

TABLE 4-4
PALMDALE WATER RECLAMATION PLANT
2000 EFFLUENT MONITORING LABORATORY DATA

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
615	P-DICHLORO BENZENE	UGL						< 0.5							0 - < 0.5	< 0.5	< 0.5
616	1,1-DICHLOROETHANE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
618	1,1,2-TRICHLOROETHANE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
619	1,2-DICHLOROETHANE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
620	BENZENE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
621	TOLUENE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
624	ETHYL BENZENE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
645	TRANS-1,2-DICHLOROETHYLENE	UGL						< 0.3							0 - < 0.3	< 0.3	< 0.3
646	BROMOMETHANE	UGL						< 1							0 - < 1	< 1	< 1
647	CHLOROETHANE	UGL						< 2.5							0 - < 2.5	< 2.5	< 2.5
648	2-CHLOROETHYL VINYL ETHER	UGL						< 1							0 - < 1	< 1	< 1
649	CHLOROMETHANE	UGL						< 2.5							0 - < 2.5	< 2.5	< 2.5
650	1,2-DICHLOROPROPANE	UGL						< 0.5							0 - < 0.5	< 0.5	< 0.5
651	CIS-1,3-DICHLOROPROPENE	UGL						< 0.5							0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UGL						< 0.5							0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UGL						< 0.5							0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UGL						< 10							0 - < 10	< 10	< 10
655	ACRYLONITRILE	UGL						< 10							0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UGL						< 2.5							0 - < 2.5	< 2.5	< 2.5
703	CALCIUM	MGL						37.1							37.1	37.1	37.1
704	MAGNESIUM	MGL						12.2							12.2	12.2	12.2
705	ARSENIC	MGL						< 0.0010							0 - < 0.0010	< 0.0010	< 0.0010
706	BARIUM	MGL						0.02							0.02	0.02	0.02
708	CADMIUM	MGL						< 0.0002							0 - < 0.0002	< 0.0002	< 0.0002
709	TOTAL CHROMIUM	MGL						< 0.01							0 - < 0.01	< 0.01	< 0.01
712	COPPER	MGL						< 0.01							< 0.01 - 0.01	< 0.01	< 0.01
714	LEAD	MGL						< 0.01							0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MGL						0.02							0.02	0.02	0.02
717	MERCURY	MGL						< 0.0001							0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MGL						< 0.02							0 - < 0.02	< 0.02	< 0.02
720	SELENIUM	MGL						< 0.0010							0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MGL						< 0.01							0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MGL						118	120	114					110.3	120	97.3
724	ZINC	MGL						0.07							0.10	0.12	0.07
725	ANTIMONY	MGL						< 0.0005							0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MGL						< 0.0025							0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MGL						< 0.001							0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UGL						< 1							0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UGL						< 1							0 - < 1	< 1	< 1
802	ANTHRACENE	UGL						< 1							0 - < 1	< 1	< 1
803	BENZIDINE	UGL						< 20							0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UGL						< 0.2							0 - < 0.2	< 0.2	< 0.2
805	BENZO(A)PYRENE	UGL						< 1							0 - < 1	< 1	< 1
806	BENZO(B)FLUORANTHENE	UGL						< 1							0 - < 1	< 1	< 1
807	BENZO(GH)PERYLENE	UGL						< 1							0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UGL						< 1							0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UGL						< 1							0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UGL						< 1							0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UGL						< 1							0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UGL						< 1							0 - < 1	< 1	< 1
813	4-BROMOPHENYL PHTHALATE	UGL						< 1							0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UGL						< 1							0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UGL						< 1							0 - < 1	< 1	< 1
816	4-CHLOROPHENYL PHENYLETHER	UGL						< 1							0 - < 1	< 1	< 1
817	CHRYSENE	UGL						< 1							0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UGL						< 1							0 - < 1	< 1	< 1
819	1,2-DICHLORO BENZENE	UGL						< 1							0 - < 1	< 1	< 1
820	1,3-DICHLORO BENZENE	UGL						< 1							0 - < 1	< 1	< 1
821	1,4-DICHLORO BENZENE	UGL						< 1							0 - < 1	< 1	< 1
822	3,3'-DICHLORO BENZIDINE	UGL						< 1							0 - < 1	< 1	< 1

TABLE 4-4
PALMDALE WATER RECLAMATION PLANT
2000 EFFLUENT MONITORING LABORATORY DATA

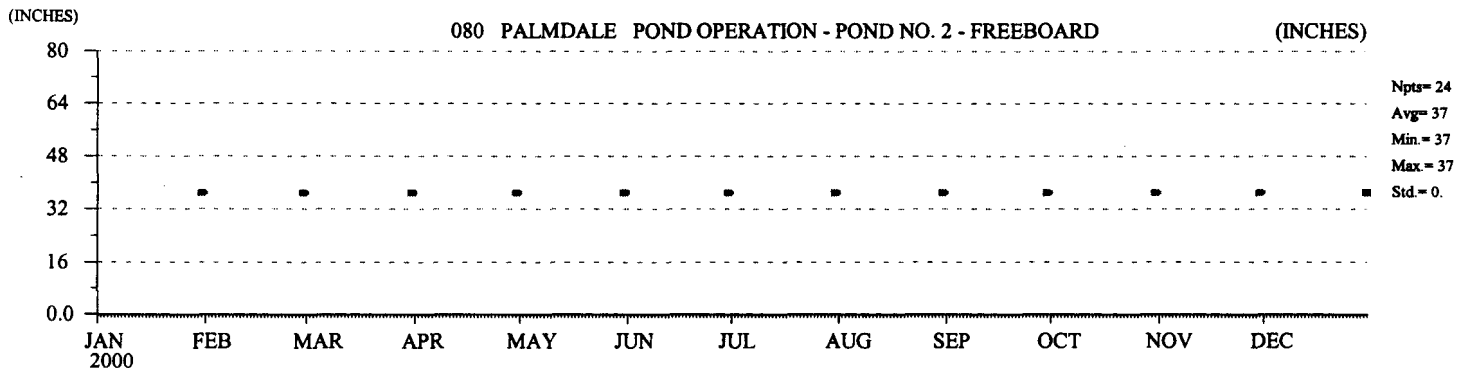
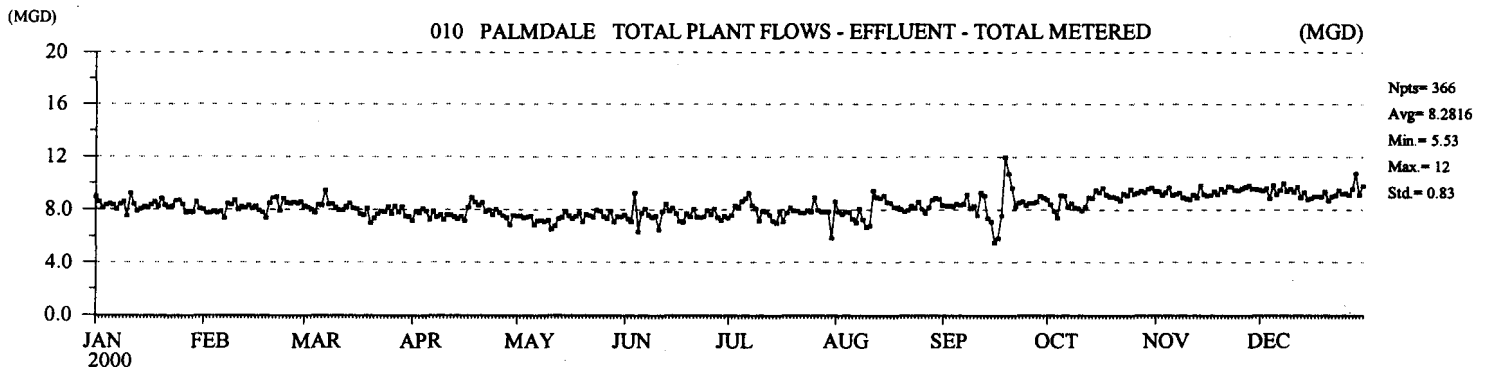
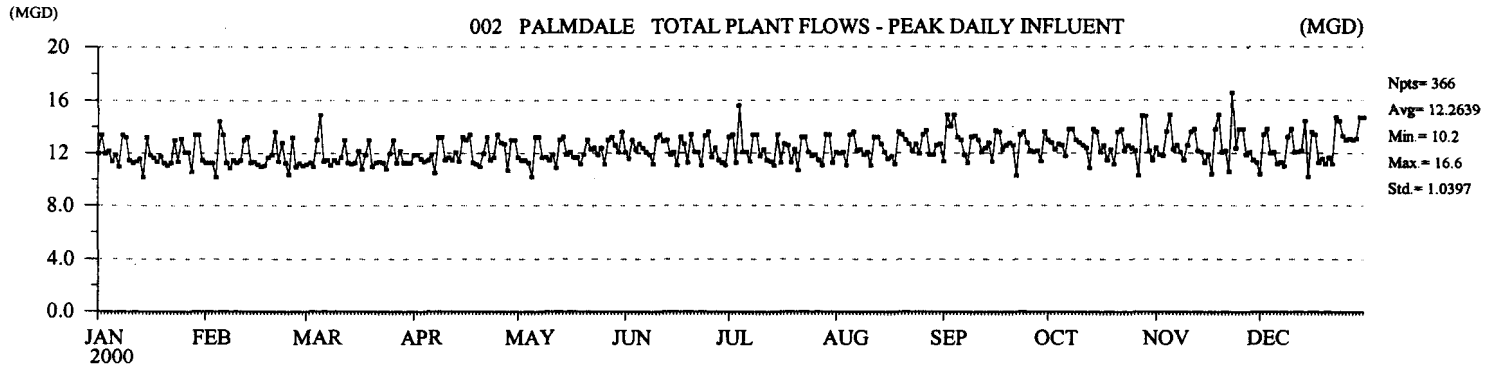
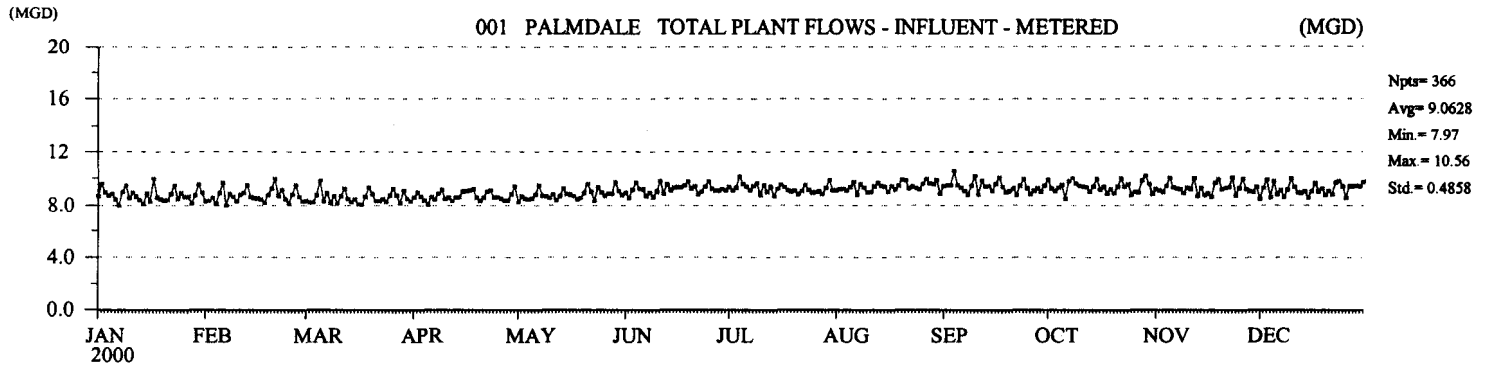
TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L						< 1							0 - < 1	< 1	< 1
824	DIMETHYL PHTHALATE	UG/L						< 1							0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L						< 1							0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L						< 1							0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L						< 1							0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L						< 1							0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L						< 1							0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L						< 1							0 - < 1	< 1	< 1
831	FLUORENE	UG/L						< 1							0 - < 1	< 1	< 1
832	HEXACHLOROBENZENE	UG/L						< 1							0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L						< 1							0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L						< 5							0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L						< 1							0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L						< 1							0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L						< 1							0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L						< 1							0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L						< 1							0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L						< 1							0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L						< 1							0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L						< 1							0 - < 1	< 1	< 1
843	PYRENE	UG/L						< 1							0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L						< 2							0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L						< 1							0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L						< 6							0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
855	PHENOL	UG/L						< 1							0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L						< 1							0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L						< 1							0 - < 1	< 1	< 1
C15	HYDROCARBONS-MODIFIED8015	MG/L									0.78			1.6	1.19	1.6	0.78

PALMDALE WATER RECLAMATION PLANT

FIGURE 4-1

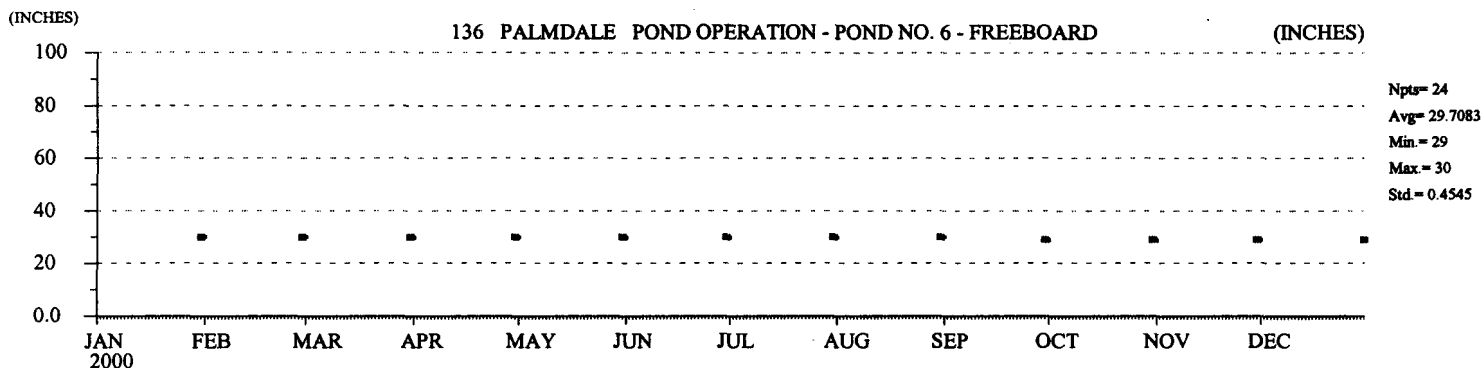
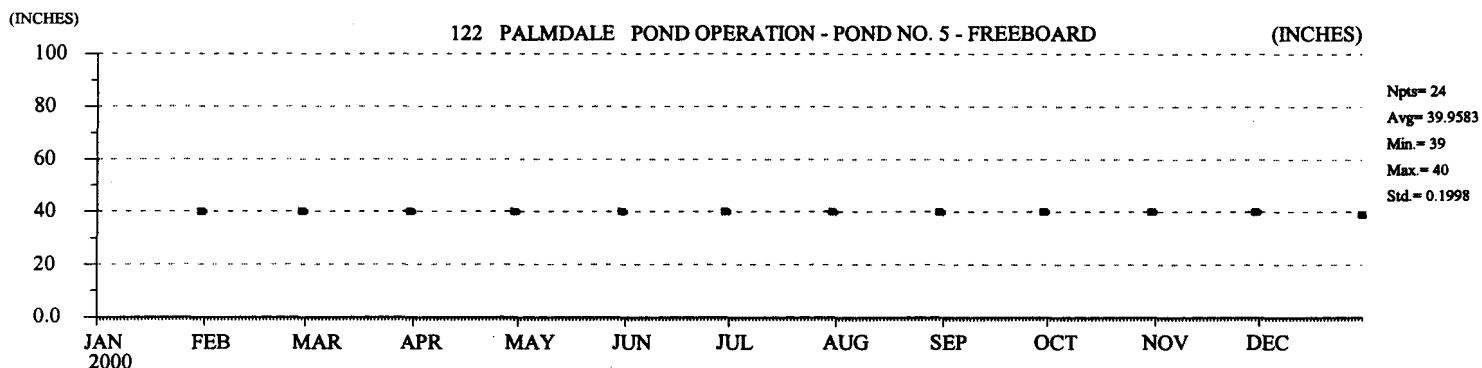
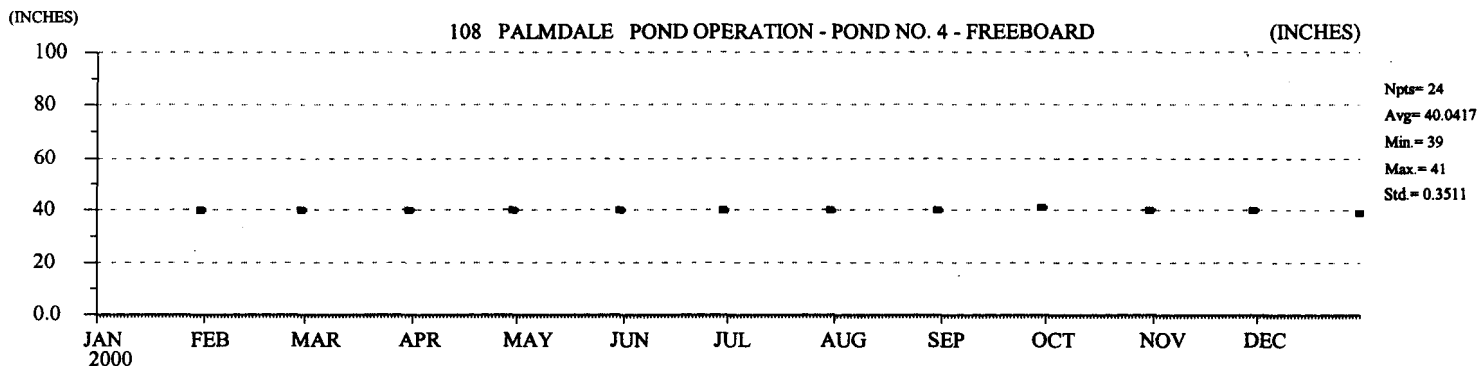
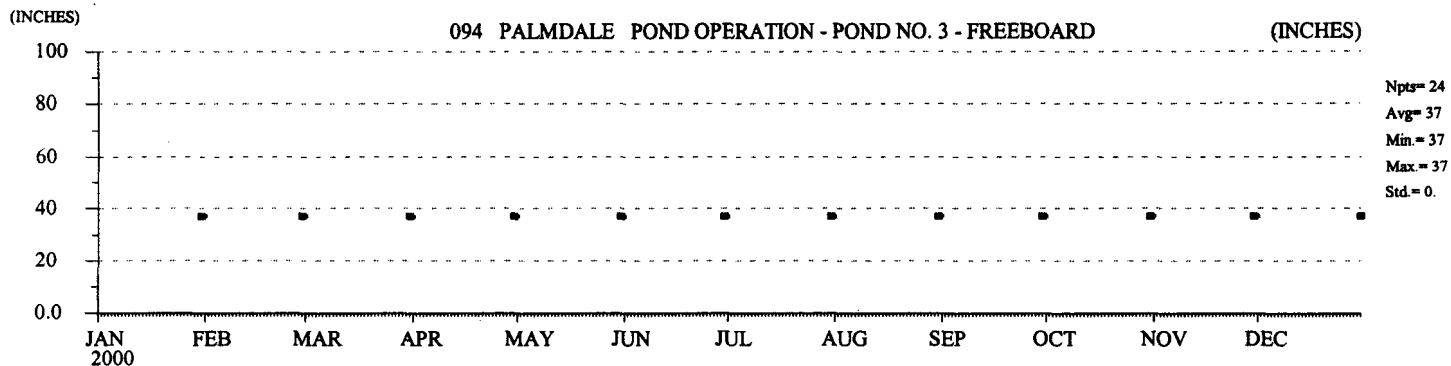
GRAPHICAL SUMMARIES

PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



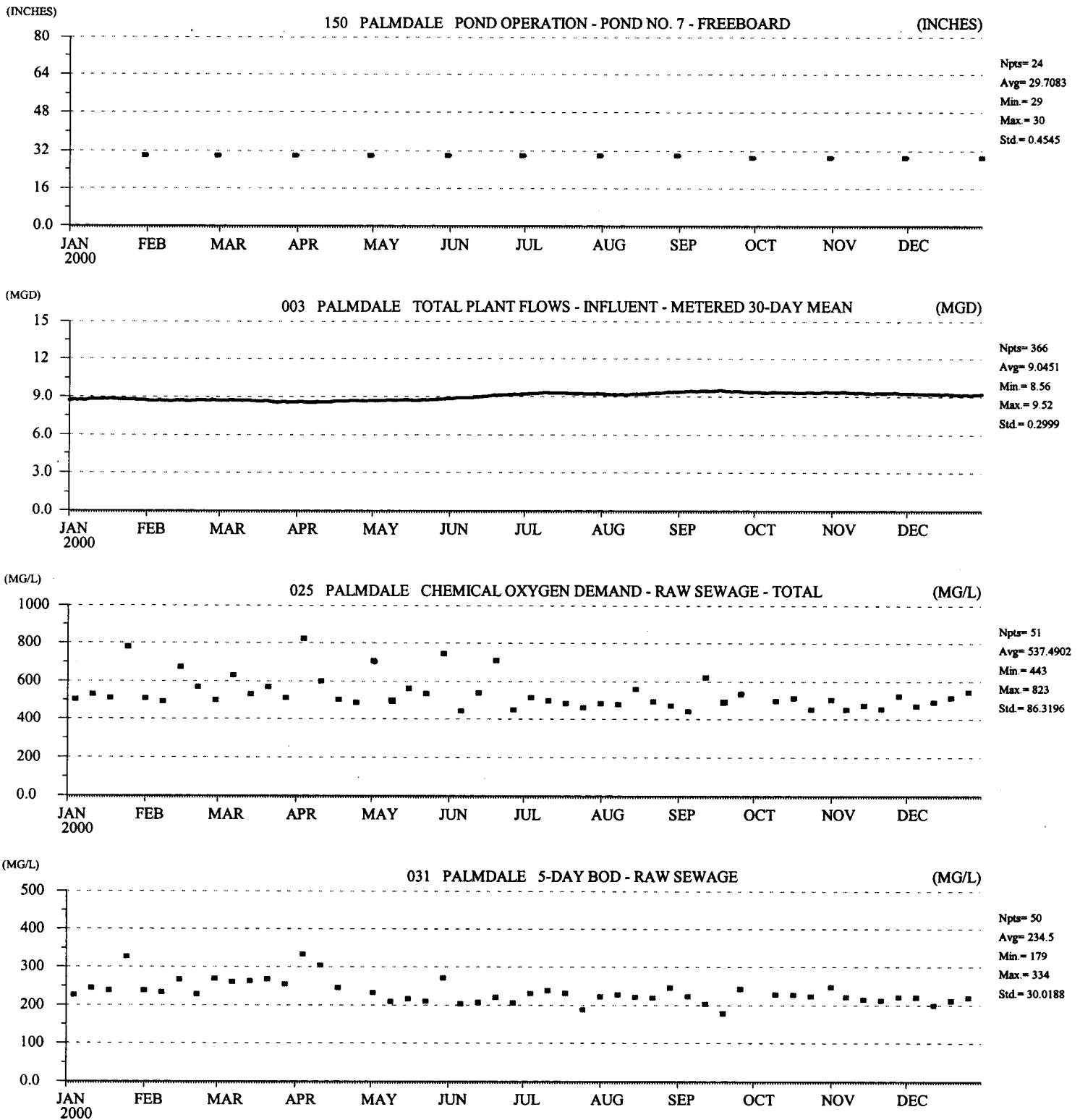
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



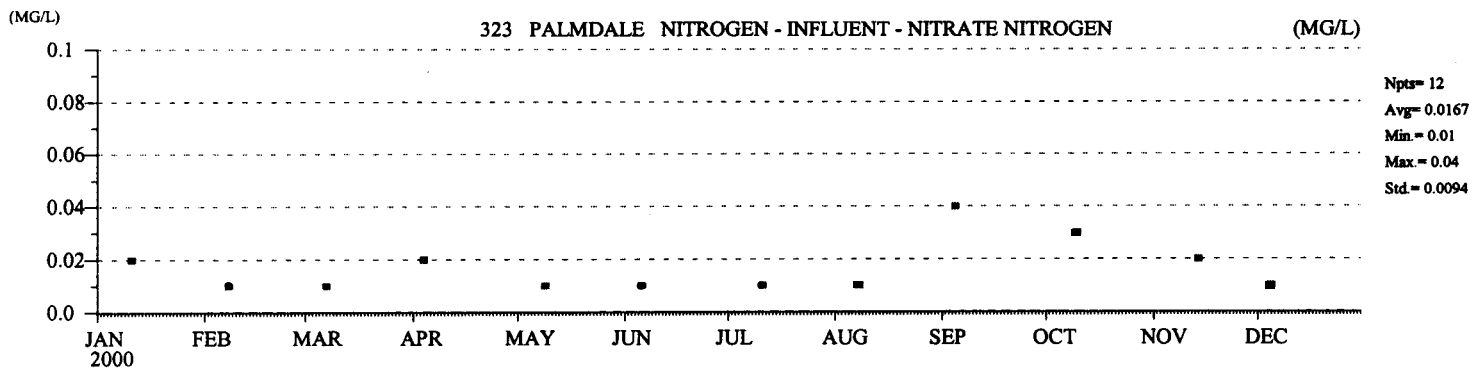
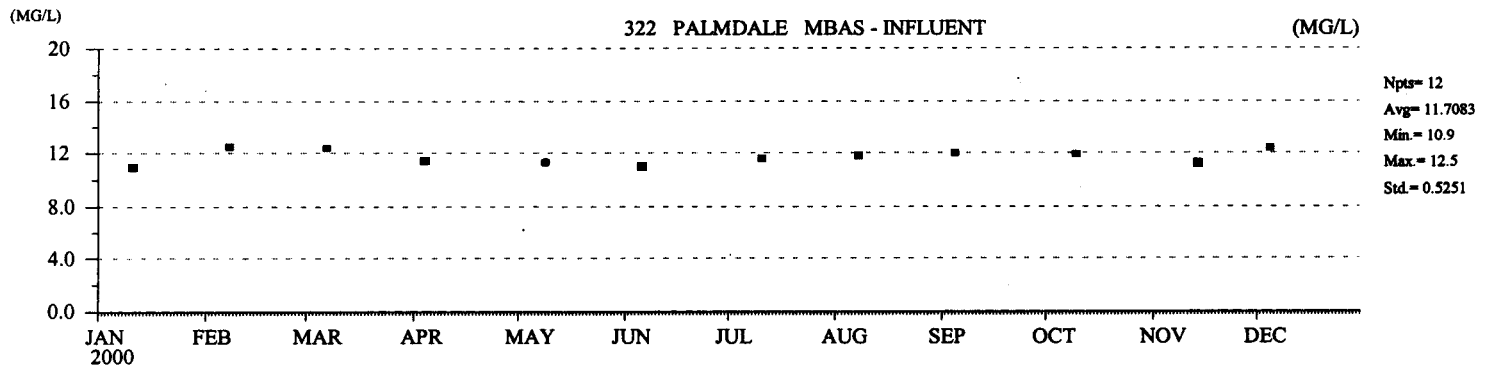
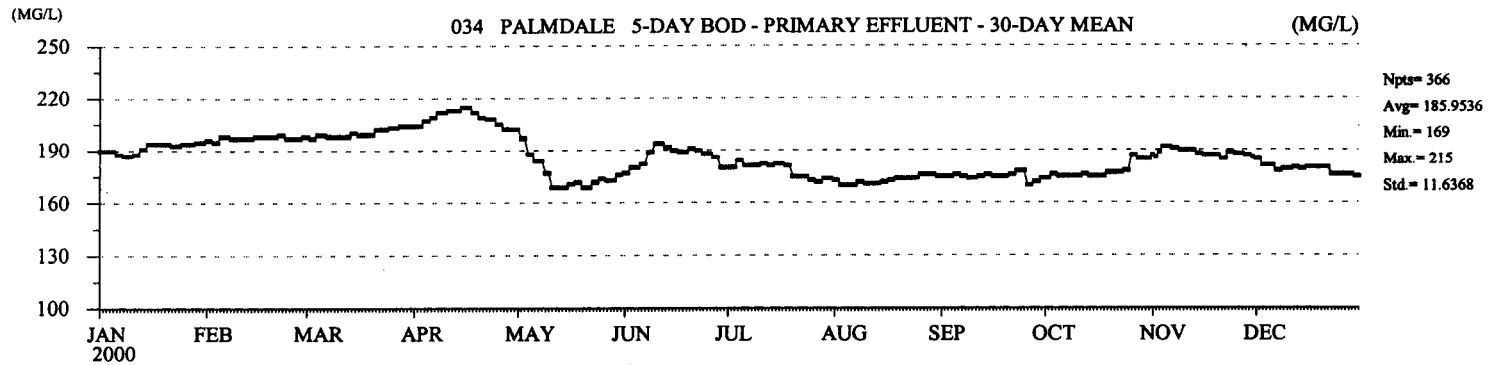
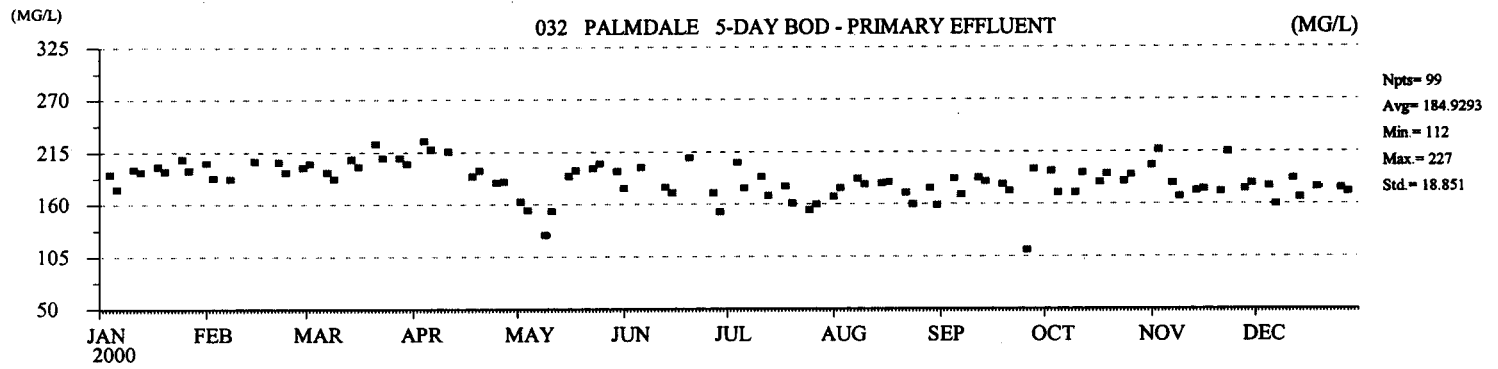
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



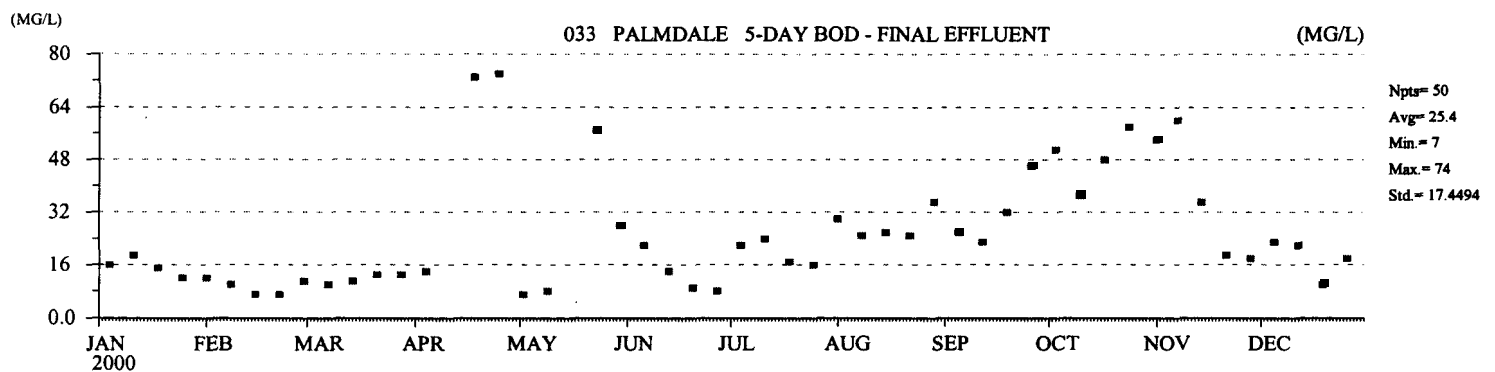
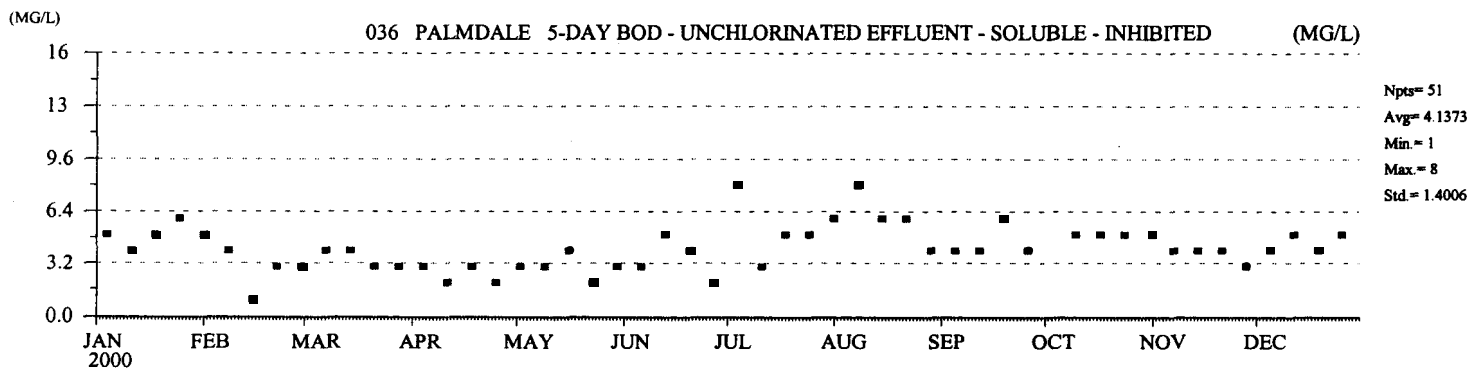
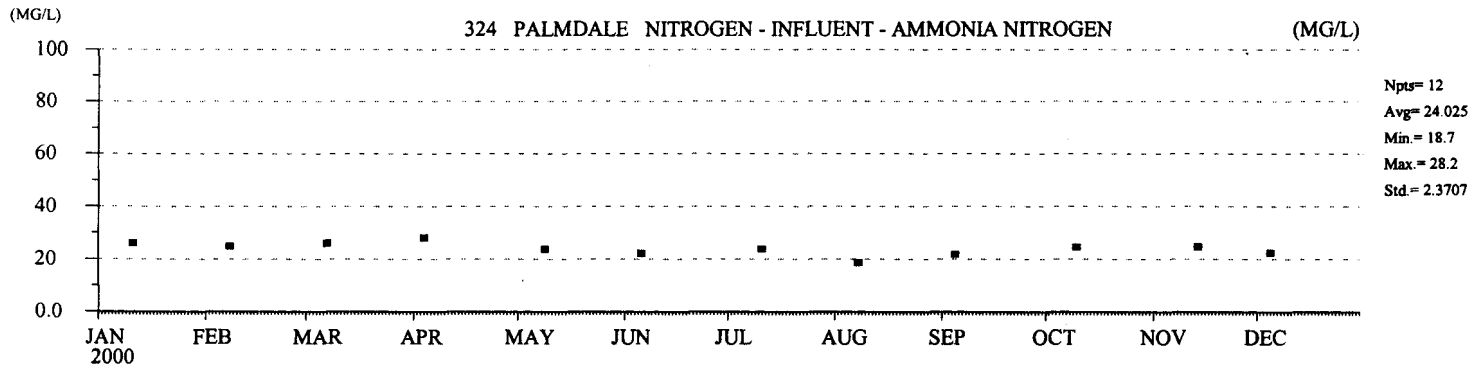
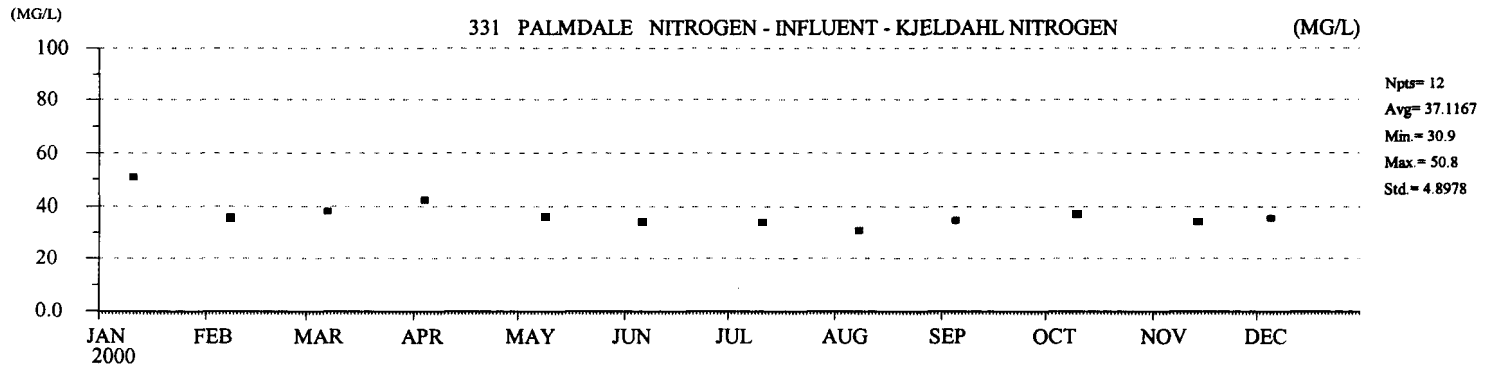
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



