APPENDIX C

DATA FROM THE CHEMICAL ANALYSIS OF GROUND LEVEL FILTER SAMPLES

The following tables give data for the ambient concentrations in $\mu g/m^3$ of total mass, sulfate, nitrate, and a number of elements, which are identified by a code containing up to three characters. The equipment used to collect the samples is described in Section 5.3.1, the times of collection summarized in Table 6-1, and the methods of obtaining and reducing the data in Section 8.0. The sulfur hexafluoride tracer data are presented in a format which matches the one used here in Tables E-11 through E-13. The days on which the data were collected are identified by the following code:

Code	Date	Power Plant
A	10 September	Moss Landing
B	11 September	Moss Landing
C	12 September	Moss Landing
D	1 October	Haynes
F	11 October	Haynes
G	17 October	Haynes
H	25 October	Alamitos
I	30 October	Alamitos
J	7 November	Alamitos

When the concentration of a chemical species was below the limit of detection, the limit of detection was entered in the tables preceeded by a less than sign (<).

CONCENTRATION OF MAS DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	57.90	65.60	41.40	57.80	70.60	66.50	57.50	55.40
2	4	SALINAS F.S. 5	79.00	70.00	48.40	50.60	50.40	44.60	66.70	52.60
3	2	GARIN CO.	114.00	125.00	127.00	84.50	64.70	51.50	59.10	65.00
4	6	FORT ORD	38.70	48.20	58.30	44.40	44.00	43.50	46.90	51.00
5	17	HOLLISTER APCD	52.50	44.80	59.20	46.60	45.50	45.70	48.80	45.90
6	16	VERTICARE	51.70	89.90	98.30	77.50	65.80	59.50	51.70	46.40
7	15	YODER BROTHERS	73.90	101.00	92.50	65.40	70.70	62.90	75.60	60.80
8	14	YOUTH SCI. CTR.	40.60	63.00						
9	18	GONZALES H.S.	52.80	57.00	61.60	63.40	53.50	68.60	47.90	53.90

CONCENTRATION OF MAS DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	87.70	29.80	26.30	41.30	29.40
2	4	SALINAS F.S. 5	97.60	83.90	62.90	52.00	46.70
3	2	GARIN CO.	143.00	73.20	63.90	57.30	47.60
4	6	FORT ORD	76.40	52.30	42.20	45.20	45.10
5	17	HOLLISTER APCD	77.90	88.70	120.00	70.20	37.00
6	16	VERTICARE	103.00	113.00	80.60	71.00	58.90
7	15	YODER BROTHERS	132.00	119.00	108.00	82.90	61.00
8	14	YOUTH SCI. CTR.	102.00	91.00	66.70	54.30	51.50
9	18	GONZALES H.S.	121.00	109.00	89.80	67.60	45.50

CONCENTRATION OF MAS DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	33.50	39.90	37.60	33.70	38.90
1	5	ANDERSON RANCH	34.10	35.70	34.70	36.10	36.00
2	4	SALINAS F.S. 5	33.20	34.80	33.30	32.10	34.50
3	2	GARIN CO.	69.90	38.60	51.10	45.40	37.20
4	6	FORT ORD	30.70	43.60	41.70	40.20	34.10
5	17	HOLLISTER APCD	27.10	29.10	40.50	29.70	23.10
6	16	VERTICARE	51.10	50.10	53.50	47.80	43.70
7	15	YODER BROTHERS	87.80	66.80	62.40	41.80	45.30
8	14	YOUTH SCI. CTR.	66.30	65.40	67.60	44.30	43.60
9	18	GONZALES H.S.	60.00	54.40	52.60	55.80	34.20

CONCENTRATION OF MAS DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	148.00	124.00	96.50	68.60	58.50	50.30	52.80
1	2	ANAHEIM F.S. 2	143.00	115.00	85.70	61.80	52.80	48.90	52.60
2	3	PALM HARBOR MED. CTR.	118.00	98.80	72.10	52.40	48.10	38.00	45.70
3	8	FULLERTON F.S. 5	183.00	168.00	133.00	95.30	68.70	69.30	74.90
4	7	ORANGE F.S. 3	150.00	127.00	101.00	64.30	47.70	42.10	43.70
5	9	ANAHEIM F.S. 8	171.00	152.00	146.00	108.00	81.00	53.80	50.70
6	14	FEATHERLY PARK	147.00	138.00	122.00	86.40	63.60	53.50	49.10
7	19	CORONA FOREST F.S.	204.00	175.00	235.00	142.00	96.40		53.20
8	20	RIVERSIDE F.S. 8	277.00	229.00	156.00	145.00	128.00	148.00	68.50
9	21	RIVERSIDE CENTRAL F.S	307.00	328.00	270.00	204.00	160.00	112.00	68.50

CONCENTRATION OF MAS DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	112.00	126.00	149.00	93.40	78.20	79.60	104.00
1	2	ANAHEIM F.S. 2	108.00	115.00	127.00	91.40	69.70	84.60	99.90
2	3	PALM HARBOR MED. CTR.	82.00	88.50	89.10	67.70	60.70	71.40	84.50
3	8	FULLERTON F.S. 5	158.00	139.00	169.00	116.00	92.10	89.40	95.00
4	7	ORANGE F.S. 3	104.00	102.00	117.00	89.30	70.40	77.50	73.10
5	9	ANAHEIM F.S. 8	90.70	108.00	118.00	139.00	92.20	79.70	73.00
6	14	FEATHERLY PARK	95.00	99.00	119.00	123.00	85.10	78.90	74.10
7	19	CORONA FOREST F.S.	241.00	211.00	213.00	123.00	98.70		183.00
8	20	RIVERSIDE F.S. 8	209.00	216.00	219.00	213.00	178.00	228.00	194.00
9	21	RIVERSIDE CENTRAL F.S	204.00	225.00	227.00	221.00	212.00	204.00	199.00

CONCENTRATION OF MAS DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	85.30	76.90	55.40	66.20	85.20	120.00	160.00
1	2	ANAHEIM F.S. 2	136.00	112.00	63.90	89.70	79.40	126.00	149.00
2	3	PALM HARBOR MED. CTR.	148.00	113.00	71.40	73.70	106.00	109.00	111.00
3	8	FULLERTON F.S. 5	89.30	112.00	76.30	76.60	110.00	70.10	112.00
5	9	ANAHEIM F.S. 8	74.70	117.00	73.70	91.90	106.00	97.20	86.00
6	14	FEATHERLY PARK	52.30	86.40	55.40	78.10	97.20	98.20	81.20
7	19	CORONA FOREST F.S.	209.00	96.90	108.00	98.60	157.00		132.00
8	20	RIVERSIDE F.S. 8	92.70	9.00	135.00	75.40	95.20	130.00	187.00
9	21	RIVERSIDE CENTRAL F.S	99.80	21.40	122.00	88.00	129.00	119.00	142.00

CONCENTRATION OF MAS DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	121.00	110.00	58.20	47.50	44.90	40.10	52.90
1	2	ANAHEIM F.S. 2		105.00	55.50	50.10	59.20	56.10	77.70
2	3	PALM HARBOR MED. CTR.		99.50	55.70	48.50	71.90	58.40	65.50
3	8	FULLERTON F.S. 5	124.00	129.00	89.60	60.10	61.80	58.70	57.20
4	5	WHITTIER APCD	36.70	21.80	17.90	16.70	13.80	16.60	17.80
5	17	POMONA APCD	154.00	151.00	109.00	83.20	56.50	54.00	74.70
6	14	FEATHERLY PARK	80.10	102.00	88.90	44.60	33.50	39.40	39.70
7	16	AZUSA APCD	239.00	216.00	123.00	80.60	59.20		61.20
8	20	RIVERSIDE F.S. 8	215.00	104.00	152.00	70.30	40.70	144.00	95.10
9	21	RIVERSIDE CENTRAL F.S	201.00	208.00	80.60	179.00	86.90	25.20	60.60

CONCENTRATION OF MAS DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	56.80	47.90	42.30	65.70	129.00	166.00	124.00
1	2	ANAHEIM F.S. 2	50.70	40.90	44.00	77.40	120.00	163.00	140.00
2	3	PALM HARBOR MED. CTR.	43.50	37.40	35.50	56.50	100.00	105.00	118.00
3	8	FULLERTON F.S. 5	60.70	53.40	55.60	78.60	112.00	85.10	98.40
4	5	WHITTIER APCD	53.90	49.20	54.40	82.80	125.00	130.00	143.00
5	17	POMONA APCD						96.80	92.50
6	14	FEATHERLY PARK			46.60	46.40	56.40	51.70	45.10
8	20	RIVERSIDE F.S. 8	68.00	69.30	97.30	67.90	66.60	97.50	114.00
9	21	RIVERSIDE CENTRAL F.S	45.50	53.90		55.30			62.40

CONCENTRATION OF MAS DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	22.50	43.70	51.00	91.30	115.00	125.00	124.00
1	2	ANAHEIM F.S. 2	28.50	34.50	36.40	75.00	82.00	89.90	105.00
2	3	PALM HARBOR MED. CTR.	53.40	43.90	65.40	91.60	72.80	84.50	76.40
3	8	FULLERTON F.S. 5	13.40	46.90	63.90	99.90	111.00	90.30	93.10
4	5	WHITTIER APCD	32.50	37.00	63.10	77.50	111.00	94.90	79.10
5	17	POMONA APCD	55.80	35.00	45.10	85.90	86.50	93.00	93.80
6	14	FEATHERLY PARK	32.30	22.60	51.70	64.30	74.80	68.90	59.10
7	16	AZUSA APCD	59.40	42.80	79.30	79.90	80.00		48.60
8	20	RIVERSIDE F.S. 8	84.00	154.00	119.00	63.50	136.00	156.00	118.00
9	21	RIVERSIDE CENTRAL F.S	39.50	19.70		75.00			104.00

CONCENTRATION OF SO4 — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< 1.15	1.78	< 1.10	1.89	1.31	< 1.23	< 1.19	< 1.25
2	4	SALINAS F.S. 5	4.87	1.89	1.04	< 1.10	< 1.08	1.22	2.35	1.78
3	2	GARIN CO.	3.69	< 1.72	< 1.61	< 1.53	< 1.65	< 1.60	< 1.64	< 1.60
4	6	FORT ORD	1.45	< 1.13	< 1.17	< 1.18	< 1.11	< 1.09	1.46	< 1.17
5	17	HOLLISTER APCD	1.51	1.70	1.99	2.78	3.75	2.01	2.08	2.41
6	16	VERTICARE	2.89	2.64	2.34	1.79	1.37	1.44	1.64	1.62
7	15	YODER BROTHERS	2.98	2.67	2.01	2.04	1.65	1.78	2.51	2.66
8	14	YOUTH SCI. CTR.	1.31	2.65						
9	18	GONZALES H.S.	2.83	1.62	1.79	2.22	1.56	2.07	2.37	2.42

CONCENTRATION OF SO4 — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	4.50	2.50	4.03	8.85	9.10
2	4	SALINAS F.S. 5	5.34	3.28	7.94	7.29	5.39
3	2	GARIN CO.	< 1.96	2.19	4.63	5.36	4.36
4	6	FORT ORD	2.88	3.08	5.00	5.86	4.84
5	17	HOLLISTER APCD	3.03	2.82	3.30	6.22	4.85
6	16	VERTICARE	5.75	4.02	3.10	3.73	11.00
7	15	YODER BROTHERS	4.78	4.49	6.88		
8	14	YOUTH SCI. CTR.	3.17	3.70	4.74	6.74	6.09
9	18	GONZALES H.S.	5.47	4.18	4.81	7.66	7.17

CONCENTRATION OF SO4 — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	5.04	3.78	6.27	5.62	3.98
1	5	ANDERSON RANCH	< 1.06	< 1.06	4.97	4.46	4.81
2	4	SALINAS F.S. 5	1.28	3.08	4.62	4.36	4.48
3	2	GARIN CO.	2.35	2.43	3.54	4.54	4.44
4	6	FORT ORD	3.24	3.71	4.74	4.42	4.83
5	17	HOLLISTER APCD	2.85	1.82	4.50	3.89	3.96
6	16	VERTICARE	3.46	2.28	3.47	3.25	1.01
7	15	YODER BROTHERS	4.67	3.35	4.45	4.69	4.22
8	14	YOUTH SCI. CTR.	4.09	3.25	3.85	4.34	2.97
9	18	GONZALES H.S.	4.75	3.38	3.47	3.57	3.81

CONCENTRATION OF SO4 DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	34.80	35.60	23.40	10.90	8.03	8.23	8.97
1	2	ANAHEIM F.S. 2	34.80	30.10	19.30	7.91	7.68	8.00	7.81
2	3	PALM HARBOR MED. CTR.	27.90	27.80	15.70	5.31	4.33	5.03	5.01
3	8	FULLERTON F.S. 5	37.90	40.60	30.00	11.10	6.66	8.28	9.92
4	7	ORANGE F.S. 3	32.20	34.10	26.30	7.77	5.01	5.51	5.67
5	9	ANAHEIM F.S. 8	29.40	32.50	31.60	13.60	5.99	4.25	4.76
6	14	FEATHERLY PARK	30.00	34.60	31.40	15.00	7.96	6.91	7.06
7	19	CORONA FOREST F.S.	29.30	29.00	31.00	16.50	8.17		5.34
8	20	RIVERSIDE F.S. 8	39.90	32.30	20.30	24.60	12.70	20.20	3.98
9	21	RIVERSIDE CENTRAL F.S	44.40	39.70	27.10	25.30	12.10	7.04	5.09

CONCENTRATION OF SO4 DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	23.30	25.60	29.50	20.90	13.90	13.30	11.70
1	2	ANAHEIM F.S. 2	22.40	28.20	27.30	19.90	12.70		12.20
2	3	PALM HARBOR MED. CTR.		19.70	18.00	14.90	11.20	8.91	10.00
3	8	FULLERTON F.S. 5	26.40	33.60	32.50	32.70		9.72	9.94
4	7	ORANGE F.S. 3	20.40	24.30	31.90	21.10	13.40	13.20	13.40
5	9	ANAHEIM F.S. 8	22.80	27.20	30.60	22.70	14.00	12.20	10.80
6	14	FEATHERLY PARK	24.40	23.40	26.30	25.70	17.30	14.80	15.20
7	19	CORONA FOREST F.S.	26.50	33.30	30.00	26.00	19.40		13.60
8	20	RIVERSIDE F.S. 8	27.60	33.00	24.10	25.40	22.70	25.00	17.10
9	21	RIVERSIDE CENTRAL F.S	33.60	39.40	31.80	30.00	24.40	19.80	19.20

CONCENTRATION OF SO4 DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.14	7.38	9.10	10.50	8.21	8.36	12.30
1	2	ANAHEIM F.S. 2	4.47	5.51	7.30	10.40	7.49	9.87	13.20
2	3	PALM HARBOR MED. CTR.	4.06	7.54	6.02	5.55	6.02	8.33	12.70
3	8	FULLERTON F.S. 5	3.57	8.78	7.44	7.78	9.49	7.15	5.54
5	9	ANAHEIM F.S. 8	3.74	6.63	6.31	6.02	5.70	6.69	6.72
6	14	FEATHERLY PARK	3.22	7.11	6.39	8.33	7.96	8.79	7.30
7	19	CORONA FOREST F.S.	2.47	2.62	7.69	5.15	5.89		3.80
8	20	RIVERSIDE F.S. 8	< 1.24	< 1.30	4.68	4.10	4.91	4.89	4.10
9	21	RIVERSIDE CENTRAL F.S	< 1.17	< 1.12	2.98	3.85	2.97	1.80	2.11

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CONCENTRATION OF SO4 DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	10.40	13.40	8.43	8.57	4.44	3.28	3.08
1	2	ANAHEIM F.S. 2		12.80	4.39	4.62	3.73	3.13	2.76
2	3	PALM HARBOR MED. CTR.		9.53	3.65	2.76	4.63	3.94	2.06
3	8	FULLERTON F.S. 5	10.60	13.10	7.96	3.67	5.77	4.09	2.56
4	5	WHITTIER APCD	1.82	< 1.05	< 1.07	< 1.09	< 1.06	< 1.03	< 1.06
5	17	POMONA APCD	8.39	9.28	6.73	4.66	4.07	3.83	4.31
6	14	FEATHERLY PARK	9.57	11.90	9.16	3.51	3.23	3.77	8.27
7	16	AZUSA APCD	9.79	7.32	5.85	5.91	4.52		5.49
8	20	RIVERSIDE F.S. 8	11.30	9.50	3.44	5.30	4.18	7.27	3.77
9	21	RIVERSIDE CENTRAL F.S	7.85	5.63	7.21	4.21	3.08	3.66	3.58

CONCENTRATION OF SO4 DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	2.86	2.82	4.38	6.66	5.53	3.88	2.78
1	2	ANAHEIM F.S. 2	2.59	2.11	5.00	8.40	4.38	5.08	1.91
2	3	PALM HARBOR MED. CTR.	2.61	2.27	1.54	2.12	3.69	2.18	< 1.21
3	8	FULLERTON F.S. 5	2.80	2.62	4.08	4.11	3.50	2.27	3.15
4	5	WHITTIER APCD	3.56	3.09	2.53	3.32	4.01	4.35	4.41
5	17	POMONA APCD						3.36	3.09
6	14	FEATHERLY PARK			2.85	1.96	2.16	2.06	2.26
8	20	RIVERSIDE F.S. 8	3.21	4.27	2.33	1.38	1.18	2.10	< 1.10
9	21	RIVERSIDE CENTRAL F.S	2.04	4.00		1.24			< 1.16

CONCENTRATION OF SO4 DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.74	2.92	9.16	< 1.22	2.30	1.99	3.39
1	2	ANAHEIM F.S. 2	1.95	2.19	8.58	6.78	2.49	1.34	3.05
2	3	PALM HARBOR MED. CTR.	1.78	4.12	5.64	5.84	4.21	4.06	4.96
3	8	FULLERTON F.S. 5	2.58	2.92	8.37	4.71	4.89	3.90	4.25
4	5	WHITTIER APCD	2.85	3.79	4.19	5.60	< 2.07	< 2.06	2.50
5	17	POMONA APCD	1.78	2.17	2.37	3.52	2.55	2.12	2.73
6	14	FEATHERLY PARK	2.25	2.73	5.43	5.48	5.69	5.22	4.37
7	16	AZUSA APCD	2.93	2.44	2.70	2.34	2.39		2.27
8	20	RIVERSIDE F.S. 8	< 1.16	< 1.13	2.76	4.54	4.36	3.19	3.38
9	21	RIVERSIDE CENTRAL F.S	< 1.23	1.43		4.26			3.17

