Table 32. Hydraulic-conductivity data from slug tests at selected multiple-well monitoring sites, Los Angeles County, California

[State well No.: See well-numbering diagram in text. Hydraulic conductivity values are in feet per day. Test method: Cooper and others (1967), Kipp (1985), Van der Kamp (1976)]

State well No.	Common name	Test method	Number of observations	Aquifer system, or unit	Specific storage = 10^{-4}		Specific storage = 10^{-6}	
					Mean	97 percent confidence level	Mean	97 percent confidence level
002S012W07J002S	Commerce-1 #2	not evaluated		Lower San Pedro				
002S012W07J003S	Commerce-1 #3	Cooper	40	Lower San Pedro	6.1	0.2	9.8	0.3
002S012W07J004S	Commerce-1 #4	Van der Kamp	39	Upper San Pedro	23	.9	39	1.4
002S012W07J005S	Commerce-1 #5	Cooper	40	Upper San Pedro	5.2	.4	13	.3
002S012W07J006S	Commerce-1 #6	Cooper	30	Lakewood	3.3	.2	5.3	.2
002S012W26D009S	Rio Hondo-1 #1	Cooper	14	Lower San Pedro	5.4	1.3	8.7	2.1
002S012W26D011S	Rio Hondo-1 #3	Kipp	12	Upper San Pedro	15	2.5	26	4.0
002S014W26N003S	Inglewood-2 #1	Cooper	10	Pico	.1	.0	.2	.0
002S014W26N005S	Inglewood-2 #3	Cooper	42	Lower San Pedro	9.6	.4	15	.6
002S014W28M003S	Inglewood-1 #1	Cooper	40	Pico	4.9	.2	7.8	.4
002S014W28M005S	Inglewood-1 #3	Van der Kamp	40	Lower San Pedro	41	.8	67	1.3
003S011W02K004S	Whittier-1 #1	Van der Kamp	40	Upper San Pedro	19	.4	31	.6
003S011W02K006S	Whittier-1 #4	Van der Kamp	40	Upper San Pedro	28	1.8	47	2.7
003S011W02K008S	Whittier-1 #3	Cooper	40	Upper San Pedro	5.6	.4	8.7	.4
003S011W09D001S	Santa Fe Springs-1 #1	not evaluated		Pico				
003S011W09D002S	Santa Fe Springs-1 #2	Cooper	12	Lower San Pedro	1.5	.2	2.6	.3
003S011W09D003S	Santa Fe Springs-1 #3	Cooper	34	Upper San Pedro	3.2	.2	5.0	.4
003S011W26E002S	La Mirada-1 #1	Van der Kamp	40	Lower San Pedro	27	.5	44	.8
003S011W26E003S	La Mirada-1 #2	Van der Kamp	40	Upper San Pedro	33	.5	53	1.0
003S011W26E004S	La Mirada-1 #3	Van der Kamp	39	Upper San Pedro	41	.9	67	1.6
003S011W26E005S	La Mirada-1 #4	Van der Kamp	40	Upper San Pedro	21	.8	35	1.3
003S011W26E006S	La Mirada-1 #5	not evaluated		Lakewood				
003S012W06B004S	South Gate-1 #1	Cooper	36	Lower San Pedro	2.8	.1	4.5	.1
003S012W09J001S	Downey-1 #1	Kipp	8	Upper San Pedro	12	2.2	22	5.6
003S012W09J002S	Downey-1 #2	Cooper	13	Upper San Pedro	13	2.5	20	3.9
003S012W09J003S	Downey-1 #3	Kipp	8	Upper San Pedro	22	6.7	37	11

Table 32. Hydraulic-conductivity data from slug tests at selected multiple-well monitoring sites, Los Angeles County, California—Continued

State well No.	Common name	Test method	Number of observations	Aquifer system, or unit	Specific storage = 10^{-4}		Specific storage = 10^{-6}	
					Mean	97 percent confidence level	Mean	97 percent confidence level
003S012W09J005S	Downey-1 #5	Cooper	10	Lakewood	7.6	4.0	13	6.3
003S012W09J006S	Downey-1 #6	Cooper	13	Recent	18	2.1	27	4.0
003S013W08J001S	Willowbrook-1 #1	Cooper	14	Lower San Pedro	7.4	1.6	12	2.6
003S013W08J002S	Willowbrook-1 #2	Kipp	9	Upper San Pedro	30	12	50	19
003S013W08J003S	Willowbrook-1 #3	Cooper	18	Upper San Pedro	15	1.8	24	2.7
003S014W13J005S	Gardena-1 #1	Cooper	12	Lower San Pedro	15	8.4	25	14
003S014W13J006S	Gardena-1 #2	Cooper	13	Upper San Pedro	4.1	1.6	6.7	2.8
003S014W13J008S	Gardena-1 #4	Cooper	12	Lakewood	5.8	1.8	9.4	3.0
003S014W17G003S	Hawthorne-1 #1	not evaluated		Pico				
003S014W17G005S	Hawthorne-1 #3	Van der Kamp	40	Upper San Pedro	28	1.2	47	1.8
003S014W17G006S	Hawthorne-1 #4	Van der Kamp	40	Upper San Pedro	43	1.2	70	2.0
003S014W17G007S	Hawthorne-1 #5	Cooper	40	Upper San Pedro	8.4	.2	13	.3
003S014W17G008S	Hawthorne-1 #6	Cooper	10	Lakewood	1.0	.3	1.6	.5
004S011W05P009S	Cerritos-1 #1	Van der Kamp	40	Lower San Pedro	21	.4	35	.6
004S011W05P010S	Cerritos-1 #2	Van der Kamp	26	Lower San Pedro	40	.9	65	1.6
004S011W05P011S	Cerritos-1 #3	Van der Kamp	40	Upper San Pedro	18	.9	30	1.4
004S011W05P012S	Cerritos-1 #4	Van der Kamp	40	Upper San Pedro	34	1.2	57	2.0
004S011W05P013S	Cerritos-1 #5	Cooper	40	Lakewood	13	.6	21	.9
004S011W05P014S	Cerritos-1 #6	Cooper	40	Lakewood	12	.7	20	1.1
004S012W05H005S	Lakewood-1 #1	Kipp	16	Lower San Pedro	18	1.2	32	2.0
004S012W05H006S	Lakewood-1 #2	Kipp	15	Upper San Pedro	15	1.8	25	2.9
004S012W05H007S	Lakewood-1 #3	Cooper	15	Upper San Pedro	8.2	4.0	10	3.9
004S012W05H008S	Lakewood-1 #4	Cooper	19	Lakewood	14	2.4	24	3.0
004S012W05H009S	Lakewood-1 #5	Cooper	19	Lakewood	19	1.6	30	2.3
004S012W05H010S	Lakewood-1 #6	Cooper	15	Lakewood	11	2.6	18	4.1
004S012W25G001S	Long Beach-1 #1	Van der Kamp	32	Lower San Pedro	45	.6	71	1.0
004S012W25G002S	Long Beach-1 #2	Van der Kamp	40	Lower San Pedro	24	.4	39	.7
004S012W25G004S	Long Beach-1 #4	not evaluated		Upper San Pedro				

Table 32. Hydraulic-conductivity data from slug tests at selected multiple-well monitoring sites, Los Angeles County, California—Continued

State well No.	Common name	Test method	Number of observations	Aquifer system, or unit	Specific storage = 10^{-4}		Specific storage = 10^{-6}	
					Mean	97 percent confidence level	Mean	97 percent confidence level
004S012W25G005S	Long Beach-1 #5	Cooper	40	Upper San Pedro	3.9	0.2	6.2	0.2
004S012W25G006S	Long Beach-1 #6	Cooper	39	Lakewood	9.6	.5	15	.7
004S013W01N005S	Long Beach-2 #3	Van der Kamp	40	Upper San Pedro	38	.8	62	1.4
004S013W01N006S	Long Beach-2 #4	Cooper	40	Upper San Pedro	9.0	.5	14	.8
004S013W01N007S	Long Beach-2 #5	Van der Kamp	40	Lakewood	87	2.3	141	3.8
004S013W01N008S	Long Beach-2 #6	Cooper	32	Lakewood	16	1.4	25	2.2
004S013W09H009S	Carson-1 #1	Kipp	14	Upper San Pedro	11	4.0	19	7.3
004S013W09H010S	Carson-1 #2	Cooper	12	Upper San Pedro	30	8.1	50	13
004S013W09H011S	Carson-1 #3	Cooper	14	Upper San Pedro	46	15	75	20
004S013W09H012S	Carson-1 #4	Cooper	14	Lakewood	12	1.9	19	2.9
004S013W28A004S	Wilmington-1 #2	Kipp	9	Lower San Pedro	26	34	43	24
004S013W28A005S	Wilmington-1 #3	Kipp	14	Upper San Pedro	31	16	52	25
004S013W28A006S	Wilmington-1 #4	Kipp	14	Upper San Pedro	42	10	72	16
004S013W28A007S	Wilmington-1 #5	Cooper	9	Lakewood	11	3.1	16	4.2
004S013W32F001S	Wilmington-2 #1	Kipp	12	Lower San Pedro	21	3.1	38	5.5
004S013W32F002S	Wilmington-2 #2	Kipp	10	Upper San Pedro	30	14	46	25
004S013W32F003S	Wilmington-2 #3	Kipp	14	Upper San Pedro	19	6.0	33	9.4
004S013W32F004S	Wilmington-2 #4	Cooper	13	Upper San Pedro	13	1.9	20	2.9
004S013W32F005S	Wilmington-2 #5	Cooper	12	Lakewood	9.9	2.4	16	3.9

Table 33. Saturated hydraulic-conductivity data from laboratory tests on core samples from selected multiple-well monitoring sites, Los Angeles County, California

[Core depth in feet below land surface. cm/s, centimeters per second; ft/d, foot per day. < , actual value is less than value shown]

Monitoring site	Core depth	Aquifer system core was recovered from	General lithology of core interval	Saturated hydraulic conductivity	
				(cm/s)	(ft/d)
Carson-1	99–102	Lakewood	clay	9.5×10^{-7}	2.7×10^{-3}
Downey-1	1,198–1,201	Lower San Pedro	clay	5.4×10^{-5}	1.5×10^{-1}
Huntington Park-1	201–204	Lakewood	clay	3.4×10^{-8}	9.5×10^{-5}
Lakewood-1	838–841	Lower San Pedro	clay	5.8×10^{-8}	1.6×10^{-4}
Long Beach-1	97.4–97.9	Recent	clay	1.5×10^{-7}	4.1×10^{-4}
Pico Rivera-1	100–103	Lakewood	clay	4.0×10^{-6}	1.1×10^{-2}
Whittier-1	190–193	Lakewood	clay	$< 1.0 \times 10^{-8}$	$< 2.8 \times 10^{-5}$
Willowbrook-1	158–161	Lakewood	clay	8.5×10^{-8}	2.4×10^{-4}
Wilmington-1	319–322	Upper San Pedro	clay	3.5×10^{-5}	9.9×10^{-2}
Wilmington-2	1,038–1,041	Lower San Pedro	clay	9.3×10^{-5}	2.6×10^{-1}
Carson-1	598–601	Upper San Pedro	silt	2.8×10^{-7}	8.0×10^{-4}
Downey-1	160–163	Lakewood	silt	4.5×10^{-6}	1.3×10^{-2}
Downey-1	486–489	Upper San Pedro	silt	1.0×10^{-4}	2.9×10^{-1}
Downey-1	800–803	Upper San Pedro	silt	6.5×10^{-4}	1.9
Gardena-1	320–323	Upper San Pedro	silt	2.1×10^{-6}	6.0×10^{-3}
Lakewood-1	260–263	Lakewood	silt	3.6×10^{-8}	1.0×10^{-4}
Lakewood-1	440–443	Upper San Pedro	silt	7.9×10^{-8}	2.2×10^{-4}
Long Beach-1	202.6–203.0	Upper San Pedro	silt	1.2×10^{-5}	3.4×10^{-2}
Long Beach-1	291.9–292.2	Upper San Pedro	silt	3.2×10^{-7}	9.0×10^{-4}
Pico Rivera-2	170–173	Lakewood	silt	7.0×10^{-7}	2.0×10^{-3}
Pico Rivera-2	480–483	Upper San Pedro	silt	4.4×10^{-7}	1.3×10^{-3}
Rio Hondo-1	198–201	Lakewood	silt	5.1×10^{-4}	1.4
Willowbrook-1	400–403	Upper San Pedro	silt	1.2×10^{-3}	3.4
Willowbrook-1	998–1,001	Lower San Pedro	silt	3.8×10^{-8}	1.1×10^{-4}
Wilmington-2	184–187	Lakewood	silt	2.1×10^{-5}	5.9×10^{-2}
Carson-1	285–288	Upper San Pedro	sand	2.5×10^{-3}	7.1
Carson-1	1,198–1,201	Lower San Pedro	sand	6.2×10^{-6}	1.8×10^{-2}
Gardena-1	150–153	Lakewood	sand	6.6×10^{-4}	1.9
Gardena-1	560–563	Upper San Pedro	sand	2.9×10^{-3}	8.2
Gardena-1	860–863	Lower San Pedro	sand	1.3×10^{-4}	3.7×10^{-1}
Huntington Park-1	480–483	Upper San Pedro	sand	3.0×10^{-7}	8.5×10^{-4}
Huntington Park-1	1,019–1,022	Lower San Pedro	sand	3.7×10^{-7}	1.0×10^{-3}
Lakewood-1	160–163	Lakewood	sand	2.6×10^{-3}	7.4

Table 33. Saturated hydraulic-conductivity data from laboratory tests on core samples from selected multiple-well monitoring sites, Los Angeles County, California—Continued

Monitoring site	Core depth	Aquifer system core was recovered from	General lithology of core interval	Saturated hydraulic conductivity	
				(cm/s)	(ft/d)
Long Beach-1	44.2–44.8	Recent	sand	2.5×10^{-4}	7.1×10^{-1}
Long Beach-1	147.2–147.6	Lakewood	sand	1.2×10^{-3}	3.3
Long Beach-1	248.1–248.4	Upper San Pedro	sand	3.9×10^{-7}	1.1×10^{-3}
Long Beach-1	351.3–351.6	Upper San Pedro	sand	3.2×10^{-4}	9.1×10^{-1}
Long Beach-1	404.5–404.8	Upper San Pedro	sand	5.4×10^{-4}	1.5
Long Beach-1	451.6–451.9	Upper San Pedro	sand	1.4×10^{-4}	3.9×10^{-1}
Long Beach-1	513.7–514	Upper San Pedro	sand	9.4×10^{-5}	2.7×10^{-1}
Pico Rivera-1	440–443	Lower San Pedro	sand	2.9×10^{-6}	8.3×10^{-3}
Rio Hondo-1	339–342	Upper San Pedro	sand	1.4×10^{-7}	3.9×10^{-4}
Rio Hondo-1	528–531	Upper San Pedro	sand	6.7×10^{-6}	1.9×10^{-2}
Rio Hondo-1	1,158–1,161	Lower San Pedro	sand	4.6×10^{-6}	1.3×10^{-2}
Whittier-1	210–212	Upper San Pedro	sand	4.2×10^{-4}	1.2
Whittier-1	460–462	Upper San Pedro	sand	2.8×10^{-5}	8.1×10^{-2}
Willowbrook-1	290–293	Upper San Pedro	sand	3.3×10^{-5}	9.3×10^{-2}
Wilmington-1	1,038–1,041	Lower San Pedro	sand	6.8×10^{-7}	1.9×10^{-3}