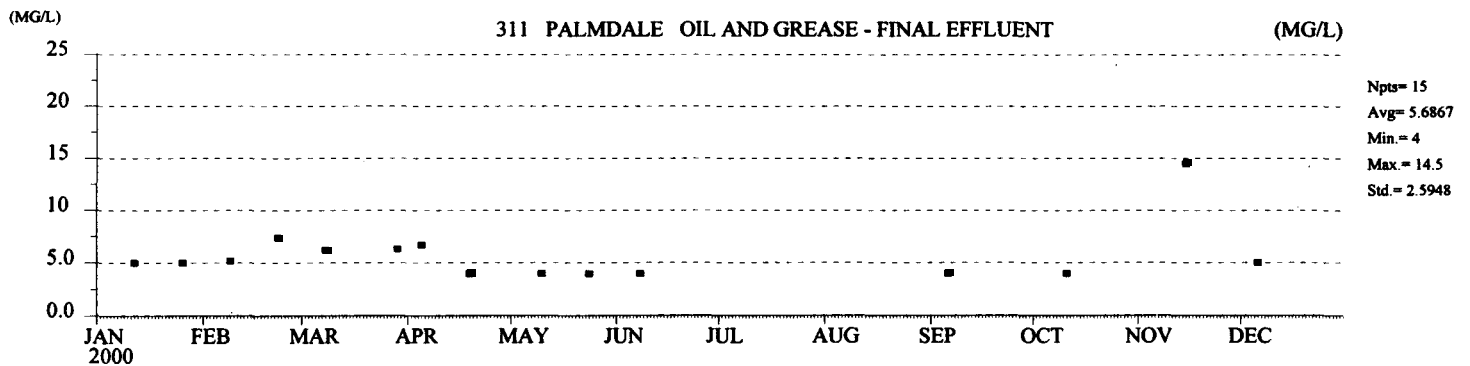
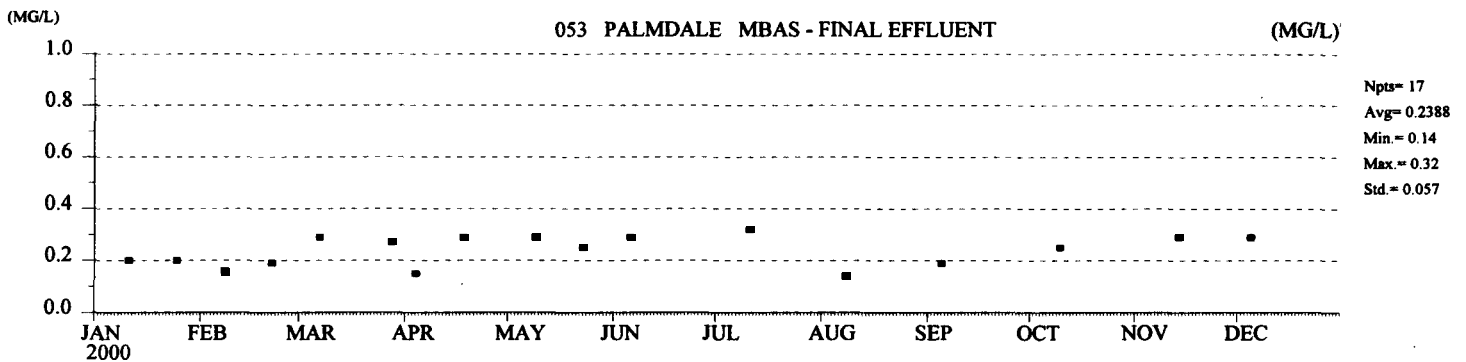
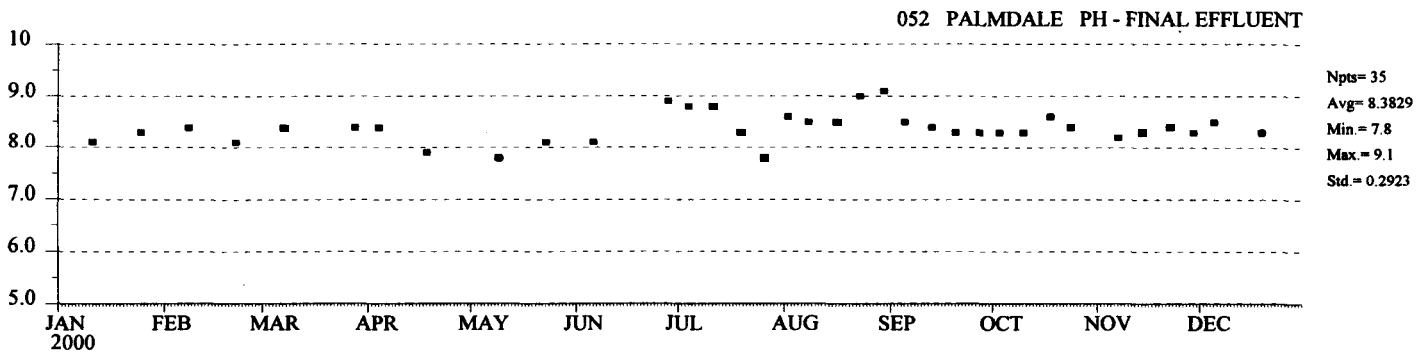
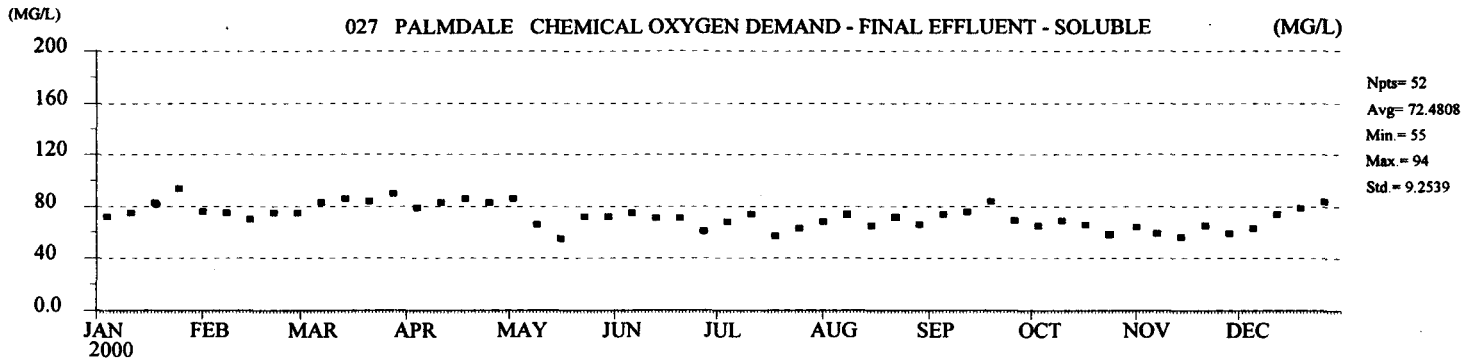
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



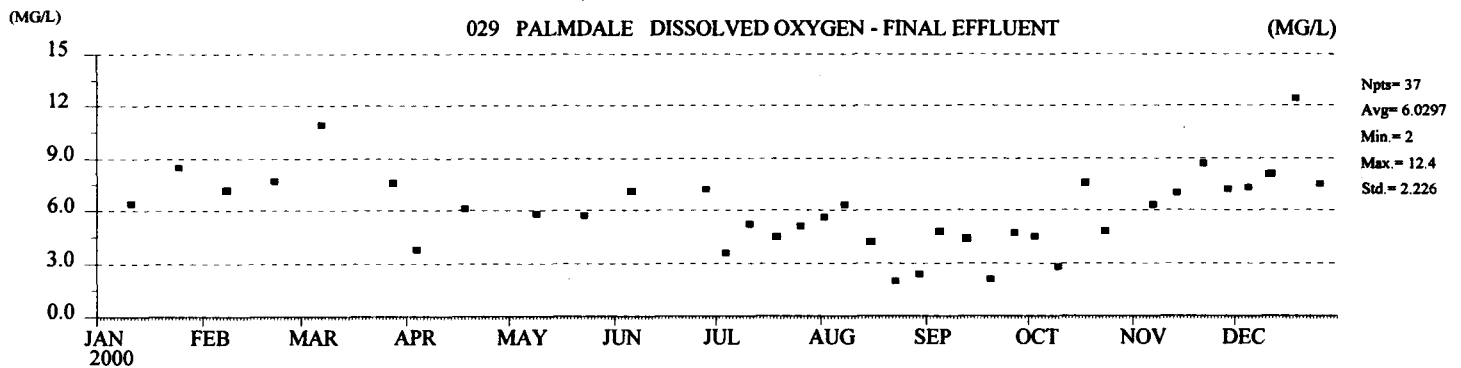
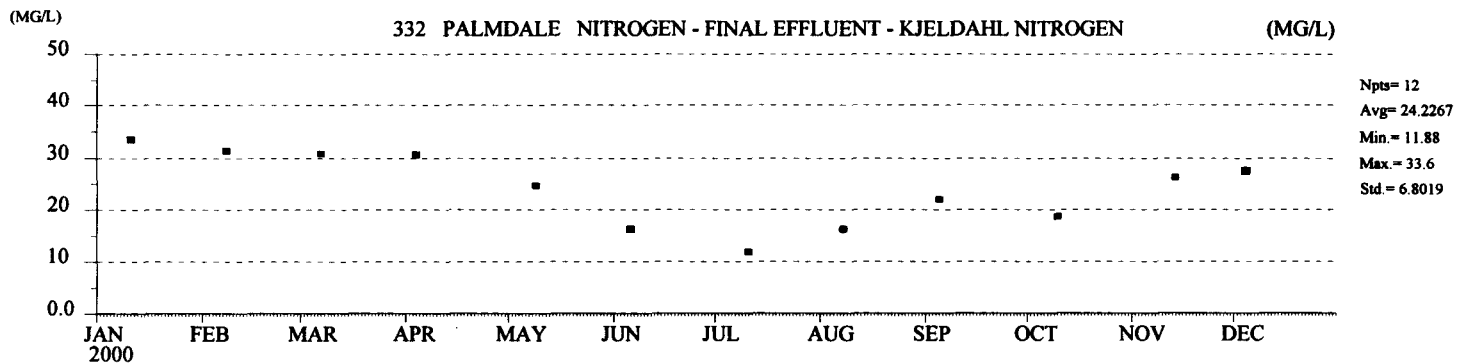
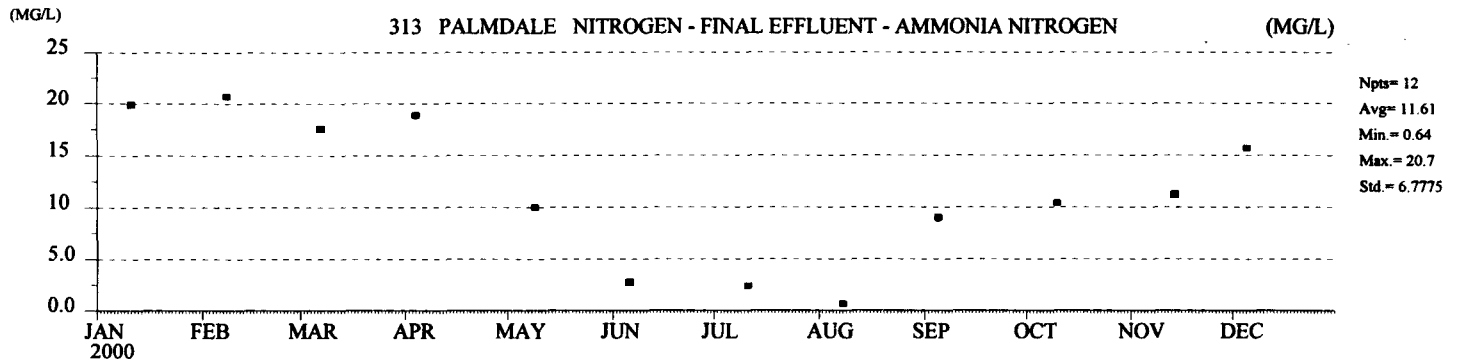
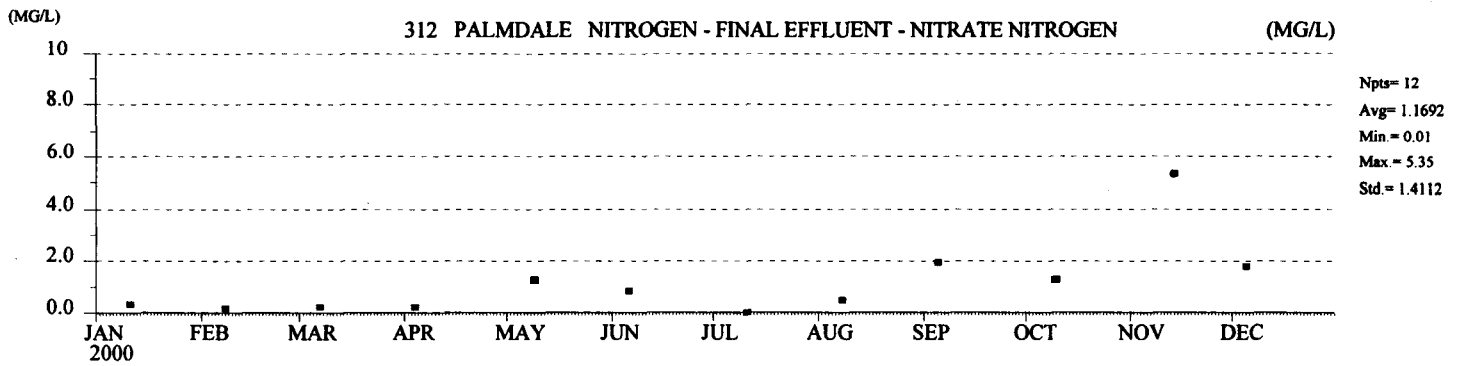
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



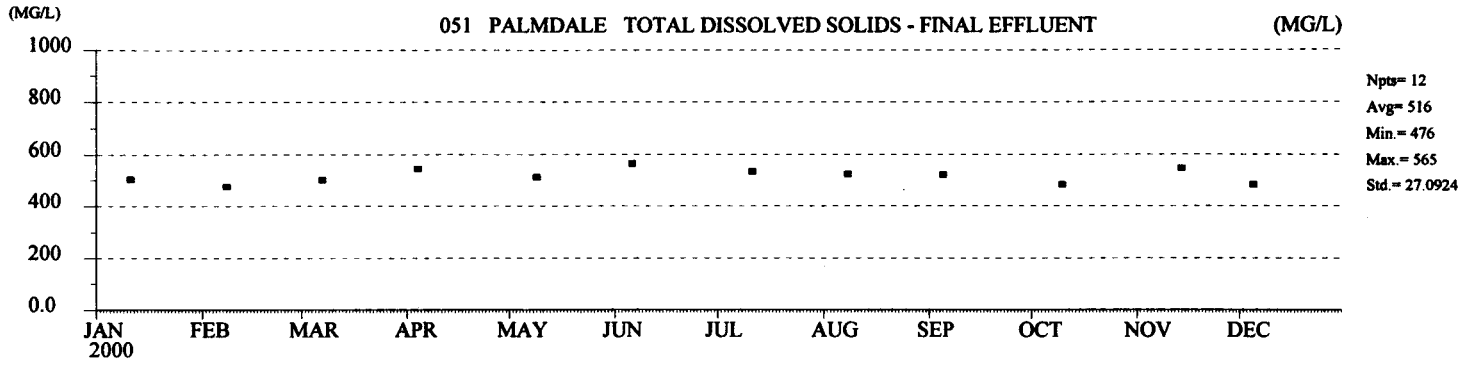
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PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



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Plot Date 03-05-2001 13:01:07

PALMDALE WRP
(JAN 1, 2000) - (DEC 31, 2000)
366 Days



Run Date = 03/04/2001 20:32
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PALMDALE WATER RECLAMATION PLANT

CHAPTER 5

LONG TERM WASTEWATER MONITORING SUMMARIES

CHAPTER 5

LONG TERM WASTEWATER MONITORING SUMMARIES

5.1 INTRODUCTION

Long term monitoring summaries are provided to show trends in wastewater quality and the effects of changes in plant operations. Annual averages are presented in both graphical and tabular form. Only a limited number of parameters, primarily metals, are reported. No permit limits are indicated because they have changed during the life of this plant. The figures and tables in this chapter are for observation of long term trends. Non-detect values are reported here with actual numerical values without the less than designation (<) or, in the cases of Total Detectable DDT and PCBs, as zero. In addition, in cases where a range in concentration is reported for the annual average, the upper non-detect value of that range is reported as the annual average in Table 5-1 and Figure 5-1. Often, the reported value is actually the method detection level for the constituent. As such, in some cases (e.g., Oil & Grease), a rise in the concentration in the table and graph simply indicates an increase in the analytical detection level from previous years."

5.2 TABULAR SUMMARIES

Table 5-1 presents tabular summaries of the data presented graphically in Figure 5-1. Parameters in the tabular summaries are generally arranged in numerical order of the laboratory test codes which are described in Chapter 4.

5.3 GRAPHICAL SUMMARIES

Long term summaries of selected influent and effluent parameters are presented in a series of graphs all included under Figure 5-1. Parameters are generally arranged in numerical order of the laboratory test codes which are described in Chapter 4. Where both influent and effluent values for the same parameter are reported, they are combined in a single graph. The graphs present annual means for the period 1975-99.