CONCENTRATION OF NO3 DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	5.74	5.45	5.36	7.10	6.94	3.86	3.37	2.56
2	4	SALINAS F.S. 5	8.12	8.22	5.26	4.71	6.02	1.58	1.60	1.58
3	2	GARIN CO.	6.02	5.25	3.55	2.11	3.58	.69	.70	.70
4	6	FORT ORD	3.60	2.13	3.77	2.41	6.65	2.42	1.45	1.79
5	17	HOLLISTER APCD	3.23	2.79	2.56	4.37	5.61	6.18	7.56	6.31
6	16	VERTICARE	4.12	5.75	5.15	5.15	5.52	5.56	5.00	2.65
7	15	YODER BROTHERS	4.40	5.47	4.94	6.86	6.57	7.66	2.16	2.49
8	14	YOUTH SCI. CTR.	2.40	3.67						
9	18	GONZALES H.S.	5.00	3.92	7.70	5.96	6.26	8.31	2.84	2.83

CONCENTRATION OF NO3 DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	12.00	4.99	2.08	1.92	1.71
2	4	SALINAS F.S. 5	10.10	4.64	1.65	1.84	1.69
3	2	GARIN CO.	12.10	6.54	1.67	1.47	1.09
4	6	FORT ORD	9.68	8.72	3.40	2.45	1.96
5	17	HOLLISTER APCD	6.04	6.46	3.87	2.46	1.64
6	16	VERTICARE	11.10	8.25	3.72	1.31	1.80
7	15	YODER BROTHERS	9.41	11.10	4.78	2.73	2.51
8	14	YOUTH SCI. CTR.	8.26	7.08	2.62	2.19	2.68
9	18	GONZALES H.S.	12.60	10.50	5.97	2.83	2.00

CONCENTRATION OF NO3 DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.87	2.33	1.50	1.15	2.55
1	5	ANDERSON RANCH	2.18	2.54	1.99	1.68	1.61
2	4	SALINAS F.S. 5	2.48	2.54	1.73	1.13	1.18
3	2	GARIN CO.	1.80	1.68	2.92	1.56	.91
4	6	FORT ORD	2.55	2.96	1.82	1.43	2.01
5	17	HOLLISTER APCD	2.38	2.32	1.98	1.16	1.09
6	16	VERTICARE	5.10	3.76	3.03	.46	1.34
7	15	YODER BROTHERS	6.41	4.59	1.19	1.48	1.40
8	14	YOUTH SCI. CTR.	6.21	5.02	3.70	1.51	1.56
9	18	GONZALES H.S.	8.96	5.86	4.84	2.20	1.28

CONCENTRATION OF NO3 DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	14.40	8.47	5.02	6.47	6.49	6.94	7.34
1	2	ANAHEIM F.S. 2	12.20	4.47	4.58	5.47	4.90	5.76	7.27
2	3	PALM HARBOR MED. CTR.	7.02	2.61	3.20	4.98	3.88	2.63	4.07
3	8	FULLERTON F.S. 5	16.00	6.15	4.81	7.13	6.82	6.95	7.69
4	7	ORANGE F.S. 3	14.10	3.92	3.07	6.67	5.49	5.17	5.59
5	9	ANAHEIM F.S. 8	22.40	4.48	2.87	5.81	7.01	4.98	5.70
6	14	FEATHERLY PARK	23.30	5.19	2.76	8.30	8.30	7.27	6.82
7	19	CORONA FOREST F.S.	45.20	23.70	31.60	24.50	15.10		4.78
8	20	RIVERSIDE F.S. 8	79.50	43.60	15.60	12.90	17.70	15.10	7.95
9	21	RIVERSIDE CENTRAL F.S	77.40	90.20	54.40	44.80	33.10	16.90	.75

CONCENTRATION OF NO3 DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	11.70	8.16	17.20	5.31	7.85	10.50	12.50
1	2	ANAHEIM F.S. 2	9.54	4.65	8.77	4.36	5.90	9.25	12.60
2	3	PALM HARBOR MED. CTR.	8.20	5.23	7.27	7.05	7.02	8.74	12.30
3	8	FULLERTON F.S. 5	31.40	7.87	15.30	6.46	9.26	14.10	17.00
4	7	ORANGE F.S. 3	10.20	5.79	6.86	7.05	8.33	12.70	13.90
5	9	ANAHEIM F.S. 8	11.10	8.99	6.11	12.10	11.00	13.10	1.08
6	14	FEATHERLY PARK	12.70	6.83	5.42	9.63	7.77	7.55	6.66
7	19	CORONA FOREST F.S.	63.60	56.70	55.80	28.30	25.90		24.50
8	20	RIVERSIDE F.S. 8	55.60	58.00	52.50	44.30	33.30	53.50	45.40
9	21	RIVERSIDE CENTRAL F.S	46.40	62.70	63.10	55.90	60.20	60.90	56.40

CONCENTRATION OF NO3 DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	11.90	9.65	3.57	3.99	10.90	25.30	44.00
1	2	ANAHEIM F.S. 2	10.90	12.60	4.07	5.31	11.30	29.00	42.50
2	3	PALM HARBOR MED. CTR.	18.50	12.90	6.01	6.46	17.50	26.00	28.10
3	8	FULLERTON F.S. 5	8.37	10.40	4.12	4.91	10.40	9.85	7.75
5	9	ANAHEIM F.S. 8	5.43	12.30	6.48	5.88	7.29	10.10	8.34
6	14	FEATHERLY PARK	5.56	11.00	5.44	6.70	8.65	9.97	8.96
7	19	CORONA FOREST F.S.	34.10	9.83	10.60	12.10	21.00		11.00
8	20	RIVERSIDE F.S. 8	4.57	3.13	11.40	6.70	7.42	11.60	18.60
9	21	RIVERSIDE CENTRAL F.S	3.45	1.30	11.80	8.83	16.20	11.10	11.60

CONCENTRATION OF NO3 DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	19.10	13.30	6.66	4.36	4.31	4.55	4.53
1	2	ANAHEIM F.S. 2		10.50	4.86	3.25	3.93	4.03	4.36
2	3	PALM HARBOR MED. CTR.		11.30	5.00	3.02	7.67	3.88	3.91
3	8	FULLERTON F.S. 5	19.30	14.10	8.64	5.47	5.39	5.66	4.58
4	5	WHITTIER APCD	8.00	3.67	2.35	1.33	1.19	1.18	1.82
5	17	POMONA APCD	34.20	30.80	15.20	8.74	5.58	6.20	7.06
6	14	FEATHERLY PARK	16.50	16.60	8.78	5.75	3.69	4.32	4.40
7	16	AZUSA APCD	52.20	41.30	14.10	10.50	6.46		4.53
8	20	RIVERSIDE F.S. 8	45.60	31.90	6.17	10.90	7.00	13.70	7.21
9	21	RIVERSIDE CENTRAL F.S	62.70	36.60	45.10	21.90	6.33	6.89	7.21

CONCENTRATION OF NO3 DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	11.50	9.22	7.14	9.04	27.00	24.60	17.30
1	2	ANAHEIM F.S. 2	9.98	7.83	6.21	9.84	22.70	27.30	16.20
2	3	PALM HARBOR MED. CTR.	7.08	6.55	5.87	10.50	19.40	17.00	11.70
3	8	FULLERTON F.S. 5	11.40	10.20	7.93	9.43	18.10	13.90	18.00
4	5	WHITTIER APCD	11.50	11.60	10.50	13.70	19.10	18.80	23.60
5	17	POMONA APCD						12.90	12.10
6	14	FEATHERLY PARK			9.16	8.12	6.78	6.51	5.22
8	20	RIVERSIDE F.S. 8	15.30	16.00	13.70	10.60	11.30	13.20	10.70
9	21	RIVERSIDE CENTRAL F.S	11.00	13.20		10.50			

CONCENTRATION OF NO3 DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.98	7.26	4.68	13.40	13.20	11.10	15.10
1	2	ANAHEIM F.S. 2	2.05	6.39	3.86	13.50	11.40	7.33	10.40
2	3	PALM HARBOR MED. CTR.	4.50	4.99	7.60	9.70	8.96	10.30	10.60
3	8	FULLERTON F.S. 5	1.79	7.90	4.46	11.40	15.10	17.90	17.40
4	5	WHITTIER APCD	3.83	4.95	9.09	11.20	10.10	12.40	13.10
5	17	POMONA APCD	13.80	5.99	6.93	12.10	12.00	12.60	14.40
6	14	FEATHERLY PARK	3.18	2.97	5.50	5.76	7.20	7.21	8.35
7	16	AZUSA APCD	8.42	2.55	4.54	6.30	9.84		9.27
8	20	RIVERSIDE F.S. 8	2.60	3.06	10.00	3.54	15.70	11.50	13.50
9	21	RIVERSIDE CENTRAL F.S	2.33	1.69		4.67			13.10

CONCENTRATION OF NA — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .83	1.88	2.01	4.31	3.63	6.00	7.44	7.79
2	4	SALINAS F.S. 5	1.65	1.12	3.01	4.57	7.00	13.80	9.58	17.60
3	2	GARIN CO.	.97	1.57	7.72	8.83	8.82	13.00	19.30	15.80
4	6	FORT ORD	.80	1.29	4.51	7.98	4.58	12.20	16.10	15.00
5	17	HOLLISTER APCD	4.19	.88	1.33	2.73	4.55	4.14	4.22	2.64
6	16	VERTICARE	1.13	1.87	3.08	2.69	4.47	3.83	6.18	9.28
7	15	YODER BROTHERS	2.54	2.43	3.53	4.88	6.18	6.50	14.90	13.80
8	14	YOUTH SCI. CTR.	.41	2.29						
9	18	GONZALES H.S.	.98	1.29	2.14	3.26	3.35	3.30	11.10	12.50

CONCENTRATION OF NA — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	2.09	2.46	1.35	5.54	6.58
2	4	SALINAS F.S. 5	5.19	1.85	2.02	9.29	8.97
3	2	GARIN CO.	12.60	5.88	4.38	14.60	12.60
4	6	FORT ORD	17.10	8.83	5.99	17.10	17.40
5	17	HOLLISTER APCD	2.41	2.47	2.13	3.45	4.49
6	16	VERTICARE	5.87	6.72	4.05	5.97	6.51
7	15	YODER BROTHERS	4.74	6.81	5.46	8.08	9.51
8	14	YOUTH SCI. CTR.	6.24	5.90	5.52	12.20	15.50
9	18	GONZALES H.S.	4.79	4.15	3.25	5.51	6.83

CONCENTRATION OF NA — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	2.03	< 1.14	.77	2.25	.91
1	5	ANDERSON RANCH	.82	.80	.51	1.68	2.10
2	4	SALINAS F.S. 5	< .72	.90	1.35	2.80	2.70
3	2	GARIN CO.	.87		.89	1.38	3.10
4	6	FORT ORD	< .85	1.18	1.64	4.34	< .79
5	17	HOLLISTER APCD	.81	< .78	1.02	.54	1.16
6	16	VERTICARE	.77	.82	.85	.76	3.02
7	15	YODER BROTHERS	1.38	1.08	1.44	< .93	3.61
8	14	YOUTH SCI. CTR.	2.53	.93	.98	1.64	3.83
9	18	GONZALES H.S.	.94	.83	< .88	< .91	2.34

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CONCENTRATION OF NA DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.43	3.91	4.18	4.85	4.41	6.02	6.22
1	2	ANAHEIM F.S. 2	2.86	2.53	4.43	5.80	5.48	6.15	7.81
2	3	PALM HARBOR MED. CTR.	3.21	3.42	3.78	4.63	6.32	6.38	6.04
3	8	FULLERTON F.S. 5	3.09	6.60	3.00	6.15	5.90	5.63	5.91
4	7	ORANGE F.S. 3	2.73	3.30	3.32	4.31	5.73	6.74	6.41
5	9	ANAHEIM F.S. 8	2.86	3.32	6.57	6.01	5.43	5.22	7.03
6	14	FEATHERLY PARK	1.98	2.39	2.70	4.74	4.08	6.35	6.19
7	19	CORONA FOREST F.S.	2.66	4.84	5.39	3.06	3.62	< .67	5.05
8	20	RIVERSIDE F.S. 8	2.19	2.38	4.53	3.72	4.46	3.64	
9	21	RIVERSIDE CENTRAL F.S	3.02	< 1.01	3.08	4.88	3.59	3.29	5.43

CONCENTRATION OF NA DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.06	3.17	1.89	3.61	3.84	3.42	2.53
1	2	ANAHEIM F.S. 2	2.66	3.15	3.38	2.93	3.92	5.39	3.51
2	3	PALM HARBOR MED. CTR.		3.56	4.95		5.71	6.10	5.20
3	8	FULLERTON F.S. 5	2.65	< .23	.93	1.59	1.06	2.82	2.59
4	7	ORANGE F.S. 3	3.92	3.30	.75	1.14	1.14	.81	< .66
5	9	ANAHEIM F.S. 8	.45	< .75	< .77	.53	2.96	4.46	2.31
6	14	FEATHERLY PARK	1.56	2.22	1.93	1.98	3.11	2.84	3.27
7	19	CORONA FOREST F.S.	< .82	< .78	< .83	< .81	.81	< .61	< .87
8	20	RIVERSIDE F.S. 8	< 1.11	< 1.14	.54	< 1.19	2.03	1.87	1.01
9	21	RIVERSIDE CENTRAL F.S	2.29	1.39	1.04	1.39	1.44	< 1.05	1.21

CONCENTRATION OF NA DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.33	3.89	1.71	1.70	3.63	< 1.84	.50
1	2	ANAHEIM F.S. 2	3.05	5.88	2.22	2.61	1.44	< 1.02	< 1.04
2	3	PALM HARBOR MED. CTR.	.53	1.11	< 1.19	< .95	< .96	< .90	< 1.05
3	8	FULLERTON F.S. 5	1.96			1.31	4.03	3.31	1.72
5	9	ANAHEIM F.S. 8	1.26	2.98	.87	2.82	< 1.04	5.01	4.99
6	14	FEATHERLY PARK	< 1.38	3.17	1.21	3.39	3.73	3.45	2.61
7	19	CORONA FOREST F.S.	5.33	1.14	3.19	1.82	3.01	< .74	3.37
8	20	RIVERSIDE F.S. 8	< 1.02	< 1.04	2.88	1.26	1.23	1.70	2.83
9	21	RIVERSIDE CENTRAL F.S	< 1.08	< .91	.67	2.50	1.56	< 1.08	1.19

CONCENTRATION OF NA DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.60	< 1.03	< .96	.40	1.41	.85	.64
1	2	ANAHEIM F.S. 2		.45	.43	< .94	< .94	.60	.91
2	3	PALM HARBOR MED. CTR.		.65	.61	< .95	< .95	.84	.55
3	8	FULLERTON F.S. 5	.61	< 1.22	< 1.06	.61	.67	< 1.02	.98
4	5	WHITTIER APCD	< .91	< .95	< .93	.61	< .86	< .87	.50
5	17	POMONA APCD	.43	.49	< .94	< .96	.51	1.77	1.47
6	14	FEATHERLY PARK	.55	.79	.72	.51	.62	.46	.73
7	16	AZUSA APCD	.87	.63	.63	< .93	.46		.99
8	20	RIVERSIDE F.S. 8	1.09	< 1.14	< .86	< 1.08	< .93	< 1.01	< 1.01
9	21	RIVERSIDE CENTRAL F.S	< 1.41	< 1.02	< 1.05	< 1.09	.63	.82	< 1.08

CONCENTRATION OF NA DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< 1.00	4.58	4.42	4.25	1.84	1.77	< 1.20
1	2	ANAHEIM F.S. 2	6.63	5.17	4.92	8.03	3.98	5.19	4.16
2	3	PALM HARBOR MED. CTR.	2.26	2.67	3.90	2.26	1.73	1.28	1.88
3	8	FULLERTON F.S. 5	4.46	4.69	4.12	4.30	2.84	1.49	< 1.13
4	5	WHITTIER APCD	2.33	2.15	2.04	1.88	2.29	2.15	1.41
5	17	POMONA APCD						3.21	2.03
6	14	FEATHERLY PARK			2.72	2.37	2.05	< .70	< .70
8	20	RIVERSIDE F.S. 8	< 1.02	.72	1.19	3.50	2.79	1.31	1.69
9	21	RIVERSIDE CENTRAL F.S	< .96	.55		3.43			2.07

CONCENTRATION OF NA DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .86	< .90	1.03	1.81	< 1.22	2.62	3.32
1	2	ANAHEIM F.S. 2	< 1.02	< 1.02	1.42	2.61	1.84	< 1.21	< 1.22
2	3	PALM HARBOR MED. CTR.	< .95	< .89	.61	4.71	2.99	3.01	4.18
3	8	FULLERTON F.S. 5	< .96	< 1.10	< 1.21	< 1.13	1.80	1.82	5.31
4	5	WHITTIER APCD	< .85	< .97	1.45	< .98	< 1.12	< 1.03	3.34
5	17	POMONA APCD	< .85	< .86	< .80	1.77	1.30	2.22	1.07
6	14	FEATHERLY PARK	< .86	< .88	1.04	1.41	1.18	1.16	.72
7	16	AZUSA APCD	1.44	< 1.05	.70	.87	1.08		< .72
8	20	RIVERSIDE F.S. 8	< 1.20	1.44	2.44	.76	3.69	2.86	< .95
9	21	RIVERSIDE CENTRAL F.S	< .88	< .79		.97			< 1.13

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CONCENTRATION OF MG — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	1.47	< .49	< .42	< .46	< .46	< .51	< .42	< .53
2	4	SALINAS F.S. 5	< .42	< .44	< .38	< .42	< .42	< .44	< .46	< .46
3	2	GARIN CO.	< .61	< .79	< .59	< .60	< .60	< .63	< .63	< .67
4	6	FORT ORD	< .46	< .44	< .47	< .48	< .44	< .42	< .45	< .46
5	17	HOLLISTER APCD	< .38	< .38	< .40	< .43	< .45	< .42	< .44	< .38
6	16	VERTICARE	< .42	< .43	< .46	< .43	< .44	< .43	< .42	< .47
7	15	YODER BROTHERS	< .44	< .42	< .38	< .39	< .42	< .45	< .43	< .43
8	14	YOUTH SCI. CTR.	< .39	< .41						
9	18	GONZALES H.S.	< .47	< .46	< .41	< .46	< .42	< .40	< .45	< .48