Summary of saturated hydraulic conductivity

Aquifer system or lithologic material	Geometric mean	Number of measurements	Saturated hydraulic conductivity (ft/d)	
			Minimum value	Minimum value
Aquifer system				
Recent	1.7×10^{-2}	2	4.1×10^{-4}	7.1×10^{-1}
Lakewood	2.1×10^{-2}	13	9.5×10^{-5}	7.4
Upper San Pedro	5.3×10^{-2}	23	2.2×10^{-4}	8.2
Lower San Pedro	7.9×10^{-3}	10	1.1×10^{-4}	3.7×10^{-1}
Lithologic material				
Clay	3.9×10^{-3}	10	9.5×10^{-5}	2.6×10^{-1}
Silt	1.0×10^{-2}	15	1.0×10^{-4}	3.4
Sand	1.0×10^{-1}	23	3.9×10^{-4}	8.2
All cores	2.7×10^{-2}	48	9.5×10^{-5}	8.2

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

[State well No.: See well numbering diagram in text. All data were analyzed at U.S. Geological Survey laboratories. Location of sites is shown in figure 2. measurement; [3] acid-neutralizing capacity, 0.45-µm (micrometer) filtered sample used; and [4] alkalinity titration, incremental end-point determination. °C, degrees Celsius; µg/L, micrograms per liter. <, actual value is less than value shown; —, no data]]

State well No.	Common name	Sample date	Solids, residue on evaporation at 180°C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (µS/cm)	Water temperature (°C)
1N/13W-28L1	LACDPW 3945C	6/4/97	—	331	7.6	7.5	573	21.6
1S/11W-25D1	LACDPW 3003A	8/24/95	—	*[1]392*	—	7.6	*[2]675*	20.1
1S/15W-24L1	Linden B-1	6/13/97	—	750	<.1	8.6	1,270	25.3
2S/11W-18C4	Pico Rivera-1 #1	5/9/97	370	356	1	8	582	22.5
2S/11W-18C4		5/6/98	368	362	.1	8.1	574	19
2S/11W-18C5	Pico Rivera-1 #2	6/5/96	354	342	.6	7.6	555	20.6
2S/11W-18C5		4/30/97	316	307	.2	7.6	513	20.1
2S/11W-18C6	Pico Rivera-1 #3	6/5/96	744	705	.2	7	1,110	20.3
2S/11W-18C6		4/30/97	672	649	.2	7	1,040	20.1
2S/11W-18C7	Pico Rivera-1 #4	6/5/96	605	579	.8	7.3	940	20.6
2S/11W-18C7		4/30/97	590	577	.3	7.3	934	20.4
2S/12W-5J1	Calif Water-5101	9/10/96	—	*712*	—	7.5	1,200	23.8
2S/12W-7G1	Calif Water-3901	9/10/96	—	*493*	—	7.7	841	23.9
2S/12W-7J2	Commerce-1 #2	8/18/99	412	486	<.1	7.8	1,130	28
2S/12W-7J3	Commerce-1 #3	8/18/99	460	457	.3	7.9	770	24.1
2S/12W-7J4	Commerce-1 #4	8/19/99	508	504	.6	7.7	880	23.8
2S/12W-7J5	Commerce-1 #5	8/17/99	570	556	4.8	7.5	910	21.7
2S/12W-7J6	Commerce-1 #6	8/17/99	385	384	5.7	7.6	650	22
2S/12W-11R4	Montebello-11a	9/6/95	—	*450*	—	7.4	770	21.6
2S/12W-11R4		5/15/96	478	475	1.2	7.3	772	19.5
2S/12W-24M8	LACDPW 1601T	9/13/95	—	458	1.4	6.9	784	21.5
2S/12W-25G3	Pico Rivera-2 #1	3/31/99	482	455	2.5	7.3	766	19.5
2S/12W-25G4	Pico Rivera-2 #2	3/30/99	559	523	3.3	7.4	866	18.8
2S/12W-25G5	Pico Rivera-2 #3	4/1/99	522	494	3.5	7.3	810	18.5
2S/12W-25G6	Pico Rivera-2 #4	3/30/99	582	547	.1	7.3	925	19.8
2S/12W-25G7	Pico Rivera-2 #5	4/1/99	537	503	.2	7.2	925	19.8
2S/12W-25G8	Pico Rivera-2 #6	3/31/99	559	524	.1	7.1	885	21.6
2S/12W-26D9	Rio Hondo-1 #1	1/28/98	289	280	.2	8.1	449	20.4
2S/12W-26D9		5/8/98	288	278	.2	8.1	453	19
2S/12W-26D10	Rio Hondo-1 #2	1/28/98	462	446	.6	7.7	716	19.8
2S/12W-26D10		5/7/98	467	431	.2	7.7	703	19.5
2S/12W-26D11	Rio Hondo-1 #3	1/29/98	468	450	.9	7.6	735	19.3
2S/12W-26D11		5/9/98	464	440	.8	7.5	722	19
2S/12W-26D12	Rio Hondo-1 #4	1/30/98	484	467	.3	7.5	764	19.4
2S/12W-26D12		5/7/98	478	451	.2	7.5	750	19

Values shown in italics denote: [1] solids (sum of constituents), estimated by regression from specific conductance; [2] specific conductance, laboratory
Analysis for each sample is shown on one line on consecutive pages. mg/L, milligrams per liter; µS/cm, microsiemens per centimeter at 25 degrees Celsius;

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed endpoint titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
52	21	2.4	30	211	200	0.1	30	0.6	31
51	15	—	58	—	130	.29	61	.3	14
5.1	4.8	17	269	635	610	.16	45	.6	39
8.2	2.9	4.7	119	291	280	.01	4	.3	30
9.1	2.9	4.5	121	303	—	<.01	3.9	.3	28
71	13	3.7	26	177	170	.08	22	.4	24
68	12	3.1	21	171	160	.06	19	.4	23
130	25	4.9	69	210	200	.23	90	.2	24
120	23	4.7	63	206	190	.24	84	.2	22
96	18	5.3	73	210	200	.22	65	.4	21
98	17	4.7	72	208	190	.2	69	.4	21
—	—	—	—	—	200	—	—	—	—
—	—	—	—	—	180	—	—	—	—
72	14	3.2	40	*[3]150*	300	.12	46	.3	24
55	18	3.4	75	*220*	220	.4	73	.4	31
46	18	3.5	106	*210*	200	.74	120	.4	33
92	24	2.5	58	*200*	200	.32	88	.3	30
54	16	1.8	51	*170*	170	.24	61	.5	30
80	14	—	57	—	—	.15	56	.3	23
84	13	3.8	58	71	170	.13	60	.3	23
62	17	—	60	—	110	.12	72	.2	17
71	21	6.3	52	—	160	.12	59	.4	17
120	23	3.7	30	—	220	.19	54	.3	22
100	20	4	34	—	180	.16	59	.4	21
82	17	4.4	79	—	160	.17	94	.5	21
72	17	4.4	73	—	150	.17	88	.3	19
72	21	7.2	73	—	140	.17	93	.5	17
40	7.9	2.9	42	150	150	.1	19	.3	26
35	7.2	3.7	47	152	—	.1	19	.3	24
95	17	3.7	28	172	170	.12	50	.2	25
90	16	3.9	26	172	—	.12	47	.3	24
80	14	4	49	159	150	.13	59	.4	22
78	14	4	45	158	—	.12	57	.4	21
75	14	4	62	154	150	.12	69	.5	22
70	13	4	60	148	—	.11	64	.5	21

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
1N/13W-28L1	LACDPW 3945C	6/4/97	23	<0.015	—	4.7	<0.010	—
1S/11W-25D1	LACDPW 3003A	8/24/95	110	—	—	—	—	—
1S/15W-24L1	Linden B-1	6/13/97	.3	2.7	—	.072	<.010	—
2S/11W-18C4	Pico Rivera-1 #1	5/9/97	5	2	2.2	<.050	<.010	2.6
2S/11W-18C4		5/6/98	3.7	<.020	2.2	<.050	<.010	1.9
2S/11W-18C5	Pico Rivera-1 #2	6/5/96	77	.25	0.3	<.050	<.010	.09
2S/11W-18C5		4/30/97	65	.18	<.20	<.050	<.010	.025
2S/11W-18C6	Pico Rivera-1 #3	6/5/96	240	.04	<.20	<.050	<.010	.01
2S/11W-18C6		4/30/97	220	<.015	<.20	<.050	<.010	<.010
2S/11W-18C7	Pico Rivera-1 #4	6/5/96	170	.09	<.20	1.6	.02	.18
2S/11W-18C7		4/30/97	170	<.015	<.20	1.7	<.010	.022
2S/12W-5J1	Calif Water-5101	9/10/96	—	—	—	—	—	—
2S/12W-7G1	Calif Water-3901	9/10/96	—	—	—	—	—	—
2S/12W-7J2	Commerce-1 #2	8/18/99	100	1.9	—	<.050	<.010	—
2S/12W-7J3	Commerce-1 #3	8/18/99	68	.71	—	<.050	<.010	—
2S/12W-7J4	Commerce-1 #4	8/19/99	49	—	—	—	—	—
2S/12W-7J5	Commerce-1 #5	8/17/99	110	<.020	—	4.7	<.010	—
2S/12W-7J6	Commerce-1 #6	8/17/99	40	<.020	—	6.1	<.010	—
2S/12W-11R4	Montebello-11a	9/6/95	130	—	—	—	—	—
2S/12W-11R4		5/15/96	130	.09	<.20	.07	<.010	<.010
2S/12W-24M8	LACDPW 1601T	9/13/95	140	—	—	—	—	—
2S/12W-25G3	Pico Rivera-2 #1	3/31/99	120	<.020	<.20	2.7	<.010	.62
2S/12W-25G4	Pico Rivera-2 #2	3/30/99	130	<.020	<.10	2.8	<.010	.053
2S/12W-25G5	Pico Rivera-2 #3	4/1/99	130	<.020	<.10	3.2	<.010	.044
2S/12W-25G6	Pico Rivera-2 #4	3/30/99	140	<.020	<.20	3.2	<.010	.082
2S/12W-25G7	Pico Rivera-2 #5	4/1/99	130	<.020	<.20	1.6	<.010	.036
2S/12W-25G8	Pico Rivera-2 #6	3/31/99	140	<.020	.18	2.8	.17	.9
2S/12W-26D9	Rio Hondo-1 #1	1/28/98	52	.16	.17	<.050	<.010	<.010
2S/12W-26D9		5/8/98	50	.15	.15	<.050	<.010	<.010
2S/12W-26D10	Rio Hondo-1 #2	1/28/98	120	.063	<.10	<.050	<.010	<.010
2S/12W-26D10		5/7/98	120	.078	.15	<.050	<.010	.01
2S/12W-26D11	Rio Hondo-1 #3	1/29/98	120	<.020	<.10	2.7	<.010	.11
2S/12W-26D11		5/9/98	110	.031	<.10	2.6	<.010	.073
2S/12W-26D12	Rio Hondo-1 #4	1/30/98	120	< .020	< .10	2.9	< .010	0.025
2S/12W-26D12		5/7/98	120	< .020	< .10	3	< .010	0.031

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (mg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
0.11	—	—	86	50	0.002	10	<4	<1	290
—	—	—	100	140	.028	50	—	30	—
.31	—	—	14	1,400	.024	80	19	9	82
2.6	—	8	15	600	.005	40	34	40	120
1.9	—	—	—	610	.007	30	—	36	—
.08	—	1	—	80	—	180	—	64	—
.047	—	1	63	70	.004	170	6	80	510
<.010	—	<1	—	230	—	630	—	44	—
<.010	—	<1	72	190	.012	530	6	28	670
.19	—	5	—	220	—	< 3	—	43	—
.039	—	2	64	220	.012	< 3	5	9	610
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
.34	3.3	3	93	130	.002	20	4	6	580
.56	1.1	1	67	210	.126	20	24	46	500
—	—	2	200	250	.174	40	25	85	440
.64	—	1	85	140	.013	<10	6	13	810
.71	—	2	49	140	.017	<10	4	26	380
—	—	—	100	180	.016	240	—	31	—
<.010	—	—	—	200	—	240	—	32	—
—	—	—	100	180	.013	20	—	<1	—
.53	—	—	—	160	.007	<10	—	190	—
.041	—	—	—	100	.001	<10	—	<3	—
.04	—	—	—	120	.002	<10	—	4	—
.07	—	—	—	280	.017	<10	—	37	—
.047	—	—	—	230	.022	<10	—	18	—
.8	—	—	—	260	.018	<10	—	1,200	—
<.010	—	<1	17	60	.029	<10	19	28	290
.012	—	—	—	70	.029	10	—	58	—
<.010	—	1	56	50	.005	50	8	72	660
.017	—	—	—	50	.004	60	—	140	—
.13	—	3	120	150	.005	<10	<4	22	570
.077	—	—	—	150	.004	<10	—	15	—
.028	—	2	64	200	.02	<10	< 4	17	480
.02	—	—	—	200	.018	<10	—	10	—

