.53 UG/L	3.6	3.7	5.8	3.7
Selenium	.28 UG/L	0.57	0.74	0.76	0.60
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	ND	<0.6	0.9
Zinc	2.5 UG/L	45.3	38.8	37.5	32.1
Calcium Hardness	.1 MG/L	183	199	171	175
Magnesium Hardness	.4 MG/L	131	128	108	113
Total Hardness	.4 MG/L	315	327	279	288
Total Alkalinity (bicarbonate)	20 MG/L	178	165	154	161
Calcium	.04 MG/L	73.4	79.6	68.4	70.1
Lithium	.002 MG/L	0.03	0.04	0.04	0.04
Magnesium	.1 MG/L	31.9	31.1	26.2	27.3
Potassium	.3 MG/L	17.1	18.7	18.6	19.6
Sodium	1 MG/L	182	189	178	198
Bromide	.1 MG/L	0.43	0.45	ND	0.22
Chloride	7 MG/L	246	235	105	222
Fluoride	.05 MG/L	0.62	0.72	0.21	0.49
Nitrate	.04 MG/L	29.2	38.0	30.7	38.3
Ortho Phosphate	.2 MG/L	9.5	3.0	0.8	1.3
Sulfate	9 MG/L	200	254	103	219
Cyanides, Total	.002 MG/L	0.003	ND	ND	ND
BOD	2 MG/L	15.7	7.6	7.1	7.9
pH	PH	7.4	7.6	7.6	7.4
Settleable Solids	.1 ML/L	ND	ND	ND	ND
Turbidity	.13 NTU	2.5	2.0	1.6	1.7
Total Kjeldahl Nitrogen	1.6 MG/L	2.2	2.5	1.9	2.1
Chlorine Residual, Total	.03 MG/L	0.03	0.04	0.05	0.06
Ammonia-N	.3 MG/L	ND	ND	ND	ND
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	7.5	6.5	4.4	6.7
Volatile Suspended Solids	1.6 MG/L	7.1	5.7	3.4	5.6
Total Dissolved Solids	28 MG/L	1040	1000	925	964
MBAS (Surfactants)	.03 MG/L	0.5	0.2	0.2	0.2

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:		COMB EFF 03-FEB-2009	COMB EFF 05-MAY-2009	COMB EFF 04-AUG-2009	COMB EFF 06-OCT-2009
	MDL Units				
Aluminum	47 UG/L	287	195	196	212
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	2.09	2.21	3.49	2.73
Barium	.039 UG/L	42.7	35.8	27.2	31.7
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	385	403	440	420
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	3.2	4.5	5.3	3.1
Cobalt	.85 UG/L	ND	1.1	1.0	1.0
Copper	2 UG/L	28.1	36.6	28.4	24.8
Iron	37 UG/L	1310	1500	1240	1170
Lead	2 UG/L	ND	2.2	ND	ND
Manganese	.24 UG/L	128	86.2	83.4	75.0
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	7.7	8.3	8.1	9.0
Nickel	.53 UG/L	14.8	39.4	26.0	37.4
Selenium	.28 UG/L	1.55	11.7	1.68	1.69
Silver	.4 UG/L	ND	0.5	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	2.5	2.0	2.2	1.4
Zinc	2.5 UG/L	69.4	42.9	44.1	34.9
Calcium Hardness	.1 MG/L	233	244	224	225
Magnesium Hardness	.4 MG/L	166	182	179	177
Total Hardness	.4 MG/L	400	425	403	403
Total Alkalinity (bicarbonate)	20 MG/L	330	357	340	NA*
Calcium	.04 MG/L	93.5	97.6	89.6	90.2
Lithium	.002 MG/L	0.05	0.07	0.07	0.07
Magnesium	.1 MG/L	40.4	44.1	43.6	43.1
Potassium	.3 MG/L	21.5	25.5	25.9	25.3
Sodium	1 MG/L	278	313	321	322
Bromide	.1 MG/L	0.45	0.51	0.50	0.37
Chloride	7 MG/L	350	372	376	363
Fluoride	.05 MG/L	0.70	0.70	0.45	0.72
Nitrate	.04 MG/L	7.95	0.31	0.20	5.00
Ortho Phosphate	.2 MG/L	7.1	10.9	10.6	8.2
Sulfate	9 MG/L	360	400	379	370
Cyanides, Total	.002 MG/L	0.003	0.022	0.050	0.049
BOD	2 MG/L	95.0	>119	83.2	NA*
pH	PH	7.3	7.7	7.6	7.8
Settleable Solids	.1 ML/L	8.0	29.0	0.7	ND
Turbidity	.13 NTU	30.4	32.8	34.1	NA*
Total Kjeldahl Nitrogen	1.6 MG/L	39.4	46.0	44.2	44.3
Chlorine Residual, Total	.03 MG/L	ND	ND	ND	ND
Ammonia-N	.3 MG/L	30.1	38.6	35.8	NA*
Sulfides-Total	.18 MG/L	ND	ND	ND	0.43
Total Suspended Solids	1.4 MG/L	46.0	65.0	58.0	NA*
Volatile Suspended Solids	1.6 MG/L	36.0	49.0	45.0	NA*
Total Dissolved Solids	28 MG/L	1540	1480	1530	NA*
MBAS (Surfactants)	.03 MG/L	14.7	15.4	13.8	10.8