TABLE 5-1 (Page 1 of 7)
LONG TERM TABULAR SUMMARIES
PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Flow	Flow	pH	pH	Suspended Solids	Suspended Solids	Total Dissolved Solids	Total Dissolved Solids
Test Code	001	001	101	101	151	151	155	155
Sample Location	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Sample Type	Cont.	Cont.			24-hr	24-hr	24-hr	24-hr
Units	MGD	MGD	pH	pH	mg/L	mg/L	mg/L	mg/L
1975	1.58	0.51	7.5	8.4	326	162	422	477
1976	1.62	0.74	7.4	8.0	289	119	381	468
1977	1.61	0.77	7.4	8.1	421	114	389	465
1978	1.71	0.84	7.4	8.0	426	127	405	460
1979	1.83	0.92	7.6	8.1	400	115	382	456
1980	1.94	0.86	7.6	8.0	289	118	378	436
1981	2.06	0.60	7.2	7.9	295	132	390	442
1982	2.22	0.78	7.2	7.7	232	140	369	393
1983	2.39	0.92	6.9	7.6	247	143	358	389
1984	2.79	1.49	7.2	7.5	266	108	368	427
1985	3.29	2.21	7.3	7.8	210	88	426	470
1986	3.78	2.36	7.4	7.8	242	77	404	462
1987	4.57	3.26	7.5	7.6	203	127	423	462
1988	4.79	3.45	7.5	7.8	244	136	498	554
1989	6.44	3.59	7.6	7.8	341	122	539	667
1990	7.17	4.88	7.5	8.0	306	119	525	593
1991	7.86	4.89	8.1	8.2	351	141	525	581
1992	7.43	5.53	7.5	8.1	290	139	605	469
1993	7.53	6.33	7.6	8.3	299	124		590
1994	7.70	6.70	7.5	8.3	344	110		543
1995	7.82	7.21	7.5	8.3	267	117		526
1996	7.95	7.27	7.3	8.3	230	114		497
1997	8.26	7.54	7.3	8.2	226	117		496
1998	8.32	8.18	7.6	8.4	208	118		489
1999	8.57	7.80	7.5	8.2	254	114		483
2000	9.06	8.28	7.6	8.3	256	110	499	516

TABLE 5-1 (Page 2 of 7)
LONG TERM TABULAR SUMMARIES
PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Ammonia-Nitrogen	Organic-Nitrogen	Nitrate-Nitrogen	Nitrite-Nitrogen	Nitrate-Nitrogen plus Nitrite-Nitrogen	Total Nitrogen	Total Cyanide	Sulfate
Test Code	201	202	204	205	951	208	206	257
Sample Location	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
Sample Type	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1975								
1976								
1977								
1978								
1979								
1980								
1981	8.60	16.00	0.40					
1982	12.30	15.20	0.52					
1983	12.20	17.20	0.19					
1984	11.60	13.40	0.06				0.02	62
1985	15.70	12.00	0.11				0.01	62
1986	18.00	10.80	0.21	0.10	0.31	29.11	0.01	72
1987	17.10	13.20	0.10	0.10	0.20	30.50	0.03	77
1988	13.30	23.20	0.09	0.20	0.29	36.79	0.01	100
1989	9.70	19.50	0.25	0.42	0.67	29.87	0.01	103
1990	13.30	9.00	0.11	0.28	0.39	22.69	0.01	72
1991	10.23	15.08	2.60	0.59	3.19	28.50	0.01	84
1992	8.02	15.31	1.87	1.66	3.53	26.87	0.01	79
1993	7.24	13.69	2.49	1.40	3.89	24.82	0.01	69
1994	8.31	14.06	1.63	1.41	3.04	25.41	0.01	88
1995	9.65	14.83	0.65	1.41	2.06	26.54	0.01	85
1996	9.04	13.40	1.19	1.52	2.71	25.15	0.01	74
1997	9.04	11.97	1.40	0.66	2.06	23.07	0.01	72
1998	9.10	13.93	1.56	0.87	2.43	25.46	0.01	73
1999	11.84	12.78	1.52	0.63	2.15	26.75	0.01	72
2000	11.60	12.60	1.17	1.19	2.36	26.56	0.01	88

TABLE 5-1 (Page 3 of 7)
LONG TERM TABULAR SUMMARIES

PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Test Code	Sample Location	Sample Type	Units
Chloride	301	Effluent	24-hr	mg/L
Phenols	312	Influent	24-hr	mg/L
Phenols	312	Effluent	24-hr	mg/L
Fluoride	313	Effluent	24-hr	mg/L
Boron	314	Effluent	24-hr	mg/L
Detergents (MBAS)	315	Influent	24-hr	mg/L
Detergents (MBAS)	315	Effluent	24-hr	mg/L
	1975			
	1976			
	1977			
	1978			
	1979			
	1980			
	1981			
	1982			
	1983			
	1984	45		
	1985	60		
	1986	64		
	1987	79		
	1988	101		
	1989	123		
	1990	143		
	1991	112		
	1992	112		
	1993	103		
	1994	119		
	1995	98		
	1996	95		
	1997	102		
	1998	102		
	1999	102		
	2000	110		

TABLE 5-1 (Page 4 of 7)
LONG TERM TABULAR SUMMARIES
PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Total BOD	BOD*	Total COD	COD*	Oil & Grease	Oil & Grease	Total Detectable DDT	Total Detectable DDT
Test Code	401	401/402	403	403/404	408	408	507	507
Sample Location	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Sample Type	24-hr	24-hr	24-hr	24-hr	Grab	Grab	24-hr	24-hr
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L
1975	165	36		277	176	5.0	0.45	0.08
1976	175	30		250	161	8.5	0.45	0.14
1977	186	30		255	155	5.6	0.36	0.11
1978	240	48		274	146	9.4	0.31	0.06
1979	201	51		290	134	14.4	0.14	0.07
1980	199	49		275	161	6.6	0.10	0.06
1981	180	34		277	99	8.4	0.10	0.06
1982	220	47	665	290	84	8.0	0.03	0.00
1983	264	41	728	284	59	7.0	0.00	0.00
1984	248	55	567	229	70	8.0	0.08	0.00
1985	271	49	614	209	66	11.0	0.02	0.01
1986	275	25	602	103	71	3.4	0.01	0.00
1987	248	28	545	103	41	4.9	0.00	0.00
1988	286	21	630	94	50	3.9	0.00	0.00
1989	276	21	633	87	31	1.2	0.01	0.00
1990	276	24	589	94	42	1.7	0.01	0.00
1991	282	22	599	89	54	1.6	0.04	0.00
1992	274	19	633	68	72	1.9	0.01	0.01
1993	258	25	583	72	50	1.5	0.00	0.00
1994	265	25	581	72		1.3	0.00	0.00
1995	245	21	507	75		1.6	0.01	0.00
1996	236	27	491	73		1.6	0.00	0.00
1997	255	16	509	80		1.7	0.00	0.00
1998	233	27	481	72		1.8	0.01	0.00
1999	238	23	538	78		2.6	0.00	0.00
2000	235	26	535	65		2.7	0.01	0.01

* Before 1986, tests were based on un-filtered samples. As of 1986, tests have been based on filtered samples.

LONG TERM TABULAR SUMMARIES

PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Test Code	Sample Location	Sample Type	Units
Total Detectable PCBs	521	Influent	24-hr	ug/L
		Effluent	24-hr	ug/L
Arsenic	705	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	706	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	708	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Cadmium	708	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Total Detectable PCBs	521	Influent	24-hr	ug/L
		Effluent	24-hr	ug/L
Arsenic	705	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	706	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	706	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Cadmium	708	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Total Detectable PCBs	521	Influent	24-hr	ug/L
		Effluent	24-hr	ug/L
Arsenic	705	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	706	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Barium	706	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L
Cadmium	708	Influent	24-hr	mg/L
		Effluent	24-hr	mg/L

TABLE 5-1 (Page 6 of 7)
LONG TERM TABULAR SUMMARIES
PALMDALE WATER RECLAMATION PLANT (Annual Averages)

Parameter	Total Chromium	Total Chromium	Copper	Copper	Iron	Iron	Lead	Lead
Test Code	709	709	712	712	713	713	714	714
Sample Location	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Sample Type	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1975		0.01		0.02		0.710		0.02
1976		0.01		0.02		0.360		0.03
1977		0.00		0.06		0.260		0.03
1978		0.01		0.02		0.290		0.04
1979		0.01		0.03		0.380		0.03
1980		0.00		0.03		0.360		0.02
1981		0.00		0.02		0.240		0.02
1982		0.00		0.03		0.400		0.02
1983		0.01		0.03		0.500		0.01
1984		0.01		0.02		0.300		0.01
1985		0.01		0.03		0.210		0.01
1986		0.01		0.04		0.470		0.02
1987	0.03	0.02	0.07	0.03		1.040	0.03	0.02
1988	0.01	0.02	0.05	0.03		0.890	0.02	0.02
1989	0.02	0.02	0.07	0.02	0.69	0.520	0.04	0.04
1990	0.02	0.02	0.09	0.02	0.92	0.310	0.04	0.04
1991	0.02	0.02	0.06	0.02	0.75	0.470	0.04	0.04
1992	0.02	0.02	0.06	0.02	1.00	1.030	0.04	0.04
1993	0.02	0.02	0.06	0.02			0.04	0.04
1994	0.01	0.01	0.06	0.01			0.02	0.02
1995	0.01	0.01	0.07	0.02			0.02	0.02
1996	0.01	0.01	0.08	0.02			0.02	0.02
1997	0.02	0.01	0.07	0.14			0.02	0.02
1998	0.04	0.04	0.08	0.03			0.02	0.02
1999	0.02	0.01	0.05	0.01			0.01	0.01
2000	0.08	0.01	0.07	0.01			0.01	0.01

TABLE 5-1 (Page 7 of 7)
LONG TERM TABULAR SUMMARIES
PALMDALE WATER RECLAMATION PLANT (Annual Averages)

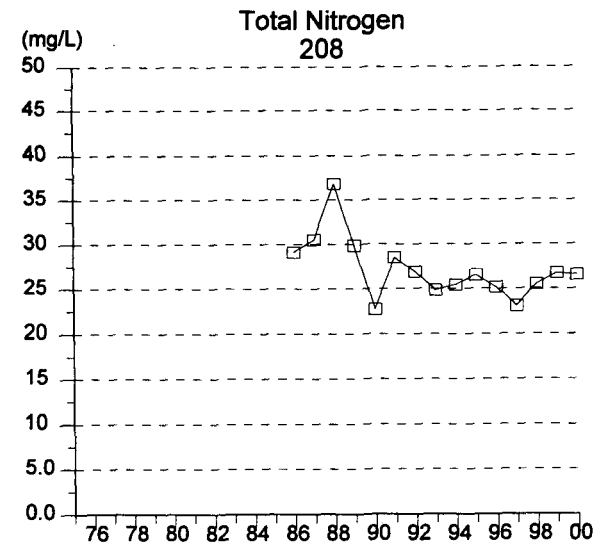
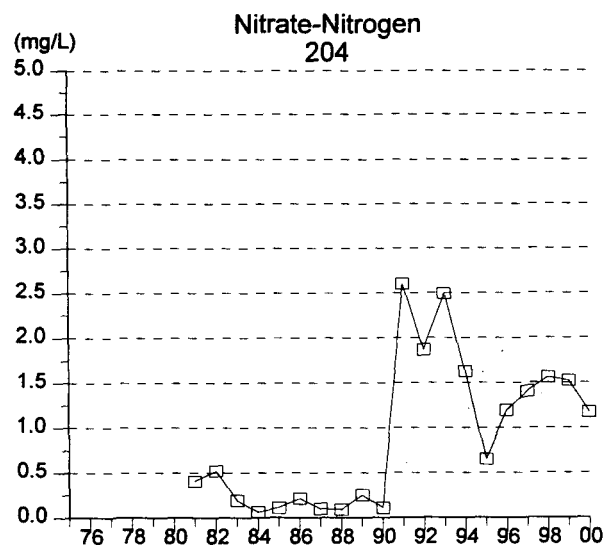
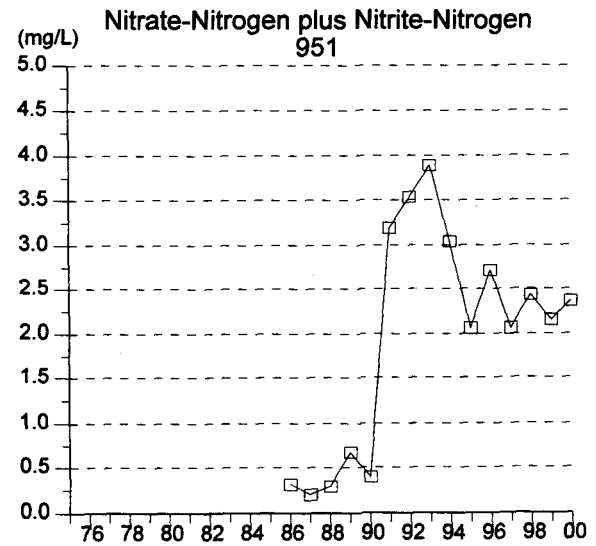
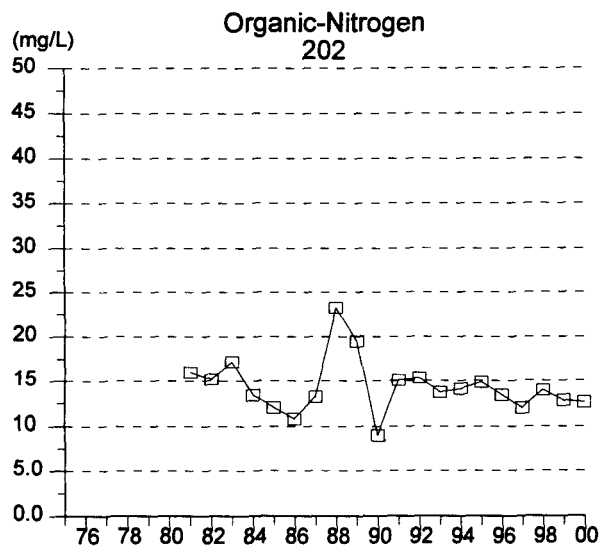
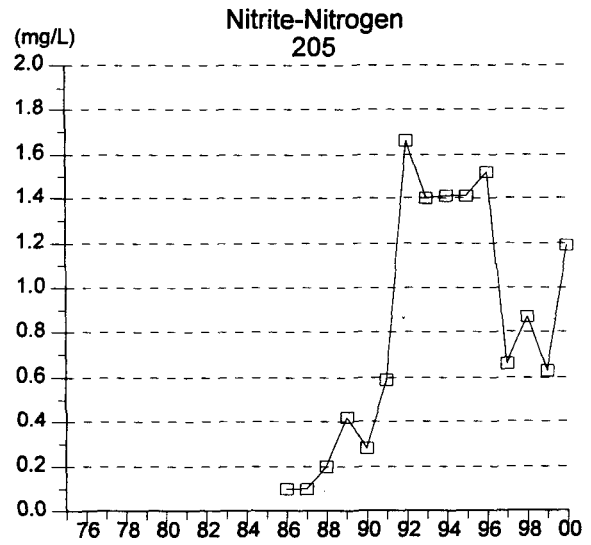
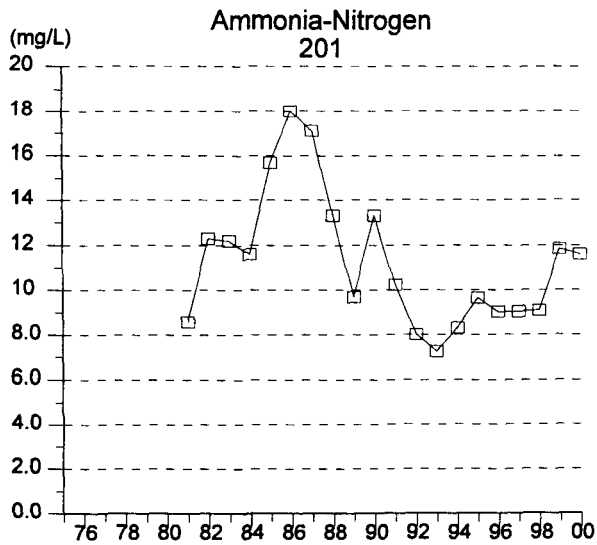
Parameter	Mercury	Mercury	Nickel	Nickel	Selenium	Selenium	Silver	Silver	Zinc	Zinc
Test Code	717	717	718	718	720	720	722	722	724	724
Sample Location	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Sample Type	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1975		0.0003		0.02		0.007		0.005		0.04
1976		0.0001		0.01		0.005		0.002		0.13
1977		0.0004		0.01		0.002		0.002		0.27
1978		0.0002		0.02		0.002		0.004		0.21
1979		0.0001		0.02		0.004		0.004		0.15
1980		0.0001		0.03		0.002		0.005		0.17
1981		0.0002		0.02		0.002		0.002		0.20
1982		0.0003		0.01		0.001		0.002		0.16
1983		0.0002		0.02		0.001		0.003		0.09
1984		0.0002		0.02		0.002		0.003		0.07
1985		0.0001		0.02		0.004		0.004		0.08
1986		0.0002		0.01		0.002		0.003		0.06
1987	0.0006	0.0002	0.01	0.01	0.003	0.005	0.013	0.008	0.18	0.10
1988	0.0005	0.0002	0.02	0.02	0.005	0.002	0.003	0.006	0.37	0.12
1989	0.0004	0.0002	0.04	0.03	0.002	0.001	0.005	0.005	0.86	0.29
1990	0.0006	0.0002	0.03	0.03	0.001	0.001	0.005	0.005	0.73	0.22
1991	0.0007	0.0001	0.03	0.03	0.002	0.001	0.006	0.005	0.36	0.17
1992	0.0012	0.0005	0.03	0.03	0.002	0.001	0.008	0.005	0.20	0.22
1993	0.0007	0.0001	0.03	0.03	0.001	0.001	0.008	0.005	0.61	0.08
1994	0.0003	0.0001	0.01	0.02	0.001	0.001	0.010	0.010	0.61	0.13
1995	0.0002	0.0001	0.02	0.02	0.001	0.001	0.010	0.010	0.66	0.11
1996	0.0003	0.0001	0.02	0.00	0.001	0.010	0.010	0.010	0.73	0.15
1997	0.0002	0.0006	0.02	0.08	0.004	0.004	0.010	0.010	0.49	1.12
1998	0.0001	0.0001	0.02	0.02	0.001	0.001	0.010	0.010	0.64	0.19
1999	0.0002	0.0001	0.02	0.02	0.001	0.001	0.010	0.010	0.54	0.15
2000	0.0003	0.0001	0.02	0.02	0.001	0.001	0.010	0.010	0.51	0.10

PALMDALE WATER RECLAMATION PLANT

FIGURE 5-1

LONG TERM GRAPHICAL SUMMARIES

PALMDALE WATER RECLAMATION PLANT
Annual Average
 Each graph title includes the Sanitation Districts' test code.
 ■ Influent, □ Effluent

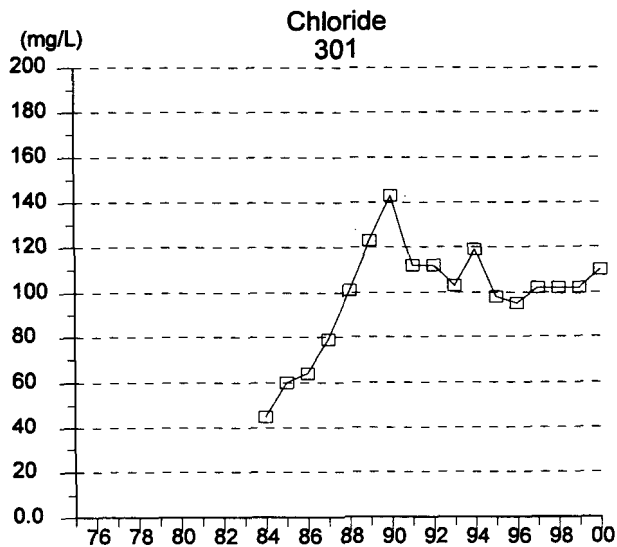
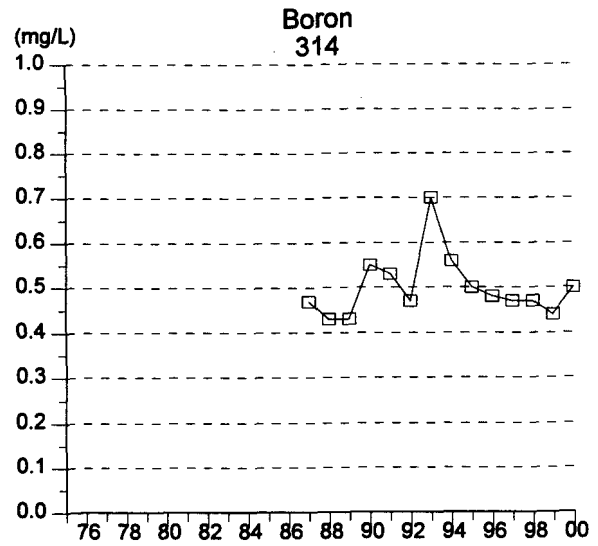
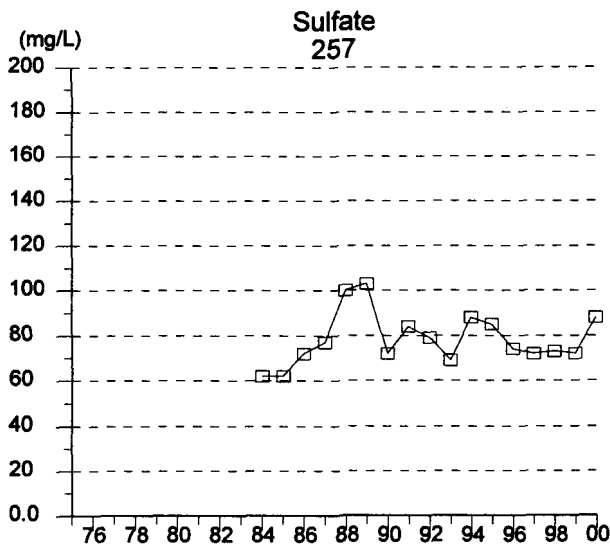
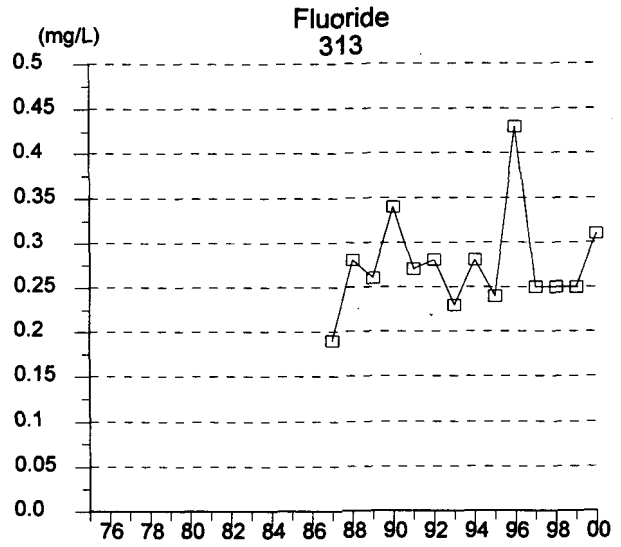
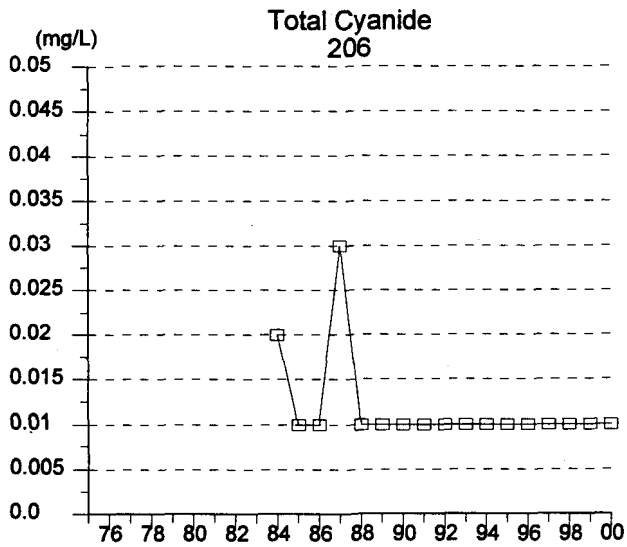


PALMDALE WATER RECLAMATION PLANT

Annual Average

Each graph title includes the Sanitation Districts' test code.