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Solids, residue on evaporation at 180°C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (µS/cm)	Water temperature (°C)
2S/12W-26D13	Rio Hondo-1 #5	1/30/98	365	355	0.3	7.4	586	19.6
2S/12W-26D13		5/8/98	366	351	.1	7.4	586	19.5
2S/12W-26D14	Rio Hondo-1 #6	1/29/98	352	341	.3	7.2	577	19.5
2S/12W-26D14		5/8/98	348	333	.1	7.2	566	19
2S/12W-28J6	Downey-7	9/28/95	—	*380*	.8	7.5	655	19.2
2S/12W-31H2	LACDPW 1524E	8/22/95	—	*307*	—	7.7	534	20.3
2S/12W-31H2		8/6/99	343	351	<.1	7.7	589	19.7
2S/12W-35D4	Downey-5	9/28/95	—	*428*	4.2	7.4	734	19.1
2S/13W-11R4	Vernon-12	9/10/96	—	*358*	—	7.9	618	22.4
2S/13W-22C1	Huntington Park-1 #1	5/29/96	359	351	.4	7.7	580	20.1
2S/13W-22C1		4/9/97	—	341	.2	7.6	568	19.7
2S/13W-22C2	Huntington Park-1 #2	5/30/96	363	354	.5	7.8	584	19.8
2S/13W-22C2		4/10/97	—	353	.5	7.8	581	19.5
2S/13W-22C3	Huntington Park-1 #3	5/29/96	463	483	5.1	7.7	786	19.7
2S/13W-22C3		4/10/97	—	466	1.7	7.8	757	19.6
2S/13W-22C4	Huntington Park-1 #4	5/30/96	706	680	4.7	7.4	1,070	19.8
2S/13W-22C4		4/9/97	—	658	1.3	7.4	1,050	19.6
2S/13W-31C3	LACDPW 1414C	5/31/96	344	336	.4	7.7	557	21.3
2S/13W-31C3		6/6/97	—	345	<.1	7.7	559	21.7
2S/13W-32R13	99th Street-11	9/12/95	—	*353*	.8	8	610	22
2S/14W-10Q2	Crenshaw	9/10/96	—	*416*	—	7.8	714	20.9
2S/14W-23H3	Manhatten-1a	9/12/95	—	*419*	3.4	7.5	720	18.2
2S/14W-23H17	Manhatten-6	9/12/95	—	*359*	1.6	7.6	620	18.5
2S/14W-26N3	Inglewood-2 #1	4/28/99	1,680	1,640	<.1	7.8	2,550	24.5
2S/14W-26N4	Inglewood-2 #2	4/28/99	1,550	1,480	<.1	7.9	2,380	22
2S/14W-26N5	Inglewood-2 #3	4/26/99	295	293	<.1	8	483	24.8
2S/14W-28M3	Inglewood-1 #1	4/27/99	4,490	4,340	<.1	7.8	7,480	25.5
2S/14W-28M5	Inglewood-1 #3	4/26/99	886	861	.1	7.4	1,510	25.1
2S/14W-28M6	Inglewood-1 #4	4/27/99	656	624	.2	7.6	1,120	23.2
2S/14W-28M7	Inglewood-1 #5	4/26/99	1,040	921	3.4	7.1	1,660	21.3
2S/14W-31H1	LACDPW 1314	6/12/97	—	544	<.1	7.9	949	24
3S/11W-2K4	Whittier-1 #1	3/17/00	2,730	2,540	.5	7.3	3,460	29
3S/11W-2K5	Whittier-1 #2	3/16/00	2,590	2,390	.6	7.2	3,300	28
3S/11W-2K6	Whittier-1 #4	3/16/00	674	678	.9	7.3	1,080	24.5
3S/11W-2K7	Whittier-1 #5	3/15/00	662	669	1.2	7.4	1,050	22.5
3S/11W-2K8	Whittier-1 #3	3/16/00	1,580	1,490	.6	7.4	2,200	25

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed end-point titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
51	10	3.7	53	129	130	0.09	48	0.4	19
50	10	3.6	51	132	—	.08	45	.4	19
46	12	4.2	50	105	100	.13	58	.3	16
46	13	4.1	47	125	—	.1	47	.3	15
62	12	—	47	—	130	.11	53	.3	20
52	14	—	37	—	160	.15	28	.5	24
62	16	2.1	39	*210*	200	.19	40	.5	25
78	15	—	47	—	230	.13	58	.3	22
—	—	—	—	—	190	—	—	—	—
58	13	3.8	39	186	180	—	22	.6	24
59	14	3.4	39	185	170	.1	21	.5	23
59	13	3.7	40	187	180	—	22	.5	23
59	14	3.4	40	189	180	.11	22	.5	22
81	18	3.8	50	204	200	—	43	.5	25
79	19	3.9	49	202	180	.19	43	.4	24
120	28	5.1	62	265	250	—	60	.4	27
120	29	4.6	56	262	230	.28	60	.4	25
54	11	3.7	40	181	180	—	20	.4	23
54	11	3.8	42	182	170	.1	20	.4	22
51	9.7	—	43	—	170	.09	21	.3	23
—	—	—	—	—	200	—	—	—	—
73	18	—	45	—	150	.17	49	.3	23
62	14	—	40	—	180	.14	31	.4	22
19	17	0.7	605	*1,400*	1,400	.5	74	.7	33
12	9	19	566	*1,300*	1,300	.25	22	.4	35
27	9.5	6.4	56	*220*	210	.08	21	.3	36
38	30	36	1,600	*1,600*	1,500	12.5	1,600	.4	35
86	36	6.7	156	*320*	310	2.06	230	.6	43
78	34	8.4	83	*230*	220	.9	170	.4	34
150	46	6.1	104	*250*	240	1.42	300	.3	34
47	25	9.9	103	303	300	.31	76	.3	39
200	130	10	421	*280*	[4]*272*	1.34	280	.3	33
200	120	10	396	*300*	*349*	1.23	240	.3	33
81	33	3.8	98	*260*	*256*	.33	80	.2	39
83	38	3.3	86	*250*	*237*	.32	80	.3	43
140	77	7.5	236	*310*	*292*	.95	170	.6	33

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
2S/12W-26D13	Rio Hondo-1 #5	1/30/98	87	<0.020	< 0.10	1.3	<0.010	0.058
2S/12W-26D13		5/8/98	87	.037	<.10	1.2	<.010	<.010
2S/12W-26D14	Rio Hondo-1 #6	1/29/98	86	<.020	<.10	1.3	<.010	.049
2S/12W-26D14		5/8/98	77	.037	<.10	1.8	<.010	.016
2S/12W-28J6	Downey-7	9/28/95	100	—	—	—	—	—
2S/12W-31H2	LACDPW 1524E	8/22/95	33	—	—	—	—	—
2S/12W-31H2		8/6/99	41	.035	—	<.050	<.010	—
2S/12W-35D4	Downey-5	9/28/95	120	—	—	—	—	—
2S/13W-11R4	Vernon-12	9/10/96	—	—	—	—	—	—
2S/13W-22C1	Huntington Park-1 #1	5/29/96	80	.04	—	.14	<.010	—
2S/13W-22C1		4/9/97	80	.015	—	<.050	<.010	—
2S/13W-22C2	Huntington Park-1 #2	5/30/96	83	.04	—	.11	<.010	—
2S/13W-22C2		4/10/97	82	<.015	—	.11	<.010	—
2S/13W-22C3	Huntington Park-1 #3	5/29/96	120	.05	—	4.8	<.010	—
2S/13W-22C3		4/10/97	120	<.015	—	3.4	<.010	—
2S/13W-22C4	Huntington Park-1 #4	5/30/96	200	.03	—	4.9	<.010	—
2S/13W-22C4		4/9/97	200	<.015	—	5	<.010	—
2S/13W-31C3	LACDPW 1414C	5/31/96	73	.06	—	.08	<.010	—
2S/13W-31C3		6/6/97	73	.06	—	3.5	.031	—
2S/13W-32R13	99th Street-11	9/12/95	68	—	—	—	—	—
2S/14W-10Q2	Crenshaw	9/10/96	—	—	—	—	—	—
2S/14W-23H3	Manhatten-1a	9/12/95	92	—	—	—	—	—
2S/14W-23H17	Manhatten-6	9/12/95	80	—	—	—	—	—
2S/14W-26N3	Inglewood-2 #1	4/28/99	11	12	—	<.050	.01	—
2S/14W-26N4	Inglewood-2 #2	4/28/99	3	12	—	<.050	<.010	—
2S/14W-26N5	Inglewood-2 #3	4/26/99	7.7	1.6	—	<.050	<.010	—
2S/14W-28M3	Inglewood-1 #1	4/27/99	3.6	26	—	<.050	.015	—
2S/14W-28M5	Inglewood-1 #3	4/26/99	120	.69	—	<.050	<.010	—
2S/14W-28M6	Inglewood-1 #4	4/27/99	79	1.3	—	<.050	<.010	—
2S/14W-28M7	Inglewood-1 #5	4/26/99	100	.048	—	8.1	<.010	—
2S/14W-31H1	LACDPW 1314	6/12/97	63	.026	—	.13	<.010	—
3S/11W-2K4	Whittier-1 #1	3/17/00	1,300	2.8	—	<.050	<.010	—
3S/11W-2K5	Whittier-1 #2	3/16/00	1,200	2.2	—	<.050	<.010	—
3S/11W-2K6	Whittier-1 #4	3/16/00	170	<.020	—	4.5	<.010	—
3S/11W-2K7	Whittier-1 #5	3/15/00	170	<.020	—	5.2	<.010	—
3S/11W-2K8	Whittier-1 #3	3/16/00	650	.63	—	<.050	<.010	—

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (mg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
0.075	—	3	44	150	0.014	<10	<4	18	330
.017	—	—	—	150	.015	<10	—	8	—
.055	—	2	50	130	.012	<10	<4	32	460
.022	—	—	—	150	.014	<10	—	32	—
—	—	—	51	170	.009	<3	<4	<1	390
—	—	—	100	100	.028	490	—	50	—
.077	—	1	85	120	.021	690	4	61	490
—	—	—	100	170	.004	<3	—	<1	—
—	—	—	—	—	—	—	—	—	—
.23	—	—	—	140	.023	210	<4	42	420
.095	—	1	58	130	.025	210	<4	49	450
.2	—	—	—	140	.003	<10	<4	12	430
.28	—	1	70	130	.004	<3	<4	9	470
.35	—	—	—	160	.007	<10	<4	9	600
.41	—	2	98	150	.008	<3	<4	2	630
.96	—	—	—	170	.005	10	<4	20	880
.63	—	1	130	170	.006	<3	4	3	920
.92	—	—	—	130	.036	50	<4	58	420
.094	—	—	60	110	.036	50	5	50	450
—	—	—	100	120	.025	30	—	49	—
—	—	—	—	—	—	—	—	—	—
—	—	—	100	160	.003	<3	6	<1	530
—	—	—	100	140	.011	<10	—	8	—
.37	—	2	42	3,800	.04	390	120	37	280
2.6	—	<1	24	3,400	.025	290	29	31	210
.26	—	1	17	210	.027	10	<10	22	310
.55	—	6	110	11,000	13	550	200	51	650
.17	—	<1	30	390	.471	230	22	240	650
.067	—	<1	78	190	.091	270	25	170	520
.13	—	<1	160	220	.033	<10	16	6	1,100
.01	—	—	63	290	.086	20	17	79	400
.027	2	<2	21	850	.254	500	120	74	2,300
.041	2.6	<2	20	920	.229	320	120	88	2,100
.058	—	<2	32	180	.091	<10	40	16	740
.049	—	<2	28	150	.022	<10	35	16	740
.019	1.5	<2	25	570	.148	250	83	98	1,300

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Solids, residue on evaporation at 180 °C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (µS/cm)	Water temperature (°C)
3S/11W-9D2	Santa Fe Springs-1 #2	4/23/99	—	781	—	8.5	1,360	25.7
3S/11W-9D3	Santa Fe Springs-1 #3	4/23/99	—	826	<0.1	7.5	1,420	25.1
3S/11W-9D4	Santa Fe Springs-1 #4	4/23/99	—	771	<.1	7.9	1,320	23.8
3S/11W-19E2	Park-29K	9/15/95	—	*457*	4.2	7.6	782	20.1
3S/11W-26E2	La Mirada-1 #1	8/4/99	367	359	.1	8.3	599	26.2
3S/11W-26E3	La Mirada-1 #2	8/4/99	269	264	<.1	8.4	440	23.5
3S/11W-26E4	La Mirada-1 #3	8/5/99	327	326	.1	8	533	25.4
3S/11W-26E5	La Mirada-1 #4	8/5/99	417	429	.2	7.6	668	25.2
3S/11W-26E6	La Mirada-1 #5	8/5/99	489	492	.3	7.6	797	21.8
3S/12W-1D2	LACDPW 1605M	8/22/95	—	*427*	—	7.3	733	20.5
3S/12W-2H4	Downey-12	9/28/95	—	*504*	1.4	7.5	860	19.8
3S/12W-3J1	Downey-16	9/28/95	—	*486*	2.4	7.6	830	20.2
3S/12W-6B4	South Gate-1 #1	8/6/99	312	308	.2	8.1	510	21.6
3S/12W-6B5	South Gate-1 #2	8/16/99	625	556	2.5	7.7	653	20.7
3S/12W-6B6	South Gate-1 #3	8/16/99	450	447	4.1	7.7	713	20.1
3S/12W-6B7	South Gate-1 #4	8/6/99	488	477	.3	7.5	775	19.4
3S/12W-6B8	South Gate-1 #5	8/6/99	441	413	.2	7.5	726	20
3S/12W-6D2	South Gate-14	9/9/96	—	*441*	—	7.6	756	19.2
3S/12W-9J1	Downey-1 #1	12/30/97	207	208	.2	7.9	351	21.4
3S/12W-9J1		5/4/98	217	211	.2	8	347	20
3S/12W-9J2	Downey-1 #2	12/29/97	355	348	3.3	7.9	583	20.2
3S/12W-9J2		5/2/98	361	344	3.3	7.8	570	19.5
3S/12W-9J3	Downey-1 #3	12/31/97	503	488	3.2	7.7	802	20.4
3S/12W-9J3		5/2/98	517	482	3.2	7.6	793	19
3S/12W-9J4	Downey-1 #4	12/29/97	548	529	.5	7.6	882	19.1
3S/12W-9J4		5/3/98	553	529	.2	7.5	871	19
3S/12W-9J5	Downey-1 #5	12/30/97	558	531	.2	7.6	890	19.6
3S/12W-9J5		5/4/98	557	519	.2	7.5	857	19
3S/12W-9J6	Downey-1 #6	12/31/97	840	812	.2	7.2	1,280	20.1
3S/12W-9J6		5/2/98	861	811	.2	7.2	1,270	20
3S/12W-11E1	Downey-24	9/28/95	—	*500*	.8	7.6	853	20
3S/12W-14F1	Park-28B	9/14/95	—	*479*	1.8	7.6	818	19
3S/12W-16H1	Park-40D	9/14/95	—	*484*	1.2	7.5	826	18.9
3S/12W-25C1	Cerritos JC-2	8/30/95	—	*418*	—	7.6	717	19
3S/12W-30K2	Edison-922E	6/27/97	—	297	<.1	7.9	507	21.4
3S/12W-33A7	Lakewood-2a	9/27/95	—	*358*	—	7.6	619	19.3
3S/12W-34F1	Lakewood-18	9/27/95	—	*312*	—	7.9	543	20.2