* Insufficient sample volume to complete all analysis

ND= Not Detected

NA= Not Analyzed

NS= Not Sampled

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:		PRI EFF 03-FEB-2009	PRI EFF 05-MAY-2009	PRI EFF 04-AUG-2009	PRI EFF 06-OCT-2009
	MDL Units				
Aluminum	47 UG/L	653	302	463	518
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.69	0.88	0.92	0.76
Barium	.039 UG/L	90.6	87.8	80.8	76.7
Beryllium	.022 UG/L	ND	ND	ND	0.04
Boron	7 UG/L	297	301	329	325
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.0	2.1	1.9	2.2
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	70.4	44.2	46.0	40.3
Iron	37 UG/L	308	205	250	261
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	50.1	45.4	27.0	23.5
Mercury	.09 UG/L	ND	ND	0.1	ND
Molybdenum	.89 UG/L	5.2	5.1	6.2	6.4
Nickel	.53 UG/L	4.6	3.6	4.3	5.8
Selenium	.28 UG/L	1.60	1.53	1.39	1.14
Silver	.4 UG/L	0.6	ND	1.1	1.1
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	1.2	0.9	0.8	1.2
Zinc	2.5 UG/L	112	68.2	88.2	72.2
Calcium Hardness	.1 MG/L	184	208	170	168
Magnesium Hardness	.4 MG/L	132	135	112	112
Total Hardness	.4 MG/L	316	343	282	280
Total Alkalinity (bicarbonate)	20 MG/L	324	338	327	296
Calcium	.04 MG/L	73.8	83.2	67.9	67.4
Lithium	.002 MG/L	0.03	0.04	0.04	0.04
Magnesium	.1 MG/L	32.0	32.9	27.3	27.2
Potassium	.3 MG/L	19.2	20.7	21.8	21.5
Sodium	1 MG/L	187	194	185	197
Bromide	.1 MG/L	0.39	0.41	0.30	0.15
Chloride	7 MG/L	259	234	211	219
Fluoride	.05 MG/L	0.67	0.50	0.33	0.57
Nitrate	.04 MG/L	0.29	0.14	0.17	0.19
Ortho Phosphate	.2 MG/L	8.4	13.6	12.6	11.1
Sulfate	9 MG/L	193	224	165	181
Cyanides, Total	.002 MG/L	ND	ND	ND	ND
BOD	2 MG/L	210	208	220	227
pH	PH	7.5	7.6	7.8	7.5
Settleable Solids	.1 ML/L	2.0	1.0	0.7	1.7
Turbidity	.13 NTU	117	98.0	71.6	90.8
Total Kjeldahl Nitrogen	1.6 MG/L	50.2	51.2	50.0	43.6
Ammonia-N	.3 MG/L	32.7	40.0	36.5	39.5
Sulfides-Total	.18 MG/L	0.42	5.22	3.51	1.88
Total Suspended Solids	1.4 MG/L	146	92.9	82.0	84.3
Volatile Suspended Solids	1.6 MG/L	130	84.3	74.0	70.0
Total Dissolved Solids	28 MG/L	1040	977	957	997
MBAS (Surfactants)	.03 MG/L	13.3	9.7	11.2	10.9