■ Influent, □ Effluent

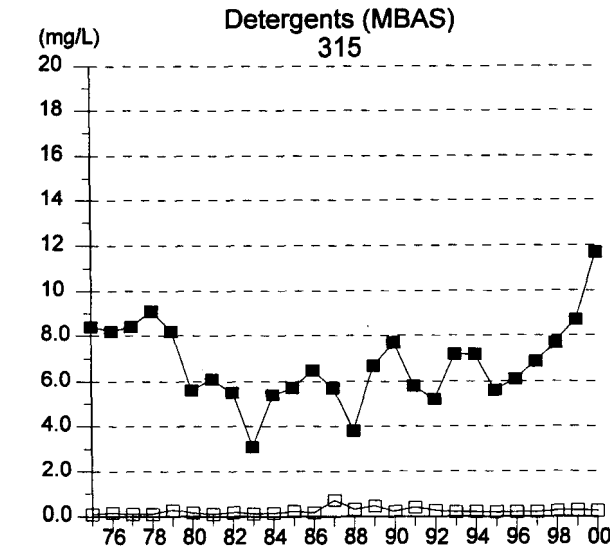
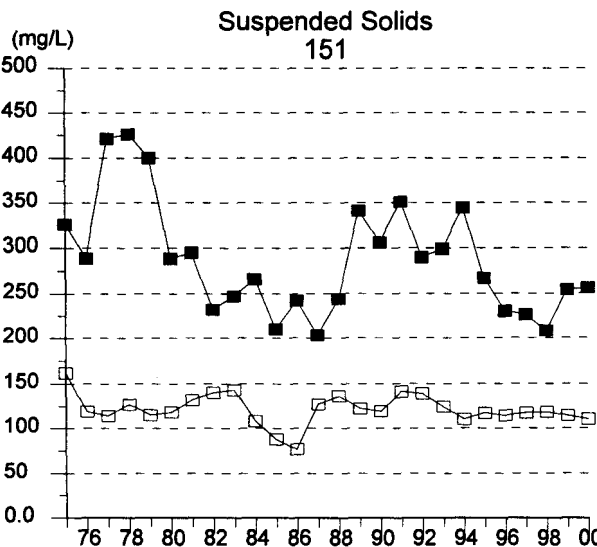
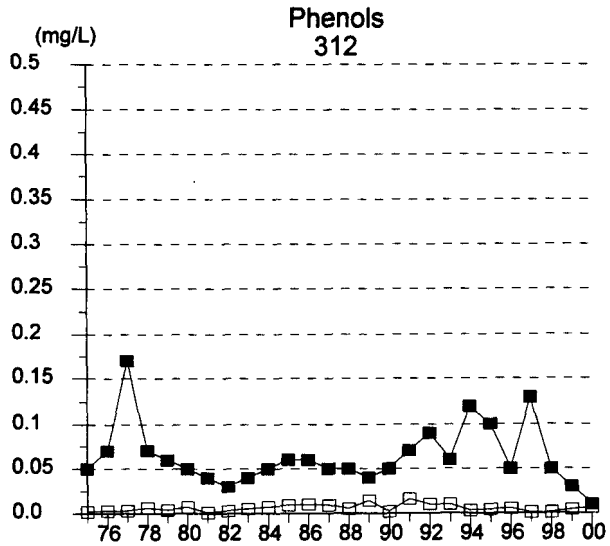
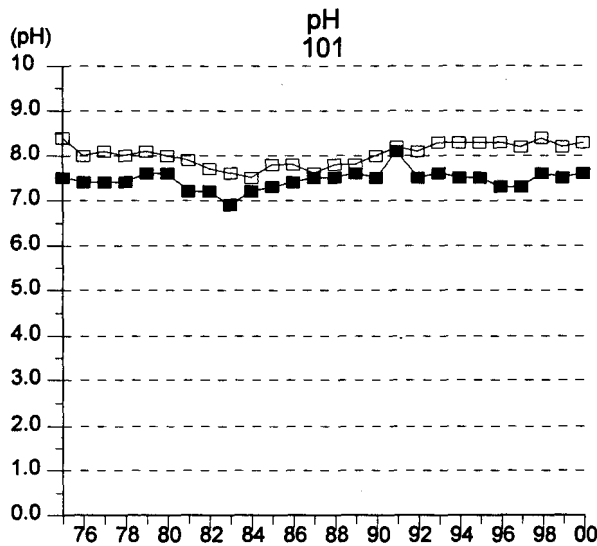
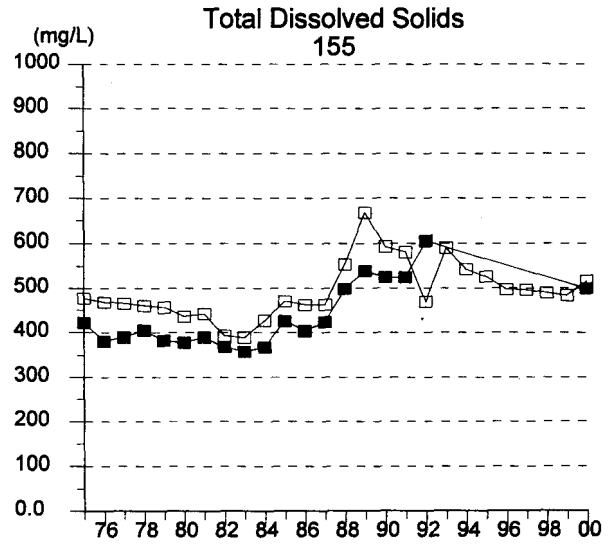
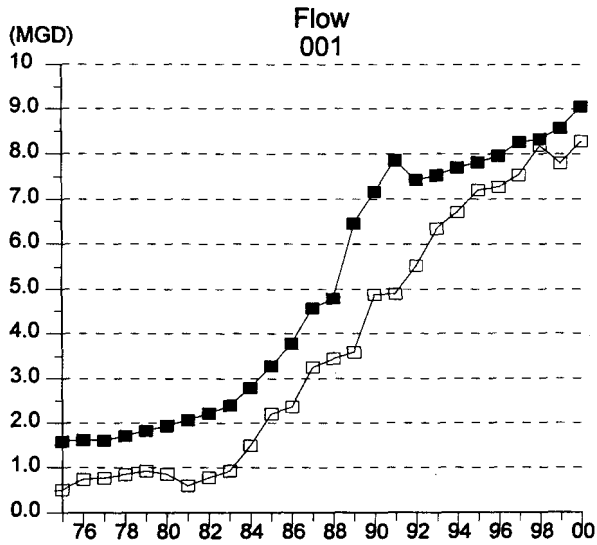


PALMDALE WATER RECLAMATION PLANT

Annual Average

Each graph title includes the Sanitation Districts' test code.

■ Influent, □ Effluent

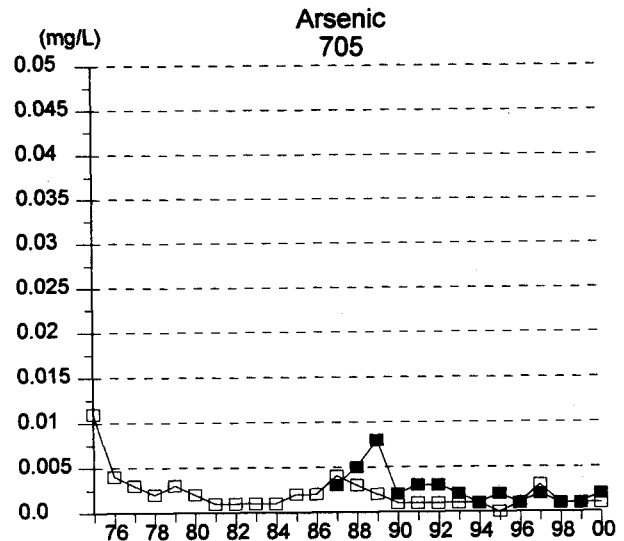
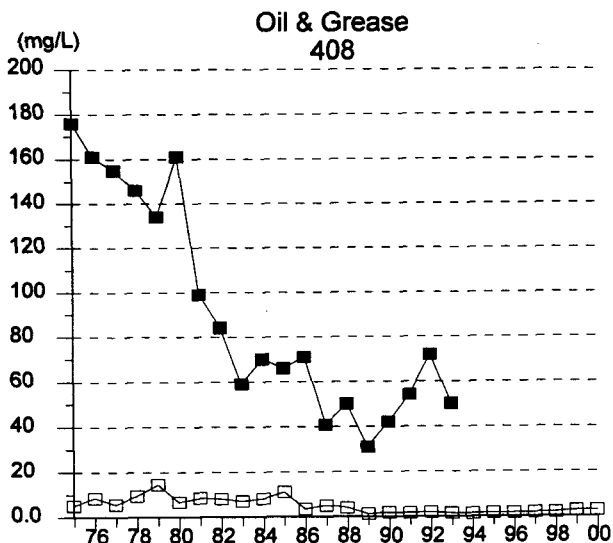
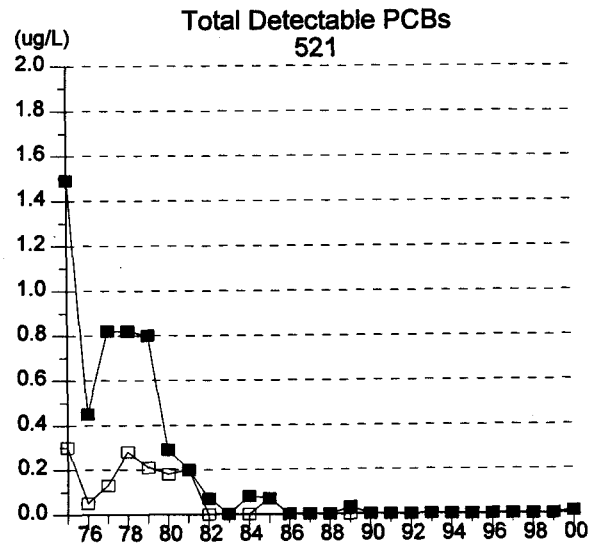
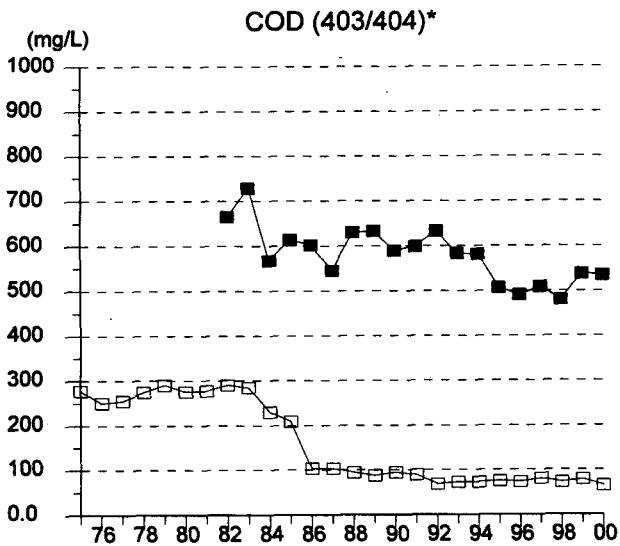
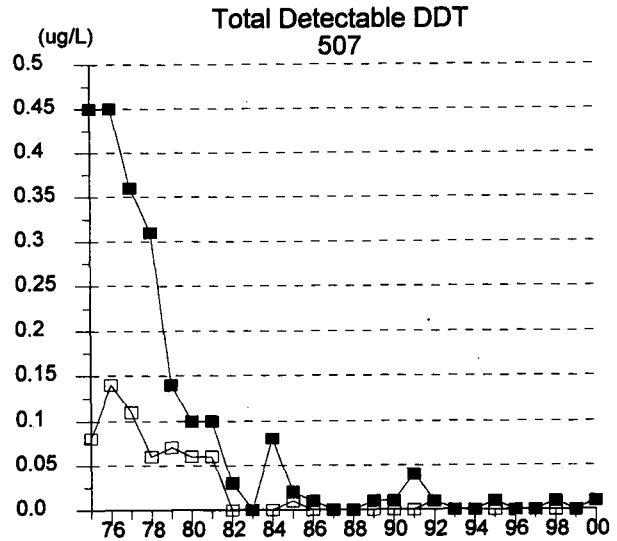
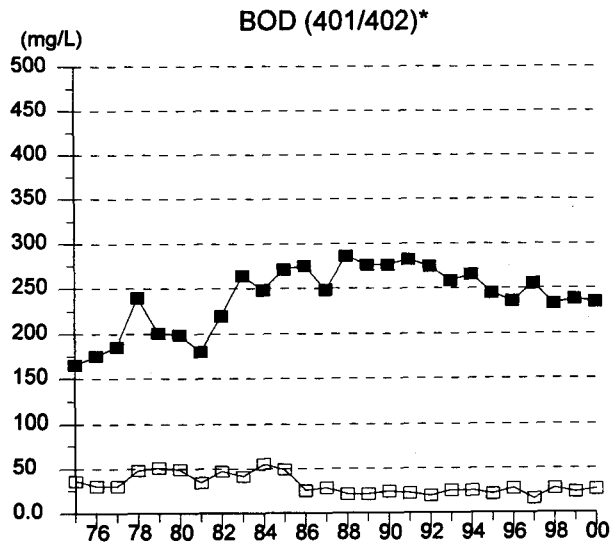


PALMDALE WATER RECLAMATION PLANT

Annual Average

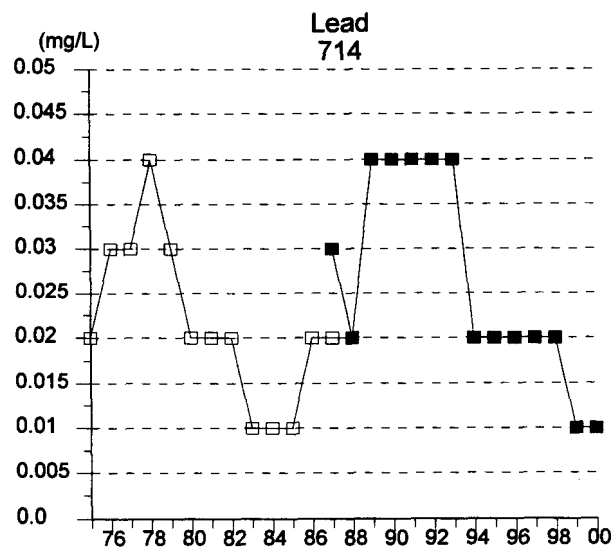
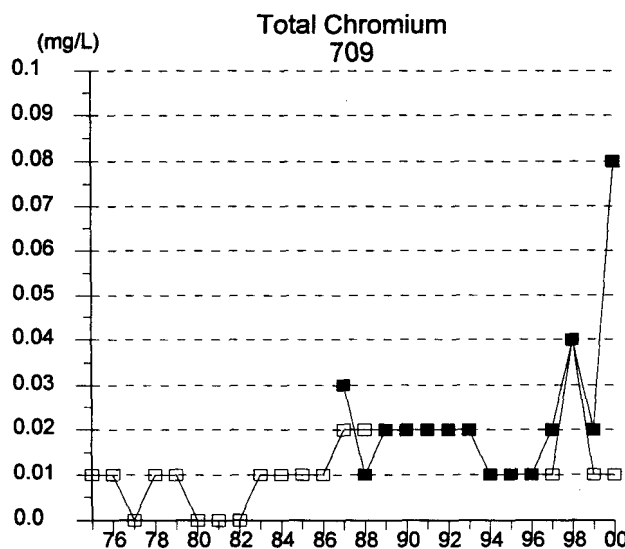
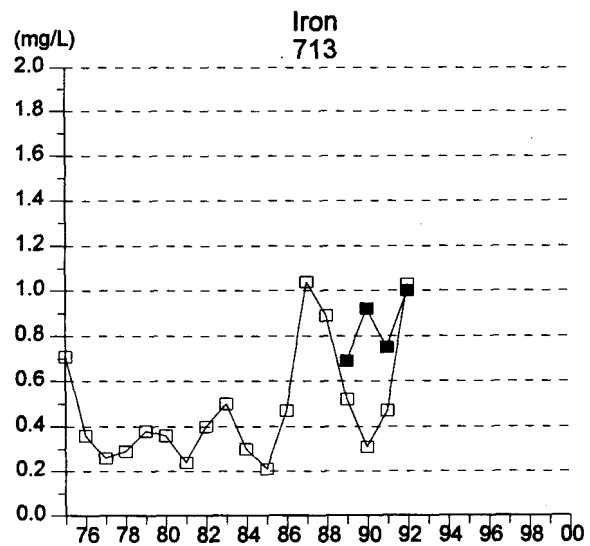
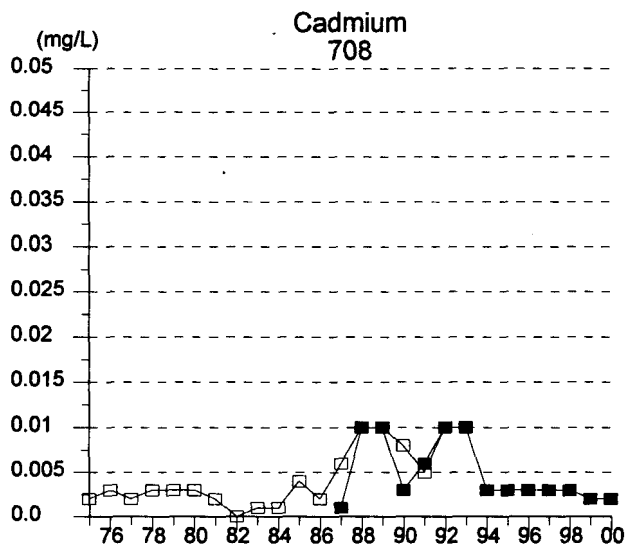
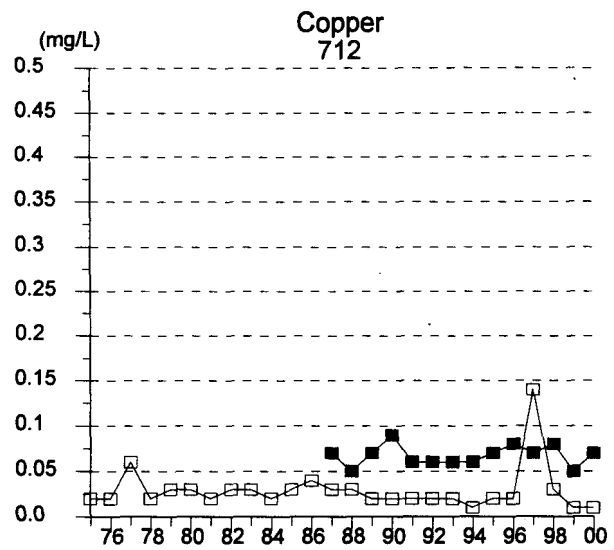
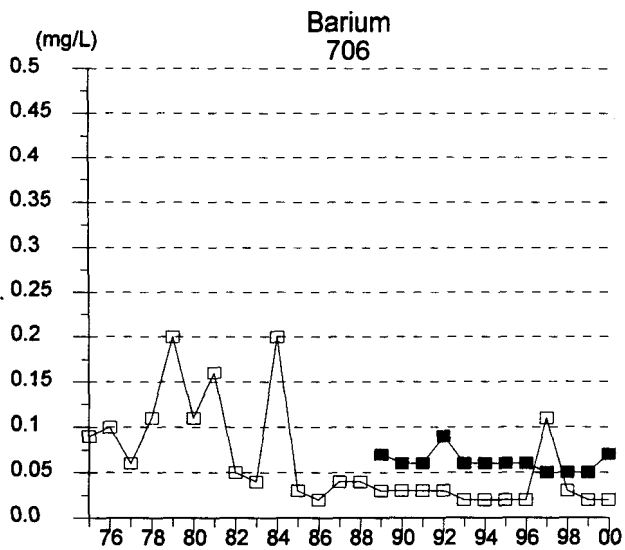
Each graph title includes the Sanitation Districts' test code.