CONCENTRATION OF MG — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.75	< .45	< .44	< .44	< .40
2	4	SALINAS F.S. 5	< .36	< .41	< .41	< .43	< .37
3	2	GARIN CO.	< .78	< .76	< .73	< .72	< .71
4	6	FORT ORD	< .49	< .42	< .45	< .46	< .46
5	17	HOLLISTER APCD	< .43	< .45	< .47	< .45	< .38
6	16	VERTICARE	< .40	< .44	< .38	< .39	< .41
7	15	YODER BROTHERS	< .44	< .42	< .50	< .51	< .47
8	14	YOUTH SCI. CTR.	< .50	< .49	< .51	< .48	< .49
9	18	GONZALES H.S.	< .46	< .44	< .38	< .43	< .38

CONCENTRATION OF MG — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .54	< .56	< .51	< .58	< .51
1	5	ANDERSON RANCH	< .35	< .38	< .44	< .46	< .42
2	4	SALINAS F.S. 5	< .35	< .37	< .42	< .37	< .41
3	2	GARIN CO.	.23		.94	< .42	< .49
4	6	FORT ORD	< .42	< .45	< .42	< .52	< .39
5	17	HOLLISTER APCD	< .41	< .38	< .42	< .39	< .38
6	16	VERTICARE	< .40	< .42	< .41	< .39	< .42
7	15	YODER BROTHERS	< .48	< .43	< .45	< .45	< .45
8	14	YOUTH SCI. CTR.	< .41	.47	< .47	< .41	< .42
9	18	GONZALES H.S.	< .45	< .47	< .43	< .44	< .39

CONCENTRATION OF MG DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .51	< .48	< .50	< .50	< .42	< .45	< .48
1	2	ANAHEIM F.S. 2	< .52	< .51	< .48	< .46	< .42	< .43	< .43
2	3	PALM HARBOR MED. CTR.	< .45	< .45	< .46	< .43	< .43	< .43	< .46
3	8	FULLERTON F.S. 5	< .46	< .58	< .54	< .47	< .45	< .41	< .48
4	7	ORANGE F.S. 3	< .47	< .42	< .46	< .43	< .43	< .38	< .39
5	9	ANAHEIM F.S. 8	< .47	< .51	< .49	< .43	< .44	< .43	< .42
6	14	FEATHERLY PARK	< .43	< .46	< .47	< .50	< .44	< .43	< .40
7	19	CORONA FOREST F.S.	< .42	< .43	< .56	< .41	< .44	< .33	< .42
8	20	RIVERSIDE F.S. 8	< .52	< .48	< .38	< .50	< .44	< .42	
9	21	RIVERSIDE CENTRAL F.S	< .48	1.79	< .50	< .55	< .55	< .50	< .49

CONCENTRATION OF MG DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .54	< .57	< .55	< .54	< .50	< .49	< .52
1	2	ANAHEIM F.S. 2	< .50	< .49	< .50	< .48	< .44	< .47	< .49
2	3	PALM HARBOR MED. CTR.		< .44	< .50		< .47	< .41	< .46
3	8	FULLERTON F.S. 5	< .60	< .09	< .47	< .46	< .44	< .44	< .47
4	7	ORANGE F.S. 3	< .42	< .39	< .38	< .36	< .37	< .36	< .32
5	9	ANAHEIM F.S. 8	< .35	< .36	< .37	< .37	< .42	< .38	< .42
6	14	FEATHERLY PARK	< .41	< .42	< .44	< .48	< .43	< .43	< .44
7	19	CORONA FOREST F.S.	< .39	< .38	< .39	< .39	< .40	< .30	< .41
8	20	RIVERSIDE F.S. 8	< .53	< .54	< .41	< .56	< .49	< .40	< .51
9	21	RIVERSIDE CENTRAL F.S	< .57	< .51	< .51	< .54	< .52	< .50	< .50

CONCENTRATION OF MG DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .49	< .46	< .47	< .47	< .46	< .87	< .47
1	2	ANAHEIM F.S. 2	< .50	< .43	< .48	< .52	< .46	< .48	< .50
2	3	PALM HARBOR MED. CTR.	< .59	< .50	< .58	< .45	< .45	< .43	< .50
3	8	FULLERTON F.S. 5	< .54			< .59	< .44	< .45	< .44
5	9	ANAHEIM F.S. 8	< .49	< .52	< .46	< .44	< .48	< .47	< .50
6	14	FEATHERLY PARK	< .65	< .47	.36	< .50	< .48	< .48	< .47
7	19	CORONA FOREST F.S.	< .54	< .49	< .48	< .47	< .56	< .36	< .49
8	20	RIVERSIDE F.S. 8	< .49	< .51	< .44	< .53	< .48	< .45	< .52
9	21	RIVERSIDE CENTRAL F.S	< .51	< .44	< .47	< .48	< .54	< .50	< .44

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CONCENTRATION OF MG DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .56	< .49	< .46	< .47	< .47	< .47	< .49
1	2	ANAHEIM F.S. 2		< .46	< .43	< .45	< .45	< .49	< .47
2	3	PALM HARBOR MED. CTR.		< .42	< .43	< .46	< .46	< .46	< .48
3	8	FULLERTON F.S. 5	< .54	< .58	< .50	< .53	< .52	< .49	< .54
4	5	WHITTIER APCD	< .43	< .46	< .45	< .45	< .42	< .42	< .44
5	17	POMONA APCD	< .61	< .48	< .45	< .46	< .43	< .50	< .52
6	14	FEATHERLY PARK	< .42	< .45	< .46	< .49	< .42	< .39	< .46
7	16	AZUSA APCD	< .46	< .57	< .48	< .44	< .48		< .49
8	20	RIVERSIDE F.S. 8	< .52	< .54	< .41	< .51	< .44	< .47	< .47
9	21	RIVERSIDE CENTRAL F.S	< .64	< .48	< .49	< .51	< .48	< .51	< .51

CONCENTRATION OF MG DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .48	< .47	< .48	< .49	< .51	< .62	< .56
1	2	ANAHEIM F.S. 2	< .48	< .47	< .45	< .50	< .51	< .54	< .57
2	3	PALM HARBOR MED. CTR.	< .42	< .43	< .51	< .45	< .49	< .45	< .49
3	8	FULLERTON F.S. 5	< .52	< .49	< .47	< .52	< .55	< .50	< .54
4	5	WHITTIER APCD	< .46	< .36	< .45	< .45	< .48	< .50	< .49
5	17	POMONA APCD						< .56	< .47
6	14	FEATHERLY PARK			< .45	< .47	< .47	< .35	< .35
8	20	RIVERSIDE F.S. 8	< .49	< .44	< .41	< .50	< .48	< .44	< .51
9	21	RIVERSIDE CENTRAL F.S	< .47	< .44		< .47			< .53

CONCENTRATION OF MG DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.29	< .43	< .45	< .56	< .55	< .59	< .60
1	2	ANAHEIM F.S. 2	< .49	< .48	< .50	< .53	< .52	< .55	< .56
2	3	PALM HARBOR MED. CTR.	< .45	< .42	< .46	< .52	< .48	< .46	< .53
3	8	FULLERTON F.S. 5	< .46	< .52	< .57	< .53	< .57	< .51	< .57
4	5	WHITTIER APCD	< .41	< .46	< .46	< .46	< .50	< .47	< .49
5	17	POMONA APCD	< .40	< .41	< .38	< .38	< .42	< .41	< .44
6	14	FEATHERLY PARK	< .41	< .42	< .44	< .41	< .45	< .42	< .46
7	16	AZUSA APCD	< .47	< .50	.68	< .38	< .40		< .35
8	20	RIVERSIDE F.S. 8	< .57	< .40	< .35	< .38	< .38	< .36	< .44
9	21	RIVERSIDE CENTRAL F.S	< .42	< .38		< .42			.91

CONCENTRATION OF AL — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.60	.85	.29	< .36	1.32	.98	< .33	< .41
2	4	SALINAS F.S. 5	.80	1.26	.86	< .32	< .32	< .34	< .35	< .35
3	2	GARIN CO.	1.43	< .61	.90	2.11	< .46	< .48	< .48	< .51
4	6	FORT ORD	< .36	.66	1.46	< .37	< .34	< .32	< .34	< .35
5	17	HOLLISTER APCD	2.18	.56	1.50	< .34	.82	1.25	< .35	< .30
6	16	VERTICARE	.78	2.16	2.76	2.18	1.43	1.34	< .32	< .36
7	15	YODER BROTHERS	1.95	2.46	2.88	2.41	1.16	1.63	< .32	< .32
8	14	YOUTH SCI. CTR.	< .31	.96						
9	18	GONZALES H.S.	.61	.76	2.01	.78	.83	1.13	< .35	< .36

CONCENTRATION OF AL — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.70	.90	< .34	< .34	< .31
2	4	SALINAS F.S. 5	.94	2.19	1.64	< .33	< .29
3	2	GARIN CO.	1.36	< .59	.90	.63	< .55
4	6	FORT ORD	1.94	.92	< .35	< .35	< .35
5	17	HOLLISTER APCD	1.13	1.81	3.85	< .34	< .30
6	16	VERTICARE	2.12	3.70	1.82	1.75	< .31
7	15	YODER BROTHERS	2.23	3.09	2.81	1.18	< .36
8	14	YOUTH SCI. CTR.	1.76	1.42	.90	< .37	< .37
9	18	GONZALES H.S.	3.81	2.92	3.07	2.73	< .29

CONCENTRATION OF AL — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .42	< .44	< .40		< .40
1	5	ANDERSON RANCH	< .28	.53	< .34	< .36	< .33
2	4	SALINAS F.S. 5	< .28	< .29		< .29	< .32
3	2	GARIN CO.	< .37		< .37	< .33	< .38
4	6	FORT ORD	< .33	.68	< .33	< .41	< .31
5	17	HOLLISTER APCD	.31	< .30	.97	< .30	< .30
6	16	VERTICARE	< .31	.54	< .32	.39	.60
7	15	YODER BROTHERS	1.39	< .33	.85	.43	< .35
8	14	YOUTH SCI. CTR.	< .32	.71	< .37	< .32	< .33
9	18	GONZALES H.S.	< .35	< .37	< .34	< .34	< .31

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CONCENTRATION OF AL DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.62	< .36	.40		< .33	< .35	< .37
1	2	ANAHEIM F.S. 2	.61	< .38	.85	.37	< .32	< .33	< .33
2	3	PALM HARBOR MED. CTR.	1.10	.56	< .35	.41	< .33	< .33	< .35
3	8	FULLERTON F.S. 5	1.02	1.31	1.40	1.07	< .34	.83	1.10
4	7	ORANGE F.S. 3	.85	.50	.76	.97	.33	< .29	< .30
5	9	ANAHEIM F.S. 8	1.79	1.44	3.26	2.03	1.38	< .33	< .32
6	14	FEATHERLY PARK	.61	.88	1.50	1.05	< .33	< .33	< .31
7	19	CORONA FOREST F.S.	1.67	2.07	5.89	1.42	1.06	< .26	.53
8	20	RIVERSIDE F.S. 8	.96	1.62	1.00	1.74	1.37	2.13	
9	21	RIVERSIDE CENTRAL F.S	2.78	1.52	4.02	2.31	2.38	1.16	.53

CONCENTRATION OF AL DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .42	.43	.72	< .41	< .39	< .38	< .39
1	2	ANAHEIM F.S. 2	< .38	< .38	< .38	< .37	< .33	< .36	< .38
2	3	PALM HARBOR MED. CTR.		< .34	.92		.38	.54	< .36
3	8	FULLERTON F.S. 5	< .46	< .05	< .36	< .36	< .34	< .34	< .37
4	7	ORANGE F.S. 3	2.35	1.02	< .29	< .28	< .28	< .28	< .25
5	9	ANAHEIM F.S. 8	< .27	< .28	< .28	< .29	.41	.55	< .32
6	14	FEATHERLY PARK	< .31	.33	< .33	< .36	< .33	< .33	< .33
7	19	CORONA FOREST F.S.	< .30	< .29	< .30	< .30	< .31	< .24	< .32
8	20	RIVERSIDE F.S. 8	< .41	< .41	.66	< .43	.91	.77	.65
9	21	RIVERSIDE CENTRAL F.S	.88	.63	1.38	1.88	1.03	.39	< .38

CONCENTRATION OF AL DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.33	.70	.48	< .36	< .36	< .68	< .37
1	2	ANAHEIM F.S. 2	1.65	1.28	1.04	< .40	< .35	< .37	< .38
2	3	PALM HARBOR MED. CTR.	1.00	< .39	.26	.61	.60	< .33	< .39
3	8	FULLERTON F.S. 5	< .42			.47	1.11	< .35	< .34
5	9	ANAHEIM F.S. 8	.83	1.32	.62	.73	1.16	.96	.78
6	14	FEATHERLY PARK	< .50	.67	.47	.64	1.11	1.85	.76
7	19	CORONA FOREST F.S.	3.50	.76	1.82	1.39	3.64	< .29	4.04
8	20	RIVERSIDE F.S. 8	1.10	< .40	1.39	.53	1.56	1.31	5.52
9	21	RIVERSIDE CENTRAL F.S	1.39	.29	1.13	1.23	1.78	.55	.49

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CONCENTRATION OF AL DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .43	< .38	< .36	< .37	< .37	< .37	< .38
1	2	ANAHEIM F.S. 2		< .36	< .34	< .35	< .35	< .38	< .37
2	3	PALM HARBOR MED. CTR.		< .33	< .33	< .36	< .36	< .35	< .37
3	8	FULLERTON F.S. 5	< .41	< .45	< .39	< .42	< .41	< .38	< .42
4	5	WHITTIER APCD	< .34	< .36	< .35	< .35	< .33	< .33	< .35
5	17	POMONA APCD	< .48	< .37	< .35	.68	.34	< .39	< .40
6	14	FEATHERLY PARK	< .33	.90	.38	< .39	< .33	< .31	< .37
7	16	AZUSA APCD	.94	1.08	1.03	.42	< .38		< .38
8	20	RIVERSIDE F.S. 8	.44	.93	< .32	1.13	.58	1.09	1.22
9	21	RIVERSIDE CENTRAL F.S	2.92	1.39	1.13	1.36	< .37	< .40	.56

CONCENTRATION OF AL DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .38	< .36	< .38	< .38	< .39	< .47	< .43
1	2	ANAHEIM F.S. 2	< .37	< .37	< .35	< .38	< .39	< .41	< .43
2	3	PALM HARBOR MED. CTR.	< .33	< .34	< .40	< .35	< .38	< .35	< .38
3	8	FULLERTON F.S. 5	< .40	< .38	< .37	< .40	< .43	< .38	< .41
4	5	WHITTIER APCD	< .36	< .28	< .35	< .35	< .37	< .38	< .38
5	17	POMONA APCD						< .43	< .36
6	14	FEATHERLY PARK			< .35	< .37	< .37	< .27	< .27
8	20	RIVERSIDE F.S. 8	< .39	< .34	< .32	< .39	< .37	< .34	< .39
9	21	RIVERSIDE CENTRAL F.S	< .37	< .34		< .37			< .41

CONCENTRATION OF AL DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .32	.57	.42	.45	1.79	< .44	1.01
1	2	ANAHEIM F.S. 2	< .38	< .38	< .39	.49	< .40	< .41	< .43
2	3	PALM HARBOR MED. CTR.	< .35	< .33	< .35	1.23	< .37	.83	< .41
3	8	FULLERTON F.S. 5	< .36	< .41	< .45	1.15	.85	< .39	< .44
4	5	WHITTIER APCD	< .32	< .36	< .36	.97	< .38	< .36	< .37
5	17	POMONA APCD	< .31			.76	.38	.52	< .34
6	14	FEATHERLY PARK	.42		1.51	.59			< .36
7	16	AZUSA APCD	.48	.	.40	1.18			< .27
8	20	RIVERSIDE F.S. 8	< .45	< .31	< .27	< .30	2.01		2.29
9	21	RIVERSIDE CENTRAL F.S	< .33	< .29		1.19			.90

CONCENTRATION OF SI — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	2.36	3.54	1.25	1.03	3.23	2.77	1.52	.42
2	4	SALINAS F.S. 5	3.31	3.86	2.70	1.87	1.80	.36	.39	.22
3	2	GARIN CO.	5.02	2.91	4.16	5.48	1.70	.30	< .43	1.91
4	6	FORT ORD	1.09	3.09	4.23	1.26	.80	.92	.59	.57
5	17	HOLLISTER APCD	4.50	2.39	4.89	2.19	2.20	2.12	1.40	1.77
6	16	VERTICARE	2.39	6.27	8.32	6.12	4.26	4.08	2.47	1.46
7	15	YODER BROTHERS	5.67	7.04	6.88	4.50	3.46	3.55	1.85	3.22
8	14	YOUTH SCI. CTR.	1.32	3.19						
9	18	GONZALES H.S.	1.97	3.50	4.42	3.40	3.33	4.13	1.48	1.31

CONCENTRATION OF SI — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	2.95	1.91	1.20	.52	.35
2	4	SALINAS F.S. 5	2.52	5.69	4.53	.37	.77
3	2	GARIN CO.	6.08	2.33	2.56	1.21	< .49
4	6	FORT ORD	5.34	2.84	1.88	.70	.99
5	17	HOLLISTER APCD	4.01	6.31	12.40	3.88	.44
6	16	VERTICARE	6.25	8.98	6.29	4.99	2.73
7	15	YODER BROTHERS	7.75	8.75	10.70	4.89	.64
8	14	YOUTH SCI. CTR.	4.64	5.25	3.46	1.96	.97
9	18	GONZALES H.S.	7.91	8.32	8.05	5.68	1.71