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:		SEC_EFF 03-FEB-2009	SEC_EFF 05-MAY-2009	SEC_EFF 04-AUG-2009	SEC_EFF 06-OCT-2009
	MDL Units				
Aluminum	47 UG/L	173	130	106	108
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.58	0.79	0.69	0.54
Barium	.039 UG/L	67.6	72.3	62.3	65.1
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	336	328	352	322
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	1.2	ND	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	38.2	7.6	7.0	11.5
Iron	37 UG/L	ND	54.0	49.0	50.0
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	29.7	23.4	21.0	14.0
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	3.7	3.2	3.5	3.6
Nickel	.53 UG/L	3.4	3.0	3.5	4.2
Selenium	.28 UG/L	0.57	0.93	0.67	0.56
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	ND	ND	ND
Zinc	2.5 UG/L	41.6	34.4	36.8	31.0
Calcium Hardness	.1 MG/L	184	190	174	174
Magnesium Hardness	.4 MG/L	131	118	109	112
Total Hardness	.4 MG/L	315	308	283	286
Total Alkalinity (bicarbonate)	20 MG/L	174	167	151	157
Calcium	.04 MG/L	73.8	76.2	69.8	69.7
Lithium	.002 MG/L	0.03	0.04	0.04	0.04
Magnesium	.1 MG/L	31.7	28.6	26.5	27.3
Potassium	.3 MG/L	17.0	17.0	18.8	18.9
Sodium	1 MG/L	180	173	179	195
Bromide	.1 MG/L	0.45	0.48	ND	0.20
Chloride	7 MG/L	248	235	212	221
Fluoride	.05 MG/L	0.62	0.73	0.42	0.55
Nitrate	.04 MG/L	28.0	35.9	35.3	38.1
Ortho Phosphate	.2 MG/L	8.5	2.8	1.3	1.5
Sulfate	9 MG/L	198	263	208	216
Cyanides, Total	.002 MG/L	0.002	ND	ND	ND
BOD	2 MG/L	11.3	7.1	6.2	6.7
pH	PH	7.4	7.6	7.8	7.5
Temperature	DEGREE_C	NR	NR	NR	NR
Grease/oil	MG/L	NR	NR	NR	NR
Settleable Solids	.1 ML/L	ND	ND	ND	ND
Turbidity	.13 NTU	3.0	2.8	3.3	2.6
Total Kjeldahl Nitrogen	1.6 MG/L	3.2	2.4	2.2	2.2
Chlorine Residual, Total	.03 MG/L	NR	NR	NR	NR
Ammonia-N	.3 MG/L	0.4	ND	ND	ND
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Dissolved Oxygen	MG/L	NR	NR	NR	NR
Total Suspended Solids	1.4 MG/L	7.3	7.6	7.3	8.0
Volatile Suspended Solids	1.6 MG/L	6.5	6.0	5.7	7.8
Total Dissolved Solids	28 MG/L	1150	1000	952	976
MBAS (Surfactants)	.03 MG/L	0.5	0.2	0.2	0.2

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:			RAW SLUDGE 03-FEB-2009	RAW SLUDGE 05-MAY-2009	RAW SLUDGE 04-AUG-2009	RAW SLUDGE 06-OCT-2009
	MDL Units					
Aluminum	47 UG/L		22400	10900	16100	33600
Antimony	2.9 UG/L		13.2	4.4	6.8	4.9
Arsenic	.4 UG/L		6.04	3.48	1.49	9.02
Barium	.039 UG/L		834	421	611	961
Beryllium	.022 UG/L		0.17	0.13	0.10	1.19
Boron	7 UG/L		353	337	355	366
Cadmium	.53 UG/L		3.8	2.3	2.6	3.7
Chromium	1.2 UG/L		79.1	41.1	48.0	65.8
Cobalt	.85 UG/L		7.1	5.4	7.4	8.1
Copper	2 UG/L		1270	710	904	1330
Iron	37 UG/L		16400	6630	10100	14100
Lead	2 UG/L		168	23.8	50.5	49.7
Manganese	.24 UG/L		411	202	227	321
Mercury	.09 UG/L		15.3	1.8	4.5	6.2
Molybdenum	.89 UG/L		43.8	26.8	39.6	56.9
Nickel	.53 UG/L		74.8	37.1	49.3	61.4
Selenium	.28 UG/L		ND	ND	0.35	4.38
Silver	.4 UG/L		21.4	8.5	18.3	19.1
Thallium	3.9 UG/L		8.5	ND	4.8	13.6
Vanadium	.64 UG/L		29.9	15.5	23.2	40.8
Zinc	2.5 UG/L		3110	1380	2240	2950
Calcium Hardness	.1 MG/L		NR	NR	NR	NR
Magnesium Hardness	.4 MG/L		NR	NR	NR	NR
Total Hardness	.4 MG/L		NR	NR	NR	NR
Total Alkalinity (bicarbonate)	20 MG/L		666	526	674	696
Calcium	.04 MG/L		95.4	89.9	69.3	89.0
Lithium	.002 MG/L		0.03	0.04	0.04	0.04
Magnesium	.1 MG/L		36.8	36.2	30.4	32.1
Potassium	.3 MG/L		25.8	27.6	29.0	31.6
Sodium	1 MG/L		181	197	184	194
Bromide	.1 MG/L		0.28	0.38	0.31	0.16
Chloride	7 MG/L		160	239	211	220
Fluoride	.05 MG/L		0.36	0.50	0.24	0.53
Nitrate	.04 MG/L		0.18	0.16	0.21	0.25
Ortho Phosphate	.2 MG/L		18.4	35.4	41.4	36.3
Sulfate	9 MG/L		61.9	124	64.7	88.7
Cyanides, Total	.002 MG/L		ND	0.003	0.003	0.003
BOD	2 MG/L		NR	NR	NR	NR
pH	PH		NR	NR	NR	NR
Temperature	DEGREE_C		NR	NR	NR	NR
Grease/oil	MG/L		NR	NR	NR	NR
Settleable Solids	.1 ML/L		NR	NR	NR	NR
Turbidity	.13 NTU		NR	NR	NR	NR
Total Kjeldahl Nitrogen	1.6 MG/L		278	170	237	319
Sulfides-Total	.18 MG/L		29.6	23.1	18.1	41.7