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed endpoint titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
5.5	2.2	2.6	280	*330*	340	0.81	170	0.7	18
36	28	5.2	220	*490*	500	.58	120	.4	37
19	9.6	3.4	243	*330*	340	.73	160	.6	27
93	18	—	36	—	220	.19	52	.3	22
16	3.5	2.1	108	*160*	160	.09	26	.8	16
37	5.9	2.2	47	*140*	140	.05	16	.6	16
22	7	2.6	84	*230*	190	.05	16	.7	21
43	14	3.2	83	*200*	200	.1	27	.6	26
61	18	3	83	*200*	200	.19	62	.5	26
59	14	—	68	—	120	.13	70	.3	18
78	16	—	71	—	170	.16	85	.3	22
86	17	—	61	—	180	.17	79	.3	22
49	7.9	2.4	47	*170*	170	.1	21	.3	23
54	23	6	143	*300*	160	1.15	180	.4	42
83	16	3	42	*170*	170	.13	50	.4	26
86	16	3	49	*180*	180	.15	56	.4	23
65	17	2.8	60	*200*	200	.26	34	.5	28
—	—	—	—	—	160	—	—	—	—
39	5.6	3	26	160	150	.02	5.8	.4	20
39	5.3	3	25	160	—	.03	5.6	.4	20
72	12	3.7	26	179	170	.06	26	.4	20
71	11	3.6	26	178	—	.07	25	.3	20
100	19	3.5	29	172	160	.13	66	.4	22
100	19	3.3	27	172	—	.14	63	.4	21
93	19	4.6	54	202	200	.17	74	.5	21
92	19	4.4	56	201	—	.17	73	.5	21
120	22	4.4	29	260	240	.21	63	.4	22
110	22	4.4	30	255	—	.21	59	.4	22
150	31	5.9	73	302	290	.3	94	.4	25
150	31	5.7	75	302	—	.3	93	.3	24
84	17	—	60	—	170	.17	75	.3	21
84	17	—	51	—	160	.16	69	.3	21
95	19	—	41	—	180	.16	60	.3	21
89	17	—	29	—	160	.12	52	.4	21
47	7.3	2.4	47	184	180	.11	22	.5	22
77	14	—	26	—	200	.08	32	.4	22
61	11	—	34	—	170	.07	23	.3	22

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
3S/11W-9D2	Santa Fe Springs-1 #2	4/23/99	93	2.2	—	<0.050	<0.010	—
3S/11W-9D3	Santa Fe Springs-1 #3	4/23/99	41	1.6	—	<.050	<.010	—
3S/11W-9D4	Santa Fe Springs-1 #4	4/23/99	90	1.3	—	<.050	<.010	—
3S/11W-19E2	Park-29K	9/15/95	110	—	—	—	—	—
3S/11W-26E2	La Mirada-1 #1	8/4/99	93	.083	—	<.050	<.010	—
3S/11W-26E3	La Mirada-1 #2	8/4/99	53	.07	—	<.050	<.010	—
3S/11W-26E4	La Mirada-1 #3	8/5/99	58	.13	—	<.050	<.010	—
3S/11W-26E5	La Mirada-1 #4	8/5/99	94	.15	—	<.050	<.010	—
3S/11W-26E6	La Mirada-1 #5	8/5/99	100	<.020	—	1.9	<.010	—
3S/12W-1D2	LACDPW 1605M	8/22/95	110	—	—	—	—	—
3S/12W-2H4	Downey-12	9/28/95	120	—	—	—	—	—
3S/12W-3J1	Downey-16	9/28/95	120	—	—	—	—	—
3S/12W-6B4	South Gate-1 #1	8/6/99	59	.091	—	<.050	<.010	—
3S/12W-6B5	South Gate-1 #2	8/16/99	3.8	<.020	—	2.4	<.010	—
3S/12W-6B6	South Gate-1 #3	8/16/99	110	<.020	—	2.6	<.010	—
3S/12W-6B7	South Gate-1 #4	8/6/99	120	<.020	—	1.7	<.010	—
3S/12W-6B8	South Gate-1 #5	8/6/99	79	.031	—	<.050	<.010	—
3S/12W-6D2	South Gate-14	9/9/96	—	—	—	—	—	—
3S/12W-9J1	Downey-1 #1	12/30/97	16	<.020	<.10	.067	<.010	.025
3S/12W-9J1		5/4/98	16	.031	<.10	.054	<.010	.048
3S/12W-9J2	Downey-1 #2	12/29/97	74	<.020	<.10	2	<.010	.17
3S/12W-9J2		5/2/98	72	.027	<.10	1.8	<.010	.11
3S/12W-9J3	Downey-1 #3	12/31/97	130	<.020	<.10	2.9	<.010	.21
3S/12W-9J3		5/2/98	130	<.020	<.10	2.8	<.010	.091
3S/12W-9J4	Downey-1 #4	12/29/97	130	<.020	<.10	2.7	<.010	.081
3S/12W-9J4		5/3/98	130	.038	<.10	2.6	<.010	.057
3S/12W-9J5	Downey-1 #5	12/30/97	120	<.020	.12	<.050	<.010	.042
3S/12W-9J5		5/4/98	120	.027	<.10	<.050	.069	.026
3S/12W-9J6	Downey-1 #6	12/31/97	260	<.020	<.10	<.050	<.010	.22
3S/12W-9J6		5/2/98	250	.049	<.10	<.050	<.010	.35
3S/12W-11E1	Downey-24	9/28/95	130	—	—	—	—	—
3S/12W-14F1	Park-28B	9/14/95	120	—	—	—	—	—
3S/12W-16H1	Park-40D	9/14/95	130	—	—	—	—	—
3S/12W-25C1	Cerritos JC-2	8/30/95	110	—	—	—	—	—
3S/12W-30K2	Edison-922E	6/27/97	42	<.015	—	.09	<.010	—
3S/12W-33A7	Lakewood-2a	9/27/95	74	—	—	—	—	—
3S/12W-34F1	Lakewood-18	9/27/95	63	—	—	—	—	—

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (µg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
0.19	—	<1	6.4	1,100	0.182	<10	12	3	98
12	—	1	38	490	.145	10	50	94	680
4.1	—	<1	71	900	.191	20	26	68	330
—	—	—	200	90	.002	<10	<4	<1	700
.18	0.8	6	52	160	.039	<10	8	13	280
.29	.3	11	99	70	.013	<10	4	37	470
.35	—	8	32	160	.027	<10	13	22	270
4.9	—	12	25	140	.044	<10	17	79	530
.85	—	3	41	160	.013	<10	16	84	660
—	—	—	100	220	.017	30	—	29	—
—	—	—	59	260	.015	<10	6	1	470
—	—	—	100	220	.007	<10	—	<1	—
.035	.5	1	140	110	.031	30	4	54	430
.06	.5	<1	71	480	.36	20	36	27	560
.24	—	5	150	120	.003	<10	6	7	680
.16	—	2	78	160	.003	<10	4	10	640
2.6	—	9	99	130	.082	30	5	110	560
—	—	—	—	—	—	—	—	—	—
.034	—	3	94	50	<.001	<10	<4	<4	360
.03	—	—	—	60	<.001	<10	—	<4	—
.17	—	3	140	60	<.001	<10	<4	<4	620
.11	—	—	—	70	<.001	<10	—	<4	—
.15	—	4	150	80	.001	<10	5	<4	810
.091	—	—	—	80	.001	<10	—	<4	—
.1	—	2	95	180	.014	<10	<4	11	600
.057	—	—	—	200	.013	<10	—	6	—
.06	—	4	350	100	.011	<10	<4	210	840
.029	—	—	—	100	.01	<10	—	190	—
.21	—	2	58	200	.005	50	4	74	790
.35	—	—	—	220	.005	10	—	88	—
—	—	—	72	210	.005	<3	<4	<1	540
—	—	—	100	170	.003	<10	—	<1	—
—	—	—	160	150	.003	10	7	1	710
—	—	—	—	—	—	<3	—	<1	—
.031	—	—	94	130	.045	10	<4	27	420
—	—	—	140	90	.001	<3	8	<1	550
—	—	—	130	90	.001	<3	4	<1	480

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Solids, residue on evaporation at 180°C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (μS/cm)	Water temperature (°C)
3S/13W-8J1	Willowbrook-1 #1	1/7/98	313	311	0.1	8	521	25.5
3S/13W-8J2	Willowbrook-1 #2	1/7/98	328	319	.2	8	528	22.8
3S/13W-8J3	Willowbrook-1 #3	1/8/98	336	332	.4	7.8	546	21.9
3S/13W-8J4	Willowbrook-1 #4	1/8/98	355	347	.2	7.9	577	22.3
3S/13W-10L3	Willowbrook-3	6/11/97	—	377	.7	7.6	628	18.5
3S/13W-12J1	Lynwood-5	11/30/95	—	*411*	—	7.6	706	18.9
3S/13W-13F4	Park-4B	9/14/95	—	*399*	1.4	7.7	687	19.4
3S/13W-21R3	Park-31A	9/14/95	—	*285*	1	8	499	22
3S/13W-21R3		5/1/97	303	304	<.1	8	505	21.8
3S/13W-26C1	Compton-13	9/9/96	—	*259*	—	8.1	456	25.6
3S/13W-35Q5	Dominguez-23b	9/10/96	—	*258*	—	8.3	453	25.9
3S/14W-3K2	Yukon-2	6/12/97	—	478	<.1	7.8	885	23.2
3S/14W-13J5	Gardena-1 #1	6/6/96	356	369	<.1	8.1	602	25.6
3S/14W-13J5		5/2/97	—	369	.5	8.1	607	26.1
3S/14W-13J6	Gardena-1 #2	11/29/95	—	—	.5	7.8	564	21.3
3S/14W-13J6		6/7/96	331	324	—	7.8	537	24.1
3S/14W-13J6		4/11/97	—	305	1.3	7.9	503	24.1
3S/14W-13J7	Gardena-1 #3	11/29/95	—	*313*	.8	8	545	23.4
3S/14W-13J7		6/7/96	330	325	.3	8.1	536	23.3
3S/14W-13J8	Gardena-1 #4	11/30/95	—	*977*	6	7.4	1,640	22.1
3S/14W-13J8		6/6/96	1,160	842	5	7.3	1,660	21.4
3S/14W-17G3	Hawthorne-1 #1	8/17/99	890	879	<.1	7.7	1,440	25.1
3S/14W-17G4	Hawthorne-1 #2	8/7/99	774	765	<.1	8	1,250	26.3
3S/14W-17G5	Hawthorne-1 #3	8/7/99	549	564	.2	7.8	939	25
3S/14W-17G6	Hawthorne-1 #4	8/7/99	469	484	.2	7.7	800	23.2
3S/14W-17G7	Hawthorne-1 #5	8/7/99	580	558	<.1	7.7	1,030	21.9
3S/14W-17G8	Hawthorne-1 #6	8/17/99	2,090	2,060	.2	7.2	3,200	21.1
3S/14W-21M1	Chicago-1	11/28/95	—	*373*	.8	7.8	644	23.6
3S/14W-22L1	Compton+Doty	6/5/97	—	325	.1	7.9	567	23.6
4S/11W-5P9	Cerritos-1 #1	8/3/99	280	282	.2	8.2	464	22
4S/11W-5P10	Cerritos-1 #2	8/3/99	260	263	.2	8.2	426	22.8
4S/11W-5P11	Cerritos-1 #3	8/3/99	314	308	.6	8	506	20.8
4S/11W-5P12	Cerritos-1 #4	8/2/99	281	278	.3	7.9	458	20.3
4S/11W-5P13	Cerritos-1 #5	8/3/99	269	274	.2	7.8	439	19.9
4S/11W-5P14	Cerritos-1 #6	8/4/99	269	278	.2	7.8	440	20
4S/11W-18J5	LACDPW 1037G	8/30/95	—	*235*	—	8.4	416	20.5
4S/12W-1N3	LACDPW 1005E	8/23/95	—	*219*	—	7.9	390	19.8

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed endpoint titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
27	5.4	5.7	79	255	240	0.05	18	0.3	26
52	9.3	3	44	168	160	.1	21	.4	22
56	12	3.3	41	183	180	.1	20	.5	22
53	9.6	3.4	53	185	180	.11	25	.5	20
65	14	3.5	41	187	180	.11	31	.4	25
81	17	—	39	—	180	.14	41	.4	23
80	16	—	33	—	160	.11	42	.3	23
45	10	—	43	—	160	.09	20	.2	23
49	10	2.8	43	176	160	.1	21	.3	24
—	—	—	—	—	140	—	—	—	—
—	—	—	—	—	160	—	—	—	—
75	22	6	55	197	200	.45	130	.3	35
14	7.2	12	96	295	290	—	17	.3	40
14	7.7	11	104	295	270	.08	18	.2	40
50	12	—	50	—	170	.11	24	.4	29
53	11	3.5	38	188	180	—	21	.5	30
49	11	3.5	40	201	200	.1	21	.5	29
53	10	—	47	—	170	.11	23	.4	25
53	10	3.3	39	175	170	—	22	.4	26
130	35	—	130	—	150	1.01	350	.3	27
150	37	5.4	87	163	160	—	370	.3	29
15	12	21	292	*730*	730	.18	48	.2	46
11	7.9	15	277	*630*	620	.17	43	.3	29
34	21	14	143	*440*	440	.15	50	.2	34
37	18	10	112	*360*	350	.17	52	.4	37
79	27	5.9	79	*210*	210	.55	190	.3	33
300	89	8.4	273	*280*	290	1.32	580	.2	20
43	15	—	67	—	250	.16	50	.3	31
44	15	4.9	47	211	200	.14	36	.4	31
35	5	2.5	60	*170*	170	.05	15	.3	17
9.6	1.7	1.9	83	*160*	150	.04	14	.3	21
43	5.5	2	59	*170*	170	.06	20	.4	23
46	11	1.9	37	*180*	170	.04	12	.5	23
39	9.5	2.1	44	*180*	180	.04	11	.5	26
48	9.7	2.1	34	*190*	190	.08	11	.3	29
31	2.4	—	54	—	140	.06	13	.4	15
53	5.3	—	22	—	180	.04	6.2	.3	25