■ Influent, □ Effluent



* Before 1986, tests on effluent were based on un-filtered samples.
As of 1986, tests have been based on filtered samples.

PALMDALE WATER RECLAMATION PLANT
Annual Average
 Each graph title includes the Sanitation Districts' test code.
 ■ Influent, □ Effluent

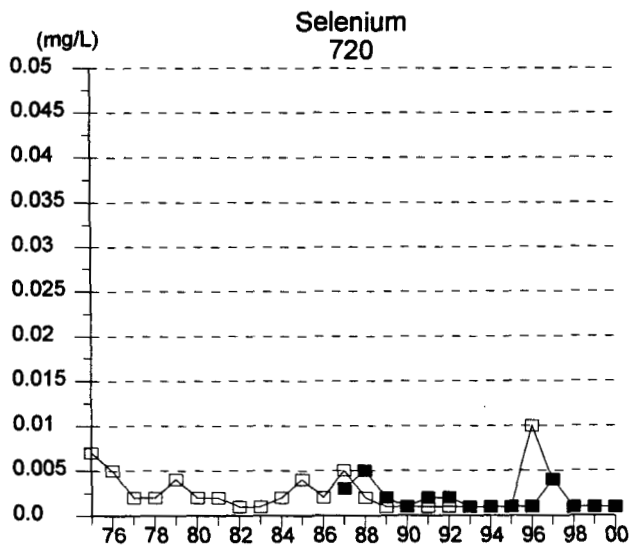
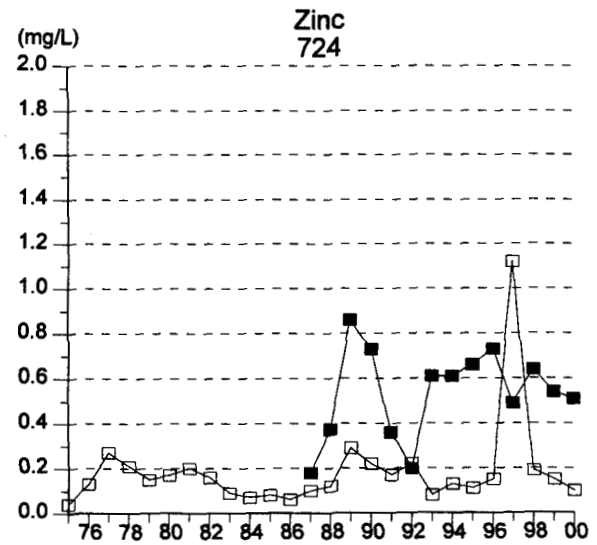
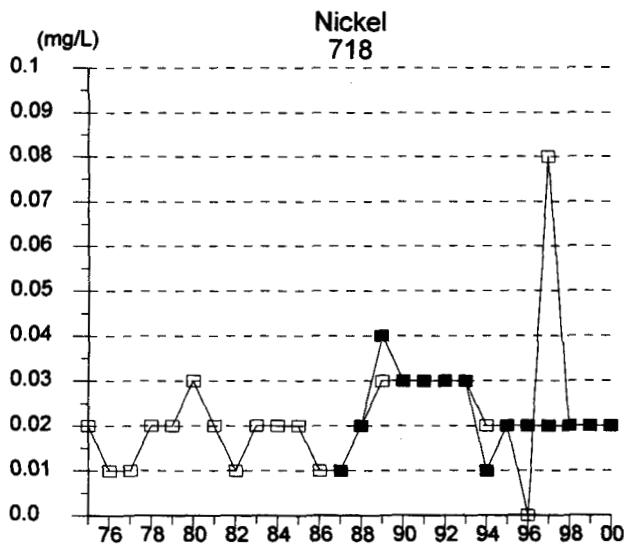
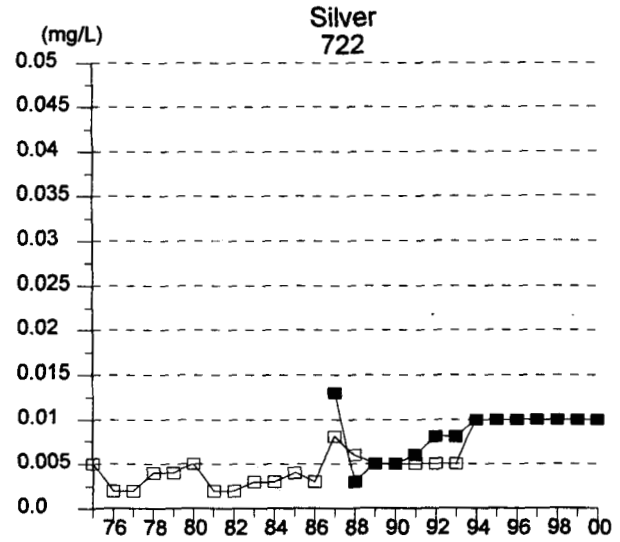
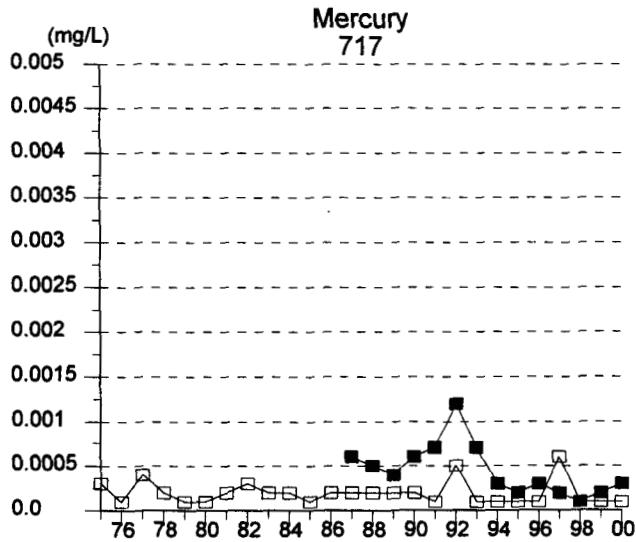


PALMDALE WATER RECLAMATION PLANT

Annual Average

Each graph title includes the Sanitation Districts' test code.

■ Influent, □ Effluent



PALMDALE WATER RECLAMATION PLANT

CHAPTER 6

GROUNDWATER AND LYSIMETER MONITORING DATA

CHAPTER 6

GROUNDWATER AND LYSIMETER MONITORING DATA

The groundwater monitoring results for the groundwater monitoring wells and water supply wells are presented in Tables 6-1 and 6-2. The results for the lysimeters are presented in Table 6-3. Figure 6-1 shows the locations of the wells and lysimeters.

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW1

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			166			162			164			146	160	166	146
201	AMMONIA NITROGEN	MG/L		< 0.1				< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L		< 0.1				< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L		< 0.1				< 0.1			< 0.1			0.2	< 0.1 - 0.1	0.2	< 0.1
204	NITRATE NITROGEN	MG/L		0.31				0.28			0.30			0.30	0.30	0.31	0.28
205	NITRITE NITROGEN	MG/L		< 0.01				< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
206	TOTAL CYANIDE	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L		17.9				17.5			17.6			17.4	17.6	17.9	17.4
301	CHLORIDE	MG/L		3.7				3.4			3.5			3.4	3.5	3.7	3.4
305	TOTAL ALKALINITY	MG/L		106				103			107				105	107	103
310	TOTAL PHOSPHATE	MG/L		< 0.3				< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
312	PHENOLS	MG/L												< 0.025	0 - < 0.025	< 0.025	< 0.025
315	MBAS	MG/L		< 0.1				< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L		0.560				1.06			0.530			< 0.5	0.538 - < 0.663	1.06	0.530
502	PP-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
533	ENDOSULFAN SULFATE	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
602	CHLOROFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
603	1,1,1-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
604	CARBON TETRACHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
605	1,1-DICHLOROETHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
606	TRICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
607	TETRACHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
608	BROMODICHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
609	DIBROMOCHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
610	BROMOFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
611	CHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
612	VINYL CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
613	O-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
614	M-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
615	P-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
616	1,1-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
618	1,1,2-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
619	1,2-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW1

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
621	TOLUENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
624	ETHYL BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
647	CHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
648	2-CHLOROETHYL VINYLETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
649	CHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
650	1,2-DICHLOROPROPANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10	< 10
655	ACRYLONITRILE	UG/L												< 10	0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
703	CALCIUM	MG/L			26.3			27.9			32			30.1	29.1	32	26.3
704	MAGNESIUM	MG/L			4.5			4.8			8			5.8	8	8	4.5
705	ARSENIC	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
706	BARIUM	MG/L												0.04	0.04	0.04	0.04
708	CADMIUM	MG/L												< 0.002	0 - < 0.002	< 0.002	< 0.002
709	TOTAL CHROMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
712	COPPER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
714	LEAD	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MG/L												< 0.003	0 - < 0.003	< 0.003	< 0.003
717	MERCURY	MG/L												< 0.0001	0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MG/L												< 0.02	0 - < 0.02	< 0.02	< 0.02
719	POTASSIUM	MG/L			< 2.4			< 2.4			< 2.4			< 2.4	0 - < 2.4	< 2.4	< 2.4
720	SELENIUM	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MG/L			16.2			16.8			23			20.8	19.2	23	16.2
724	ZINC	MG/L												0.02	0.02	0.02	0.02
725	ANTIMONY	MG/L												< 0.0005	0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MG/L												< 0.001	0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UG/L												< 1	0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
805	BENZO(A)PYRENE	UG/L												< 0.2	0 - < 0.2	< 0.2	< 0.2
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
807	BENZO(GHI)PERYLENE	UG/L												< 1	0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
813	4-BROMOPHENYL PHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
816	4-CHLOROPHENYLPHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
822	3,3'-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1	< 1

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW1

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L												3	3	3	3
824	DIMETHYL PHTHALATE	UG/L												<1	0 - <1	<1	<1
825	DI-N-BUTYL PHTHALATE	UG/L												<1	0 - <1	<1	<1
826	2,4-DINITROTOLUENE	UG/L												<1	0 - <1	<1	<1
827	2,6-DINITROTOLUENE	UG/L												<1	0 - <1	<1	<1
828	DI-N-OCTYL PHTHALATE	UG/L												<1	0 - <1	<1	<1
829	1,2-DIPHENYLHYDRAZINE	UG/L												<1	0 - <1	<1	<1
830	FLUORANTHENE	UG/L												<1	0 - <1	<1	<1
831	FLUORENE	UG/L												<1	0 - <1	<1	<1
832	HEXACHLOROBENZENE	UG/L												<1	0 - <1	<1	<1
833	HEXACHLOROBUTADIENE	UG/L												<1	0 - <1	<1	<1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												<5	0 - <5	<5	<5
835	HEXACHLOROETHANE	UG/L												<1	0 - <1	<1	<1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												<1	0 - <1	<1	<1
837	ISOPHORONE	UG/L												<1	0 - <1	<1	<1
838	NAPHTHALENE	UG/L												<1	0 - <1	<1	<1
839	NITROBENZENE	UG/L												<1	0 - <1	<1	<1
840	N-NITROSODIMETHYLAMINE	UG/L												<1	0 - <1	<1	<1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												<1	0 - <1	<1	<1
842	PHENANTHRENE	UG/L												<1	0 - <1	<1	<1
843	PYRENE	UG/L												<1	0 - <1	<1	<1
844	2,3,7,8-TCDD	UG/L												<2	0 - <2	<2	<2
845	2-CHLOROPHENOL	UG/L												<1	0 - <1	<1	<1
846	1,2,4-TRICHLOROBENZENE	UG/L												<1	0 - <1	<1	<1
847	2,4-DICHLOROPHENOL	UG/L												<1	0 - <1	<1	<1
848	2,4-DIMETHYLPHENOL	UG/L												<1	0 - <1	<1	<1
849	2,4-DINITROPHENOL	UG/L												<6	0 - <6	<6	<6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												<1	0 - <1	<1	<1
851	2-NITROPHENOL	UG/L												<1	0 - <1	<1	<1
852	4-NITROPHENOL	UG/L												<1	0 - <1	<1	<1
853	4-CHLORO-3-METHYLPHENOL	UG/L												<1	0 - <1	<1	<1
854	PENTACHLOROPHENOL	UG/L												<1	0 - <1	<1	<1
855	PHENOL	UG/L												<1	0 - <1	<1	<1
856	2,4,6-TRICHLOROPHENOL	UG/L												<1	0 - <1	<1	<1
857	N-NITROSODIPHENYLAMINE	UG/L												<1	0 - <1	<1	<1
900	DEPTH TO WATER	FEET			349.21			349.16			348.41			353.40	350.05	353.40	348.4
C15	HYDROCARBONS-MODIFIED8015	MG/L												< 0.08 ⁽¹⁾	0 - < 0.08	< 0.08	< 0.08

(1) Average of 2 samples collected (<0.05 and 0.11).

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			534						136			176	282	534	136
201	AMMONIA NITROGEN	MG/L			< 0.1						< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			< 0.1						0.1				< 0.1 - 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L			< 0.1						0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			0.38						0.51			0.41	0.43	0.51	0.38
205	NITRITE NITROGEN	MG/L			< 0.01						< 0.05				0 - < 0.03	< 0.05	< 0.01
206	TOTAL CYANIDE	MG/L												0.01	0.01	0.01	0.01
257	SULFATE	MG/L			17.2						16.7			17.0	17.0	17.2	16.7
301	CHLORIDE	MG/L			4.3						4.0			4.1	4.1	4.3	4.0
305	TOTAL ALKALINITY	MG/L			92.0						87.0				89.5	92.0	87.0
310	TOTAL PHOSPHATE	MG/L			0.30						< 0.3				0.15 - < 0.30	0.30	0.30
312	PHENOLS	MG/L												< 0.025	0 - < 0.025	< 0.025	< 0.025
315	MBAS	MG/L			< 0.1						< 0.1			< 0.05	0 - < 0.08	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.810						< 0.5			< 0.5	0.270 - < 0.603	0.810	< 0.5
502	PP-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
602	CHLOROFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
603	1,1,1-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
604	CARBON TETRACHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
605	1,1-DICHLOROETHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
606	TRICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
607	TETRACHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
608	BROMODICHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
609	DIBROMOCHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
610	BROMOFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
611	CHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
612	VINYL CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
613	O-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
614	M-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
615	P-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
616	1,1-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
618	1,1,2-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
619	1,2-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
621	TOLUENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
624	ETHYL BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
647	CHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
648	2-CHLOROETHYL VINYLETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
649	CHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
650	1,2-DICHLOROPROPANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10	< 10
655	ACRYLONITRILE	UG/L												< 10	0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
703	CALCIUM	MG/L			15.7						16.1			16.4	16.1	16.4	15.7
704	MAGNESIUM	MG/L			1.4						0.9			0.84	1.05	1.4	0.84
705	ARSENIC	MG/L												0.0010	0.0010	0.0010	0.0010
706	BARIUM	MG/L												0.02	0.02	0.02	0.02
708	CADMIUM	MG/L												< 0.002	0 - < 0.002	< 0.002	< 0.002
709	TOTAL CHROMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
712	COPPER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
714	LEAD	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MG/L												0.006	0.006	0.006	0.006
717	MERCURY	MG/L												< 0.0001	0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MG/L												< 0.02	0 - < 0.02	< 0.02	< 0.02
719	POTASSIUM	MG/L			< 2.4						< 2.4			< 2.4	0 - < 2.4	< 2.4	< 2.4
720	SELENIUM	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MG/L			31.1						32.0			33.2	32.1	33.2	31.1
724	ZINC	MG/L												0.02	0.02	0.02	0.02
725	ANTIMONY	MG/L												< 0.0005	0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MG/L												< 0.001	0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UG/L												< 1	0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
805	BENZO(A)PYRENE	UG/L												< 0.2	0 - < 0.2	< 0.2	< 0.2
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
807	BENZO(GH)PERYLENE	UG/L												< 1	0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												1	1	1	1
813	4-BROMOPHENYL PHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
816	4-CHLOROPHENYLPHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
822	3,3'-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1	< 1
823	DIETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
MONITORING WELL, MW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
824	DIMETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L												< 1	0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
831	FLUORENE	UG/L												< 1	0 - < 1	< 1	< 1
832	HEXACHLORO BENZENE	UG/L												< 1	0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L												< 1	0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												< 5	0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L												< 1	0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L												< 1	0 - < 1	< 1	< 1
843	PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L												< 2	0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L												< 6	0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
855	PHENOL	UG/L												< 1	0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
900	DEPTH TO WATER	FEET			494.45						500			525.10	506.52	525.10	494.45
C15	HYDROCARBONS-MODIFIED8015	UG/L												< 100	0 - < 100	< 100	< 100