CONCENTRATION OF SI — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.24	.24	.36		.66
1	5	ANDERSON RANCH	.37	1.17	.19	< .32	.27
2	4	SALINAS F.S. 5	.44	.63		.26	< .29
3	2	GARIN CO.	1.35		1.36	1.09	.82
4	6	FORT ORD	.38	1.89	1.14	.59	< .28
5	17	HOLLISTER APCD	1.29	1.42	3.33	1.28	.21
6	16	VERTICARE	1.33	1.77	2.20	1.82	2.39
7	15	YODER BROTHERS	5.58	2.93	3.35	1.82	.98
8	14	YOUTH SCI. CTR.	1.66	1.85	3.24	.81	.51
9	18	GONZALES H.S.	1.51	1.44	1.55	2.96	.76

CONCENTRATION OF SI DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.18	2.36	2.40	2.21	1.24	.55	.48
1	2	ANAHEIM F.S. 2	3.66	2.65	3.00	2.96	1.65	1.04	.63
2	3	PALM HARBOR MED. CTR.	3.74	3.05	3.13	1.82	1.23	.97	.95
3	8	FULLERTON F.S. 5	2.69	5.72	5.58	3.90	1.94	3.40	2.50
4	7	ORANGE F.S. 3	3.67	3.31	3.61	2.25	1.92	.66	.73
5	9	ANAHEIM F.S. 8	5.16	6.38	9.28	6.54	4.21	1.29	1.95
6	14	FEATHERLY PARK	3.07	4.51	5.39	3.32	2.38	1.20	1.42
7	19	CORONA FOREST F.S.	4.85	6.24	16.00	4.61	3.91	< .23	2.17
8	20	RIVERSIDE F.S. 8	4.97	5.30	4.87	6.01	4.45	6.50	
9	21	RIVERSIDE CENTRAL F.S	6.63	6.54	10.50	7.58	4.52	4.20	2.81

CONCENTRATION OF SI DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.38	2.96	3.48	1.82	1.12	1.31	1.75
1	2	ANAHEIM F.S. 2	.89	2.29	2.90	1.86	1.49	1.50	1.71
2	3	PALM HARBOR MED. CTR.		1.76	2.81		1.17	1.74	1.67
3	8	FULLERTON F.S. 5	2.68	< .04	1.50	.83	.32	1.67	1.71
4	7	ORANGE F.S. 3	3.84	2.76	< .26	.36	.12	.16	< .22
5	9	ANAHEIM F.S. 8	< .24	< .24	.38	.16	3.07	2.23	1.57
6	14	FEATHERLY PARK	1.78	2.15	2.84	3.03	2.44	1.45	1.90
7	19	CORONA FOREST F.S.	1.09	< .26	1.31	.87	1.02	< .21	1.09
8	20	RIVERSIDE F.S. 8	1.74	2.08	4.60	4.02	5.36	4.83	4.20
9	21	RIVERSIDE CENTRAL F.S	4.62	4.20	5.81	6.96	5.66	3.02	2.54

CONCENTRATION OF SI DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.75	3.41	2.30	2.46	2.28	.35	1.25
1	2	ANAHEIM F.S. 2	5.37	4.95	3.11	3.41	2.67	1.56	1.44
2	3	PALM HARBOR MED. CTR.	6.09	2.45	.77	2.20	2.65	1.44	< .35
3	8	FULLERTON F.S. 5	2.55			1.97	4.80	2.32	2.37
5	9	ANAHEIM F.S. 8	4.81	5.37	2.11	2.84	4.77	3.70	4.19
6	14	FEATHERLY PARK	.89	3.00	2.09	3.07	4.99	5.35	3.66
7	19	CORONA FOREST F.S.	11.20	3.73	5.59	5.56	10.30	< .26	10.20
8	20	RIVERSIDE F.S. 8	3.84	1.42	6.30	3.00	5.22	4.80	15.60
9	21	RIVERSIDE CENTRAL F.S	5.26	1.12	4.14	4.19	6.46	4.05	3.30

CONCENTRATION OF SI DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.70	2.12	1.23	.75	2.03	.45	1.39
1	2	ANAHEIM F.S. 2		1.79	1.51	.81	1.01	< .34	.72
2	3	PALM HARBOR MED. CTR.		1.42	.35	< .32	< .32	.94	.59
3	8	FULLERTON F.S. 5	2.42	2.77	2.15	1.35	1.91	1.14	.96
4	5	WHITTIER APCD	.23	.32	< .32	.21	< .30	.17	1.76
5	17	POMONA APCD	1.65	1.71	1.27	2.56	1.73	1.17	1.39
6	14	FEATHERLY PARK	.86	3.26	2.67	.66	.76	.58	.80
7	16	AZUSA APCD	5.17	5.41	4.17	1.94	.79		1.55
8	20	RIVERSIDE F.S. 8	2.26	2.42	.26	4.03	1.69	4.97	3.77
9	21	RIVERSIDE CENTRAL F.S	10.40	4.67	4.12	4.52	1.99	2.25	1.80

CONCENTRATION OF SI DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .34	.18	.38	.24	.85	2.38	1.60
1	2	ANAHEIM F.S. 2	.25	< .33	.14	.33	1.15	1.95	1.80
2	3	PALM HARBOR MED. CTR.	< .29	.38	< .36	.16	.93	.91	1.61
3	8	FULLERTON F.S. 5	.81	1.03	1.78	.74	1.73	.56	< .37
4	5	WHITTIER APCD	.26	< .25	< .31	1.19	1.66	.92	.56
5	17	POMONA APCD						.58	1.07
6	14	FEATHERLY PARK			.96	< .33	1.04	< .24	< .24
8	20	RIVERSIDE F.S. 8	.48	.86	.88	.84	< .33	1.23	1.83
9	21	RIVERSIDE CENTRAL F.S	< .33	.21		.60			.86

CONCENTRATION OF SI DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.16	1.72	1.79	2.95	4.56	4.90	4.01
1	2	ANAHEIM F.S. 2	1.12	1.49	1.51	2.97	3.19	3.44	3.93
2	3	PALM HARBOR MED. CTR.	1.27	1.36	1.33	5.38	1.77	2.03	1.90
3	8	FULLERTON F.S. 5	< .32	1.47	1.78	3.62	5.87	3.35	2.74
4	5	WHITTIER APCD	1.30	1.00	3.04	2.94	4.90	3.56	2.36
5	17	POMONA APCD	1.02	.70	.94	2.67	2.80	2.78	1.95
6	14	FEATHERLY PARK	1.60		3.48	2.91	2.72	2.34	
7	16	AZUSA APCD	1.30		2.15	2.88			< .25
8	20	RIVERSIDE F.S. 8	< .41	< .28	3.09	1.15	7.06	3.91	7.73
9	21	RIVERSIDE CENTRAL F.S	.93	.60		3.32			4.12

CONCENTRATION OF S — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	1.01	.72	.62	.68	.63	.67	.64	.48
2	4	SALINAS F.S. 5	1.79	.96	.63	.59	.45	1.12	1.01	1.09
3	2	GARIN CO.	1.59	1.41	.57	.71	.62	< .34	< .34	.90
4	6	FORT ORD	1.15	.61	.46	.60	.46	.59	1.07	.92
5	17	HOLLISTER APCD	1.10	.39	.46	1.10	1.45	.50	.67	.50
6	16	VERTICARE	1.19	.89	.90	.52	.57	.64	.57	.61
7	15	YODER BROTHERS	1.42	1.26	.89	.70	.80	.88	1.03	.88
8	14	YOUTH SCI. CTR.	.34	.41						
9	18	GONZALES H.S.	.79	1.26	.46	.67	.34	.63	.55	.86

CONCENTRATION OF S — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	1.19	.69	1.13	2.81	3.48
2	4	SALINAS F.S. 5	1.80	.88	2.41	3.12	1.85
3	2	GARIN CO.	< .42	.61	1.19	1.89	1.37
4	6	FORT ORD	.80	.78	1.69	1.85	1.80
5	17	HOLLISTER APCD	.41	.42	.38	1.74	1.78
6	16	VERTICARE	1.93	1.28	.80	1.73	3.74
7	15	YODER BROTHERS	1.15	1.17	1.83	2.67	2.10
8	14	YOUTH SCI. CTR.	.57	.76	1.47	1.78	1.81
9	18	GONZALES H.S.	2.23	1.92	1.41	2.96	2.66

CONCENTRATION OF S — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	1.36	< .32	1.95	2.20	1.36
1	5	ANDERSON RANCH	1.12	1.17	1.75	1.44	1.55
2	4	SALINAS F.S. 5	1.07	1.07	1.52	1.63	1.36
3	2	GARIN CO.	.99		1.00	1.53	1.50
4	6	FORT ORD	1.18	1.12	1.45	1.49	< .22
5	17	HOLLISTER APCD	1.05	.99	1.43	1.37	1.38
6	16	VERTICARE	1.07	1.16	1.15	1.44	1.41
7	15	YODER BROTHERS	1.56	.94	1.76	1.40	1.56
8	14	YOUTH SCI. CTR.	1.94	1.38	1.25	1.54	1.38
9	18	GONZALES H.S.	1.81	1.04	.98	1.60	1.43

CONCENTRATION OF S DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	13.20	12.30	8.78	3.30	2.63	2.91	2.99
1	2	ANAHEIM F.S. 2	12.60	12.30	6.59	2.91	2.54	2.83	2.70
2	3	PALM HARBOR MED. CTR.	10.20	10.80	5.64	1.64	1.02	1.27	1.39
3	8	FULLERTON F.S. 5	12.90	15.90	10.40	3.57	2.07	2.61	3.02
4	7	ORANGE F.S. 3	11.30	12.40	9.72	2.60	1.69	1.64	1.72
5	9	ANAHEIM F.S. 8	10.40	11.80	11.10	4.11	1.67	.90	1.65
6	14	FEATHERLY PARK	9.12	11.70	12.00	5.01	2.69	1.85	2.17
7	19	CORONA FOREST F.S.	9.54	10.40	12.70	4.90	2.30	< .19	1.12
8	20	RIVERSIDE F.S. 8	13.80	11.50	6.36	8.75	3.58	6.07	
9	21	RIVERSIDE CENTRAL F.S	14.20	12.60	9.15	8.26	3.43	2.28	1.62

CONCENTRATION OF S DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	8.46	11.40	10.90	8.69	5.11	4.87	4.54
1	2	ANAHEIM F.S. 2	8.87	11.50	10.30	6.65	4.17	5.04	4.07
2	3	PALM HARBOR MED. CTR.		7.47	7.22		4.13	3.24	3.20
3	8	FULLERTON F.S. 5	10.70		7.86	5.44	3.32	3.94	4.51
4	7	ORANGE F.S. 3	8.17	9.27	5.26	3.44	2.33	1.63	1.84
5	9	ANAHEIM F.S. 8	3.65	3.90	4.24	2.74	4.70	4.29	3.76
6	14	FEATHERLY PARK	7.65	8.54	9.23	8.78	5.90	5.00	5.46
7	19	CORONA FOREST F.S.	2.88	4.22	4.69	5.13	3.75	< .17	1.75
8	20	RIVERSIDE F.S. 8	6.74	8.35	5.85	6.80	6.77	6.90	4.71
9	21	RIVERSIDE CENTRAL F.S	11.80	12.40	9.49	9.42	6.93	4.91	5.21

CONCENTRATION OF S DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.91	1.70	2.18	2.26	1.99	1.74	2.92
1	2	ANAHEIM F.S. 2	.53	2.40	1.92	3.01	2.03	2.86	3.25
2	3	PALM HARBOR MED. CTR.	1.55	1.66	1.24	1.97	2.07	2.13	3.16
3	8	FULLERTON F.S. 5	1.32			1.69	2.81	2.73	1.35
5	9	ANAHEIM F.S. 8	1.14	2.07	1.87	1.53	1.64	1.89	2.26
6	14	FEATHERLY PARK	.47	1.83	1.81	2.44	2.31	2.46	2.00
7	19	CORONA FOREST F.S.	.34	.81	1.58	1.34	1.26	< .21	.58
8	20	RIVERSIDE F.S. 8	< .27	< .29	1.40	1.08	1.58	1.48	1.15
9	21	RIVERSIDE CENTRAL F.S	< .27	< .25	.86	1.37	1.06	< .28	< .24

CONCENTRATION OF S DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.81	3.54	1.68	1.74	.98	.54	.75
1	2	ANAHEIM F.S. 2		2.97	.94	1.14	.62	< .27	< .26
2	3	PALM HARBOR MED. CTR.		2.23	.85	.52	.82	.66	< .27
3	8	FULLERTON F.S. 5	2.97	4.00	1.91	.62	.96	.54	.85
4	5	WHITTIER APCD	.68	< .27	.32	.40	.48	< .24	< .25
5	17	POMONA APCD	2.29	2.05	1.00	1.57	1.15	1.07	< .29
6	14	FEATHERLY PARK	2.54	3.19	2.61	1.00	.73	.98	1.03
7	16	AZUSA APCD	2.41	1.63	< .27	.55	< .28		< .28
8	20	RIVERSIDE F.S. 8	2.55	2.19	.31	1.30	.86	1.97	1.27
9	21	RIVERSIDE CENTRAL F.S	2.04	1.30	1.76	1.23	.81	.97	1.40

CONCENTRATION OF S DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.53	.99	1.31	2.19	1.37	< .33	< .30
1	2	ANAHEIM F.S. 2	.89	< .26	1.62	2.55	1.12	1.58	< .30
2	3	PALM HARBOR MED. CTR.	1.05	.60	.26	.62	.94	< .25	< .26
3	8	FULLERTON F.S. 5	.33	.65	1.01	1.08	< .30	< .27	1.16
4	5	WHITTIER APCD	.99	.34	.60	.69	< .26	< .27	1.30
5	17	POMONA APCD						< .30	< .26
6	14	FEATHERLY PARK			.73	< .27	< .26	< .20	< .20
8	20	RIVERSIDE F.S. 8	1.33	1.81	.75	.37	< .27	< .24	< .28
9	21	RIVERSIDE CENTRAL F.S	.75	1.68		.67			.48

CONCENTRATION OF S DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.10	1.30	3.41	1.48	1.76	< .31	1.74
1	2	ANAHEIM F.S. 2	1.23	1.68	3.22	2.99	1.28	< .29	1.68
2	3	PALM HARBOR MED. CTR.	.93	1.32	1.89	2.33	1.91	1.59	1.85
3	8	FULLERTON F.S. 5	.92	1.05	2.38	1.68	2.51	1.70	1.78
4	5	WHITTIER APCD	.94	1.41	1.79	2.18	< .27	< .26	2.02
5	17	POMONA APCD	.72	.68	.68	1.28	.65	< .23	1.02
6	14	FEATHERLY PARK	.70	.74	1.19	1.48	1.53	1.84	1.35
7	16	AZUSA APCD	1.00	.69	1.04	.68	< .23		.52
8	20	RIVERSIDE F.S. 8	< .34	< .23	1.04	1.70	1.77	.96	1.73
9	21	RIVERSIDE CENTRAL F.S	.65	.77		1.37			1.09

CONCENTRATION OF CL DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .22	< .27	< .23	1.39	2.14	5.92	5.63	6.23
2	4	SALINAS F.S. 5	< .22	< .24	< .21	2.66	3.15	13.40	12.00	13.30
3	2	GARIN CO.	< .33	< .44	.91	4.61	5.27	10.60	15.30	13.30
4	6	FORT ORD	< .26	< .25	1.40	4.68	.70	8.03	11.40	10.70
5	17	HOLLISTER APCD	< .21	< .21	< .22	< .24	< .25	< .23	.20	< .21
6	16	VERTICARE	< .23	< .23	< .24	< .23	.92	.20	3.06	6.16
7	15	YODER BROTHERS	< .23	< .22	< .20	.98	.82	2.81	10.70	10.20
8	14	YOUTH SCI. CTR.	< .22	.41						
9	18	GONZALES H.S.	< .26	< .26	< .22	< .25	.41	< .22	7.76	9.31

CONCENTRATION OF CL DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	1.75	1.33	< .25	1.02	< .22
2	4	SALINAS F.S. 5	2.05	.97	< .22	3.41	3.96
3	2	GARIN CO.	5.15	1.50	1.43	7.09	7.51
4	6	FORT ORD	7.34	2.16	1.65	9.02	10.40
5	17	HOLLISTER APCD	< .24	.36	< .24	< .24	.87
6	16	VERTICARE	< .21	1.19	< .21	< .21	.55
7	15	YODER BROTHERS	1.00	1.28	< .26	.78	3.84
8	14	YOUTH SCI. CTR.	1.98	.82	.92	6.33	9.16
9	18	GONZALES H.S.	< .24	< .23	< .20	< .23	1.01

CONCENTRATION OF CL DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .30	< .31	< .29	< .31	< .29
1	5	ANDERSON RANCH	< .20	< .22	< .25	< .26	< .24
2	4	SALINAS F.S. 5	< .20	< .21	< .23	.27	< .23
3	2	GARIN CO.	.20		< .27	< .24	< .27
4	6	FORT ORD	< .24	< .25	< .24	.72	< .22
5	17	HOLLISTER APCD	< .23	< .21	< .23	< .22	< .21
6	16	VERTICARE	< .22	< .23	< .23	< .22	< .23
7	15	YODER BROTHERS	< .26	< .24	< .25	< .25	.59
8	14	YOUTH SCI. CTR.	< .24	< .22	< .26	< .23	.74
9	18	GONZALES H.S.	< .25	< .26	< .24	< .25	< .22

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CONCENTRATION OF CL DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .26	< .25	< .27	< .27	< .23	< .25	< .27
1	2	ANAHEIM F.S. 2	< .26	< .26	< .25	< .25	< .22	< .24	1.29
2	3	PALM HARBOR MED. CTR.	< .23	< .23	< .24	< .23	1.57	1.94	2.19
3	8	FULLERTON F.S. 5	< .25	< .30	< .27	< .25	< .24	< .22	< .26
4	7	ORANGE F.S. 3	< .24	< .22	< .24	< .23	.61	1.33	1.44
5	9	ANAHEIM F.S. 8	< .24	< .26	< .25	< .23	< .24	1.41	1.94
6	14	FEATHERLY PARK	< .22	< .24	< .24	< .26	< .24	< .24	< .22
7	19	CORONA FOREST F.S.	< .22	< .22	< .27	< .22	< .24	< .19	1.71
8	20	RIVERSIDE F.S. 8	< .27	< .25	< .20	< .26	< .24	< .22	
9	21	RIVERSIDE CENTRAL F.S	< .25	< .23	< .25	< .28	.65	.88	1.02