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
3S/13W-8J1	Willowbrook-1 #1	1/7/98	0.7	2	—	<0.050	0.018	—
3S/13W-8J2	Willowbrook-1 #2	1/7/98	71	.29	—	<.050	.015	—
3S/13W-8J3	Willowbrook-1 #3	1/8/98	71	.077	—	<.050	.014	—
3S/13W-8J4	Willowbrook-1 #4	1/8/98	76	.099	—	<.050	.019	—
3S/13W-10L3	Willowbrook-3	6/11/97	88	.025	—	.59	<.010	—
3S/13W-12J1	Lynwood-5	11/30/95	100	—	—	—	—	—
3S/13W-13F4	Park-4B	9/14/95	110	—	—	—	—	—
3S/13W-21R3	Park-31A	9/14/95	56	—	—	—	—	—
3S/13W-21R3		5/1/97	55	.32	<0.20	<.050	<.010	<0.010
3S/13W-26C1	Compton-13	9/9/96	—	—	—	—	—	—
3S/13W-35Q5	Dominguez-23b	9/10/96	—	—	—	—	—	—
3S/14W-3K2	Yukon-2	6/12/97	33	.74	—	.071	<.010	—
3S/14W-13J5	Gardena-1 #1	6/6/96	1.3	5.6	—	.08	<.010	—
3S/14W-13J5		5/2/97	1.3	6	—	<.050	<.010	—
3S/14W-13J6	Gardena-1 #2	11/29/95	68	—	—	—	—	—
3S/14W-13J6		6/7/96	56	.14	—	.07	<.010	—
3S/14W-13J6		4/11/97	30	.11	—	<.050	<.010	—
3S/14W-13J7	Gardena-1 #3	11/29/95	67	—	—	—	—	—
3S/14W-13J7		6/7/96	66	.3	—	.1	<.010	—
3S/14W-13J8	Gardena-1 #4	11/30/95	83	—	—	—	—	—
3S/14W-13J8		6/6/96	53	.09	—	2	<.010	—
3S/14W-17G3	Hawthorne-1 #1	8/17/99	<.1	5.6	—	<.050	<.010	—
3S/14W-17G4	Hawthorne-1 #2	8/7/99	.7	2.5	—	<.050	<.010	—
3S/14W-17G5	Hawthorne-1 #3	8/7/99	1.1	2.4	—	<.050	<.010	—
3S/14W-17G6	Hawthorne-1 #4	8/7/99	.7	2	—	<.050	<.010	—
3S/14W-17G7	Hawthorne-1 #5	8/7/99	19	.74	—	<.050	<.010	—
3S/14W-17G8	Hawthorne-1 #6	8/17/99	600	.13	—	.68	.042	—
3S/14W-21M1	Chicago-1	11/28/95	5	—	—	—	—	—
3S/14W-22L1	Compton+Doty	6/5/97	25	.094	—	.21	.013	—
4S/11W-5P9	Cerritos-1 #1	8/3/99	49	.32	—	<.050	<.010	—
4S/11W-5P10	Cerritos-1 #2	8/3/99	40	.11	—	<.050	<.010	—
4S/11W-5P11	Cerritos-1 #3	8/3/99	58	.25	—	<.050	<.010	—
4S/11W-5P12	Cerritos-1 #4	8/2/99	37	.11	—	<.050	<.010	—
4S/11W-5P13	Cerritos-1 #5	8/3/99	29	.18	—	<.050	<.010	—
4S/11W-5P14	Cerritos-1 #6	8/4/99	24	.29	—	<.050	<.010	—
4S/11W-18J5	LACDPW 1037G	8/30/95	43	—	—	—	—	—
4S/12W-1N3	LACDPW 1005E	8/23/95	15	—	—	—	—	—

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (mg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
0.086	—	<1	21	170	0.025	50	8	35	280
.069	—	<1	50	110	.028	<10	8	51	450
.032	—	3	74	120	.028	60	6	27	440
.26	—	6	120	130	.034	10	5	87	460
.038	—	—	96	120	.002	<3	4	2	510
—	—	—	100	100	.005	<10	—	8	—
—	—	—	140	100	.003	20	5	<1	670
—	—	—	79	130	.025	140	7	22	440
.011	—	<1	79	120	.029	110	7	21	460
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
.045	—	—	62	110	.03	100	9	23	680
.19	—	—	—	360	.029	70	12	39	160
.13	—	9	16	370	.033	60	11	42	180
—	—	—	100	130	.026	100	—	87	—
.16	—	—	—	130	.026	30	8	72	440
.12	—	<1	47	130	.029	20	6	71	450
—	—	—	100	100	.029	20	—	45	—
.13	—	—	—	120	.028	20	11	32	470
—	—	—	100	130	.012	<10	—	76	—
1.2	—	—	—	120	.009	<10	14	54	1,200
.42	15	<1	30	1,400	.026	130	19	20	250
.78	13	1	24	1,000	.04	50	7	51	150
.22	—	<1	34	490	.077	40	12	72	420
.5	—	<1	28	400	.063	20	14	60	420
.14	—	<1	84	140	.046	20	9	120	810
.8	—	5	74	260	.206	250	<20	800	2,800
—	—	—	100	180	.033	60	—	34	—
<.010	—	—	51	110	.029	40	6	24	470
.053	.5	15	51	100	.013	<10	5	29	400
.078	.4	9	20	110	.02	<10	7	9	150
.33	.4	21	110	90	.034	10	5	48	540
.14	—	5	59	90	.019	80	6	82	410
1.2	—	13	66	100	.023	40	4	120	390
.31	—	36	90	90	.067	50	4	150	470
—	—	—	100	50	.018	30	—	26	—
—	—	—	200	80	.009	10	—	100	—

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Solids, residue on evaporation at 180°C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (μS/cm)	Water temperature (°C)
4S/12W-5H5	Lakewood-1 #1	4/25/97	179	181	<0.1	8.9	289	23.5
4S/12W-5H5		5/1/98	171	172	.5	8.8	271	23
4S/12W-5H6	Lakewood-1 #2	4/23/97	185	206	<.1	8.2	290	23.6
4S/12W-5H6		4/29/98	207	202	.3	7.9	322	21
4S/12W-5H7	Lakewood-1 #3	4/23/97	224	247	.2	8.1	358	22.9
4S/12W-5H7		4/29/98	224	220	.5	7.9	349	20.5
4S/12W-5H8	Lakewood-1 #4	4/24/97	280	278	.2	8	465	21.2
4S/12W-5H8		4/30/98	235	262	.9	7.9	435	20
4S/12W-5H9	Lakewood-1 #5	4/24/97	248	256	.3	7.9	406	21.1
4S/12W-5H9		4/30/98	248	242	.3	7.9	398	20
4S/12W-5H10	Lakewood-1 #6	4/24/97	708	610	.2	7.5	1,110	20.9
4S/12W-5H10		4/30/98	739	624	.4	7.4	1,130	21
4S/12W-6K1	North Long Beach-4	9/11/96	—	*240*	—	8.3	424	32
4S/12W-6K4	North Long Beach-5	9/11/96	—	*210*	—	8.4	375	28.6
4S/12W-10H1	Lakewood-10	9/27/95	—	*236*	—	7.9	418	20.4
4S/12W-11B3	Lakewood-16	9/27/95	—	*208*	—	8.1	372	20.3
4S/12W-25E1	Annex-204	6/11/97	—	204	<.1	9	349	32.3
4S/12W-25G1	Long Beach-1 #1	3/14/00	222	202	<.1	9	363	28
4S/12W-25G2	Long Beach-1 #2	3/15/00	220	208	.1	9	352	27
4S/12W-25G3	Long Beach-1 #3	3/10/00	209	196	<.1	8.8	317	22
4S/12W-25G4	Long Beach-1 #4	3/15/00	229	232	.5	8.1	380	23
4S/12W-25G5	Long Beach-1 #5	3/14/00	1,900	1,630	.5	7.5	2,850	22
4S/12W-25G6	Long Beach-1 #6	3/14/00	752	742	.1	7.7	1,180	21
4S/12W-28H1	Alamitos-9	9/11/96	—	*212*	—	8.7	378	32.2
4S/13W-1N3	Long Beach-2 #1	3/9/00	417	200	<.1	8.4	659	27.5
4S/13W-1N5	Long Beach-2 #3	3/9/00	246	248	<.1	8.4	402	24
4S/13W-1N6	Long Beach-2 #4	3/8/00	290	293	.8	8.1	480	23
4S/13W-1N7	Long Beach-2 #5	3/7/00	856	840	.6	7.5	1,300	21
4S/13W-1N8	Long Beach-2 #6	3/8/00	1,250	1,190	.4	7.4	1,810	21
4S/13W-9H9	Carson-1 #1	1/6/98	203	202	.2	8.3	345	25
4S/13W-9H9		2/17/99	—	206	<.1	8.3	348	23.6
4S/13W-9H10	Carson-1 #2	1/5/98	230	228	.2	8.2	392	24.3
4S/13W-9H10		2/17/99	—	230	.2	8.2	394	22.9
4S/13W-9H11	Carson-1 #3	1/6/98	314	311	.2	8.1	513	22.4
4S/13W-9H11		2/11/99	—	320	.3	8.1	528	21.5
4S/13W-9H12	Carson-1 #4	1/6/98	566	553	.2	7.8	936	21.3
4S/13W-9H12		2/11/99	—	574	.2	7.8	988	20.7

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed end-point titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
11	0.35	0.9	54	98	100	0.07	19	0.5	17
10	.38	.6	51	96	—	.08	19	.5	16
23	2.6	2	35	102	140	.07	17	.4	23
32	3.6	1.9	32	145	—	.03	7.5	.3	22
39	4.5	2.4	31	158	200	.05	9.1	.3	25
38	4.5	2.1	32	158	—	.04	9.3	.3	25
56	6.9	3	32	184	180	.15	27	.4	23
47	5.8	2.8	35	182	—	.11	19	.3	22
50	8.8	2.5	25	186	200	.04	9.8	.5	25
47	8.2	2.2	24	185	—	.04	10	.5	24
140	14	4.6	52	199	200	1.56	210	.2	24
140	14	4.5	52	215	—	1.45	210	.2	24
—	—	—	—	—	180	—	—	—	—
—	—	—	—	—	120	—	—	—	—
50	7	—	24	—	180	.05	8.8	.3	21
46	6.4	—	22	—	170	.03	6.1	.3	21
2.8	.08	.5	74	156	150	.04	14	.7	19
2.2	.24	.8	79	*170*	*158*	.04	15	.7	21
2.6	.15	.6	78	*160*	*152*	.04	15	.7	20
4.4	.31	.7	66	*130*	*119*	.02	12	.7	20
20	2	1.4	59	*140*	*132*	.04	12	.4	19
280	40	5.5	246	*160*	*156*	2.42	650	.2	22
150	23	3.4	73	*210*	*208*	.38	130	.3	25
—	—	—	—	—	160	—	—	—	—
6.7	1.5	2.4	143	*330*	*315*	.21	21	.7	23
12	1.3	1.6	73	*140*	*142*	.08	22	.6	21
35	4	3	60	*150*	*142*	.12	29	.4	24
150	21	5.1	107	*300*	*288*	.82	97	.2	27
210	34	6.8	138	*320*	*308*	1.92	150	.3	28
19	3.8	3.1	51	150	140	.08	20	.3	19
20	4.2	3	47	150	150	.09	20	.3	21
32	6.7	2.4	42	177	170	.09	21	.3	22
33	6.9	2.4	41	175	170	.1	20	.2	24
44	12	3.1	47	171	160	.11	23	.4	23
46	12	2.9	45	170	170	.12	23	.3	25
86	21	4.4	74	215	200	.34	110	.5	21
97	22	4.4	71	213	210	.38	120	.4	24

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
4S/12W-5H5	Lakewood-1 #1	4/25/97	15	—	—	—	—	—
4S/12W-5H5		5/1/98	15	0.37	0.39	<0.050	<0.010	0.035
4S/12W-5H6	Lakewood-1 #2	4/23/97	16	—	—	—	—	—
4S/12W-5H6		4/29/98	15	.13	.11	<.050	<.010	.069
4S/12W-5H7	Lakewood-1 #3	4/23/97	15	.2	<.20	<.050	<.010	.16
4S/12W-5H7		4/29/98	14	.22	.21	<.050	<.010	.11
4S/12W-5H8	Lakewood-1 #4	4/24/97	15	.28	.3	<.050	<.010	.76
4S/12W-5H8		4/30/98	15	.3	.24	<.050	<.010	1.3
4S/12W-5H9	Lakewood-1 #5	4/24/97	15	.08	<.20	<.050	<.010	.075
4S/12W-5H9		4/30/98	14	.11	<.10	<.050	<.010	.05
4S/12W-5H10	Lakewood-1 #6	4/24/97	42	.43	.36	<.050	<.010	.33
4S/12W-5H10		4/30/98	44	.5	.47	<.050	<.010	.18
4S/12W-6K1	North Long Beach-4	9/11/96	—	—	—	—	—	—
4S/12W-6K4	North Long Beach-5	9/11/96	—	—	—	—	—	—
4S/12W-10H1	Lakewood-10	9/27/95	26	—	—	—	—	—
4S/12W-11B3	Lakewood-16	9/27/95	17	—	—	—	—	—
4S/12W-25E1	Annex-204	6/11/97	.3	.086	—	.2	.013	—
4S/12W-25G1	Long Beach-1 #1	3/14/00	1.6	.6	—	<.050	<.010	—
4S/12W-25G2	Long Beach-1 #2	3/15/00	.3	.34	—	<.050	<.010	—
4S/12W-25G3	Long Beach-1 #3	3/10/00	15	.17	—	<.050	<.010	—
4S/12W-25G4	Long Beach-1 #4	3/15/00	33	.27	—	<.050	<.010	—
4S/12W-25G5	Long Beach-1 #5	3/14/00	280	.68	—	<.050	<.010	—
4S/12W-25G6	Long Beach-1 #6	3/14/00	210	.39	—	<.050	<.010	—
4S/12W-28H1	Alamitos-9	9/11/96	—	—	—	—	—	—
4S/13W-1N3	Long Beach-2 #1	3/9/00	.3	1.4	—	<.050	.01	—
4S/13W-1N5	Long Beach-2 #3	3/9/00	27	.38	—	<.050	<.010	—
4S/13W-1N6	Long Beach-2 #4	3/8/00	46	.2	—	<.050	<.010	—
4S/13W-1N7	Long Beach-2 #5	3/7/00	260	.22	—	<.050	<.010	—
4S/13W-1N8	Long Beach-2 #6	3/8/00	430	.36	—	<.050	<.010	—
4S/13W-9H9	Carson-1 #1	1/6/98	.3	.52	—	<.050	.025	—
4S/13W-9H9		2/17/99	<.1	—	—	—	—	—
4S/13W-9H10	Carson-1 #2	1/5/98	.1	.37	—	<.050	.017	—
4S/13W-9H10		2/17/99	<.1	—	—	—	—	—
4S/13W-9H11	Carson-1 #3	1/6/98	61	.23	—	<.050	.017	—
4S/13W-9H11		2/11/99	62	—	—	—	—	—
4S/13W-9H12	Carson-1 #4	1/6/98	110	.23	—	<.050	.018	—
4S/13W-9H12		2/11/99	110	—	—	—	—	—