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2009

Source: Date:		REC_WATER 03-FEB-2009	REC_WATER 05-MAY-2009	REC_WATER 04-AUG-2009	REC_WATER 06-OCT-2009
	MDL Units				
=====	=====	=====	=====	=====	=====
Aluminum	47 UG/L	157	187	145	95.5
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.60	0.95	4.39	0.73
Barium	.039 UG/L	67.0	74.5	61.1	65.3
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	343	346	359	321
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	<1.2	<1.2	1.3
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	9.9	11.6	20.1	7.6
Iron	37 UG/L	ND	54.0	136	<37.0
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	29.5	14.7	10.7	14.7
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	3.9	3.5	3.5	3.4
Nickel	.53 UG/L	4.3	3.8	6.2	3.8
Selenium	.28 UG/L	0.52	0.89	3.00	0.58
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	ND	ND	<0.6
Zinc	2.5 UG/L	38.0	32.8	37.3	32.2
=====	=====	=====	=====	=====	=====
Calcium Hardness	.1 MG/L	186	202	170	179
Magnesium Hardness	.4 MG/L	133	130	106	115
Total Hardness	.4 MG/L	319	331	276	294
Total Alkalinity (bicarbonate)	20 MG/L	179	169	152	154
=====	=====	=====	=====	=====	=====
Calcium	.04 MG/L	74.4	80.8	68.0	71.6
Lithium	.002 MG/L	0.03	0.04	0.04	0.04
Magnesium	.1 MG/L	32.3	31.5	25.7	28.0
Potassium	.3 MG/L	16.9	18.7	17.8	19.7
Sodium	1 MG/L	182	194	175	200
=====	=====	=====	=====	=====	=====
Bromide	.1 MG/L	0.41	0.35	0.26	0.19
Chloride	7 MG/L	253	239	210	225
Fluoride	.05 MG/L	0.82	0.63	0.36	0.49
Nitrate	.04 MG/L	27.3	32.1	34.4	40.5
Ortho Phosphate	.2 MG/L	8.8	2.8	1.1	1.4
Sulfate	9 MG/L	204	275	212	219
Cyanides, Total	.002 MG/L	0.002	0.003	0.003	0.003
BOD	2 MG/L	2.2	ND	ND	ND
pH	PH	7.3	7.6	7.6	7.5
Turbidity	.13 NTU	1.2	1.0	0.8	0.5
Total Kjeldahl Nitrogen	1.6 MG/L	2.1	1.6	ND	ND
Ammonia-N	.3 MG/L	ND	ND	ND	0.5
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	2.2	ND	ND	ND
Volatile Suspended Solids	1.6 MG/L	2.1	ND	ND	ND
Total Dissolved Solids	28 MG/L	1530	973	952	941
MBAS (Surfactants)	.03 MG/L	0.5	0.2	0.2	0.2

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Ammonia-Nitrogen and Total Cyanides

Annual 2009

Total Cyanide, MDL=0.002 mg/L

	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF	RSL
Limit:	=====	=====	=====	=====	=====	=====
03-FEB-2009	ND	0.003	0.003	ND	0.002	ND
05-MAY-2009	ND	ND	0.022	ND	ND	0.003
04-AUG-2009	ND	ND	0.050	ND	ND	0.003
06-OCT-2009	ND	ND	0.049	ND	ND	0.003
=====	=====	=====	=====	=====	=====	=====
AVERAGE	ND	0.001	0.031	ND	0.001	0.002

Ammonia as Nitrogen, MDL=0.3 mg/L

	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF
Limit:	=====	=====	=====	=====	=====
03-FEB-2009	34.5	0.7	30.1	32.7	0.4
05-MAY-2009	28.2	ND	38.6	40.0	ND
04-AUG-2009	34.4	ND	35.8	36.5	ND
06-OCT-2009	35.2	ND	NA*	39.5	ND
=====	=====	=====	=====	=====	=====
AVERAGE	33.1	0.2	34.8	37.2	0.1

* Insufficient sample volume to complete all analysis
 ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity

Annual 2009

Analyzed by: TestAmerica Laboratories Richland

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
INFLUENT	03-FEB-2009	P458506	2.9 ± 2.3	22.8 ± 5.1
INFLUENT	05-MAY-2009	P468782	4.2 ± 2.2	18.5 ± 3.9
INFLUENT	04-AUG-2009	P481319	4.5 ± 2.2	22.0 ± 5.2
INFLUENT	06-OCT-2009	P490583	0.4 ± 2.2	22.5 ± 4.9
EFFLUENT	04-AUG-2009	P481324	1.4 ± 1.6	18.4 ± 3.7
EFFLUENT	06-OCT-2009	P490588	1.2 ± 1.8	21.6 ± 4.3
COMB EFF	03-FEB-2009	P458516	2.7 ± 2.1	26.6 ± 5.5
COMB EFF	05-MAY-2009	P468792	5.9 ± 3.5	22.5 ± 5.2
COMB EFF	04-AUG-2009	P481329	2.4 ± 3.1	25.9 ± 6.6
COMB EFF	06-OCT-2009	P490593	0.2 ± 2.6	23.7 ± 5.4
PRI EFF	03-FEB-2009	P458521	0.4 ± 1.3	25.7 ± 4.8
PRI EFF	05-MAY-2009	P468797	2.0 ± 1.9	25.0 ± 4.7
PRI EFF	04-AUG-2009	P481334	3.2 ± 2.0	21.3 ± 4.3
PRI EFF	06-OCT-2009	P490598	1.2 ± 1.6	20.8 ± 5.0
SEC EFF	03-FEB-2009	P458526	2.7 ± 1.7	18.9 ± 5.0
SEC EFF	05-MAY-2009	P468802	2.0 ± 1.5	18.8 ± 4.6
SEC EFF	04-AUG-2009	P481339	4.2 ± 2.8	17.4 ± 4.2
SEC EFF	06-OCT-2009	P490603	0.7 ± 1.6	17.7 ± 3.7
AVERAGE			3.0 ± 2.2	21.5 ± 4.8

Units in picocuries/liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			03-FEB-2009 P458506	05-MAY-2009 P468782	04-AUG-2009 P481319	06-OCT-2009 P490583
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	5	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	5	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	5	0

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			03-FEB-2009 P458511	05-MAY-2009 P468787	04-AUG-2009 P481324	06-OCT-2009 P490588
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	COMB EFF	COMB EFF	COMB EFF	COMB EFF
			03-FEB-2009 P458516	05-MAY-2009 P468792	04-AUG-2009 P481329	06-OCT-2009 P490593
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	6
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	6
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	6

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	PRI EFF	PRI EFF	PRI EFF	PRI EFF
			03-FEB-2009 P458521	05-MAY-2009 P468797	04-AUG-2009 P481334	06-OCT-2009 P490598
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	5
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	5
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	5

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			03-FEB-2009 P458526	05-MAY-2009 P468802	04-AUG-2009 P481339	06-OCT-2009 P490603
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2009

Analyte	MDL	Units	RSL	RSL	RSL	RSL
			03-FEB-2009 P458540	05-MAY-2009 P468814	04-AUG-2009 P481353	06-OCT-2009 P490615
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	67	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	67	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	67	0

ND=not detected

NA=not analyzed

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

SOUTH BAY WATER RECLAMATION PLANT
Pesticides
EPA Method 614/622 (with additions)

Annual 2009

Analyte	MDL	Units	INF	INF	EFF	EFF	COMB EFF
			05-MAY-2009 P468782	06-OCT-2009 P490583	05-MAY-2009 P468787	06-OCT-2009 P490588	05-MAY-2009 P468792
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
Dichlorvos	.05	UG/L	ND	0.1	ND	ND	0.4
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
Stiropfos	.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
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	0.1	0.0	0.0	0.4

ND=not detected
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Pesticides
EPA Method 614/622 (with additions)

Annual 2009

Analyte	MDL Units	COMB EFF	PRI EFF	PRI EFF	SEC EFF	SEC EFF
		06-OCT-2009 P490593	05-MAY-2009 P468797	06-OCT-2009 P490598	05-MAY-2009 P468802	06-OCT-2009 P490603
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	0.2	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	0.3	ND	0.1	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
Thiophosphorus Pesticides	.15 UG/L	0.2	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	0.5	0.0	0.1	0.0	0.0

ND=not detected
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Pesticides
EPA Method 614/622 (with additions)

Annual 2009

Analyte	MDL	Units	RSL	RSL	RECLAIM	RECLAIM
			05-MAY-2009 P468814	06-OCT-2009 P490615	05-MAY-2009 P468816	06-OCT-2009 P490617
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	ND	ND	ND	ND
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	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.0	0.0	0.0	0.0
Demeton -O, -S	.15	UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.0	0.0	0.0	0.0

ND=not detected
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	SB_INF_02	SB_INF_02	SB_INF_02	SB_INF_02
			03-FEB-2009 P458506	05-MAY-2009 P468782	04-AUG-2009 P481319	06-OCT-2009 P490583
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzydine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	18.1	17.6	15.2	9.0
Diethyl phthalate	3.05	UG/L	12.0	12.1	13.3	9.8
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	30.1	29.7	28.5	18.8

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	Effluent	Effluent	Effluent	Effluent
			03-FEB-2009 P458511	05-MAY-2009 P468787	04-AUG-2009 P481324	06-OCT-2009 P490588
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
			03-FEB-2009 P458516	05-MAY-2009 P468792	04-AUG-2009 P481329	06-OCT-2009 P490593
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	1.7	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	17.2	18.0	16.9	15.7
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	17.2	18.0	18.6	15.7