CONCENTRATION OF CL DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .29	< .30	< .29	< .29	< .28	< .27	< .28
1	2	ANAHEIM F.S. 2	< .27	< .26	< .27	< .26	< .24	< .25	< .27
2	3	PALM HARBOR MED. CTR.		< .24	< .28		< .27	< .23	< .26
3	8	FULLERTON F.S. 5	< .32	< .03	< .25	< .25	< .24	< .25	< .26
4	7	ORANGE F.S. 3	< .23	< .21	< .21	< .20	< .20	< .20	< .18
5	9	ANAHEIM F.S. 8	< .19	< .20	< .20	< .20	< .22	< .22	< .23
6	14	FEATHERLY PARK	< .22	< .22	< .23	< .25	< .23	< .23	< .24
7	19	CORONA FOREST F.S.	.94	< .21	< .21	< .21	< .22	< .17	< .23
8	20	RIVERSIDE F.S. 8	< .29	< .29	< .21	< .30	< .26	< .21	< .27
9	21	RIVERSIDE CENTRAL F.S	< .29	< .27	< .26	< .28	< .27	< .27	< .27

CONCENTRATION OF CL DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .27	< .26	< .27	< .26	< .26	< .50	< .26
1	2	ANAHEIM F.S. 2	< .28	< .23	< .26	< .28	< .25	< .26	< .27
2	3	PALM HARBOR MED. CTR.	< .31	1.14	< .34	< .25	< .25	< .24	< .29
3	8	FULLERTON F.S. 5	< .30			< .33	< .24	< .25	< .25
5	9	ANAHEIM F.S. 8	< .26	< .28	< .26	< .25	< .27	< .26	< .28
6	14	FEATHERLY PARK	< .37	< .26	< .25	< .28	< .27	< .26	< .26
7	19	CORONA FOREST F.S.	1.08	< .27	< .26	< .25	< .29	< .21	1.56
8	20	RIVERSIDE F.S. 8	.20	< .28	< .23	< .29	< .26	< .24	.78
9	21	RIVERSIDE CENTRAL F.S	< .27	< .25	< .26	< .26	< .29	< .28	< .24

CONCENTRATION OF CL DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .30	< .27	< .26	< .27	< .27	< .27	< .28
1	2	ANAHEIM F.S. 2		< .25	< .24	.53	1.43	1.40	2.80
2	3	PALM HARBOR MED. CTR.		< .23	< .24	.95	1.50	1.64	2.41
3	8	FULLERTON F.S. 5	< .29	< .32	< .28	< .30	< .30	.63	< .30
4	5	WHITTIER APCD	.19	< .27	< .26	< .26	< .24	.51	.52
5	17	POMONA APCD	< .34	< .26	< .25	< .26	< .25	< .28	2.41
6	14	FEATHERLY PARK	< .23	< .25	< .25	< .28	< .24	< .23	< .27
7	16	AZUSA APCD	< .24	< .31	< .26	< .25	< .28		.84
8	20	RIVERSIDE F.S. 8	< .29	< .30	.89	< .29	< .25	< .26	< .27
9	21	RIVERSIDE CENTRAL F.S	< .34	< .27	< .28	< .28	< .27	< .29	< .29

CONCENTRATION OF CL DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.47	1.23	1.02	1.48	2.54	4.98	5.86
1	2	ANAHEIM F.S. 2	2.30	1.64	< .25	2.05	2.76	3.40	6.44
2	3	PALM HARBOR MED. CTR.	1.78	1.71	1.52	2.16	2.30	3.51	4.99
3	8	FULLERTON F.S. 5	.99	1.07	.85	1.72	4.65	3.76	3.79
4	5	WHITTIER APCD	< .26	< .21	< .25	1.87	2.92	4.26	4.27
5	17	POMONA APCD						3.53	3.03
6	14	FEATHERLY PARK			.55	.92	1.25	< .20	< .20
8	20	RIVERSIDE F.S. 8	< .28	< .24	1.04	1.10	1.12	1.29	2.65
9	21	RIVERSIDE CENTRAL F.S	< .26	< .25		1.21			.99

CONCENTRATION OF CL DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .24	< .24	< .26	< .31	< .30	< .31	< .32
1	2	ANAHEIM F.S. 2	.31	< .28	< .28	< .29	< .29	2.68	< .30
2	3	PALM HARBOR MED. CTR.	.34	< .24	< .26	< .29	< .27	< .25	< .30
3	8	FULLERTON F.S. 5	< .26	< .30	< .32	< .30	< .30	< .28	< .31
4	5	WHITTIER APCD	< .23	< .27	< .26	< .26	2.78	< .26	< .27
5	17	POMONA APCD	< .23	< .24	< .22	< .21	.77	1.21	.83
6	14	FEATHERLY PARK	< .23	< .24	< .25	< .23	< .25	< .24	< .26
7	16	AZUSA APCD	< .27	< .29	< .24	< .21	< .23		< .20
8	20	RIVERSIDE F.S. 8	< .33	< .23	< .19	< .22	< .20	< .20	< .24
9	21	RIVERSIDE CENTRAL F.S	.50	< .22		< .24			1.63

CONCENTRATION OF K — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	1.29	1.09	.27	.36	.50	.44	.44	.24
2	4	SALINAS F.S. 5	5.85	1.41	.26	.31	.28	.31	.24	.28
3	2	GARIN CO.	3.57	< .30	.40	.47	.25	.24	.26	.43
4	6	FORT ORD	1.20	.40	.44	.15	.21	.22	.34	.30
5	17	HOLLISTER APCD	.38	.22	.34	.15	.28	.32	.20	.19
6	16	VERTICARE	1.87	2.58	1.59	.70	.51	.52	.32	.26
7	15	YODER BROTHERS	1.81	1.28	.82	.52	.49	.52	.48	.66
8	14	YOUTH SCI. CTR.	.50	.54						
9	18	GONZALES H.S.	.86	.66	.59	.41	.38	.71	.30	.38

CONCENTRATION OF K — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.51	.20	.18	.21	.14
2	4	SALINAS F.S. 5	.70	.63	.52	.26	.24
3	2	GARIN CO.	.56	.39	< .27	.24	.24
4	6	FORT ORD	.66	.45	.33	.33	.26
5	17	HOLLISTER APCD	.45	.51	.74	.35	.27
6	16	VERTICARE	.98	1.23	.83	.66	.47
7	15	YODER BROTHERS	1.09	1.02	.80	.55	.22
8	14	YOUTH SCI. CTR.	.37	.59	.32	.36	.33
9	18	GONZALES H.S.	1.74	1.00	.97	.76	.38

CONCENTRATION OF K — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.12	< .21	.09	< .22	.30
1	5	ANDERSON RANCH	.42	< .14	< .17	.15	.12
2	4	SALINAS F.S. 5	.10	.10	< .16	.12	< .16
3	2	GARIN CO.	.18		.12	.11	< .18
4	6	FORT ORD	.18	< .17	.24	< .20	.13
5	17	HOLLISTER APCD	< .15	.13	.14	< .14	.09
6	16	VERTICARE	.19	.35	.23	.20	.38
7	15	YODER BROTHERS	.52	.32	.32	.18	.27
8	14	YOUTH SCI. CTR.	.39	.46	.27	.22	.11
9	18	GONZALES H.S.	.22	.16	.19	.24	.15

CONCENTRATION OF K DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.53	.44	.36	.30	.28	.36	.25
1	2	ANAHEIM F.S. 2	.55	.48	.46	.41	.27	.32	.26
2	3	PALM HARBOR MED. CTR.	.44	.51	.44	.37	.30	.23	.32
3	8	FULLERTON F.S. 5	.62	.81	.63	.57	.39	.42	.37
4	7	ORANGE F.S. 3	.59	.48	.50	.40	.48	.32	.38
5	9	ANAHEIM F.S. 8	.80	.78	1.03	.85	.63	.28	.56
6	14	FEATHERLY PARK	.46	.58	.66	.50	.35	.36	.30
7	19	CORONA FOREST F.S.	.69	.78	2.02	.71	.50	< .13	.49
8	20	RIVERSIDE F.S. 8	.70	.95	.81	.81	.77	.86	
9	21	RIVERSIDE CENTRAL F.S	.90	1.36	1.56	.98	.88	.98	.53

CONCENTRATION OF K DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.25	.40	.36	.34	.32	.48	.64
1	2	ANAHEIM F.S. 2	.24	.32	.42	.29	.12	.27	.41
2	3	PALM HARBOR MED. CTR.		.10	.25		.11	.20	.22
3	8	FULLERTON F.S. 5	.36	.12	.68	.69	.59	.11	.40
4	7	ORANGE F.S. 3	.66	.43	.42	.43	.37	.35	.36
5	9	ANAHEIM F.S. 8	.35	.80	.83	.71	.42	.52	.27
6	14	FEATHERLY PARK	.29	.31	.34	.42	.37	.27	.29
7	19	CORONA FOREST F.S.	1.17	.42	.76	.51	.53	< .12	.52
8	20	RIVERSIDE F.S. 8	.61	.64	.75	.57	.75	.75	.88
9	21	RIVERSIDE CENTRAL F.S	1.02	.77	.89	.89	.90	.77	.65

CONCENTRATION OF K DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.89	.63	.35	.44	.48	.31	.50
1	2	ANAHEIM F.S. 2	1.01	.85	.46	.50	.47	.41	.18
2	3	PALM HARBOR MED. CTR.	.93	.52	.46	.43	.62	.50	.15
3	8	FULLERTON F.S. 5	.48			.39	.72	.51	.39
5	9	ANAHEIM F.S. 8	.74	.64	.36	.45	.79	.64	.65
6	14	FEATHERLY PARK	1.04	.43	.31	.41	.71	.84	.55
7	19	CORONA FOREST F.S.	2.11	.68	.52	.77	1.62	< .14	1.92
8	20	RIVERSIDE F.S. 8	.70	.30	.83	.50	.68	.63	1.89
9	21	RIVERSIDE CENTRAL F.S	.81	.21	.53	.68	.95	1.37	.79

CONCENTRATION OF K DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.47	.35	.18	.21	.34	.20	.41
1	2	ANAHEIM F.S. 2		.21	.26	.13	.26	< .18	.24
2	3	PALM HARBOR MED. CTR.		.31	.24	.18	.59	.47	.35
3	8	FULLERTON F.S. 5	.48	.50	.43	.36	.34	.38	.34
4	5	WHITTIER APCD	.30	< .18	< .18	.19	< .17	< .17	< .17
5	17	POMONA APCD	.54	.32	.41	.52	.45	.37	1.39
6	14	FEATHERLY PARK	.18	.32	.39	< .20	.32	.24	.24
7	16	AZUSA APCD	.61	.68	.67	.43	.33		.47
8	20	RIVERSIDE F.S. 8	.93	.68	.75	.67	.45	.73	.64
9	21	RIVERSIDE CENTRAL F.S	2.90	.69	.61	.80	.57	.44	.42

CONCENTRATION OF K DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.27	.27	.14	.16	.32	.65	.38
1	2	ANAHEIM F.S. 2	.27	.08	< .17	.20	.32	.56	.54
2	3	PALM HARBOR MED. CTR.	.26	.20	< .19	.16	.38	.32	.52
3	8	FULLERTON F.S. 5	.11	.23	.19	.29	.43	.14	.26
4	5	WHITTIER APCD	.08	< .14	.16	.27	.32	.43	.46
5	17	POMONA APCD						.28	.44
6	14	FEATHERLY PARK			.20	.12	.13	< .13	.11
8	20	RIVERSIDE F.S. 8	.29	.35	.20	.12	.13	.21	.39
9	21	RIVERSIDE CENTRAL F.S	.11	.27		.16			.20

CONCENTRATION OF K DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.43	.28	.19	.32	.66	.49	.65
1	2	ANAHEIM F.S. 2	.20	.24	< .20	.47	.40	.67	.53
2	3	PALM HARBOR MED. CTR.	.50	.30	.34	.63	.31	.58	.49
3	8	FULLERTON F.S. 5	.14	.20	.29	.38	.57	.58	.30
4	5	WHITTIER APCD	.22	.42	.37	.46	.65	.40	.45
5	17	POMONA APCD	.31	.32	.23	.33	.45	.53	.30
6	14	FEATHERLY PARK	.46	.31	.41	.51	.45	.34	.18
7	16	AZUSA APCD	.33	.19	.33	.30	.35		.17
8	20	RIVERSIDE F.S. 8	.30	.20	.67	.23	.74	.82	1.05
9	21	RIVERSIDE CENTRAL F.S	.52	.22		.45			.51

CONCENTRATION OF CA DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.22	1.01	.27	< .13	.87	2.35	.68	.37
2	4	SALINAS F.S. 5	1.46	2.20	1.04	.46	.43	.30	1.18	.57
3	2	GARIN CO.	1.70	< .24	1.78	.88	.42	.36	.70	.60
4	6	FORT ORD	.69	.34	.39	.93	.15	.25	.61	.27
5	17	HOLLISTER APCD	2.48	.37	.48	.32	.92	.46	.45	.32
6	16	VERTICARE	1.90	1.15	1.41	1.19	.66	.81	.97	.68
7	15	YODER BROTHERS	1.07	1.43	1.36	.88	.75	.89	.61	.78
8	14	YOUTH SCI. CTR.	.29	.92						
9	18	GONZALES H.S.	1.43	.68	1.21	.61	.49	.75	.41	.57

CONCENTRATION OF CA DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	1.82	1.34	.31	.26	.25
2	4	SALINAS F.S. 5	< .11	.55	.40	.19	.25
3	2	GARIN CO.	1.36	.82	3.22	1.46	< .21
4	6	FORT ORD	1.11	1.14	.29	.51	.26
5	17	HOLLISTER APCD	.51	.80	2.14	.57	< .11
6	16	VERTICARE	1.35	1.69	1.21	1.31	.95
7	15	YODER BROTHERS	1.36	1.66	1.75	.91	.28
8	14	YOUTH SCI. CTR.	3.34	1.99	2.37	.64	.48
9	18	GONZALES H.S.	1.56	1.24	1.05	.92	.45

CONCENTRATION OF CA DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.52	1.77	< .15	2.72	1.02
1	5	ANDERSON RANCH	< .11	.98	1.52	.86	.18
2	4	SALINAS F.S. 5	< .10	.83	.65	.50	1.26
3	2	GARIN CO.	1.30		.18	< .12	1.03
4	6	FORT ORD	< .12	1.50	.35	2.57	.05
5	17	HOLLISTER APCD	1.13	.12	1.49	< .12	< .11
6	16	VERTICARE	.61	.57	.51	.52	.65
7	15	YODER BROTHERS	.87	.55	.71	1.22	< .13
8	14	YOUTH SCI. CTR.	< .13	.76	1.24	.35	.24
9	18	GONZALES H.S.	.39	.29	.24	.39	.25

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CONCENTRATION OF CA DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.96	.79	1.90	1.47	.57	.29	.40
1	2	ANAHEIM F.S. 2	1.02	.88	1.90	.75	1.34	.90	.97
2	3	PALM HARBOR MED. CTR.	2.22	1.44	.83	1.74	.51	.93	.59
3	8	FULLERTON F.S. 5	< .13	< .16	2.40	1.72	.84	1.23	2.21
4	7	ORANGE F.S. 3	1.40	1.18	1.66	1.56	1.06	.71	.44
5	9	ANAHEIM F.S. 8	1.37	1.60	2.96	2.62	1.70	.59	.82
6	14	FEATHERLY PARK	.80	1.01	1.27	1.02	.74	.43	.61
7	19	CORONA FOREST F.S.	1.69	1.61	3.31	1.23	3.06	< .10	1.02
8	20	RIVERSIDE F.S. 8	1.09	1.59	1.50	1.45	1.24	3.04	
9	21	RIVERSIDE CENTRAL F.S	2.65	1.57	5.66	5.05	2.65	1.94	2.36

CONCENTRATION OF CA DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.42	< .16	.88	.62	.46	.46	.59
1	2	ANAHEIM F.S. 2	.45	.77	.92	.55	.48	.43	.61
2	3	PALM HARBOR MED. CTR.		.43	.60		.33	.41	.48
3	8	FULLERTON F.S. 5	< .17	< .02	1.36	1.42	1.17	.27	.43
4	7	ORANGE F.S. 3	1.02	< .11	< .12	.93	.64	.67	.52
5	9	ANAHEIM F.S. 8	.68	1.31	1.30	1.13	.70	.65	.47
6	14	FEATHERLY PARK	.42	.48	.61	.82	.58	.34	.48
7	19	CORONA FOREST F.S.	1.67	< .12	2.14	1.12	1.01	< .09	< .12
8	20	RIVERSIDE F.S. 8	.84	1.25	1.50	1.46	1.40	1.58	1.26
9	21	RIVERSIDE CENTRAL F.S	2.55	1.70	2.28	2.40	1.92	1.82	1.25

CONCENTRATION OF CA DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.80	1.26	.94	.98	.82	.55	.74
1	2	ANAHEIM F.S. 2	< .15	< .13	1.10	1.09	.89	.73	.56
2	3	PALM HARBOR MED. CTR.	2.36	1.38	.35	1.21	1.43	.61	< .16
3	8	FULLERTON F.S. 5	1.32			.86	1.39	.92	.86
5	9	ANAHEIM F.S. 8	1.35	1.60	1.05	1.11	1.61	1.78	1.37
6	14	FEATHERLY PARK	2.33	1.19	.86	1.19	1.43	1.49	1.12
7	19	CORONA FOREST F.S.	4.34	1.64	1.47	1.46	< .15	< .11	1.90
8	20	RIVERSIDE F.S. 8	1.80	.54	1.71	.96	1.44	1.31	3.37
9	21	RIVERSIDE CENTRAL F.S	2.35	.63	2.21	1.90	2.49	1.89	3.15