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (mg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
—	—	15	18	60	0.05	<3	<4	4	140
0.07	—	—	—	60	.048	<10	—	7	—
—	—	2	20	60	.05	20	4	30	200
.078	—	—	—	50	.012	20	—	37	—
.18	—	3	35	60	.019	20	5	39	340
.13	—	—	—	60	.016	20	—	37	—
.72	—	9	91	70	.043	50	4	120	620
1.5	—	—	—	80	.029	60	—	130	—
.09	—	4	120	90	.017	90	<4	62	390
.073	—	—	—	80	.015	100	—	57	—
.35	—	19	340	90	.104	200	5	450	1,300
.21	—	—	—	90	.089	140	—	440	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	100	70	.002	<10	<4	3	400
—	—	—	110	70	.004	20	<4	29	360
<.010	—	—	2	180	.01	<10	5	<1	29
.083	4.7	<2	1.7	190	.019	<10	<4	3	24
.096	4.8	<2	1.8	200	.019	<10	<4	<2	27
1.6	2.3	<2	1.1	90	.009	<10	5	12	25
2	.8	<2	4.4	60	.006	<10	5	30	190
1.3	1.1	5	200	90	.031	30	17	360	2,700
.43	1.1	9	270	90	.046	60	5	290	1,400
—	—	—	—	—	—	—	—	—	—
.21	13	<2	6	550	.018	100	12	12	67
.82	1.8	<2	3.8	140	.036	10	7	14	74
.54	—	2	18	100	.043	<10	7	23	320
.39	—	5	83	250	.035	80	6	150	110
.48	—	8	120	330	.038	130	7	340	1,600
.045	—	<1	12	100	.028	<10	5	16	190
—	—	—	18	100	.029	<10	—	28	200
.026	—	<1	39	100	.027	<10	5	18	370
—	—	—	42	120	.027	<10	—	23	380
.061	—	<1	58	110	.032	<10	5	36	400
—	—	—	64	120	.031	<10	—	41	410
.11	—	<1	200	120	.051	50	8	140	840
—	—	—	230	120	.051	120	—	150	880

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Solids, residue on evaporation at 180°C, dissolved (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Oxygen, dissolved (mg/L as O_2)	pH, field (standard units)	Specific conductance, field (µS/cm)	Water temperature (°C)
4S/13W-15A11	Dominguez-15	9/11/96	—	*215*	—	8.4	383	25
4S/13W-17D2	Dominguez-19	9/10/96	—	*248*	—	8.3	438	25.7
4S/13W-20N3	LACDPW 829N	10/12/95	—	*552*	0.6	7.8	938	23.7
4S/13W-27E2	LACDPW 360H	8/31/95	—	*6,380*	—	7.5	10,600	23.9
4S/13W-28A3	Wilmington-1 #1	1/12/98	514	495	.2	8.1	946	25.6
4S/13W-28A3		4/24/99	—	490	.1	8.1	960	24.4
4S/13W-28A4	Wilmington-1 #2	1/13/98	563	526	.2	7.9	987	24.8
4S/13W-28A4		4/25/99	—	787	.3	7.8	1,580	24.3
4S/13W-28A5	Wilmington-1 #3	1/14/98	1,740	1,470	<.2	7.5	2,910	25.2
4S/13W-28A5		4/25/99	—	1,720	—	7.6	3,240	—
4S/13W-28A6	Wilmington-1 #4	1/13/98	2,700	2,650	.2	7.5	4,830	22.7
4S/13W-28A6		4/25/99	—	2,470	.1	7.6	4,430	21.6
4S/13W-28A7	Wilmington-1 #5	1/12/98	754	722	<.2	7.7	1,	22.2
4S/13W-28A7		4/24/99	—	789	—	7.6	1,390	22.1
4S/13W-32F1	Wilmington-2 #1	1/15/98	562	519	<.2	8.5	920	32
4S/13W-32F1		4/21/99	—	515	<.1	8.6	890	28.7
4S/13W-32F2	Wilmington-2 #2	1/16/98	1,140	1,120	—	8.1	2,100	27.5
4S/13W-32F2		2/18/99	—	1,370	<.1	8	2,420	26.4
4S/13W-32F3	Wilmington-2 #3	1/16/98	350	343	.2	8.1	636	29.1
4S/13W-32F3		2/18/99	—	335	<.1	8.2	589	27.2
4S/13W-32F4	Wilmington-2 #4	1/16/98	2,240	2,120	<.2	7.6	4,080	28
4S/13W-32F4		4/21/99	—	1,990	<.1	7.6	3,730	27.7
4S/13W-32F5	Wilmington-2 #5	1/17/98	10,000	9,410	<.2	7.3	16,100	23.3
4S/13W-32F5		2/18/99	—	9,760	<.1	7.3	15,600	22.8
4S/14W-2N1	PM-3 Madrid #1	8/29/95	—	*430*	—	8	737	24.4
4S/14W-2N2	PM-3 Madrid #2	8/28/95	—	*282*	—	7.7	*494*	23.4
4S/14W-2N3	PM-3 Madrid #3	8/29/95	—	*561*	—	7.4	954	22.5
4S/14W-2N4	PM-3 Madrid #4	8/28/95	—	*637*	—	7.4	*1,080*	21.8
4S/14W-9D1	LACDPW 745A	9/1/95	—	*12,600*	—	7.1	20,700	24.8
4S/14W-15N1	LACDPW 758A	12/1/95	—	*448*	.4	7.6	768	22.6
4S/14W-26A2	Lomita-1 #1	4/20/99	1,360	1,300	.2	7.4	2,360	29.4
4S/14W-26A3	Lomita-1 #2	4/20/99	894	844	—	7.6	1,590	23.7
4S/14W-26A4	Lomita-1 #3	4/22/99	722	715	<.1	7.8	1,340	26.2
4S/14W-26A5	Lomita-1 #4	4/19/99	708	686	<.1	7.7	1,300	23.1
4S/14W-26A6	Lomita-1 #5	4/19/99	1,180	1,110	.1	7.5	2,080	22.2
5S/12W-1E1	LACDPW 503M	8/30/95	—	*4,090*	—	7.6	6,780	24
5S/12W-1E2	LACDPW 503N	8/30/95	—	*564*	—	7.5	959	20

Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Potassium, dissolved (mg/L as K)	Sodium, dissolved (mg/L as Na)	Acid neutralizing capacity, lab (mg/L as $CaCO_3$)	Alkalinity, fixed end-point titration, field (mg/L as $CaCO_3$)	Bromide, dissolved (mg/L as Br)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)
—	—	—	—	—	140	—	—	—	—
—	—	—	—	—	180	—	—	—	—
76	17	—	74	—	160	0.99	170	0.3	21
240	160	—	1,800	—	260	11.1	3,200	<.1	20
50	16	6.8	104	141	130	1.28	210	.2	22
50	16	7.1	106	*140*	130	2.39	210	.2	22
64	13	4.2	108	154	140	.89	180	.2	22
120	27	5.6	130	*140*	140	1.18	340	.1	21
190	39	8.6	294	153	160	3.33	790	<.1	25
210	47	9.4	346	*150*	170	4.32	910	<.1	24
300	100	13	490	148	130	4.98	1,300	<.1	27
280	96	13	457	*150*	140	5.04	1,200	<.1	26
80	28	6.2	127	169	160	.74	210	.2	28
85	31	7.4	145	*200*	200	1.09	230	.1	26
3.5	2.5	5.2	201	398	360	.35	61	1.1	24
3.3	2.2	5.5	195	*390*	380	.4	56	1	24
26	18	9.9	380	442	400	2.42	420	.5	21
30	22	13	437	*472*	450	2.82	510	.4	20
21	7.8	4.5	98	195	170	.35	84	.4	21
20	7.5	4.3	102	*187*	180	.28	72	.3	21
150	70	16	534	301	300	3.91	1,100	.3	29
140	67	16	492	*290*	310	3.28	1,000	.2	29
660	320	30	2,310	213	190	18.1	5,300	.3	25
640	310	31	2,600	*206*	200	18.1	5,200	.1	24
16	10	—	130	—	320	.06	28	.4	19
32	10	—	57	—	190	.14	35	.4	27
70	22	—	81	—	180	1.22	180	.4	29
70	20	—	120	—	190	1.43	210	.4	23
1,300	470	—	2,700	—	140	25	6,800	<.1	23
39	14	—	99	—	230	.36	95	.2	36
100	29	16	323	*250*	240	8.1	580	.1	30
82	23	11	187	*240*	230	2.93	340	.2	31
63	20	9.6	165	*310*	300	2.09	230	.2	29
59	16	9	164	*250*	240	2.58	250	.2	31
110	30	13	245	*230*	230	5.3	510	.1	33
330	51	—	990	—	110	7.97	2,100	<.1	16
66	25	—	92	—	110	.12	84	.3	9.2

Table 34. Field measurement, major ion, nutrient, and selected trace-element data in ground-water samples from selected monitoring sites,

Well number	Common name	Sample date	Sulfate, dissolved (mg/L as SO_4)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)
4S/13W-15A11	Dominguez-15	9/11/96	—	—	—	—	—	—
4S/13W-17D2	Dominguez-19	9/10/96	—	—	—	—	—	—
4S/13W-20N3	LACDPW 829N	10/12/95	31	—	—	—	—	—
4S/13W-27E2	LACDPW 360H	8/31/95	460	—	—	—	—	—
4S/13W-28A3	Wilmington-1 #1	1/12/98	.2	0.62	0.81	0.088	<0.010	0.047
4S/13W-28A3		4/24/99	<.1	—	—	—	—	—
4S/13W-28A4	Wilmington-1 #2	1/13/98	48	.76	.82	.075	<.010	.027
4S/13W-28A4		4/25/99	59	—	—	—	—	—
4S/13W-28A5	Wilmington-1 #3	1/14/98	19	1.6	1.7	.087	<.010	.136
4S/13W-28A5		4/25/99	50	—	—	—	—	—
4S/13W-28A6	Wilmington-1 #4	1/13/98	290	2.2	2.7	.12	<.010	.096
4S/13W-28A6		4/25/99	290	—	—	—	—	—
4S/13W-28A7	Wilmington-1 #5	1/12/98	140	.88	1.1	.079	<.010	.083
4S/13W-28A7		4/24/99	140	—	—	—	—	—
4S/13W-32F1	Wilmington-2 #1	1/15/98	.2	1.6	2.5	.08	.012	.099
4S/13W-32F1		4/21/99	<.1	—	—	—	—	—
4S/13W-32F2	Wilmington-2 #2	1/16/98	.6	2.3	3.2	.088	<.010	.037
4S/13W-32F2		2/18/99	<.1	—	—	—	—	—
4S/13W-32F3	Wilmington-2 #3	1/16/98	.8	.96	1.1	.083	<.010	.074
4S/13W-32F3		2/18/99	<.1	—	—	—	—	—
4S/13W-32F4	Wilmington-2 #4	1/16/98	14	4.3	4.5	.093	<.010	.078
4S/13W-32F4		4/21/99	29	—	—	—	—	—
4S/13W-32F5	Wilmington-2 #5	1/17/98	610	2.5	1.6	.087	<.010	.13
4S/13W-32F5		2/18/99	590	—	—	—	—	—
4S/14W-2N1	PM-3 Madrid #1	8/29/95	17	—	—	—	—	—
4S/14W-2N2	PM-3 Madrid #2	8/28/95	3.3	—	—	—	—	—
4S/14W-2N3	PM-3 Madrid #3	8/29/95	13	—	—	—	—	—
4S/14W-2N4	PM-3 Madrid #4	8/28/95	31	—	—	—	—	—
4S/14W-9D1	LACDPW 745A	9/1/95	870	—	—	—	—	—
4S/14W-15N1	LACDPW 758A	12/1/95	.4	—	—	—	—	—
4S/14W-26A2	Lomita-1 #1	4/20/99	73	—	—	—	—	—
4S/14W-26A3	Lomita-1 #2	4/20/99	27	—	—	—	—	—
4S/14W-26A4	Lomita-1 #3	4/22/99	13	—	—	—	—	—
4S/14W-26A5	Lomita-1 #4	4/19/99	14	—	—	—	—	—
4S/14W-26A6	Lomita-1 #5	4/19/99	26	—	—	—	—	—
5S/12W-1E1	LACDPW 503M	8/30/95	200	—	—	—	—	—
5S/12W-1E2	LACDPW 503N	8/30/95	230	—	—	—	—	—

Phosphorus, ortho-phosphate, dissolved (mg/L as P)	Carbon, organic, dissolved (mg/L as C)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iodide, dissolved (mg/L as I)	Iron, dissolved (µg/L as Fe)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	200	90	0.1	<10	—	84	—
—	—	—	100	750	.14	540	—	80	—
0.053	—	<1	11	120	.765	<10	11	22	370
—	—	—	12	120	.873	10	—	21	370
.037	—	<1	5.5	220	.268	<10	12	10	600
—	—	—	11	180	.148	20	—	18	1,200
.14	—	<1	25	220	.411	<30	25	17	1,900
—	—	—	27	240	.387	<30	—	11	2,100
.095	—	<1	130	200	.148	<30	41	61	3,900
—	—	—	120	220	.794	<30	—	51	3,700
.096	—	<1	50	180	.106	10	16	42	1,000
—	—	—	100	200	.168	260	—	96	1,100
.15	—	<1	5.1	660	.029	20	11	5	41
—	—	—	7	650	.033	20	—	6	39
.036	—	<1	37	1,100	1.1	<30	21	14	290
—	—	—	50	1,300	1.1	<100	—	33	360
.096	—	<1	9.4	210	.133	<10	9	7	190
—	—	—	23	270	.141	<50	—	24	180
.077	—	<1	120	560	.374	<30	43	31	1,400
—	—	—	120	560	.318	<30	—	61	1,300
.21	—	<1	160	650	.212	<100	100	228	6,400
—	—	—	140	620	.102	<100	—	239	6,000
—	—	—	100	360	.029	80	—	92	—
—	—	—	100	120	.04	120	—	160	—
—	—	—	100	130	.22	180	—	100	—
—	—	—	100	230	.24	380	—	300	—
—	—	—	100	340	.082	270	—	1,700	—
—	—	—	100	180	.096	330	—	170	—
—	—	4	78	880	1.6	<30	26	185	730
—	—	3	50	480	1.3	<10	19	136	550
—	—	<1	36	380	.701	<10	14	97	450
—	—	<1	36	420	.677	<10	17	105	400
—	—	<1	76	670	1.6	40	27	202	750
—	—	—	300	500	.3	50	—	70	—
—	—	—	100	140	.009	20	—	2	—