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10
			03-FEB-2009 P458521	05-MAY-2009 P468797	04-AUG-2009 P481334	06-OCT-2009 P490598
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzydine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	24.5	11.2	61.5	26.2
Diethyl phthalate	3.05	UG/L	10.9	8.1	9.1	7.3
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	35.4	19.3	70.6	33.5

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20
			03-FEB-2009 P458526	05-MAY-2009 P468802	04-AUG-2009 P481339	06-OCT-2009 P490603
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	21.5	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	21.5	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2009

Analyte	MDL	Units	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
			03-FEB-2009 P458542	05-MAY-2009 P468816	04-AUG-2009 P481355	06-OCT-2009 P490617
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2009

Analyte:	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			03-FEB-2009 P458506	05-MAY-2009 P468782	04-AUG-2009 P481319	06-OCT-2009 P490583
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	35.0	32.6	40.5	38.0
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	124	108	109	110
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	35.0	32.6	40.5	38.0
Total Phenols	2.16	UG/L	35.0	32.6	40.5	38.0

Analyte:	MDL	Units	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			03-FEB-2009 P458511	05-MAY-2009 P468787	04-AUG-2009 P481324	06-OCT-2009 P490588
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2009

Analyte:	MDL	Units	COMB EFF	COMB EFF	COMB EFF	COMB EFF
			03-FEB-2009 P458516	05-MAY-2009 P468792	04-AUG-2009 P481329	06-OCT-2009 P490593
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	13.5	24.2	18.0	9.8
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	7.1	3.4	3.7	3.3
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	13.5	24.2	18.0	9.8
Total Phenols	2.16	UG/L	13.5	24.2	18.0	9.8

Analyte:	MDL	Units	PRI EFF	PRI EFF	PRI EFF	PRI EFF
			03-FEB-2009 P458521	05-MAY-2009 P468797	04-AUG-2009 P481334	06-OCT-2009 P490598
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	6.7	26.7	32.3	17.1
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	11.2	74.1	89.9	42.4
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	6.7	26.7	32.3	17.1
Total Phenols	2.16	UG/L	6.7	26.7	32.3	17.1

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2009

Analyte:	MDL	Units	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			03-FEB-2009 P458526	05-MAY-2009 P468802	04-AUG-2009 P481339	06-OCT-2009 P490603
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Analyte:	MDL	Units	RSL	RSL	RSL	RSL
			03-FEB-2009 P458540	05-MAY-2009 P468814	04-AUG-2009 P481353	06-OCT-2009 P490615
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	85.0	95.1	104	101
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	249	224	150	197
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	85.0	95.1	104	101
Total Phenols	2.16	UG/L	85.0	95.1	104	101

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2009

Analyte:	MDL	Units	REC WATER	REC WATER	REC WATER	REC WATER
			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
			P458542	P468816	P481355	P490617
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B
Annual 2009

Analyte	MDL Units	SB_INF_02	SB_INF_02	SB_INF_02	SB_INF_02
		03-FEB-2009 P458509	05-MAY-2009 P468785	04-AUG-2009 P481322	06-OCT-2009 P490586
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	0.8	0.7	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	3.7	3.0	2.3	1.7
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	0.9	0.8	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	1.1	1.5	1.2	0.8
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	4.09*	1.3	1.7	1.35*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	0.6	12.1	0.7	0.6
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	3.7	4.3	4.0	1.7

Additional Analytes Determined

Purgeable Compounds	1.3 UG/L	7.1	19.4	5.9	3.1
Acetone	4.5 UG/L	279.0	200.0	292.0	176.0
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	2.0	1.3	5.6	2.1
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_OUTFALL_00	SB_OUTFALL_00	SB_OUTFALL_01	SB_OUTFALL_01
		03-FEB-2009 P458514	05-MAY-2009 P468790	04-AUG-2009 P481327	06-OCT-2009 P490591
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	0.6	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.4	0.8	0.6	0.9
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	ND	0.5	1.4	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	0.67*	0.5	0.4	0.75*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	1.4	1.3	1.0	0.9
Additional Analytes Determined					
Purgeable Compounds	1.3 UG/L	2.0	1.8	2.4	0.9
Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
		03-FEB-2009 P458519	05-MAY-2009 P468795	04-AUG-2009 P481332	06-OCT-2009 P490596
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	1.3	ND	ND	ND
Bromoform	.5 UG/L	0.8	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	4.1	3.0	3.0	4.0
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	1.7	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	3.1	3.1	3.7	3.4
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	0.4	0.7	0.3	2.3
Methylene chloride	.3 UG/L	1.37*	1.5	2.2	2.61*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	7.1	9.6	149.0	173.0
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.8	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	4.1	4.5	5.2	4.0
Additional Analytes Determined					
Purgeable Compounds	1.3 UG/L	18.5	17.9	158	182
Acetone	4.5 UG/L	253	389	388	2050
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	7.4	10.2	64.7
Carbon disulfide	.6 UG/L	1.4	1.1	2.0	2.0
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	3.8	3.5	3.7	70.4
meta,para xylenes	.6 UG/L	1.7	2.8	1.3	11.8
Methyl tert-butyl ether	.4 UG/L	ND	0.4	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	1.0	1.7	0.8	7.7
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10
		03-FEB-2009 P458524	05-MAY-2009 P468800	04-AUG-2009 P481337	06-OCT-2009 P490601
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	0.7	ND	ND	ND
Bromoform	.5 UG/L	0.6	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	3.1	1.9	3.5	1.2
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	0.8	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	0.8	0.9	0.7	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	1.64*	0.9	1.3	16.2
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	0.6	0.8	0.5	0.6
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.6	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	3.1	2.8	4.8	17.4