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CONCENTRATION OF CA DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.82	.76	.47	.37	.55	.41	.53
1	2	ANAHEIM F.S. 2		< .13	.56	.40	.44	< .14	.56
2	3	PALM HARBOR MED. CTR.		.74	.61	.47	.90	.65	.58
3	8	FULLERTON F.S. 5	.90	1.07	.95	.70	.62	.71	.64
4	5	WHITTIER APCD	.27	< .15	.23	.34	< .13	< .13	< .14
5	17	POMONA APCD	.89	.88	.73	1.47	.70	.68	1.12
6	14	FEATHERLY PARK	< .12	.74	.83	.42	.28	.31	.37
7	16	AZUSA APCD	2.23	1.69	< .14	.70	.61		.86
8	20	RIVERSIDE F.S. 8	1.54	1.23	1.08	1.19	.62	1.16	1.01
9	21	RIVERSIDE CENTRAL F.S	4.64	2.47	1.91	2.73	1.19	.89	.80

CONCENTRATION OF CA DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.47	.42	.24	.21	.37	.57	.34
1	2	ANAHEIM F.S. 2	.40	< .14	.16	.38	.39	.70	.65
2	3	PALM HARBOR MED. CTR.	.52	.40	< .15	.27	.53	< .13	.64
3	8	FULLERTON F.S. 5	< .15	.46	.50	.65	.77	< .14	.38
4	5	WHITTIER APCD	.33	< .11	.40	.41	< .13	.48	.46
5	17	POMONA APCD						.33	.34
6	14	FEATHERLY PARK			.27	< .14	< .14	< .10	< .10
8	20	RIVERSIDE F.S. 8	.58	.44	.46	< .15	< .14	.35	< .14
9	21	RIVERSIDE CENTRAL F.S	.55	.98		.48			.31

CONCENTRATION OF CA DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.31	.56	.46	.82	1.34	1.17	1.30
1	2	ANAHEIM F.S. 2	.57	.40	.43	.80	1.02	.97	1.13
2	3	PALM HARBOR MED. CTR.	.60	.51	.73	1.71	.60	.83	.70
3	8	FULLERTON F.S. 5	< .14	.57	.78	1.54	2.00	.73	.82
4	5	WHITTIER APCD	.32	.43	.88	.90	1.17	.87	.73
5	17	POMONA APCD	< .12	< .13	< .12	.99	.85	< .12	.86
6	14	FEATHERLY PARK	< .13	< .13	< .13	< .12	< .13	< .13	< .14
7	16	AZUSA APCD	.65	< .16	.50	< .11	< .12		< .11
8	20	RIVERSIDE F.S. 8	< .18	< .13	< .10	< .12	1.55	< .10	< .13
9	21	RIVERSIDE CENTRAL F.S	< .13	.64		< .13			1.17

CONCENTRATION OF V — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.15	< .14	< .12	< .13	< .13	.26	< .12	< .15
2	4	SALINAS F.S. 5	< .12	< .13	< .11	< .12	.06	< .12	< .13	< .12
3	2	GARIN CO.	< .17	< .23	< .17	.14	< .17	.15	< .18	< .18
4	6	FORT ORD	.06	< .13	< .13	< .14	< .13	< .12	< .12	< .13
5	17	HOLLISTER APCD	< .11	< .11	< .12	.11	.29	.29	.10	< .11
6	16	VERTICARE	.18	< .12	< .13	< .12	< .12	< .12	< .12	< .13
7	15	YODER BROTHERS	< .12	< .11	< .10	< .11	< .12	.18	< .11	< .11
8	14	YOUTH SCI. CTR.	< .12	< .12						
9	18	GONZALES H.S.	< .14	< .13	< .12	.15	< .12	< .11	< .13	< .13

CONCENTRATION OF V — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	< .13	.26	.11	< .13	.12
2	4	SALINAS F.S. 5	.21	.22	.12	< .12	.12
3	2	GARIN CO.	< .22	< .22	.25	< .20	.44
4	6	FORT ORD	< .13	< .12	< .13	< .13	< .12
5	17	HOLLISTER APCD	< .13	< .13	< .13	< .13	< .11
6	16	VERTICARE	< .11	.17	< .11	< .11	< .11
7	15	YODER BROTHERS	.22	< .11	.18	< .14	< .13
8	14	YOUTH SCI. CTR.	< .14	< .13	< .14	< .13	< .13
9	18	GONZALES H.S.	.19	< .12	< .10	< .12	.13

CONCENTRATION OF V — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .16	< .17	< .15	2.71	< .15
1	5	ANDERSON RANCH	< .11	.18	.27	< .14	< .12
2	4	SALINAS F.S. 5	< .10	< .11	.65	< .11	.41
3	2	GARIN CO.	< .14		< .14	< .12	< .14
4	6	FORT ORD	< .12	< .13	< .12	.51	< .12
5	17	HOLLISTER APCD	< .12	< .11	.13	< .11	< .11
6	16	VERTICARE	< .12	< .12	< .12	< .11	< .12
7	15	YODER BROTHERS	< .14	< .12	< .13	< .13	< .13
8	14	YOUTH SCI. CTR.	< .13	< .12	< .14	< .12	< .12
9	18	GONZALES H.S.	< .13	.09	< .13	< .13	< .12

CONCENTRATION OF V DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.10	.14	< .14	.96	< .12	< .13	< .14
1	2	ANAHEIM F.S. 2	< .13	.09	.16	< .13	.13	< .12	< .12
2	3	PALM HARBOR MED. CTR.	.44	.18	< .13	< .12	< .12	< .12	< .13
3	8	FULLERTON F.S. 5	< .13	.39	.21	< .13	< .13	< .11	.48
4	7	ORANGE F.S. 3	< .12	.17	< .12	< .12	< .12	< .11	< .11
5	9	ANAHEIM F.S. 8	< .12	< .13	.22	< .12	< .12	< .12	< .12
6	14	FEATHERLY PARK	< .12	< .12	< .12	< .14	< .12	< .13	.09
7	19	CORONA FOREST F.S.	< .12	< .12	.19	< .11	< .12	< .10	< .12
8	20	RIVERSIDE F.S. 8	< .14	< .13	.07	.15	< .12	< .11	
9	21	RIVERSIDE CENTRAL F.S	< .13	< .13	.10	.18	1.13	< .14	< .14

CONCENTRATION OF V DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .15	.20	< .15	.22	< .14	< .14	< .14
1	2	ANAHEIM F.S. 2	< .14	< .14	.11	.09	< .12	< .13	.15
2	3	PALM HARBOR MED. CTR.		< .13	< .15		< .14	< .12	< .14
3	8	FULLERTON F.S. 5	< .17	.11	< .13	.79	.55	< .13	< .14
4	7	ORANGE F.S. 3	< .12	< .12	.45	.06	< .11	.36	< .11
5	9	ANAHEIM F.S. 8	< .11	1.11	< .11	< .10	< .12	< .11	< .12
6	14	FEATHERLY PARK	.10	< .12	.09	.07	.08	.09	.06
7	19	CORONA FOREST F.S.	< .11	< .12	< .11	< .11	.53	< .09	.56
8	20	RIVERSIDE F.S. 8	< .15	< .15	< .11	< .16	.17	< .11	< .14
9	21	RIVERSIDE CENTRAL F.S	< .15	< .14	< .13	.14	< .14	< .14	< .14

CONCENTRATION OF V DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .14	.09	< .14	.13	.05	< .27	.12
1	2	ANAHEIM F.S. 2	< .15	< .13	< .13	< .14	< .13	< .14	.23
2	3	PALM HARBOR MED. CTR.	< .16	< .14	< .18	< .14	< .13	.07	< .15
3	8	FULLERTON F.S. 5	< .16			< .18	< .13	< .13	.07
5	9	ANAHEIM F.S. 8	< .14	< .14	.10	< .13	< .14	< .14	< .15
6	14	FEATHERLY PARK	.73	.07	< .14	< .15	.06	< .14	< .14
7	19	CORONA FOREST F.S.	< .14	< .14	< .13	< .13	< .15	< .11	< .13
8	20	RIVERSIDE F.S. 8	< .14	< .15	< .12	< .15	.06	< .12	< .13
9	21	RIVERSIDE CENTRAL F.S	< .14	< .13	< .13	< .14	< .15	.07	< .13

CONCENTRATION OF V DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .16	< .14	< .14	.10	< .14	.06	< .15
1	2	ANAHEIM F.S. 2		< .13	< .12	< .13	< .13	.29	< .13
2	3	PALM HARBOR MED. CTR.		< .12	< .13	.08	< .14	< .13	< .14
3	8	FULLERTON F.S. 5	< .15	< .17	< .15	< .16	< .16	< .15	< .16
4	5	WHITTIER APCD	< .13	< .14	< .14	< .14	.12	< .13	< .14
5	17	POMONA APCD	< .18	< .14	< .14	< .14	< .13	< .15	< .16
6	14	FEATHERLY PARK	< .12	.06	< .13	< .15	< .13	< .12	< .14
7	16	AZUSA APCD	.23	< .16	< .14	< .13	.05		< .15
8	20	RIVERSIDE F.S. 8	< .16	< .16	< .13	< .15	< .13	< .14	< .14
9	21	RIVERSIDE CENTRAL F.S	< .18	< .14	< .15	< .15	< .15	< .16	< .15

CONCENTRATION OF V DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .14	< .13	< .14	< .14	< .14	< .17	< .16
1	2	ANAHEIM F.S. 2	< .14	< .14	< .13	.24	< .14	< .15	< .16
2	3	PALM HARBOR MED. CTR.	< .12	< .13	< .15	< .13	< .14	< .13	< .14
3	8	FULLERTON F.S. 5	< .15	< .14	< .14	< .15	< .16	< .14	< .15
4	5	WHITTIER APCD	.07	< .11	< .13	< .13	< .13	< .14	< .14
5	17	POMONA APCD						< .16	< .13
6	14	FEATHERLY PARK			< .13	< .14	< .14	< .10	< .06
8	20	RIVERSIDE F.S. 8	< .14	< .13	< .12	.19	.20	< .13	< .14
9	21	RIVERSIDE CENTRAL F.S	< .14	< .13		< .14			< .16

CONCENTRATION OF V DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .13	< .13	< .14	< .17	< .16	< .17	.08
1	2	ANAHEIM F.S. 2	< .15	< .15	.15	.07	< .15	< .16	< .16
2	3	PALM HARBOR MED. CTR.	< .14	< .13	< .14	< .15	< .14	< .14	.09
3	8	FULLERTON F.S. 5	< .14	< .16	.20	< .16	< .16	< .15	< .17
4	5	WHITTIER APCD	< .13	< .14	< .14	< .14	< .14	< .14	< .14
5	17	POMONA APCD	< .13	< .13	< .12	< .12	< .13	< .12	< .13
6	14	FEATHERLY PARK	< .13	< .13	< .13	< .13	< .14	< .13	< .14
7	16	AZUSA APCD	< .14	< .16	< .13	< .11	< .13		< .11
8	20	RIVERSIDE F.S. 8	< .18	< .13	< .10	.15	< .11	< .11	< .13
9	21	RIVERSIDE CENTRAL F.S	< .13	< .12		< .13			< .15

CONCENTRATION OF CR DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .10	< .12	< .11	< .12	< .11	< .12	< .10	< .13
2	4	SALINAS F.S. 5	< .10	< .11	< .10	< .10	< .10	< .10	< .11	< .11
3	2	GARIN CO.	< .15	< .20	< .15	< .14	< .15	< .16	< .15	< .16
4	6	FORT ORD	< .12	< .11	< .11	< .12	< .11	< .10	< .11	< .11
5	17	HOLLISTER APCD	< .10	< .10	< .10	< .11	< .11	< .10	< .11	< .10
6	16	VERTICARE	< .10	< .10	< .11	.05	< .11	< .11	< .10	< .11
7	15	YODER BROTHERS	< .11	< .10	< .09	< .10	< .10	< .11	< .10	< .10
8	14	YOUTH SCI. CTR.	< .10	< .10						
9	18	GONZALES H.S.	< .12	< .12	< .10	< .12	< .10	< .10	< .11	.04

CONCENTRATION OF CR DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	< .11	< .11	< .11	< .11	< .10
2	4	SALINAS F.S. 5	< .09	< .10	< .10	< .10	< .09
3	2	GARIN CO.	< .19	< .19	< .18	< .17	< .18
4	6	FORT ORD	< .11	< .10	< .11	< .11	< .11
5	17	HOLLISTER APCD	< .11	< .11	< .11	.06	< .10
6	16	VERTICARE	< .10	.17	< .10	< .10	< .10
7	15	YODER BROTHERS	.12	.11	< .12	< .12	< .12
8	14	YOUTH SCI. CTR.	< .12	< .12	< .12	< .12	< .12
9	18	GONZALES H.S.	.14	< .10	< .09	< .10	< .09

CONCENTRATION, OF CR DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .14	< .14	< .13	< .15	< .13
1	5	ANDERSON RANCH	< .09	< .10	< .11	< .12	< .11
2	4	SALINAS F.S. 5	< .09	< .09	< .11	< .09	< .10
3	2	GARIN CO.	< .12		< .12	< .11	< .12
4	6	FORT ORD	.23	< .12	< .11	< .13	< .10
5	17	HOLLISTER APCD	< .10	< .10	< .10	.05	< .10
6	16	VERTICARE	< .10	< .10	< .10	< .10	< .10
7	15	YODER BROTHERS	< .12	< .11	< .11	< .11	< .11
8	14	YOUTH SCI. CTR.	< .11	< .10	< .12	< .10	< .10
9	18	GONZALES H.S.	< .11	< .12	< .11	< .11	< .10

CONCENTRATION OF CR DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .12	< .11	< .12	< .12	< .10	.11	.09
1	2	ANAHEIM F.S. 2	< .12	< .11	< .11	< .11	< .10	< .10	< .10
2	3	PALM HARBOR MED. CTR.	< .10	< .10	< .11	< .10	< .10	< .10	< .11
3	8	FULLERTON F.S. 5	< .11	< .14	< .12	< .11	< .11	< .10	< .12
4	7	ORANGE F.S. 3	< .10	< .10	< .11	< .10	< .10	< .09	< .09
5	9	ANAHEIM F.S. 8	.04	< .11	< .11	< .10	< .11	< .10	< .10
6	14	FEATHERLY PARK	< .10	< .11	< .11	< .12	< .11	< .12	< .10
7	19	CORONA FOREST F.S.	< .10	< .10	< .12	< .10	< .11	< .08	< .10
8	20	RIVERSIDE F.S. 8	< .12	< .11	< .09	< .12	< .11	< .10	
9	21	RIVERSIDE CENTRAL F.S	< .11	< .11	< .11	< .13	< .13	< .12	< .12

CONCENTRATION OF CR DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .13	< .13	< .13	< .13	< .12	< .12	< .13
1	2	ANAHEIM F.S. 2	< .12	< .12	< .12	< .12	< .11	.05	< .12
2	3	PALM HARBOR MED. CTR.		< .11	< .13		< .12	< .11	< .12
3	8	FULLERTON F.S. 5	< .15	< .02	< .12	< .12	< .11	< .12	< .12
4	7	ORANGE F.S. 3	< .10	< .10	< .10	.14	< .10	< .10	< .09
5	9	ANAHEIM F.S. 8	< .10	.41	< .09	< .09	< .11	< .10	< .11
6	14	FEATHERLY PARK	< .10	< .10	< .11	< .12	< .11	< .11	< .11
7	19	CORONA FOREST F.S.	< .10	< .10	< .10	< .10	< .10	.36	.18
8	20	RIVERSIDE F.S. 8	< .13	< .13	< .10	< .13	< .12	< .10	< .12
9	21	RIVERSIDE CENTRAL F.S	< .13	< .12	< .12	< .12	< .12	< .12	< .12

CONCENTRATION OF CR DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .13	< .12	< .13	< .12	< .12	< .23	< .12
1	2	ANAHEIM F.S. 2	< .13	< .11	< .12	< .12	< .11	< .12	< .12
2	3	PALM HARBOR MED. CTR.	< .14	< .13	< .16	< .12	< .12	< .11	< .13
3	8	FULLERTON F.S. 5	< .14			< .16	< .11	< .12	< .12
5	9	ANAHEIM F.S. 8	< .12	< .13	< .12	< .12	< .12	< .12	< .13
6	14	FEATHERLY PARK	< .18	< .12	< .12	< .13	< .13	< .12	< .12
7	19	CORONA FOREST F.S.	.04	< .12	< .12	< .11	< .13	< .09	< .11
8	20	RIVERSIDE F.S. 8	< .12	< .13	< .10	< .13	< .12	< .11	< .11
9	21	RIVERSIDE CENTRAL F.S	< .12	< .11	< .12	< .12	< .13	< .13	< .11

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CONCENTRATION OF CR DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .14	< .12	< .12	< .13	< .13	< .13	< .13
1	2	ANAHEIM F.S. 2		< .11	< .11	.09	< .11	< .12	.05
2	3	PALM HARBOR MED. CTR.		< .11	< .11	< .12	< .12	< .11	< .12
3	8	FULLERTON F.S. 5	< .13	< .14	.05	< .14	< .14	< .13	< .14
4	5	WHITTIER APCD	< .12	< .13	< .12	< .12	< .11	.06	< .12
5	17	POMONA APCD	< .15	< .12	< .12	< .12	< .12	.07	< .14
6	14	FEATHERLY PARK	< .10	< .11	< .11	< .13	< .11	< .11	< .13
7	16	AZUSA APCD	< .11	< .14	< .12	< .12	< .13		< .13
8	20	RIVERSIDE F.S. 8	< .14	< .14	< .11	< .13	< .12	< .12	< .13
9	21	RIVERSIDE CENTRAL F.S	< .16	< .12	< .13	< .13	< .13	< .14	< .13

CONCENTRATION OF CR DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .12	< .12	< .12	< .12	< .12	< .15	< .13
1	2	ANAHEIM F.S. 2	< .12	< .12	< .11	< .12	< .13	< .13	< .14
2	3	PALM HARBOR MED. CTR.	< .11	< .11	< .13	< .11	< .12	< .11	< .12
3	8	FULLERTON F.S. 5	< .13	< .12	< .12	< .13	< .13	< .12	< .13
4	5	WHITTIER APCD	< .12	< .09	< .11	< .11	< .12	< .12	< .12
5	17	POMONA APCD						< .13	< .12
6	14	FEATHERLY PARK			< .11	< .12	< .12	< .09	< .09
8	20	RIVERSIDE F.S. 8	< .13	< .11	< .10	< .13	< .12	< .11	< .12
9	21	RIVERSIDE CENTRAL F.S	< .12	< .11		< .12			< .14