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA

MONITORING WELL, MW4

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			609										609	609	609
201	AMMONIA NITROGEN	MG/L		< 0.1											0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L		0.3											0.3	0.3	0.3
203	TOTAL KJELDAHL NITROGEN	MG/L		0.3											0.3	0.3	0.3
204	NITRATE NITROGEN	MG/L		9.30											9.30	9.30	9.30
205	NITRITE NITROGEN	MG/L		< 0.01											0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L		75.7											75.7	75.7	75.7
301	CHLORIDE	MG/L		98.8											98.8	98.8	98.8
305	TOTAL ALKALINITY	MG/L		256											256	256	256
310	TOTAL PHOSPHATE	MG/L		< 0.3											0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L		< 0.1											0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L		1.62											1.62	1.62	1.62
703	CALCIUM	MG/L		130											130	130	130
704	MAGNESIUM	MG/L		26.4											26.4	26.4	26.4
719	POTASSIUM	MG/L		3.6											3.6	3.6	3.6
723	SODIUM	MG/L		36.2											36.2	36.2	36.2
900	DEPTH TO WATER	FEET			262.80										262.80	262.80	262.80

MONITORING WELL, MW15

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			240			209			173				207	240	173
201	AMMONIA NITROGEN	MG/L		< 0.1				< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L		< 0.1				0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L		< 0.1				0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L		1.97				1.67			1.17				1.60	1.97	1.17
205	NITRITE NITROGEN	MG/L		< 0.01				< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L		26.6				22.2			20.4				23.1	26.6	20.4
301	CHLORIDE	MG/L		7.3				7.2			12.2				8.9	12.2	7.2
305	TOTAL ALKALINITY	MG/L		160				145			102				136	160	102
310	TOTAL PHOSPHATE	MG/L		4.10				< 0.3			< 0.3				1.37 - < 1.57	4.10	< 0.3
315	MBAS	MG/L		< 0.1				< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L		0.890				1.15			0.650				0.897	1.15	0.650
703	CALCIUM	MG/L		50.6				45.7			35.1				43.8	50.6	35.1
704	MAGNESIUM	MG/L		10.0				9.0			6.8				8.6	10.0	6.8
719	POTASSIUM	MG/L		< 2.4				< 2.4			< 2.4				0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L		14.7				13.5			12.0				13.4	14.7	12.0
900	DEPTH TO WATER	FEET			297.00			301.57			308.00				302.19	308.00	297.00

MONITORING WELL, MW16

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			150			156			174				160	174	150
201	AMMONIA NITROGEN	MG/L		< 0.1				< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L		0.2				< 0.1			< 0.1				< 0.1 - 0.1	0.2	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L		0.2				< 0.1			< 0.1				< 0.1 - 0.1	0.2	< 0.1
204	NITRATE NITROGEN	MG/L		1.18				0.78			0.80				0.92	1.18	0.78
205	NITRITE NITROGEN	MG/L		< 0.01				< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L		18.8				16.6			16.5				17.3	18.8	16.5
301	CHLORIDE	MG/L		6.9				5.0			4.6				5.5	6.9	4.6
305	TOTAL ALKALINITY	MG/L		175				96.0			98.0				123.0	175	96.0
310	TOTAL PHOSPHATE	MG/L		< 0.3				< 0.3			0.40				0.13 - < 0.33	0.40	< 0.3
315	MBAS	MG/L		< 0.1				< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L		0.640				0.850			0.820				0.770	0.850	0.640
703	CALCIUM	MG/L		29.2				28.2			28				28.5	29.2	28
704	MAGNESIUM	MG/L		6.2				6.1			< 8				4.1 - < 6.8	< 8	6.1
719	POTASSIUM	MG/L		< 2.4				< 2.4			< 2.4				0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L		12.0				11.6			10				11.2	12.0	10
900	DEPTH TO WATER	FEET			296.30			296.80			299.62				297.57	299.62	296.30

TABLE 6-1
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			304			320			260				295	320	260
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.3			0.4			0.9				0.5	0.9	0.3
203	TOTAL KJELDAHL NITROGEN	MG/L			0.3			0.4			0.9				0.5	0.9	0.3
204	NITRATE NITROGEN	MG/L			2.38			2.41			2.38				2.39	2.41	2.38
205	NITRITE NITROGEN	MG/L			< 0.01						< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			61.6			60.5			78.7				66.9	78.7	60.5
301	CHLORIDE	MG/L			35.1			34.1			174				81.1	174	34.1
305	TOTAL ALKALINITY	MG/L			224			134			133				164	224	133
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L			< 0.1			< 0.1			< 0.05				0 - < 0.08	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.730			0.780			0.750				0.753	0.780	0.730
703	CALCIUM	MG/L			50.4			50.8			54				51.7	54	50.4
704	MAGNESIUM	MG/L			9.6			10.2			12				10.6	12	9.6
719	POTASSIUM	MG/L			2.8			2.9			2.6				2.8	2.9	2.6
723	SODIUM	MG/L			34.8			34.4			42				37.1	42	34.4
900	DEPTH TO WATER	FEET			263.60			263.98			264.93				264.17	264.93	263.60

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			472			416			373				420	472	373
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.5			0.6			0.6				0.6	0.6	0.5
203	TOTAL KJELDAHL NITROGEN	MG/L			0.5			0.6			0.6				0.6	0.6	0.5
204	NITRATE NITROGEN	MG/L			8.97			7.40			5.76				7.38	8.97	5.76
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			77.0			66.9			66.4				70.1	77.0	66.4
301	CHLORIDE	MG/L			60.5			55.0			44.8				53.4	60.5	44.8
305	TOTAL ALKALINITY	MG/L			208			192			166				189	208	166
310	TOTAL PHOSPHATE	MG/L			0.30			< 0.3			< 0.3				0.10 - < 0.30	0.30	0.30
315	MBAS	MG/L			< 0.1			< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L			1.50			1.41			0.970				1.293	1.50	0.970
703	CALCIUM	MG/L			94.0			89.0			72				85.0	94.0	72
704	MAGNESIUM	MG/L			18.5			17.4			14				16.6	18.5	14
719	POTASSIUM	MG/L			3.4			3.2			2.8				3.1	3.4	2.8
723	SODIUM	MG/L			28.8			26.8			24				26.5	28.8	24
900	DEPTH TO WATER	FEET			304.93			306.6			312.62				308.05	312.62	304.93

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, E

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			173			140			174			178	166	178	140
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			< 0.1			0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L			< 0.1			0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			1.34			1.20			1.18			1.31	1.26	1.34	1.18
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
206	TOTAL CYANIDE	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			25.1			23.1			22.8			24.6	23.9	25.1	22.8
301	CHLORIDE	MG/L			14.6			16.4			13.1			13.3	14.4	16.4	13.1
305	TOTAL ALKALINITY	MG/L			89.0			87.0			86.0				87.3	89.0	86.0
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			0.50				0.17 - < 0.37	0.50	< 0.3
312	PHENOLS	MG/L												< 0.006	0 - < 0.006	< 0.006	< 0.006
315	MBAS	MG/L			< 0.05			< 0.05			< 0.05			< 0.05	0 - < 0.05	< 0.05	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			< 0.5			0.610			0.810			< 0.5	0.355 - < 0.605	0.810	< 0.5
502	PP'-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP'-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP'-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
533	ENDOSULFAN SULFATE	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 1	0 - < 1	< 1	< 1
602	CHLOROFORM	UG/L												< 1	0 - < 1	< 1	< 1
603	1,1,1-TRICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
604	CARBON TETRACHLORIDE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3
605	1,1-DICHLOROETHENE	UG/L												< 1	0 - < 1	< 1	< 1
606	TRICHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
607	TETRACHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
608	BROMODICHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
609	DIBROMOCHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
610	BROMOFORM	UG/L												< 1	0 - < 1	< 1	< 1
611	CHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
612	VINYL CHLORIDE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3
613	O-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
614	M-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
615	P-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
616	1,1-DICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
618	1,1,2-TRICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
619	1,2-DICHLOROETHANE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, E

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
621	TOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
624	ETHYL BENZENE	UG/L												< 1	0 - < 1	< 1	< 1
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
647	CHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
648	2-CHLOROETHYL VINYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
649	CHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
650	1,2-DICHLOROPROPANE	UG/L												< 1	0 - < 1	< 1	< 1
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10	< 10
655	ACRYLONITRILE	UG/L												< 10	0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
703	CALCIUM	MG/L			24.8			21.3			22			27.6	23.9	27.6	21.3
704	MAGNESIUM	MG/L			1.3			1.5			< 8			3.6	1.6 - < 3.6	< 8	1.3
705	ARSENIC	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
706	BARIUM	MG/L												0.02	0.02	0.02	0.02
708	CADMIUM	MG/L												< 0.002	0 - < 0.002	< 0.002	< 0.002
709	TOTAL CHROMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
712	COPPER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
714	LEAD	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MG/L												< 0.003	0 - < 0.003	< 0.003	< 0.003
717	MERCURY	MG/L												< 0.0001	0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MG/L												< 0.02	0 - < 0.02	< 0.02	< 0.02
719	POTASSIUM	MG/L		< 2.4				< 2.4			< 2.4			< 2.4	0 - < 2.4	< 2.4	< 2.4
720	SELENIUM	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MG/L			31.8			33.0			30			36.9	32.9	36.9	30
724	ZINC	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
725	ANTIMONY	MG/L												< 0.0005	0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MG/L												< 0.001	0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UG/L												< 1	0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
805	BENZO(A)PYRENE	UG/L												< 0.2	0 - < 0.2	< 0.2	< 0.2
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
807	BENZO(GHI)PERYLENE	UG/L												< 1	0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
813	4-BROMOPHENYL PHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
816	4-CHLOROPHENYLPHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
822	3,3'-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1	< 1

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, E

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
824	DIMETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L												< 1	0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
831	FLUORENE	UG/L												< 1	0 - < 1	< 1	< 1
832	HEXACHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L												< 1	0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												< 5	0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L												< 1	0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L												< 1	0 - < 1	< 1	< 1
843	PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L												< 2	0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L												< 6	0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
855	PHENOL	UG/L												< 1	0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
C15	HYDROCARBONS-MODIFIED8015	MG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, H2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			149			162			162			162	159	162	149
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			0.50			0.57			0.55			0.53	0.54	0.57	0.50
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
206	TOTAL CYANIDE	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			16.7			28.0			16.4			18.9	20.0	28.0	16.4
301	CHLORIDE	MG/L			7.7			96.2			8.8			8.8	30.4	96.2	7.7
305	TOTAL ALKALINITY	MG/L			90.0			88.0			87.0				88.3	90.0	87.0
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
312	PHENOLS	MG/L												< 0.006	0 - < 0.006	< 0.006	< 0.006
315	MBAS	MG/L			< 0.05			< 0.05			< 0.05			< 0.05	0 - < 0.05	< 0.05	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.510			0.630			< 0.5			< 0.5	0.285 - < 0.535	0.630	< 0.5
502	PP'-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP'-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP'-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
533	ENDOSULFAN SULFATE	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 1	0 - < 1	< 1	< 1
602	CHLOROFORM	UG/L												< 1	0 - < 1	< 1	< 1
603	1,1,1-TRICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
604	CARBON TETRACHLORIDE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3
605	1,1-DICHLOROETHENE	UG/L												< 1	0 - < 1	< 1	< 1
606	TRICHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
607	TETRACHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
608	BROMODICHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
609	DIBROMOCHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
610	BROMOFORM	UG/L												< 1	0 - < 1	< 1	< 1
611	CHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
612	VINYL CHLORIDE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3
613	O-DICHLOROENZENE	UG/L												< 1	0 - < 1	< 1	< 1
614	M-DICHLOROENZENE	UG/L												< 1	0 - < 1	< 1	< 1
615	P-DICHLOROENZENE	UG/L												< 1	0 - < 1	< 1	< 1
616	1,1-DICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
618	1,1,2-TRICHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
619	1,2-DICHLOROETHANE	UG/L												< 0.3	0 - < 0.3	< 0.3	< 0.3

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, H2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
621	TOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
624	ETHYL BENZENE	UG/L												< 1	0 - < 1	< 1	< 1
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
647	CHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
648	2-CHLOROETHYL VINYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
649	CHLOROMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
650	1,2-DICHLOROPROPANE	UG/L												< 1	0 - < 1	< 1	< 1
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10	< 10
655	ACRYLONITRILE	UG/L												< 10	0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
703	CALCIUM	MG/L			19.8			22.6			22			22.6	21.8	22.6	19.8
704	MAGNESIUM	MG/L			1.0			1.2			< 8			1.1	0.8 - < 2.8	< 8	1.0
705	ARSENIC	MG/L												0.0011	0.0011	0.0011	0.0011
706	BARIUM	MG/L												0.02	0.02	0.02	0.02
708	CADMIUM	MG/L												< 0.002	0 - < 0.002	< 0.002	< 0.002
709	TOTAL CHROMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
712	COPPER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
714	LEAD	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MG/L												< 0.003	0 - < 0.003	< 0.003	< 0.003
717	MERCURY	MG/L												< 0.0001	0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MG/L												< 0.02	0 - < 0.02	< 0.02	< 0.02
719	POTASSIUM	MG/L		< 2.4				< 2.4			< 2.4			< 2.4	0 - < 2.4	< 2.4	< 2.4
720	SELENIUM	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MG/L			28.4			26.2			24			27.2	26.5	28.4	24
724	ZINC	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
725	ANTIMONY	MG/L												< 0.0005	0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MG/L												< 0.001	0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UG/L												< 1	0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
805	BENZO(A)PYRENE	UG/L												< 0.2	0 - < 0.2	< 0.2	< 0.2
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
807	BENZO(GHI)PERYLENE	UG/L												< 1	0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
813	4-BROMOPHENYL PHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
816	4-CHLOROPHENYLPHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
822	3,3'-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1	< 1

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, H2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
824	DIMETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L												< 1	0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
831	FLUORENE	UG/L												< 1	0 - < 1	< 1	< 1
832	HEXACHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L												< 1	0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												< 5	0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L												< 1	0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L												< 1	0 - < 1	< 1	< 1
843	PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L												< 2	0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L												< 6	0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
855	PHENOL	UG/L												< 1	0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
C15	HYDROCARBONS-MODIFIED8015	MG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW1

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L						128			171				150	171	128
201	AMMONIA NITROGEN	MG/L						< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L						< 0.1			0.1				< 0.1 - 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L						< 0.1			0.1				< 0.1 - 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L						0.76			0.71				0.74	0.76	0.71
205	NITRITE NITROGEN	MG/L						< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L						17.8			17.0				17.4	17.8	17.0
301	CHLORIDE	MG/L						11.4			6.8				9.1	11.4	6.8
305	TOTAL ALKALINITY	MG/L						98.0			97.0				97.5	98.0	97.0
310	TOTAL PHOSPHATE	MG/L						< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L						< 0.05			< 0.05				0 - < 0.05	< 0.05	< 0.05
405	TOTAL ORGANIC CARBON	MG/L						0.640			0.660				0.650	0.660	0.640
703	CALCIUM	MG/L						28.0			28.4				28.2	28.4	28.0
704	MAGNESIUM	MG/L						5.9			5.7				5.8	5.9	5.7
719	POTASSIUM	MG/L						< 2.4			< 2.4				0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L						13.5			13.5				13.5	13.5	13.5

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			281			274			263			293	278	293	263
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.6			0.4			0.6				0.5	0.6	0.4
203	TOTAL KJELDAHL NITROGEN	MG/L			0.6			0.4			0.6			0.6	0.6	0.6	0.4
204	NITRATE NITROGEN	MG/L			2.38			3.80			3.99			4.19	3.59	4.19	2.38
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
206	TOTAL CYANIDE	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			27.1			37.6			37.1			39.9	35.4	39.9	27.1
301	CHLORIDE	MG/L			15.6			26.1			27.1			30.2	24.8	30.2	15.6
305	TOTAL ALKALINITY	MG/L			115			128			133				125	133	115
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
312	PHENOLS	MG/L												< 0.006	0 - < 0.006	< 0.006	< 0.006
315	MBAS	MG/L			< 0.05			< 0.1			< 0.1			< 0.1	0 - < 0.09	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.850			1.38			0.670			0.560	0.865	1.38	0.560
502	PP'-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP'-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP'-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
533	ENDOSULFAN SULFATE	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
602	CHLOROFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
603	1,1,1-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
604	CARBON TETRACHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
605	1,1-DICHLOROETHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
606	TRICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
607	TETRACHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
608	BROMODICHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
609	DIBROMOCHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
610	BROMOFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
611	CHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
612	VINYL CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
613	O-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
614	M-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
615	P-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
616	1,1-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
618	1,1,2-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
619	1,2-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
621	TOLUENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
624	ETHYL BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1	< 1
647	CHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
648	2-CHLOROETHYL VINYLETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
649	CHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
650	1,2-DICHLOROPROPANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10	< 10
655	ACRYLONITRILE	UG/L												< 10	0 - < 10	< 10	< 10
662	METHYL-TERT-BUTYL-ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
703	CALCIUM	MG/L			58.7			54.0			53			60.8	56.6	60.8	53
704	MAGNESIUM	MG/L			10.9			10.4			9			11.1	10.4	11.1	9
705	ARSENIC	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
706	BARIUM	MG/L												0.08	0.08	0.08	0.08
708	CADMIUM	MG/L												< 0.002	0 - < 0.002	< 0.002	< 0.002
709	TOTAL CHROMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
712	COPPER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
714	LEAD	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
716	MANGANESE	MG/L												< 0.003	0 - < 0.003	< 0.003	< 0.003
717	MERCURY	MG/L												< 0.0001	0 - < 0.0001	< 0.0001	< 0.0001
718	NICKEL	MG/L												< 0.02	0 - < 0.02	< 0.02	< 0.02
719	POTASSIUM	MG/L		2.4				< 2.4			< 2.4			< 2.4	0.6 - < 2.4	2.4	2.4
720	SELENIUM	MG/L												< 0.0010	0 - < 0.0010	< 0.0010	< 0.0010
722	SILVER	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
723	SODIUM	MG/L			21.0			19.5			17			23.0	20.1	23.0	17
724	ZINC	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
725	ANTIMONY	MG/L												< 0.0005	0 - < 0.0005	< 0.0005	< 0.0005
726	BERYLLIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025	< 0.0025
734	THALLIUM	MG/L												< 0.001	0 - < 0.001	< 0.001	< 0.001
800	ACENAPHTHENE	UG/L												< 1	0 - < 1	< 1	< 1
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
805	BENZO(A)PYRENE	UG/L												< 0.2	0 - < 0.2	< 0.2	< 0.2
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
807	BENZO(GH)PERYLENE	UG/L												< 1	0 - < 1	< 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												1	1	1	1
813	4-BROMOPHENYL PHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
816	4-CHLOROPHENYLPHENYLETHER	UG/L												< 1	0 - < 1	< 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
822	3,3'-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1	< 1

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW2

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
824	DIMETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L												< 1	0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
831	FLUORENE	UG/L												< 1	0 - < 1	< 1	< 1
832	HEXACHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L												< 1	0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												< 5	0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L												< 1	0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L												< 1	0 - < 1	< 1	< 1
843	PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L												< 2	0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L												< 6	0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
855	PHENOL	UG/L												< 1	0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
C15	HYDROCARBONS-MODIFIED8015	MG/L												0.07	0.07	0.07	0.07