Additional Analytes Determined

Purgeable Compounds	1.3 UG/L	6.6	4.5	6.0	18.0
Acetone	4.5 UG/L	288	449	246	369
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	6.7	ND	7.1	ND
Carbon disulfide	.6 UG/L	4.1	2.4	3.0	1.9
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20
		03-FEB-2009 P458529	05-MAY-2009 P468805	04-AUG-2009 P481342	06-OCT-2009 P490606
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	0.6	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.1	0.8	0.6	0.7
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	ND	0.6	<0.4	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	0.6*	0.5	0.4	0.72*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.6	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	1.1	1.3	1.0	0.7
Additional Analytes Determined					
Purgeable Compounds	1.3 UG/L	1.7	1.9	1.0	0.7
Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
		03-FEB-2009 P458545	05-MAY-2009 P468819	04-AUG-2009 P481358	06-OCT-2009 P490620
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	8.9	3.8	10.9	11.3
Bromoform	.5 UG/L	0.9	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	11.6	7.0	19.3	22.0
Chloromethane	.5 UG/L	0.6	ND	<0.5	ND
Dibromochloromethane	.6 UG/L	5.2	1.7	4.6	4.3
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	0.88*	0.6	0.6	0.78*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	1.5	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	12.2	7.6	19.9	22.0
Additional Analytes Determined					
Purgeable Compounds	1.3 UG/L	27.2	13.1	35.4	37.6
Acetone	4.5 UG/L	6.3	5.3	ND	6.0
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL Units	SB_RSL_10_B	SB_RSL_10_B	SB_RSL_10_B
		05-MAY-2009 P468814	04-AUG-2009 P481353	06-OCT-2009 P490615
Acrolein	1.3 UG/L	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND
2-chloroethylvinyl ether	1.1 UG/L	ND	ND	ND
Chloroform	.2 UG/L	3.5	2.5	2.1
Chloromethane	.5 UG/L	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND
1,2-dichlorobenzene	.4 UG/L	ND	ND	ND
1,3-dichlorobenzene	.5 UG/L	ND	ND	ND
1,4-dichlorobenzene	.4 UG/L	2.17^	1.84^	2.0
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND
1,1-dichloroethane	.4 UG/L	ND	ND	ND
1,2-dichloroethane	.5 UG/L	ND	ND	ND
1,1-dichloroethene	.4 UG/L	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND
1,2-dichloropropane	.3 UG/L	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND
Methylene chloride	.3 UG/L	2.0	2.7	7.5*
1,1,2,2-tetrachloroethane	.5 UG/L	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND
Toluene	.4 UG/L	7.8	1.3	1.4
1,1,1-trichloroethane	.4 UG/L	ND	ND	ND
1,1,2-trichloroethane	.5 UG/L	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	5.5	5.2	2.1

Additional Analytes Determined

Purgeable Compounds	1.3 UG/L	13.3	6.5	5.5
Acetone	4.5 UG/L	171	234	332
Allyl chloride	.6 UG/L	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND
1,2-dibromoethane	.3 UG/L	ND	ND	ND
2-butanone	6.3 UG/L	ND	6.9	6.8
Carbon disulfide	.6 UG/L	1.7	4.1	2.5
1,2,4-trichlorobenzene	.7 UG/L	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND
4-methyl-2-pentanone	1.3 UG/L	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	0.7	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND
2-nitropropane	12 UG/L	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND

^=The method blanks results for 1,4-dichlorobenzene were above the 0.4 UG/L MDL.

*=The method blanks results for Methylene Chloride were above the 0.3 UG/L MDL.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2009