CONCENTRATION OF CR DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .11	< .11	< .12	< .14	< .14	< .15	< .15
1	2	ANAHEIM F.S. 2	< .13	< .13	< .13	< .14	< .13	< .13	< .14
2	3	PALM HARBOR MED. CTR.	.20	< .11	< .12	< .13	< .13	< .12	< .14
3	8	FULLERTON F.S. 5	< .12	< .14	< .15	< .14	< .14	< .13	< .15
4	5	WHITTIER APCD	< .11	< .12	< .12	< .12	< .12	< .12	< .13
5	17	POMONA APCD	< .11	< .11	< .10	< .10	< .10	< .10	< .11
6	14	FEATHERLY PARK	< .11	< .11	< .11	< .11	< .12	< .11	< .12
7	16	AZUSA APCD	< .13	< .13	< .11	< .10	< .10		< .09
8	20	RIVERSIDE F.S. 8	< .15	< .11	< .09	< .10	< .09	< .09	< .11
9	21	RIVERSIDE CENTRAL F.S	< .11	< .10		< .11			< .13

CONCENTRATION OF MN DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .10	< .11	.12	.08	< .10	.08	< .10	.10
2	4	SALINAS F.S. 5	.08	.08	< .09	< .10	< .09	< .10	.07	< .10
3	2	GARIN CO.	< .14	< .18	< .13	.12	< .14	< .14	< .14	.08
4	6	FORT ORD	< .11	.11	.06	< .11	.09	< .09	.10	< .10
5	17	HOLLISTER APCD	< .09	.10	.05	< .10	.10	.09	.08	.10
6	16	VERTICARE	.07	.10	.10	.10	.08	< .10	.08	.07
7	15	YODER BROTHERS	< .10	< .09	< .09	.11	.12	.11	< .09	< .09
8	14	YOUTH SCI. CTR.	.14	< .09						
9	18	GONZALES H.S.	< .11	.16	< .09	.14	.08	< .09	< .10	.20

CONCENTRATION OF MN DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.09	.05	< .10	.07	< .09
2	4	SALINAS F.S. 5	< .08	.09	.07	.05	.06
3	2	GARIN CO.	.22	.14	< .17	< .16	.15
4	6	FORT ORD	.06	< .09	.11	.06	.06
5	17	HOLLISTER APCD	.14	.10	< .10	.22	.12
6	16	VERTICARE	.09	.13	.12	.08	.10
7	15	YODER BROTHERS	.21	< .09	.10	.20	.09
8	14	YOUTH SCI. CTR.	.14	< .11	< .12	< .11	.10
9	18	GONZALES H.S.	.14	.12	.15	.08	< .09

CONCENTRATION OF MN DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.13	.10	.12	< .14	.15
1	5	ANDERSON RANCH	.18	< .09	.18	< .11	.08
2	4	SALINAS F.S. 5	< .08	.09	.06	.08	.07
3	2	GARIN CO.	.12		< .11	.17	.09
4	6	FORT ORD	.15	.07	< .10	.07	.12
5	17	HOLLISTER APCD	.06	.11	.09	< .09	.06
6	16	VERTICARE	.10	.17	.09	.10	.10
7	15	YODER BROTHERS	.13	.17	.13	.12	.09
8	14	YOUTH SCI. CTR.	< .10	.13	.12	.12	< .10
9	18	GONZALES H.S.	.12	.12	.09	.09	.12

CONCENTRATION OF MN DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.07	.08	.09	.14	.10	.10	< .11
1	2	ANAHEIM F.S. 2	.09	.07	.09	< .10	< .09	.07	.08
2	3	PALM HARBOR MED. CTR.	.10	.09	< .10	< .10	.09	< .10	.17
3	8	FULLERTON F.S. 5	< .10	< .13	< .11	.10	.05	< .09	.10
4	7	ORANGE F.S. 3	.11	.08	.09	.11	.10	.06	.07
5	9	ANAHEIM F.S. 8	.15	.11	.14	.08	< .10	< .10	< .09
6	14	FEATHERLY PARK	< .10	< .10	< .10	< .11	< .10	< .10	< .10
7	19	CORONA FOREST F.S.	.12	.09	.19	.07	< .10	< .08	.16
8	20	RIVERSIDE F.S. 8	.10	.11	< .08	.09	.08	.09	
9	21	RIVERSIDE CENTRAL F.S	< .10	.09	.12	.06	.13	< .11	.08

CONCENTRATION OF MN DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.08	.14	< .12	.16	.14	.10	.14
1	2	ANAHEIM F.S. 2	.11	.13	.10	.17	< .10	.15	< .11
2	3	PALM HARBOR MED. CTR.		< .10	< .12		< .11	< .10	< .11
3	8	FULLERTON F.S. 5	.07	< .02	.38	< .11	.34	< .11	.06
4	7	ORANGE F.S. 3	.10	.07	.31	.16	.17	.15	.20
5	9	ANAHEIM F.S. 8	.19	.40	.36	.36	< .10	< .09	< .10
6	14	FEATHERLY PARK	< .10	< .10	< .10	< .11	< .10	< .10	< .10
7	19	CORONA FOREST F.S.	.25	.23	.34	.28	.16	< .07	.37
8	20	RIVERSIDE F.S. 8	.23	.05	.05	.09	.17	.12	< .11
9	21	RIVERSIDE CENTRAL F.S	.22	.16	.14	.12	.12	< .11	.13

CONCENTRATION OF MN DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .12	.09	< .12	< .11	< .11	< .21	< .11
1	2	ANAHEIM F.S. 2	.21	< .10	.10	.16	.13	.16	.09
2	3	PALM HARBOR MED. CTR.	.19	.13	< .14	.08	< .11	< .10	.21
3	8	FULLERTON F.S. 5	< .13			< .14	< .10	< .11	< .11
5	9	ANAHEIM F.S. 8	.14	< .11	< .11	< .11	< .11	< .11	< .12
6	14	FEATHERLY PARK	< .16	< .11	< .11	< .12	< .11	.09	< .11
7	19	CORONA FOREST F.S.	.21	.18	< .11	.13	.10	< .09	.12
8	20	RIVERSIDE F.S. 8	.19	.19	.17	.23	.10	< .10	.15
9	21	RIVERSIDE CENTRAL F.S	.22	.12	< .11	.15	.13	< .12	.09

CONCENTRATION OF MN DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.17	.13	< .11	< .12	< .12	.07	< .12
1	2	ANAHEIM F.S. 2		.08	.19	< .10	.09	< .11	.19
2	3	PALM HARBOR MED. CTR.		.12	.11	.24	.13	.22	.13
3	8	FULLERTON F.S. 5	.09	.15	< .12	< .13	< .13	.10	< .13
4	5	WHITTIER APCD	.08	< .12	< .11	< .11	< .10	.09	< .11
5	17	POMONA APCD	.25	< .11	< .11	< .11	< .11	< .12	< .13
6	14	FEATHERLY PARK	.04	< .10	.11	< .12	< .10	< .10	< .12
7	16	AZUSA APCD	.12	.27	.15	< .11	.09		.12
8	20	RIVERSIDE F.S. 8	< .13	.09	< .10	< .12	< .11	< .11	< .11
9	21	RIVERSIDE CENTRAL F.S	< .14	< .12	.08	< .12	< .12	< .13	< .12

CONCENTRATION OF MN DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.13	.10	.09	.10	.12	< .13	.06
1	2	ANAHEIM F.S. 2	.16	< .11	.10	< .11	.13	.12	.06
2	3	PALM HARBOR MED. CTR.	< .10	.12	< .12	.11	.12	.05	.05
3	8	FULLERTON F.S. 5	.06	.07	.08	.13	< .12	< .11	.07
4	5	WHITTIER APCD	< .11	< .09	.09	.06	.07	< .11	.07
5	17	POMONA APCD						.14	.11
6	14	FEATHERLY PARK			< .10	< .11	.05	.11	.11
8	20	RIVERSIDE F.S. 8	.21	< .10	< .09	.07	< .11	.07	.09
9	21	RIVERSIDE CENTRAL F.S	< .11	.15		.13			< .13

CONCENTRATION OF MN DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .10	< .10	< .11	< .13	< .13	< .13	< .13
1	2	ANAHEIM F.S. 2	< .12	< .12	.10	.06	< .12	< .12	< .13
2	3	PALM HARBOR MED. CTR.	< .11	< .10	.11	.07	.12	< .11	< .13
3	8	FULLERTON F.S. 5	.05	< .13	< .14	< .13	< .13	.06	< .13
4	5	WHITTIER APCD	< .10	< .11	< .11	< .11	< .11	< .11	< .11
5	17	POMONA APCD	< .10	.16	< .09	.07	.10	< .10	< .10
6	14	FEATHERLY PARK	.09	.11	< .11	< .10	.13	< .10	< .11
7	16	AZUSA APCD	.17	.12	.15	.06	< .10		< .09
8	20	RIVERSIDE F.S. 8	< .14	< .10	< .08	< .09	.05	< .08	.06
9	21	RIVERSIDE CENTRAL F.S	< .10	.05		.04			< .12

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CONCENTRATION OF FE DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.92	.91	.52	.71	1.04	.82	.56	.47
2	4	SALINAS F.S. 5	1.00	1.02	.77	.68	.72	.41	.33	.38
3	2	GARIN CO.	2.31	1.57	1.75	1.91	1.05	.45	.30	.82
4	6	FORT ORD	.49	.70	.84	.38	.42	.34	.30	.28
5	17	HOLLISTER APCD	1.02	.95	1.48	.82	1.01	.94	.57	.78
6	16	VERTICARE	.88	2.23	2.30	1.71	1.22	1.25	.86	.66
7	15	YODER BROTHERS	1.65	2.10	1.99	1.44	.96	1.09	.73	1.29
8	14	YOUTH SCI. CTR.	.54	1.00						
9	18	GONZALES H.S.	.72	1.18	1.49	1.08	1.06	1.37	.65	.80

CONCENTRATION OF FE DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	1.06	.53	.70	.43	.26
2	4	SALINAS F.S. 5	.92	1.46	1.28	.24	.29
3	2	GARIN CO.	2.04	1.07	.68	.52	.29
4	6	FORT ORD	1.55	.88	.69	.44	.32
5	17	HOLLISTER APCD	1.40	2.08	3.46	1.26	.24
6	16	VERTICARE	2.06	2.43	1.65	1.24	.81
7	15	YODER BROTHERS	2.23	2.33	3.16	1.62	.57
8	14	YOUTH SCI. CTR.	1.34	1.44	< .11	.85	.65
9	18	GONZALES H.S.	2.51	2.34	2.10	1.68	.45

CONCENTRATION OF FE DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.16	.26	.39	.62	.26
1	5	ANDERSON RANCH	.32	.18	.31	.27	.31
2	4	SALINAS F.S. 5	.32	< .09	.29	.17	.19
3	2	GARIN CO.	.56		.58	.52	.30
4	6	FORT ORD	.29	.60	< .10	.20	.40
5	17	HOLLISTER APCD	.45	.51	.98	.54	.25
6	16	VERTICARE	.65	.64	.80	.64	.73
7	15	YODER BROTHERS	1.77	.92	1.16	.59	.54
8	14	YOUTH SCI. CTR.	.76	.62	1.00	.43	.34
9	18	GONZALES H.S.	.78	.73	.61	.94	.32

CONCENTRATION OF FE DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.48	1.26	1.16	1.26	.81	.55	.51
1	2	ANAHEIM F.S. 2	1.59	1.23	1.32	1.21	.84	.55	.40
2	3	PALM HARBOR MED. CTR.	1.48	1.29	1.10	.83	.67	.51	.61
3	8	FULLERTON F.S. 5	1.81	2.47	2.16	1.64	.91	1.18	.91
4	7	ORANGE F.S. 3	1.62	1.34	1.42	.93	.81	.51	.52
5	9	ANAHEIM F.S. 8	2.18	2.71	3.40	2.43	1.58	.67	.89
6	14	FEATHERLY PARK	1.23	1.61	1.92	1.17	.89	.50	.66
7	19	CORONA FOREST F.S.	1.82	2.15	5.34	1.92	1.23	< .08	.99
8	20	RIVERSIDE F.S. 8	2.06	2.51	1.76	2.23	1.99	2.35	
9	21	RIVERSIDE CENTRAL F.S	2.76	3.10	3.98	2.79	1.93	1.77	1.11

CONCENTRATION OF FE DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.88	1.42	1.29	1.07	.71	.75	2.39
1	2	ANAHEIM F.S. 2	.84	1.04	1.26	.98	.58	.83	.69
2	3	PALM HARBOR MED. CTR.		.70	1.01		.37	.67	.89
3	8	FULLERTON F.S. 5	1.24	.12	2.33	1.88	1.39	.73	.60
4	7	ORANGE F.S. 3	1.37	.88	1.15	1.12	1.01	1.01	.73
5	9	ANAHEIM F.S. 8	1.15	1.62	1.72	1.52	1.03	.81	.69
6	14	FEATHERLY PARK	.63	.81	1.05	1.18	.88	.53	.62
7	19	CORONA FOREST F.S.	2.97	1.69	2.27	1.48	1.41	< .07	1.60
8	20	RIVERSIDE F.S. 8	1.50	1.67	2.21	2.25	2.14	1.97	1.79
9	21	RIVERSIDE CENTRAL F.S	4.88	2.30	2.30	2.44	2.06	1.41	1.48

CONCENTRATION OF FE DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.01	1.38	.86	1.02	.96	.60	.96
1	2	ANAHEIM F.S. 2	3.36	1.84	1.39	1.48	1.22	1.00	.86
2	3	PALM HARBOR MED. CTR.	2.59	1.29	.37	.95	1.20	.66	.25
3	8	FULLERTON F.S. 5	1.35			.93	1.72	.97	1.13
5	9	ANAHEIM F.S. 8	1.77	2.21	1.04	1.16	1.79	1.62	1.55
6	14	FEATHERLY PARK	2.56	1.10	.87	1.16	1.84	2.09	1.83
7	19	CORONA FOREST F.S.	4.84	1.46	1.67	2.11	3.68	< .09	2.55
8	20	RIVERSIDE F.S. 8	1.88	.76	2.32	1.39	2.09	1.81	5.02
9	21	RIVERSIDE CENTRAL F.S	3.45	.64	1.85	1.69	2.90	2.32	3.19

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CONCENTRATION OF FE DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.34	1.16	.58	.44	.87	.36	.87
1	2	ANAHEIM F.S. 2		1.02	.73	.57	.66	.57	.68
2	3	PALM HARBOR MED. CTR.		.82	.47	.33	.28	.65	.62
3	8	FULLERTON F.S. 5	1.31	1.42	1.06	.77	.86	.68	.48
4	5	WHITTIER APCD	.25	.23	.14	.31	.10	.15	.22
5	17	POMONA APCD	1.46	1.11	1.05	1.01	.84	.71	.95
6	14	FEATHERLY PARK	.76	1.14	.97	.44	.30	.26	.35
7	16	AZUSA APCD	3.31	3.35	2.68	1.08	.54		.66
8	20	RIVERSIDE F.S. 8	1.28	1.03	.34	1.55	.57	1.50	1.37
9	21	RIVERSIDE CENTRAL F.S	4.37	2.00	1.34	1.73	.77	.70	1.18

CONCENTRATION OF FE DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.44	.39	.40	.57	.72	2.94	.95
1	2	ANAHEIM F.S. 2	.36	.27	.32	.63	.82	1.15	1.65
2	3	PALM HARBOR MED. CTR.	.37	.22	.29	.30	.56	.70	.84
3	8	FULLERTON F.S. 5	.46	.56	.72	.68	1.01	.46	.58
4	5	WHITTIER APCD	.39	.43	.52	.98	1.35	.74	.66
5	17	POMONA APCD						1.00	.77
6	14	FEATHERLY PARK			.46	.52	.49	< .08	< .08
8	20	RIVERSIDE F.S. 8	.89	1.28	.96	.61	.45	1.17	.84
9	21	RIVERSIDE CENTRAL F.S	.50	.77		.42			.70

CONCENTRATION OF FE DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.48	.82	.86	1.26	2.01	2.57	3.22
1	2	ANAHEIM F.S. 2	.42	.40	.64	1.34	1.25	1.40	1.59
2	3	PALM HARBOR MED. CTR.	.65	.71	.73	1.84	.73	1.09	.87
3	8	FULLERTON F.S. 5	.58	.84	.96	1.32	2.06	1.19	1.16
4	5	WHITTIER APCD	.89	.78	1.23	1.19	2.06	1.46	1.03
5	17	POMONA APCD	.95	.73	.73	1.39	1.51	1.61	1.68
6	14	FEATHERLY PARK	.73	.39	1.27	1.20	1.40	1.13	.96
7	16	AZUSA APCD	1.64	1.28	2.33	1.58	1.29		.74
8	20	RIVERSIDE F.S. 8	.74	.77	2.16	.67	2.56	2.34	2.86
9	21	RIVERSIDE CENTRAL F.S	.69	.36		1.60			3.12

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CONCENTRATION OF NI — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .10	.04	< .10	< .11	< .10	.09	< .10	< .12
2	4	SALINAS F.S. 5	< .09	< .10	.06	< .10	< .10	< .10	< .10	.07
3	2	GARIN CO.	< .14	< .19	< .14	< .13	.07	< .14	< .14	< .15
4	6	FORT ORD	< .11	< .10	.08	< .11	.06	< .09	.08	< .10
5	17	HOLLISTER APCD	< .09	< .09	< .09	< .10	< .10	.09	< .10	< .09
6	16	VERTICARE	< .10	< .10	< .10	< .10	< .10	.04	< .10	< .11
7	15	YODER BROTHERS	< .10	.06	< .09	.04	.06	< .10	< .09	< .09
8	14	YOUTH SCI. CTR.	< .09	< .09						
9	18	GONZALES H.S.	< .11	.05	< .09	< .11	< .10	< .09	< .10	.05

CONCENTRATION OF NI — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	< .10	.11	< .10	< .10	< .09
2	4	SALINAS F.S. 5	.07	< .09	.06	< .10	< .09
3	2	GARIN CO.	< .18	< .18	< .17	< .17	< .17
4	6	FORT ORD	< .10	< .10	.12	< .10	< .10
5	17	HOLLISTER APCD	< .10	< .10	< .10	< .10	< .09
6	16	VERTICARE	.08	.08	.07	< .09	< .09
7	15	YODER BROTHERS	.09	.06	.06	< .11	< .11
8	14	YOUTH SCI. CTR.	< .11	< .11	< .12	< .11	< .11
9	18	GONZALES H.S.	.07	< .10	.05	.06	< .09