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL SW5

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			306			276			261			306	287	306	261
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1			< 0.1	0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.4			0.5			0.6				0.5	0.6	0.4
203	TOTAL KJELDAHL NITROGEN	MG/L			0.4			0.5			0.6			0.2	0.4	0.6	0.2
204	NITRATE NITROGEN	MG/L			3.15			3.17			3.47			3.48	3.32	3.48	3.15
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
206	TOTAL CYANIDE	MG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			40.6			40.8			42.5			43.4	41.8	43.4	40.6
301	CHLORIDE	MG/L			49.9			50.5			52.6			54.0	51.8	54.0	49.9
305	TOTAL ALKALINITY	MG/L			118			120			122				120	122	118
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
312	PHENOLS	MG/L												< 0.006	0 - < 0.006	< 0.006	< 0.006
315	MBAS	MG/L			< 0.1			< 0.1			< 0.05			< 0.1	0 - < 0.09	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.880			0.820			0.740			0.540	0.745	0.880	0.540
502	PP-DDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
504	PP-DDD	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
506	PP-DDT	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
508	ALPHA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
509	LINDANE (GAMMA-BHC)	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
510	HEPTACHLOR	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
511	HEPTACHLOR EPOXIDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
512	ALDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
513	DIELDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
514	ENDRIN	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
515	TOXAPHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
519	AROCLOR 1242	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
520	AROCLOR 1254	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
523	BETA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
524	DELTA-BHC	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
531	ENDOSULFAN I	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
532	ENDOSULFAN II	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
533	ENDOSULFAN SULFATE	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
534	ENDRIN ALDEHYDE	UG/L												< 0.01	0 - < 0.01	< 0.01	< 0.01
535	AROCLOR 1016	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
536	AROCLOR 1221	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
537	AROCLOR 1232	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
538	AROCLOR 1248	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
539	AROCLOR 1260	UG/L												< 0.1	0 - < 0.1	< 0.1	< 0.1
540	TECHNICAL CHLORDANE	UG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05
601	METHYLENE CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
602	CHLOROFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
603	1,1,1-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
604	CARBON TETRACHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
605	1,1-DICHLOROETHENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
606	TRICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
607	TETRACHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
608	BROMODICHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
609	DIBROMOCHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
610	BROMOFORM	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
611	CHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
612	VINYL CHLORIDE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
613	O-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
614	M-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
615	P-DICHLOROBENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
616	1,1-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
618	1,1,2-TRICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5
619	1,2-DICHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5	< 0.5

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL SW5

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
															AVERAGE	MAXIMUM MINIMUM
620	BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5
621	TOLUENE	UG/L												< 0.5	0 - < 0.5	< 0.5
624	ETHYL BENZENE	UG/L												< 0.5	0 - < 0.5	< 0.5
645	TRANS-1,2-DICHLOROETHYLENE	UG/L												< 0.5	0 - < 0.5	< 0.5
646	BROMOMETHANE	UG/L												< 1	0 - < 1	< 1
647	CHLOROETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5
648	2-CHLOROETHYL VINYLETHYL ETHER	UG/L												< 0.5	0 - < 0.5	< 0.5
649	CHLOROMETHANE	UG/L												< 0.5	0 - < 0.5	< 0.5
650	1,2-DICHLOROPROPANE	UG/L												< 0.5	0 - < 0.5	< 0.5
651	CIS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5
652	TRANS-1,3-DICHLOROPROPENE	UG/L												< 0.5	0 - < 0.5	< 0.5
653	1,1,2,2-TETRACHLOROETHANE	UG/L												< 10	0 - < 10	< 10
654	ACROLEIN	UG/L												< 10	0 - < 10	< 10
655	ACRYLONITRILE	UG/L												< 0.5	0 - < 0.5	< 0.5
662	METHYL-TERT-BUTYL-ETHER	UG/L			48.2			52.4			54			63.2	54.5	63.2
703	CALCIUM	MG/L			9.3			10.2			9			14.2	10.7	14.2
704	MAGNESIUM	MG/L												0.08	0.08	0.08
705	ARSENIC	MG/L												< 0.002	0 - < 0.002	< 0.002
706	BARIUM	MG/L												< 0.01	0 - < 0.01	< 0.01
708	CADMIUM	MG/L												< 0.01	0 - < 0.01	< 0.01
709	TOTAL CHROMIUM	MG/L												< 0.003	0 - < 0.003	< 0.003
712	COPPER	MG/L												< 0.0001	0 - < 0.0001	< 0.0001
714	LEAD	MG/L												< 0.02	0 - < 0.02	< 0.02
716	MANGANESE	MG/L												< 2.4	1.9 - < 2.5	2.4
717	MERCURY	MG/L												0.0010	0.0010	0.0010
718	NICKEL	MG/L			2.6			2.4			2.4			< 0.01	0 - < 0.01	< 0.01
719	POTASSIUM	MG/L												39.2	33.1	39.2
720	SELENIUM	MG/L												0.22	0.22	0.22
722	SILVER	MG/L			31.1			33.1			29			< 0.0005	0 - < 0.0005	< 0.0005
723	SODIUM	MG/L												< 0.0025	0 - < 0.0025	< 0.0025
724	ZINC	MG/L												< 0.001	0 - < 0.001	< 0.001
725	ANTIMONY	MG/L												< 1	0 - < 1	< 1
726	BERYLLIUM	MG/L												< 1	0 - < 1	< 1
734	THALLIUM	MG/L												< 20	0 - < 20	< 20
800	ACENAPHTHENE	UG/L												< 0.2	0 - < 0.2	< 0.2
801	ACENAPHTHYLENE	UG/L												< 1	0 - < 1	< 1
802	ANTHRACENE	UG/L												< 1	0 - < 1	< 1
803	BENZIDINE	UG/L												< 20	0 - < 20	< 20
804	BENZO(A)ANTHRACENE	UG/L												< 1	0 - < 1	< 1
805	BENZO(A)PYRENE	UG/L												< 1	0 - < 1	< 1
806	BENZO(B)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1
807	BENZO(G)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1
808	BENZO(K)FLUORANTHENE	UG/L												< 1	0 - < 1	< 1
809	BIS(2-CL-ETHOXY)METHANE	UG/L												< 1	0 - < 1	< 1
810	BIS(2-CHLOROETHYL)ETHER	UG/L												< 1	0 - < 1	< 1
811	BIS(2-CL-ISOPROPYL)ETHER	UG/L												< 1	0 - < 1	< 1
812	DIETHYLHEXYL PHTHALATE	UG/L												< 1	0 - < 1	< 1
813	4-BROMOPHENYL PHENYLETHYL ETHER	UG/L												< 1	0 - < 1	< 1
814	BUTYLBENZYL PHTHALATE	UG/L												< 1	0 - < 1	< 1
815	2-CHLORONAPHTHALENE	UG/L												< 1	0 - < 1	< 1
816	4-CHLOROPHENYLPHENYLETHYL ETHER	UG/L												< 1	0 - < 1	< 1
817	CHRYSENE	UG/L												< 1	0 - < 1	< 1
818	DIBENZO(A,H)ANTHRACENE	UG/L												< 1	0 - < 1	< 1
819	1,2-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1
820	1,3-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1
821	1,4-DICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1
822	3,3-DICHLOROBENZIDINE	UG/L												< 1	0 - < 1	< 1

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW5

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
823	DIETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
824	DIMETHYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
825	DI-N-BUTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
826	2,4-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
827	2,6-DINITROTOLUENE	UG/L												< 1	0 - < 1	< 1	< 1
828	DI-N-OCTYL PHTHALATE	UG/L												< 1	0 - < 1	< 1	< 1
829	1,2-DIPHENYLHYDRAZINE	UG/L												< 1	0 - < 1	< 1	< 1
830	FLUORANTHENE	UG/L												< 1	0 - < 1	< 1	< 1
831	FLUORENE	UG/L												< 1	0 - < 1	< 1	< 1
832	HEXACHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
833	HEXACHLOROBUTADIENE	UG/L												< 1	0 - < 1	< 1	< 1
834	HEXACHLOROCYCLOPENTADIENE	UG/L												< 5	0 - < 5	< 5	< 5
835	HEXACHLOROETHANE	UG/L												< 1	0 - < 1	< 1	< 1
836	INDENO(1,2,3-C,D)PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
837	ISOPHORONE	UG/L												< 1	0 - < 1	< 1	< 1
838	NAPHTHALENE	UG/L												< 1	0 - < 1	< 1	< 1
839	NITROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
840	N-NITROSODIMETHYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
841	N-NITROSODI-N-PROPYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
842	PHENANTHRENE	UG/L												< 1	0 - < 1	< 1	< 1
843	PYRENE	UG/L												< 1	0 - < 1	< 1	< 1
844	2,3,7,8-TCDD	UG/L												< 2	0 - < 2	< 2	< 2
845	2-CHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
846	1,2,4-TRICHLOROBENZENE	UG/L												< 1	0 - < 1	< 1	< 1
847	2,4-DICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
848	2,4-DIMETHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
849	2,4-DINITROPHENOL	UG/L												< 6	0 - < 6	< 6	< 6
850	2-METHYL-4,6-DINITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
851	2-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
852	4-NITROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
853	4-CHLORO-3-METHYLPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
854	PENTACHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
855	PHENOL	UG/L												< 1	0 - < 1	< 1	< 1
856	2,4,6-TRICHLOROPHENOL	UG/L												< 1	0 - < 1	< 1	< 1
857	N-NITROSODIPHENYLAMINE	UG/L												< 1	0 - < 1	< 1	< 1
C15	HYDROCARBONS-MODIFIED8015	MG/L												< 0.05	0 - < 0.05	< 0.05	< 0.05

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA
SUPPLY WELL, SW7

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L									216				216	216	216
201	AMMONIA NITROGEN	MG/L									< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L									0.4				0.4	0.4	0.4
203	TOTAL KJELDAHL NITROGEN	MG/L									0.4				0.4	0.4	0.4
204	NITRATE NITROGEN	MG/L									2.30				2.30	2.30	2.30
205	NITRITE NITROGEN	MG/L									< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L									27.3				27.3	27.3	27.3
301	CHLORIDE	MG/L									13.8				13.8	13.8	13.8
305	TOTAL ALKALINITY	MG/L									115				115	115	115
310	TOTAL PHOSPHATE	MG/L									< 0.3				0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L									< 0.1				0 - < 0.1	< 0.1	< 0.1
405	TOTAL ORGANIC CARBON	MG/L									0.550				0.550	0.550	0.550
703	CALCIUM	MG/L									42				42	42	42
704	MAGNESIUM	MG/L									10				10	10	10
719	POTASSIUM	MG/L									< 2.4				0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L									21				21	21	21

SUPPLY WELL, SW8

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			308						274				291	308	274
201	AMMONIA NITROGEN	MG/L			< 0.1						< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.5						0.7				0.6	0.7	0.5
203	TOTAL KJELDAHL NITROGEN	MG/L			0.5						0.7				0.6	0.7	0.5
204	NITRATE NITROGEN	MG/L			4.56						4.09				4.33	4.56	4.09
205	NITRITE NITROGEN	MG/L			< 0.01						< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			42.1						37.5				39.8	42.1	37.5
301	CHLORIDE	MG/L			34.3						28.8				31.6	34.3	28.8
305	TOTAL ALKALINITY	MG/L			151						141				146	151	141
310	TOTAL PHOSPHATE	MG/L			< 0.3						< 0.3				0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L			< 0.05						< 0.05				0 - < 0.05	< 0.05	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			1.00						0.730				0.865	1.00	0.730
703	CALCIUM	MG/L			58.4						58.4				58.4	58.4	58.4
704	MAGNESIUM	MG/L			11.9						11.1				11.5	11.9	11.1
719	POTASSIUM	MG/L			2.8						2.6				2.7	2.8	2.6
723	SODIUM	MG/L			19.1						19.6				19.4	19.6	19.1

SUPPLY WELL, SW9

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			242			211			268				240	268	211
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1			< 0.1				0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.2			0.5			< 0.1				0.2 - < 0.3	0.5	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L			0.2			0.5			< 0.1				0.2 - < 0.3	0.5	< 0.1
204	NITRATE NITROGEN	MG/L			3.77			3.30			3.67				3.58	3.77	3.30
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01			< 0.01				0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			30.1			28.6			29.8				29.5	30.1	28.6
301	CHLORIDE	MG/L			22.3			20.5			22.0				21.6	22.3	20.5
305	TOTAL ALKALINITY	MG/L			135			129			136				133	136	129
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3			< 0.3				0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L			< 0.05			< 0.05			< 0.1				0 - < 0.07	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.720			0.750			0.560				0.677	0.750	0.560
703	CALCIUM	MG/L			49.5			46.6			50				48.7	50	46.6
704	MAGNESIUM	MG/L			9.7			9.7			9				9.5	9.7	9
719	POTASSIUM	MG/L			< 2.4			2.5			< 2.4				0.8 - < 2.4	2.5	< 2.4
723	SODIUM	MG/L			17.2			17.5			15				16.6	17.5	15

TABLE 6-2
PALMDALE WATER RECLAMATION PLANT
2000 GROUNDWATER MONITORING DATA

SUPPLY WELL, SW10																		
TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL			
															AVERAGE	MAXIMUM	MINIMUM	
155	TOTAL DISSOLVED SOLIDS	MG/L			284						290					287	290	284
201	AMMONIA NITROGEN	MG/L			0.2						< 0.1					0.1 - < 0.2	0.2	< 0.1
202	ORGANIC NITROGEN	MG/L			0.3						0.6					0.5	0.6	0.3
203	TOTAL KJELDAHL NITROGEN	MG/L			0.5						0.6					0.6	0.6	0.5
204	NITRATE NITROGEN	MG/L			4.41						4.53					4.47	4.53	4.41
205	NITRITE NITROGEN	MG/L			< 0.01						< 0.01					0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			41.2						40.5					40.9	41.2	40.5
301	CHLORIDE	MG/L			31.3						31.7					31.5	31.7	31.3
305	TOTAL ALKALINITY	MG/L			144						142					143	144	142
310	TOTAL PHOSPHATE	MG/L			< 0.3						< 0.3					0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L			< 0.05						< 0.1					0 - < 0.08	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.890						0.730					0.810	0.890	0.730
703	CALCIUM	MG/L			58.5						59					58.8	59	58.5
704	MAGNESIUM	MG/L			11.9						10					11.0	11.9	10
719	POTASSIUM	MG/L			< 2.4						2.4					1.2 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L			19.7						19					19.4	19.7	19

SUPPLY WELL, SW13																		
TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL			
															AVERAGE	MAXIMUM	MINIMUM	
155	TOTAL DISSOLVED SOLIDS	MG/L			196			252								224	252	196
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1								0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L			0.2			0.3								0.3	0.3	0.2
203	TOTAL KJELDAHL NITROGEN	MG/L			0.2			0.3								0.3	0.3	0.2
204	NITRATE NITROGEN	MG/L			2.30			2.82								2.56	2.82	2.30
205	NITRITE NITROGEN	MG/L			< 0.01			< 0.01								0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L			26.7			28.3								27.5	28.3	26.7
301	CHLORIDE	MG/L			14.4			20.2								17.3	20.2	14.4
305	TOTAL ALKALINITY	MG/L			116			117								117	117	116
310	TOTAL PHOSPHATE	MG/L			< 0.3			< 0.3								0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L			< 0.05			< 0.1								0 - < 0.08	< 0.1	< 0.05
405	TOTAL ORGANIC CARBON	MG/L			0.660			0.810								0.735	0.810	0.660
703	CALCIUM	MG/L			40.7			44.1								42.4	44.1	40.7
704	MAGNESIUM	MG/L			7.4			8.1								7.8	8.1	7.4
719	POTASSIUM	MG/L			< 2.4			< 2.4								0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L			15.2			15.4								15.3	15.4	15.2

SUPPLY WELL, SW14																	
TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
155	TOTAL DISSOLVED SOLIDS	MG/L			196			128							128	128	128
201	AMMONIA NITROGEN	MG/L					< 0.1								0 - < 0.1	< 0.1	< 0.1
202	ORGANIC NITROGEN	MG/L					< 0.1								0 - < 0.1	< 0.1	< 0.1
203	TOTAL KJELDAHL NITROGEN	MG/L					< 0.1								0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L						0.72							0.72	0.72	0.72
205	NITRITE NITROGEN	MG/L					< 0.01								0 - < 0.01	< 0.01	< 0.01
257	SULFATE	MG/L						16.9							16.9	16.9	16.9
301	CHLORIDE	MG/L						6.4							6.4	6.4	6.4
305	TOTAL ALKALINITY	MG/L						98.0							98.0	98.0	98.0
310	TOTAL PHOSPHATE	MG/L						< 0.3							0 - < 0.3	< 0.3	< 0.3
315	MBAS	MG/L						< 0.05							0 - < 0.05	< 0.05	< 0.05
405	TOTAL ORGANIC CARBON	MG/L						0.720							0.720	0.720	0.720
703	CALCIUM	MG/L						27.4							27.4	27.4	27.4
704	MAGNESIUM	MG/L						5.7							5.7	5.7	5.7
719	POTASSIUM	MG/L						< 2.4							0 - < 2.4	< 2.4	< 2.4
723	SODIUM	MG/L						13.3							13.3	13.3	13.3

TABLE 6-3
PALMDALE WATER RECLAMATION PLANT
2000 LYSIMETER MONITORING DATA

LYSIMETER, L1

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1							0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			77.86			44.63							61.25	77.86	44.63
205	NITRITE NITROGEN	MG/L			0.003			0.012							0.008	0.012	0.003
257	SULFATE	MG/L		685			656								671	685	656
301	CHLORIDE	MG/L		315			286								301	315	286
315	MBAS	MG/L		0.03			0.04								0.04	0.04	0.03

LYSIMETER, L3

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1							0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			39.82			27.71							33.77	39.82	27.71
205	NITRITE NITROGEN	MG/L			0.006			0.008							0.007	0.008	0.006
257	SULFATE	MG/L		149			146								148	149	146
301	CHLORIDE	MG/L		332			328								330	332	328
315	MBAS	MG/L		0.03			0.04								0.04	0.04	0.03

LYSIMETER, L4

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1							0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			35.52			24.55							30.04	35.52	24.55
205	NITRITE NITROGEN	MG/L			0.006			0.019							0.013	0.019	0.006
257	SULFATE	MG/L		24			93								59	93	24
301	CHLORIDE	MG/L		112			113								113	113	112
315	MBAS	MG/L		0.03			0.03								0.03	0.03	0.03

LYSIMETER, L6

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
201	AMMONIA NITROGEN	MG/L						< 0.1							0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			53.1			38.3							45.7	53.1	38.3
205	NITRITE NITROGEN	MG/L			0.002			0.001							0.0015	0.002	0.001
257	SULFATE	MG/L			29		71								50	71	29
301	CHLORIDE	MG/L			39		109								74	109	39
315	MBAS	MG/L		0.02			0.05								0.035	0.05	0.02

LYSIMETER, L8

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
201	AMMONIA NITROGEN	MG/L			< 0.1			< 0.1							0 - < 0.1	< 0.1	< 0.1
204	NITRATE NITROGEN	MG/L			27.45			20.83							24.14	27.45	20.83
205	NITRITE NITROGEN	MG/L			0.002			0.001							0.002	0.002	0.001
257	SULFATE	MG/L		77			75								76	77	75
301	CHLORIDE	MG/L		115			114								114.5	115	114
315	MBAS	MG/L		0.02			0.03								0.025	0.03	0.02

LYSIMETER, L16

TEST CODE	CONSTITUENT	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
															AVERAGE	MAXIMUM	MINIMUM
204	NITRATE NITROGEN	MG/L						33.85							33.85	33.85	33.85
205	NITRITE NITROGEN	MG/L						0.002							0.002	0.002	0.002
257	SULFATE	MG/L					111								111	111	111
301	CHLORIDE	MG/L					148								148	148	148

FIGURE 6-1
PALMDALE WATER RECLAMATION PLANT
DISPOSAL/REUSE SITES, WELLS AND LYSIMETERS