Analyte	MDL	Units	SB_RSL_10_B
			03-FEB-2009 P458540
Acrolein	6.4	UG/KG	ND
Acrylonitrile	3.9	UG/KG	ND
Benzene	2.1	UG/KG	ND
Bromodichloromethane	2.2	UG/KG	ND
Bromoform	2.4	UG/KG	ND
Bromomethane	6.9	UG/KG	ND
Carbon tetrachloride	3	UG/KG	ND
Chlorobenzene	1	UG/KG	ND
Chloroethane	3.6	UG/KG	ND
2-chloroethylvinyl ether	5.5	UG/KG	ND
Chloroform	2.3	UG/KG	305
Chloromethane	3.4	UG/KG	ND
Dibromochloromethane	2.4	UG/KG	ND
Dichlorodifluoromethane		UG/KG	ND
1,1-dichloroethane	1.9	UG/KG	ND
1,2-dichloroethane	3.6	UG/KG	ND
1,1-dichloroethene	5	UG/KG	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND
1,2-dichloropropane	2.6	UG/KG	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND
Ethylbenzene	1.4	UG/KG	83.4
Methylene chloride	3.5	UG/KG	1230
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND
Tetrachloroethene	2.8	UG/KG	ND
Toluene	1.2	UG/KG	257
1,1,1-trichloroethane	3.2	UG/KG	ND
1,1,2-trichloroethane	2.8	UG/KG	ND
Trichloroethene	2.6	UG/KG	ND
Trichlorofluoromethane	2.2	UG/KG	ND
Vinyl chloride	4.8	UG/KG	ND
Halomethane Purgeable Cmpnds	6.9	UG/KG	0.0
Total Chloromethanes	3.5	UG/KG	1535
Purgeable Compounds	6.9	UG/KG	1875
Acetone	31.4	UG/KG	15500
Allyl chloride	3.6	UG/KG	ND
Benzyl chloride	4.3	UG/KG	ND
1,2-dibromoethane	2.5	UG/KG	ND
2-butanone	36.3	UG/KG	690
Carbon disulfide	4.7	UG/KG	328
1,2,4-trichlorobenzene	2.5	UG/KG	47.4
Chloroprene	3.1	UG/KG	ND
Isopropylbenzene	1.3	UG/KG	52.2
Methyl Iodide	3.8	UG/KG	ND
Methyl methacrylate	2.4	UG/KG	225
4-methyl-2-pentanone	9.7	UG/KG	ND
meta,para xylenes	4.2	UG/KG	313
Methyl tert-butyl ether	3.4	UG/KG	ND
2-nitropropane	45.8	UG/KG	ND
ortho-xylene	1.9	UG/KG	ND
Styrene	1.7	UG/KG	47.4

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Tributyl Tin Analysis

Annual 2009

Analyte	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			P458506	P468782	P481319	P490583	P458511	P468787	P481324
			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009	03-FEB-2009	05-MAY-2009	04-AUG-2009
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	EFFLUENT	COMB EFF	COMB EFF	COMB EFF	COMB EFF	PRI EFF	PRI EFF
			P490588	P458516	P468792	P481329	P490593	P458521	P468797
			06-OCT-2009	03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009	03-FEB-2009	05-MAY-2009
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PRI EFF	PRI EFF	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			P481334	P490598	P458526	P468802	P481339	P490603
			04-AUG-2009	06-OCT-2009	03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND

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

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2009

Analytes	MDL Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT	INFLUENT	INFLUENT
			TCDD		TCDD			
			03-FEB-2009	03-FEB-2009	03-FEB-2009	03-FEB-2009	05-MAY-2009	05-MAY-2009
			P458506	P458506	P458511	P458511	P468782	P468782
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	EFFLUENT	EFFLUENT	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
			TCDD		TCDD			
			05-MAY-2009	05-MAY-2009	04-AUG-2009	04-AUG-2009	04-AUG-2009	04-AUG-2009
			P468787	P468787	P481319	P481319	P481324	P481324
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

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

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2009

Analytes	MDL Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
			TCDD		TCDD	
			06-OCT-2009 P490583	06-OCT-2009 P490583	06-OCT-2009 P490588	06-OCT-2009 P490588
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF	COMB EFF	COMB EFF
			TCDD		TCDD		TCDD	
			03-FEB-2009 P458516	03-FEB-2009 P458516	03-FEB-2009 P458521	03-FEB-2009 P458521	05-MAY-2009 P468792	05-MAY-2009 P468792
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

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

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2009

Analytes	MDL Units	Equiv.	PRIMARY EFF	PRIMARY EFF	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF
			TCDD		TCDD		TCDD	
			05-MAY-2009	05-MAY-2009	04-AUG-2009	04-AUG-2009	04-AUG-2009	04-AUG-2009
			P468797	P468797	P481329	P481329	P481334	P481334
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF
			TCDD		TCDD	
			06-OCT-2009	06-OCT-2009	06-OCT-2009	06-OCT-2009
			P490593	P490593	P490598	P490598
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

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

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2009

Analytes	MDL Units	Equiv.	SEC EFF	SEC EFF	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			TCDD		TCDD		TCDD	
			03-FEB-2009 P458526	03-FEB-2009 P458526	05-MAY-2009 P468802	05-MAY-2009 P468802	04-AUG-2009 P481339	04-AUG-2009 P481339
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	SEC EFF	SEC EFF
			TCDD	
			06-OCT-2009 P490603	06-OCT-2009 P490603
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND
1,2,3,4,7,8-hexa_CDD	113 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND
octa CDD	247 PG/L	0.001	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND
octa CDF	222 PG/L	0.001	ND	ND

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