Table 35. Deuterium, oxygen-18, tritium, carbon-13, and carbon-14 data in ground-water samples from selected monitoring sites,

[State well No.: See well numbering diagram in text. All data were analyzed at U.S. Geological Survey laboratories. Location of sites is shown in

State well No.	Common name	Sample date	Hydrogen-2/1 (per mil)	Oxygen-18/16 (per mil)
1N/13W-28L1	LACDPW 3945C	06-04-97	-40.2	-6.33
1S/11W-25D1	LACDPW 3003A	08-24-95	-50.9	-6.90
1S/15W-24L1	Linden B-1	06-13-97	-47.8	-7.33
2S/11W-18C4	Pico Rivera-1 #1	05-09-97	-65.8	-9.56
2S/11W-18C4		05-06-98	-64.8	-9.61
2S/11W-18C5	Pico Rivera-1 #2	06-05-96	-56.3	-8.56
2S/11W-18C5		04-30-97	-57.0	-8.47
2S/11W-18C6	Pico Rivera-1 #3	06-05-96	-58.3	-8.14
2S/11W-18C6		04-30-97	-59.0	-8.09
2S/11W-18C7	Pico Rivera-1 #4	06-05-96	-59.8	-8.32
2S/11W-18C7		04-30-97	-60.1	-8.23
2S/12W-5J1	Cal-Water 51-01	09-10-96	-57.1	-8.20
2S/12W-7G1	Cal-Water 39-01	09-10-96	-58.4	-8.21
2S/12W-7J2	Commerce-1 #2	08-18-99	-45.1	-7.04
2S/12W-7J3	Commerce-1 #3	08-18-99	-43.7	-6.93
2S/12W-7J4	Commerce-1 #4	08-19-99	-50.0	-7.55
2S/12W-7J5	Commerce-1 #5	08-17-99	-56.9	-8.14
2S/12W-7J6	Commerce-1 #6	08-17-99	-39.8	-6.29
2S/12W-11R4	Montebello #11a	09-06-95	-64.3	-8.59
2S/12W-11R4		05-15-96	-61.2	-8.62
2S/12W-24M8	LACDPW 1601T	09-13-95	-60.9	-7.23
2S/12W-25G3	Pico Rivera-2 #1	03-31-99	-53.6	-7.66
2S/12W-25G4	Pico Rivera-2 #2	03-30-99	-59.4	-8.32
2S/12W-25G5	Pico Rivera-2 #3	04-01-99	-63.3	-8.61
2S/12W-25G6	Pico Rivera-2 #4	03-30-99	-57.1	-8.08
2S/12W-25G7	Pico Rivera-2 #5	04-01-99	-54.8	-7.62
2S/12W-25G8	Pico Rivera-2 #6	03-31-99	-50.1	-7.06
2S/12W-26D9	Rio Hondo-1 #1	01-28-98	-55.3	-8.39
2S/12W-26D9		05-08-98	-55.2	-8.36
2S/12W-26D10	Rio Hondo-1 #2	01-28-98	-62.4	-8.92
2S/12W-26D10		05-07-98	-63.6	-8.95
2S/12W-26D11	Rio Hondo-1 #3	01-29-98	-64.9	-8.88
2S/12W-26D11		05-09-98	-64.3	-8.87
2S/12W-26D12	Rio Hondo-1 #4	01-30-98	-59.8	-8.38
2S/12W-26D12		05-07-98	-58.2	-8.23
2S/12W-26D13	Rio Hondo-1 #5	01-30-98	-54.2	-7.48
2S/12W-26D13		05-08-98	-52.9	-7.60
2S/12W-26D14	Rio Hondo-1 #6	01-29-98	-52.6	-7.46
2S/12W-26D14		05-08-98	-50.4	-7.31
2S/12W-28J6	Downey-7	09-28-95	-62.5	-8.68
2S/12W-31H2	LACDPW 1524E	08-22-95	-55.0	-7.93
2S/12W-31H2		08-06-99	-51.6	-7.93
2S/12W-35D4	Downey-5	09-28-95	-58.4	-6.23
2S/13W-11R4	Vernon-12	09-10-96	-48.4	-7.18

figure 2. per mil, isotopic ratio in parts per thousand; TU, tritium units; pmc, percent modern carbon; <, actual value is less than value shown; —, no data]

Tritium, in water molecules (TU)	Tritium, error count (TU)	Carbon-13/12 (per mil)	Carbon-14 (pmc)	Carbon-14, error count (pmc)
—	—	—	—	—
7.2	0.5	—	—	—
—	—	—	—	—
.2	.3	-3.9	1.6	0.1
<.1	.6	—	—	—
6.3	.8	—	—	—
4.4	.6	-11.5	89.8	.5
11	1.0	—	—	—
12	1.0	—	—	—
15	1.2	—	—	—
15	1.2	—	—	—
—	—	—	—	—
—	—	—	—	—
<.1	.2	-16.8	28.5	.4
.2	.2	-15.0	56.7	.5
2.4	.2	—	—	—
19	1.2	—	—	—
<.1	.2	—	—	—
11	.8	—	—	—
12	1.0	—	—	—
—	—	—	—	—
8.4	.6	-12.3	93.2	.7
17	1.4	-13.6	111.2	.8
18	1.4	—	—	—
8.4	1.0	—	—	—
9.1	1.0	—	—	—
8.4	1.0	—	—	—
.2	1.2	-13.0	35.5	.3
.1	.6	—	—	—
19	1.8	-12.2	82.9	.6
18	1.4	—	—	—
12	1.6	—	—	—
13	1.0	—	—	—
8.1	1.6	-11.7	96.4	.7
8.1	.8	—	—	—
9.1	1.4	—	—	—
8.1	.8	—	—	—
8.8	1.4	—	—	—
7.2	.8	—	—	—
9.7	.6	—	—	—
.1	.2	—	—	—
<.1	.2	—	—	—
—	—	—	—	—
<.1	.2	—	—	—

Table 35. Deuterium, oxygen-18, tritium, carbon-13, and carbon-14 data in ground-water samples from selected monitoring sites,

State well No.	Common name	Sample date	Hydrogen-2/1 (per mil)	Oxygen-18/16 (per mil)
2S/13W-22C1	Huntington Park-1 #1	05-29-96	-48.4	-7.28
2S/13W-22C1		04-09-97	-47.5	-7.32
2S/13W-22C2	Huntington Park-1 #2	05-30-96	-48.1	-7.18
2S/13W-22C2		04-10-97	-47.3	-7.23
2S/13W-22C3	Huntington Park-1 #3	05-29-96	-47.8	-7.05
2S/13W-22C3		04-10-97	-48.7	-7.09
2S/13W-22C4	Huntington Park-1 #4	05-30-96	-46.9	-6.83
2S/13W-22C4		04-09-97	-44.2	-6.78
2S/13W-31C3	LACDPW 1414C	05-31-96	-49.1	-7.30
2S/13W-31C3		06-06-97	-48.6	-7.34
2S/13W-32R13	99th Street-11	09-12-95	-47.1	-7.33
2S/14W-10Q2	Crenshaw	09-10-96	-46.6	-7.10
2S/14W-23H3	Manhatten 1a	09-12-95	-46.5	-7.20
2S/14W-26N3	Inglewood-2 #1	04-28-99	-60.4	-8.98
2S/14W-26N4	Inglewood-2 #2	04-28-99	-61.8	-8.88
2S/14W-26N5	Inglewood-2 #3	04-26-99	-48.7	-7.42
2S/14W-28M3	Inglewood-1 #1	04-27-99	-49.9	-7.98
2S/14W-28M5	Inglewood-1 #3	04-26-99	-41.1	-6.09
2S/14W-28M6	Inglewood-1 #4	04-27-99	-39.4	-6.14
2S/14W-28M7	Inglewood-1 #5	04-26-99	-40.5	-6.16
2S/14W-31H1	LACDPW 1314	06-12-97	-39.8	-6.24
3S/11W-2K4	Whittier-1 #1	03-17-00	-42.5	-6.63
3S/11W-2K5	Whittier-1 #2	03-16-00	-41.0	-6.42
3S/11W-2K6	Whittier-1 #4	03-16-00	-37.0	-5.78
3S/11W-2K7	Whittier-1 #5	03-15-00	-37.0	-5.85
3S/11W-2K8	Whittier-1 #3	03-16-00	-40.7	-6.32
3S/11W-9D2	Santa Fe Springs-1 #2	04-23-99	-49.3	-7.66
3S/11W-9D3	Santa Fe Springs-1 #3	04-23-99	-44.0	-6.73
3S/11W-9D4	Santa Fe Springs-1 #4	04-23-99	-49.4	-7.51
3S/11W-19E2	Park Water-29K	09-15-95	-59.5	-8.45
3S/11W-26E2	La Mirada-1 #1	08-04-99	-52.5	-7.89
3S/11W-26E3	La Mirada-1 #2	08-04-99	-55.3	-8.23
3S/11W-26E4	La Mirada-1 #3	08-05-99	-54.8	-8.20
3S/11W-26E5	La Mirada-1 #4	08-05-99	-53.7	-7.98
3S/11W-26E6	La Mirada-1#5	08-05-99	-51.7	-7.79
3S/12W-1D2	LACDPW 1605M	08-22-95	-54.2	-7.72
3S/12W-2H4	Downey-12	09-28-95	-61.5	-8.51
3S/12W-3J1	Downey-16	09-28-95	-64.1	-8.45
3S/12W-6B4	South Gate-1 #1	08-06-99	-48.0	-7.38
3S/12W-6B5	South Gate-1 #2	08-16-99	-59.0	-8.30
3S/12W-6B6	South Gate-1 #3	08-16-99	-61.3	-8.72
3S/12W-6B7	South Gate-1 #4	08-06-99	-59.3	-8.38
3S/12W-6B8	South Gate-1 #5	08-06-99	-47.8	-7.36
3S/12W-6D2	South Gate #14	09-09-96	-59.7	-8.40

Tritium, in water molecules (TU)	Tritium, error count (TU)	Carbon-13/12 (per mil)	Carbon-14 (pmc)	Carbon-14, error count (pmc)
<0.1	0.2	—	—	—
—	—	-13.6	83.7	0.7
<.03	.2	—	—	—
—	—	-13.5	83.5	.6
1.3	.2	—	—	—
—	—	—	—	—
.6	.2	—	—	—
—	—	—	—	—
<.1	.2	—	—	—
—	—	-14.0	70.0	2.6
—	—	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	-13.6	53.5	.8
.3	.2	—	—	—
1.6	.2	—	—	—
—	—	—	—	—
<.1	.2	-14.9	15.5	.2
<.1	.2	-15.0	14.9	.2
<.1	.2	—	—	—
<.1	.2	—	—	—
.1	.2	-15.0	15.3	.2
<.1	.2	—	—	—
.4	.2	—	—	—
<.1	.2	—	—	—
—	—	—	—	—
<.1	.2	-13.6	20.0	.3
<.1	.2	-11.9	52.7	.5
<.1	.2	—	—	—
<.1	.2	—	—	—
.1	.2	—	—	—
—	—	—	—	—
12	.8	—	—	—
—	—	—	—	—
<.1	.2	-13.9	48.3	.4
17	1.0	-11.8	93.7	1.1
25	1.6	—	—	—
14	.8	—	—	—
<.1	.2	—	—	—
—	—	—	—	—

Table 35. Deuterium, oxygen-18, tritium, carbon-13, and carbon-14 data in ground-water samples from selected monitoring sites,

State well No.	Common name	Sample date	Hydrogen-2/1 (per mil)	Oxygen-18/16 (per mil)
3S/12W-9J1	Downey-1 #1	12-30-97	-55.2	-8.40
3S/12W-9J1		05-04-98	-54.0	-8.30
3S/12W-9J2	Downey-1 #2	12-29-97	-58.9	-8.60
3S/12W-9J2		05-02-98	-57.3	-8.63
3S/12W-9J3	Downey-1 #3	12-31-97	-69.1	-9.39
3S/12W-9J3		05-02-98	-68.0	-9.36
3S/12W-9J4	Downey-1 #4	12-29-97	-59.3	-8.18
3S/12W-9J4		05-03-98	-59.2	-8.39
3S/12W-9J5	Downey-1 #5	12-30-97	-53.8	-7.95
3S/12W-9J5		05-04-98	-52.8	-8.00
3S/12W-9J6	Downey-1 #6	12-31-97	-54.5	-7.74
3S/12W-9J6		05-02-98	-54.7	-7.79
3S/12W-11E1	Downey-24	09-28-95	-61.1	-8.31
3S/12W-14F1	Park Water-28B	09-14-95	-60.3	-8.48
3S/12W-16H1	Park Water-40D	09-14-95	-58.1	-8.47
3S/12W-25C1	Cerritos JC-2	08-30-95	-62.6	-8.81
3S/12W-30K2	Edison-922-E	06-27-97	-48.9	-7.44
3S/12W-33A7	Lakewood-2a	09-27-95	-56.3	-8.84
3S/12W-34F1	Lakewood-18	09-27-95	-55.9	-8.53
3S/13W-8J1	Willowbrook-1 #1	01-07-98	-50.2	-7.93
3S/13W-8J2	Willowbrook-1 #2	01-07-98	-46.5	-7.37
3S/13W-8J3	Willowbrook-1 #3	01-08-98	-47.1	-7.35
3S/13W-8J4	Willowbrook-1 #4	01-08-98	-49.7	-7.47
3S/13W-10L3	Willowbrook-3	06-11-97	-50.6	-7.78
3S/13W-12J1	Lynwood-5	11-30-95	-57.8	-8.15
3S/13W-13F4	Park Water-4B	09-14-95	-60.7	-8.64
3S/13W-21R3	Park Water-31A	09-14-95	-47.0	-7.35
3S/13W-21R3		05-01-97	-47.0	-7.31
3S/13W-26C1	Compton-13	09-09-96	-48.0	-7.48
3S/13W-35Q5	Dominguez-23b	09-10-96	-55.4	-8.43
3S/14W-3K2	Yukon-2	06-12-97	-44.0	-6.94
3S/14W-13J5	Gardena-1 #1	06-06-96	-53.3	-7.75
3S/14W-13J5		05-02-97	—	—
3S/14W-13J6	Gardena-1 #2	11-29-95	-46.7	-7.35
3S/14W-13J6		06-07-96	-49.0	-7.29
3S/14W-13J6		04-11-97	—	—
3S/14W-13J7	Gardena-1 #3	11-29-95	-47.1	-7.25
3S/14W-13J7		06-07-96	-48.0	-7.29
3S/14W-13J8	Gardena-1 #4	11-30-95	-45.2	-6.77
3S/14W-13J8		06-06-96	-42.4	-6.49
3S/14W-17G3	Hawthorne-1 #1	08-17-99	-50.5	-7.70
3S/14W-17G4	Hawthorne-1 #2	08-07-99	-49.3	-7.59
3S/14W-17G5	Hawthorne-1 #3	08-07-99	-46.1	-7.06
3S/14W-17G6	Hawthorne-1 #4	08-07-99	-45.6	-7.03

Tritium, in water molecules (TU)	Tritium, error count (TU)	Carbon-13/12 (per mil)	Carbon-14 (pmc)	Carbon-14, error count (pmc)
0.7	1.2	-12.1	74.0	0.5
.1	.6	—	—	—
5.9	1.4	-12.3	85.8	.5
5.6	.8	—	—	—
34	2.6	-11.2	123.4	.6
31	2.2	—	—	—
20	1.8	—	—	—
18	1.4	—	—	—
6.9	1.2	—	—	—
5.0	.6	—	—	—
18	1.6	—	—	—
16	1.2	—	—	—
23	1.6	—	—	—
—	—	—	—	—
22	1.4	—	—	—
24	1.6	—	—	—
<.1	.2	-14.8	65.8	.5
7.2	.5	—	—	—
4.7	.3	—	—	—
<.1	.2	-11.4	15.9	.2
<.1	.2	-13.5	67.8	.4
<.1	.2	—	—	—
.1	.2	—	—	—
—	—	—	—	—
17	1.2	—	—	—
20	1.4	—	—	—
.2	.2	—	—	—
<.1	.3	-14.9	65.7	.5
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
.3	.6	-2.9	8.7	.1
.3	.2	—	—	—
—	—	—	—	—
—	—	-14.5	65.4	.6
.1	.2	—	—	—
—	—	—	—	—
1.0	.2	—	—	—
—	—	—	—	—
<.1	.2	-13.5	2.8	.1
<.1	.2	-11.4	7.6	.2
<.1	.2	-18.5	10.1	.2
<.1	.2	—	—	—

Table 35. Deuterium, oxygen-18, tritium, carbon-13, and carbon-14 data in ground-water samples from selected monitoring sites,

State well No.	Common name	Sample date	Hydrogen-2/1 (per mil)	Oxygen-18/16 (per mil)
3S/14W-17G7	Hawthorne-1 #5	08-07-99	-45.5	-6.92
3S/14W-17G8	Hawthorne-1 #6	08-17-99	-50.6	-6.85
3S/14W-21M1	Chicago-1	11-28-95	-46.9	-7.15
3S/14W-22L1	Compton+Doty	06-05-97	-46.4	-7.12
4S/11W-5P9	Cerritos-1 #1	08-03-99	-56.3	-8.26
4S/11W-5P10	Cerritos-1 #2	08-03-99	-53.3	-8.13
4S/11W-5P11	Cerritos-1 #3	08-03-99	-53.1	-8.14
4S/11W-5P12	Cerritos-1 #4	08-02-99	-54.7	-8.19
4S/11W-5P13	Cerritos-1 #5	08-03-99	-52.3	-8.13
4S/11W-5P14	Cerritos-1 #6	08-04-99	-53.0	-8.08
4S/11W-18J5	LACDPW 1037G	08-30-95	-55.5	-8.27
4S/12W-1N3	LACDPW 1005E	08-23-95	-53.3	-8.10
4S/12W-5H5	Lakewood-1 #1	04-25-97	-58.6	-8.91
4S/12W-5H5		05-01-98	-59.4	-8.96
4S/12W-5H6	Lakewood-1 #2	04-23-97	-59.3	-8.80
4S/12W-5H6		04-29-98	-53.4	-8.10
4S/12W-5H7	Lakewood-1 #3	04-23-97	-52.7	-8.07
4S/12W-5H7		04-29-98	-50.2	-8.06
4S/12W-5H8	Lakewood-1 #4	04-24-97	-50.8	-7.85
4S/12W-5H8		04-30-98	-52.3	-7.89
4S/12W-5H9	Lakewood-1 #5	04-24-97	-53.6	-8.12
4S/12W-5H9		04-30-98	-53.5	-8.20
4S/12W-5H10	Lakewood-1 #6	04-24-97	-52.0	-7.79
4S/12W-5H10		04-30-98	-51.6	-7.75
4S/12W-6K1	North Long Beach-4	09-11-96	-58.5	-8.84
4S/12W-6K4	North Long Beach-5	09-11-96	-51.2	-7.72
4S/12W-10H1	Lakewood-10	09-27-95	-52.8	-8.10
4S/12W-11B3	Lakewood-16	09-27-95	-55.6	-8.11
4S/12W-25E1	Annex-204	06-11-97	-57.0	-8.59
4S/12W-25G1	Long Beach-1 #1	03-14-00	-57.5	-8.64
4S/12W-25G2	Long Beach-1 #2	03-15-00	-57.0	-8.56
4S/12W-25G3	Long Beach-1 #3	03-10-00	-56.9	-8.55
4S/12W-25G4	Long Beach-1 #4	03-15-00	-57.0	-8.39
4S/12W-25G5	Long Beach-1 #5	03-14-00	-65.2	-9.08
4S/12W-25G6	Long Beach-1 #6	03-14-00	-53.0	-7.77
4S/12W-28H1	Alamitos-9	09-11-96	-58.1	-8.70
4S/13W-1N3	Long Beach-2 #1	03-09-00	-63.6	-9.17
4S/13W-1N5	Long Beach-2 #3	03-09-00	-51.1	-7.87
4S/13W-1N6	Long Beach-2 #4	03-08-00	-49.0	-7.55
4S/13W-1N7	Long Beach-2 #5	03-07-00	-41.7	-6.44
4S/13W-1N8	Long Beach-2 #6	03-08-00	-41.8	-6.20
4S/13W-9H9	Carson-1 #1	01-06-98	-48.4	-7.33
4S/13W-9H9		02-17-99	-47.0	-7.33
4S/13W-9H10	Carson-1 #2	01-05-98	-46.6	-7.27

Tritium, in water molecules (TU)	Tritium, error count (TU)	Carbon-13/12 (per mil)	Carbon-14 (pmc)	Carbon-14, error count (pmc)
1.0	.2	—	—	—
18	1.2	—	—	—
<.1	.2	—	—	—
—	—	—	—	—
<.1	.2	-12.2	56.2	0.5
<.1	.2	-11.7	46.0	.4
<.1	.2	-12.2	33.9	.4
<.1	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
.6	.2	—	—	—
—	—	—	—	—
<.1	.6	-12.5	7.6	.1
<.1	.6	—	—	—
.3	.6	-12.7	16.4	.2
<.1	.6	—	—	—
<.1	.6	—	—	—
<.1	.6	—	—	—
.5	.6	—	—	—
.1	.6	—	—	—
<.1	.6	—	—	—
<.1	.6	—	—	—
2.0	.6	—	—	—
2.4	.6	—	—	—
—	—	—	—	—
—	—	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
—	—	—	—	—
<.1	.2	-15.3	30.5	.3
<.1	.2	-15.2	30.1	.3
<.1	.2	-14.9	23.7	.2
.13	.2	-12.2	52.9	.4
26	1.8	-12.5	61.4	.4
.3	.2	—	—	—
<.1	.2	—	—	—
<.1	.2	-8.3	1.3	.1
<.1	.2	-16.7	22.3	.2
<.1	.2	—	—	—
5.0	.3	—	—	—
3.8	.2	—	—	—
.1	.2	-12.4	27.6	.3
—	—	—	—	—
<.1	.2	-12.3	43.6	.4

Table 35. Deuterium, oxygen-18, tritium, carbon-13, and carbon-14 data in ground-water samples from selected monitoring sites,

State well No.	Common name	Sample date	Hydrogen-2/1 (per mil)	Oxygen-18/16 (per mil)
4S/13W-9H10	Carson-1 #2	02-17-99	-47.9	-7.30
4S/13W-9H11	Carson-1 #3	01-06-98	-47.3	-7.30
4S/13W-9H11		02-11-99	-46.5	-7.28
4S/13W-9H12	Carson-1 #4	01-06-98	-47.0	-7.12
4S/13W-9H12		02-11-99	-47.1	-7.11
4S/13W-15A11	Dominguez-15	09-11-96	-52.1	-7.62
4S/13W-17D2	Dominguez-19	09-10-96	-48.2	-7.32
4S/13W-20N3	LACDPW 829N	10-12-95	-45.2	-6.93
4S/13W-27E2	LACDPW 360H	08-31-95	-62.5	-8.36
4S/13W-28A3	Wilmington-1 #1	01-12-98	-47.5	-7.21
4S/13W-28A3		04-24-99	-46.8	-7.29
4S/13W-28A4	Wilmington-1 #2	01-13-98	-45.1	-7.18
4S/13W-28A4		04-25-99	-46.0	-7.13
4S/13W-28A5	Wilmington-1 #3	01-14-98	-48.3	-7.32
4S/13W-28A5		04-25-99	-49.4	-7.34
4S/13W-28A6	Wilmington-1 #4	01-13-98	-76.3	-9.61
4S/13W-28A6		04-25-99	-77.5	-9.77
4S/13W-28A7	Wilmington-1 #5	01-12-98	-74.3	-9.59
4S/13W-28A7		04-24-99	-73.3	-9.58
4S/13W-32F1	Wilmington-2 #1	01-15-98	-59.6	-8.83
4S/13W-32F1		04-21-99	-59.7	-8.73
4S/13W-32F2	Wilmington-2 #2	01-16-98	-57.9	-8.65
4S/13W-32F2		02-18-99	-55.8	-8.63
4S/13W-32F3	Wilmington-2 #3	01-16-98	-52.8	-7.91
4S/13W-32F3		02-18-99	-50.6	-7.84
4S/13W-32F4	Wilmington-2 #4	01-16-98	-53.9	-7.95
4S/13W-32F4		04-21-99	-51.3	-7.96
4S/13W-32F5	Wilmington-2 #5	01-17-98	-57.1	-7.59
4S/13W-32F5		02-18-99	-57.7	-7.57
4S/14W-2N1	PM-3 Madrid #1	08-29-95	-48.4	-7.76
4S/14W-2N2	PM-3 Madrid #2	08-28-95	-48.5	-6.88
4S/14W-2N3	PM-3 Madrid #3	08-29-95	-44.3	-6.88
4S/14W-2N4	PM-3 Madrid #4	08-28-95	-47.1	-6.91
4S/14W-9D1	LACDPW 745A	09-01-95	-34.1	-4.86
4S/14W-15N1	LACDPW 758A	12-01-95	-48.0	-7.41
4S/14W-26A2	Lomita-1 #1	04-20-99	-41.7	-6.37
4S/14W-26A3	Lomita-1 #2	04-20-99	-43.3	-6.57
4S/14W-26A4	Lomita-1 #3	04-22-99	-50.3	-7.73
4S/14W-26A5	Lomita-1 #4	04-19-99	-45.1	-7.05
4S/14W-26A6	Lomita-1 #5	04-19-99	-41.1	-6.22
5S/12W-1E1	LACDPW 503M	08-30-95	-52.0	-7.57
5S/12W-1E2	LACDPW 503N	08-30-95	-88.2	-10.7

Tritium, in water molecules (TU)	Tritium, error count (TU)	Carbon-13/12 (per mil)	Carbon-14 (pmc)	Carbon-14, error count (pmc)
—	—	—	—	—
<0.1	0.2	—	—	—
—	—	—	—	—
.1	.2	—	—	—
—	—	—	—	—
<.1	.2	—	—	—
<.1	.2	—	—	—
.2	.2	—	—	—
22	1.4	—	—	—
<.1	.2	—	—	—
<.1	.2	-15.8	29.6	0.3
<.1	.2	—	—	—
<.1	.2	-18.4	44.5	.4
1.0	.2	—	—	—
1.6	.2	—	—	—
19	1.2	—	—	—
—	—	—	—	—
12	.8	—	—	—
—	—	—	—	—
<.1	.2	—	—	—
<.1	.2	-.3	2.5	.1
<.1	.2	—	—	—
<.1	.2	-.3	5.2	.1
<.1	.2	—	—	—
<.1	.2	-15.0	14.4	.2
1.4	.2	—	—	—
—	—	—	—	—
17	1.2	—	—	—
—	—	—	—	—
.8	.2	—	—	—
<.1	.2	—	—	—
.9	.2	—	—	—
4.4	.3	—	—	—
1.7	.2	—	—	—
<.1	.2	—	—	—
3.1	.2	—	—	—
.5	.2	—	—	—
.3	.2	—	—	—
.4	.2	—	—	—
.2	.2	—	—	—
.2	.2	—	—	—
11	.8	—	—	—

Table 36. Boron-11, sulfur-34, and strontium-87/86 data in ground-water samples from selected monitoring sites, Los Angeles County, California

[State well No.: See well numbering diagram in text. All data were analyzed at U.S. Geological Survey laboratories. Location of sites is shown in figure 2. per mil, isotopic ratio in parts per thousand; —, no data]

State well No.	Common name	Sample date	Boron-11/10 (per mil)	Sulfur-34/32 (per mil)	Strontium -87/86 (ratio)
4S/13W-9H9	Carson-1 #1	2-17-99	10	3.1	.70896
4S/13W-9H10	Carson-1 #2	2-17-99	14	6.1	.70879
4S/13W-9H11	Carson-1 #3	2-11-99	20	7.5	.70885
4S/13W-9H12	Carson-1 #4	2-11-99	16	5.5	.70939
4S/13W-28A3	Wilmington-1 #1	4-24-99	11	—	.70914
4S/13W-28A4	Wilmington-1 #2	4-25-99	20	32	.70930
4S/13W-28A5	Wilmington-1 #3	4-25-99	19	61	.70925
4S/13W-28A6	Wilmington-1 #4	4-25-99	24	11	.70882
4S/13W-28A7	Wilmington-1 #5	4-24-99	16	3.6	.70879
4S/13W-32F1	Wilmington-2 #1	4-21-99	—	1.9	.70930
4S/13W-32F2	Wilmington-2 #2	2-18-99	15	—	.70913
4S/13W-32F3	Wilmington-2 #3	2-18-99	15	—	.70896
4S/13W-32F4	Wilmington-2 #4	4-21-99	4.5	18	.70902
4S/13W-32F5	Wilmington-2 #5	2-18-99	28	26	.70913
4S/14W-26A2	Lomita-1 #1	4-20-99	16	11	.70860
4S/14W-26A3	Lomita-1 #2	4-20-99	12	29	.70862
4S/14W-26A4	Lomita-1 #3	4-22-99	13	22	.70872
4S/14W-26A5	Lomita-1 #4	4-19-99	13	26	.70866
4S/14W-26A6	Lomita-1 #5	4-19-99	15	39	.70862