CONCENTRATION OF NI — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .13	.07	.11	< .14	< .12
1	5	ANDERSON RANCH	< .09	< .10	< .10	< .11	< .10
2	4	SALINAS F.S. 5	< .08	< .09	.33	.08	< .10
3	2	GARIN CO.	< .11		.05	.08	.12
4	6	FORT ORD	.06	< .11	< .10	.11	< .09
5	17	HOLLISTER APCD	< .10	< .09	< .10	< .09	.06
6	16	VERTICARE	< .10	< .10	.06	.04	< .10
7	15	YODER BROTHERS	< .11	.06	< .10	< .11	< .11
8	14	YOUTH SCI. CTR.	< .11	.04	< .11	.06	< .10
9	18	GONZALES H.S.	< .11	< .11	< .10	< .10	< .09

CONCENTRATION OF NI DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.09	.21	< .11	.42	.09	< .11	< .11
1	2	ANAHEIM F.S. 2	.11	.18	.09	.13	.18	< .10	.12
2	3	PALM HARBOR MED. CTR.	.12	.22	.14	< .10	< .10	< .10	< .10
3	8	FULLERTON F.S. 5	.07	.12	.13	.08	.05	.03	.13
4	7	ORANGE F.S. 3	< .10	.09	.13	< .10	.07	< .09	< .09
5	9	ANAHEIM F.S. 8	< .10	.11	.13	< .10	< .10	< .10	< .10
6	14	FEATHERLY PARK	< .09	< .10	.12	< .11	< .10	< .10	< .10
7	19	CORONA FOREST F.S.	< .09	.09	< .12	< .09	< .10	< .08	< .10
8	20	RIVERSIDE F.S. 8	.16	< .10	.07	.16	< .10	< .09	
9	21	RIVERSIDE CENTRAL F.S	.08	< .10	< .10	.13	< .12	< .11	.08

CONCENTRATION OF NI DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .12	< .13	.15	< .12	< .12	.07	< .12
1	2	ANAHEIM F.S. 2	.10	.17	.16	.14	< .10	< .10	< .11
2	3	PALM HARBOR MED. CTR.	< .10	< .10	< .12	< .11	< .10	< .11	
3	8	FULLERTON F.S. 5	< .14	< .04	.24	.35	.25	< .10	< .11
4	7	ORANGE F.S. 3	.05	< .10	.20	< .09	.17	< .09	.18
5	9	ANAHEIM F.S. 8	.17	< .09	.35	.29	< .10	< .09	.03
6	14	FEATHERLY PARK	< .09	< .10	< .10	.06	< .10	< .10	.04
7	19	CORONA FOREST F.S.	.40	< .09	.18	< .09	< .09	< .07	.14
8	20	RIVERSIDE F.S. 8	< .12	< .12	< .09	< .13	< .11	< .09	.10
9	21	RIVERSIDE CENTRAL F.S	< .12	.10	< .11	.16	< .12	.07	< .11

CONCENTRATION OF NI DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.11	< .11	.07	< .11	< .11	< .21	.05
1	2	ANAHEIM F.S. 2	.03	< .10	< .11	.16	< .10	.08	< .11
2	3	PALM HARBOR MED. CTR.	.13	< .12	< .14	< .11	< .11	< .10	.07
3	8	FULLERTON F.S. 5	< .13			< .14	< .10	< .11	< .11
5	9	ANAHEIM F.S. 8	< .11	.06	< .11	< .10	< .11	< .11	.06
6	14	FEATHERLY PARK	< .16	< .11	.05	.06	< .11	< .11	< .11
7	19	CORONA FOREST F.S.	< .11	< .12	.17	< .11	.09	< .09	< .10
8	20	RIVERSIDE F.S. 8	< .11	.12	< .10	< .12	.07	.06	< .11
9	21	RIVERSIDE CENTRAL F.S	< .12	< .11	< .11	< .11	.09	< .12	< .10

CONCENTRATION OF NI DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.12	.24	.13	.16	< .12	< .12	< .12
1	2	ANAHEIM F.S. 2		.12	< .10	.17	< .10	< .11	< .11
2	3	PALM HARBOR MED. CTR.		.11	.15	.12	.47	.14	< .11
3	8	FULLERTON F.S. 5	< .12	< .13	< .12	< .13	< .13	< .12	< .13
4	5	WHITTIER APCD	< .11	< .11	< .11	< .11	< .10	< .10	< .11
5	17	POMONA APCD	< .14	< .11	< .11	.08	< .10	< .12	.16
6	14	FEATHERLY PARK	.05	.07	< .11	< .12	< .10	< .10	< .11
7	16	AZUSA APCD	< .10	< .13	.07	< .11	< .12		< .12
8	20	RIVERSIDE F.S. 8	< .12	< .13	.13	< .12	< .11	< .11	< .11
9	21	RIVERSIDE CENTRAL F.S	.67	< .11	< .12	< .12	< .12	< .13	< .12

CONCENTRATION OF NI DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.10	.26	.18	.21	< .12	< .14	.06
1	2	ANAHEIM F.S. 2	< .11	< .11	.16	.33	< .12	< .12	< .13
2	3	PALM HARBOR MED. CTR.	< .10	< .10	< .12	.12	.06	< .10	.08
3	8	FULLERTON F.S. 5	< .12	< .12	.08	.14	.08	< .11	.18
4	5	WHITTIER APCD	.05	< .09	.08	< .10	.08	.15	.15
5	17	POMONA APCD						.08	.08
6	14	FEATHERLY PARK			.08	< .11	< .11	< .08	< .08
8	20	RIVERSIDE F.S. 8	.06	.11	< .09	< .12	< .11	< .10	< .12
9	21	RIVERSIDE CENTRAL F.S	.05	< .10		< .11			< .13

CONCENTRATION OF NI DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .11	< .11	.17	< .13	< .13	< .13	< .13
1	2	ANAHEIM F.S. 2	.04	< .12	< .12	.16	< .12	< .12	< .13
2	3	PALM HARBOR MED. CTR.	< .12	< .11	.09	< .12	< .11	< .11	< .13
3	8	FULLERTON F.S. 5	< .12	.05	.20	.07	< .13	< .12	< .13
4	5	WHITTIER APCD	< .10	.05	< .11	.10	.06	.06	< .11
5	17	POMONA APCD	< .10	.05	.05	.04	< .10	< .10	< .11
6	14	FEATHERLY PARK	< .11	.05	< .11	.04	.07	< .11	< .12
7	16	AZUSA APCD	.07	.08	< .11	.03	< .10		< .09
8	20	RIVERSIDE F.S. 8	< .15	< .10	.07	.04	.04	< .09	.04
9	21	RIVERSIDE CENTRAL F.S	< .11	< .10		.06			.07

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CONCENTRATION OF CU DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .08	< .09	< .08	< .09	< .08	.07	.11	.09
2	4	SALINAS F.S. 5	< .08	< .08	< .07	< .08	< .08	.06	< .08	< .08
3	2	GARIN CO.	< .11	< .15	< .11	< .11	< .11	.08	.10	< .12
4	6	FORT ORD	< .09	< .08	< .09	< .09	< .08	< .08	< .08	< .08
5	17	HOLLISTER APCD	< .08	< .07	.05	< .08	< .08	< .08	< .09	< .07
6	16	VERTICARE	< .08	.04	< .08	< .08	< .08	.05	< .08	< .09
7	15	YODER BROTHERS	.08	< .08	.04	.06	< .08	< .08	< .08	< .08
8	14	YOUTH SCI. CTR.	< .08	.03						
9	18	GONZALES H.S.	< .09	< .09	< .08	< .09	< .08	< .07	< .08	< .09

CONCENTRATION OF CU DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.06	.05	< .09	< .08	< .08
2	4	SALINAS F.S. 5	< .07	< .07	< .08	< .08	.06
3	2	GARIN CO.	< .14	< .15	< .14	< .13	< .13
4	6	FORT ORD	< .08	.03	< .08	< .08	< .08
5	17	HOLLISTER APCD	< .08	< .08	< .08	< .08	.11
6	16	VERTICARE	< .07	.07	.07	< .07	.03
7	15	YODER BROTHERS	< .08	< .08	< .09	.04	< .09
8	14	YOUTH SCI. CTR.	< .09	.05	< .09	< .09	< .09
9	18	GONZALES H.S.	< .08	< .08	.05	< .08	< .07

CONCENTRATION OF CU DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	.14	< .11	< .10	< .12	.25
1	5	ANDERSON RANCH	< .08	< .08	< .08	< .09	.04
2	4	SALINAS F.S. 5	< .07	< .07	< .08	< .07	.09
3	2	GARIN CO.	< .09		< .09	.09	< .09
4	6	FORT ORD	.10	< .09	< .08	< .10	.07
5	17	HOLLISTER APCD	< .08	< .07	< .08	< .07	< .07
6	16	VERTICARE	< .08	< .08	< .08	< .07	.09
7	15	YODER BROTHERS	< .09	.13	.10	.11	< .09
8	14	YOUTH SCI. CTR.	< .09	< .08	.07	< .08	< .08
9	18	GONZALES H.S.	< .09	< .09	< .08	< .08	< .08

CONCENTRATION OF CU DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .09	.09	< .09	< .10	< .08	< .08	< .09
1	2	ANAHEIM F.S. 2	< .09	< .09	< .08	.09	< .08	< .08	< .08
2	3	PALM HARBOR MED. CTR.	< .08	< .08	< .08	.08	< .08	< .08	.08
3	8	FULLERTON F.S. 5	< .09	< .11	< .09	< .08	< .08	< .08	< .09
4	7	ORANGE F.S. 3	< .08	.07	< .08	< .08	< .08	< .07	.06
5	9	ANAHEIM F.S. 8	.15	< .09	< .08	< .08	< .08	< .08	< .08
6	14	FEATHERLY PARK	.08	.03	.04	.05	< .08	< .08	.03
7	19	CORONA FOREST F.S.	< .08	.04	< .09	< .07	< .08	< .06	< .08
8	20	RIVERSIDE F.S. 8	.09	< .08	< .07	< .09	< .08	< .07	
9	21	RIVERSIDE CENTRAL F.S	.09	< .09	.08	.09	< .10	< .09	< .09

CONCENTRATION OF CU DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .10	< .10	< .10	< .10	< .09	< .09	< .09
1	2	ANAHEIM F.S. 2	< .09	< .09	< .09	< .09	.07	< .09	.10
2	3	PALM HARBOR MED. CTR.	<	< .09	< .10	<	< .09	< .08	< .09
3	8	FULLERTON F.S. 5	.16	< .05	< .09	< .09	< .08	< .09	< .09
4	7	ORANGE F.S. 3	< .09	< .08	< .07	< .07	< .07	< .07	< .07
5	9	ANAHEIM F.S. 8	< .07	< .07	.26	< .07	< .08	< .08	.04
6	14	FEATHERLY PARK	< .08	< .08	< .08	< .09	.08	< .08	.07
7	19	CORONA FOREST F.S.	.35	< .07	.12	.17	< .08	< .06	< .08
8	20	RIVERSIDE F.S. 8	< .10	< .10	< .07	< .10	< .09	< .07	< .09
9	21	RIVERSIDE CENTRAL F.S	< .10	< .09	.07	< .09	< .09	< .09	< .09

CONCENTRATION OF CU DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	< .10	< .09	< .09	< .09	< .09	< .20	< .09
1	2	ANAHEIM F.S. 2	.05	< .09	< .09	< .09	< .08	.09	.02
2	3	PALM HARBOR MED. CTR.	< .11	.07	< .13	< .09	< .09	< .08	< .10
3	8	FULLERTON F.S. 5	< .11		<	< .12	< .08	< .09	< .09
5	9	ANAHEIM F.S. 8	.08	< .09	< .09	< .09	< .09	< .09	< .10
6	14	FEATHERLY PARK	.07	< .09	< .09	.05	< .09	< .09	< .09
7	19	CORONA FOREST F.S.	< .09	< .09	< .09	< .09	< .10	< .07	.05
8	20	RIVERSIDE F.S. 8	< .09	< .10	< .08	.19	< .09	< .08	< .08
9	21	RIVERSIDE CENTRAL F.S	.10	< .09	< .09	< .09	< .10	.06	.05

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CONCENTRATION OF CU DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.11	.14	< .09	< .09	.07	.06	.05
1	2	ANAHEIM F.S. 2		< .09	< .08	< .09	.14	< .09	.06
2	3	PALM HARBOR MED. CTR.		< .08	< .08	< .09	< .09	< .09	< .09
3	8	FULLERTON F.S. 5	.16	< .11	.08	< .11	< .10	< .10	< .11
4	5	WHITTIER APCD	< .09	< .09	< .09	< .09	< .08	< .09	< .09
5	17	POMONA APCD	< .12	< .09	.06	< .09	< .09	< .10	< .10
6	14	FEATHERLY PARK	< .08	< .08	< .09	< .10	< .08	< .08	< .09
7	16	AZUSA APCD	.08	< .11	.18	< .09	< .10		< .10
8	20	RIVERSIDE F.S. 8	< .10	< .10	< .08	.09	.05	< .09	< .09
9	21	RIVERSIDE CENTRAL F.S	< .12	< .09	.13	.04	.05	< .10	< .10

CONCENTRATION OF CU DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .09	< .09	< .09	< .09	< .09	< .11	< .10
1	2	ANAHEIM F.S. 2	< .09	< .09	< .09	.05	< .09	.09	< .10
2	3	PALM HARBOR MED. CTR.	< .08	< .08	< .10	< .09	< .09	.09	< .09
3	8	FULLERTON F.S. 5	.09	< .09	< .09	< .10	< .10	< .09	< .10
4	5	WHITTIER APCD	.07	< .08	< .09	< .08	< .09	< .09	.08
5	17	POMONA APCD						.13	< .09
6	14	FEATHERLY PARK			< .09	< .09	< .09	< .08	< .07
8	20	RIVERSIDE F.S. 8	< .09	< .08	.06	< .10	< .09	< .08	< .09
9	21	RIVERSIDE CENTRAL F.S	.12	< .08		< .09			< .10

CONCENTRATION OF CU DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .09	< .09	< .10	< .11	< .10	< .11	< .11
1	2	ANAHEIM F.S. 2	< .10	< .10	< .10	< .10	< .10	< .10	< .10
2	3	PALM HARBOR MED. CTR.	< .10	< .09	< .10	< .10	< .09	< .09	< .10
3	8	FULLERTON F.S. 5	< .10	< .11	.04	< .10	< .10	.07	< .11
4	5	WHITTIER APCD	< .09	< .10	< .09	.03	.07	< .09	< .09
5	17	POMONA APCD	< .09	< .09	.05	< .08	.04	< .08	< .09
6	14	FEATHERLY PARK	< .09	< .09	< .09	< .09	< .09	< .09	.08
7	16	AZUSA APCD	< .09	< .11	< .09	.07	< .08		< .08
8	20	RIVERSIDE F.S. 8	< .13	< .09	.07	< .08	< .08	< .07	.04
9	21	RIVERSIDE CENTRAL F.S	< .09	< .08		< .09			< .10

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CONCENTRATION OF ZN — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.09	< .11	< .10	< .11	< .10	< .11	.07	< .12
2	4	SALINAS F.S. 5	.05	.03	< .09	< .10	.05	.06	.05	< .10
3	2	GARIN CO.	< .14	< .19	.25	< .13	< .14	.05	< .14	< .15
4	6	FORT ORD	.10	< .10	< .11	< .11	< .10	< .09	< .10	.08
5	17	HOLLISTER APCD	.14	.05	< .09	< .10	< .10	< .10	< .10	< .09
6	16	VERTICARE	.07	.08	< .10	.09	< .10	< .10	.07	< .11
7	15	YODER BROTHERS	.06	.10	.10	< .09	< .09	< .10	< .09	< .09
8	14	YOUTH SCI. CTR.	< .09	< .09						
9	18	GONZALES H.S.	< .11	< .11	.04	< .11	< .10	.10	< .10	< .10

CONCENTRATION OF ZN — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.10	.22	< .10	< .10	< .09
2	4	SALINAS F.S. 5	.11	.05	.06	< .10	< .08
3	2	GARIN CO.	.08	< .18	.14	< .16	< .17
4	6	FORT ORD	< .10	< .10	< .10	< .10	< .10
5	17	HOLLISTER APCD	< .10	.06	.07	.08	< .09
6	16	VERTICARE	.07	.10	.07	< .08	.06
7	15	YODER BROTHERS	< .10	.12	.22	< .11	.08
8	14	YOUTH SCI. CTR.	< .11	.09	< .12	.07	< .11
9	18	GONZALES H.S.	.10	.11	< .08	< .09	< .08

CONCENTRATION OF ZN — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .13	.10	< .12	1.31	< .12
1	5	ANDERSON RANCH	.06	.20	< .10	< .11	< .10
2	4	SALINAS F.S. 5	.05	< .09	.30	.05	.12
3	2	GARIN CO.	.08		.06	< .10	.06
4	6	FORT ORD	< .10	.34	< .10	< .12	< .09
5	17	HOLLISTER APCD	< .10	.06	.07	< .09	.07
6	16	VERTICARE	< .10	.13	.06	< .09	< .10
7	15	YODER BROTHERS	< .11	< .10	.08	.08	< .11
8	14	YOUTH SCI. CTR.	< .10	< .10	< .11	< .10	< .10
9	18	GONZALES H.S.	< .11	< .11	< .10	< .10	< .09

CONCENTRATION OF ZN DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.22	.29	.52	.59	.11	.13	< .11
1	2	ANAHEIM F.S. 2	.29	.29	.34	.14	.12	.10	.21
2	3	PALM HARBOR MED. CTR.	.28	.27	.17	.18	< .10	.12	.13
3	8	FULLERTON F.S. 5	.26	.43	.37	.27	.25	.15	.21
4	7	ORANGE F.S. 3	.30	.19	.26	.12	.16	.25	.08
5	9	ANAHEIM F.S. 8	.24	.28	.30	.21	.10	< .10	< .10
6	14	FEATHERLY PARK	.21	.28	.28	.18	.10	< .10	< .09
7	19	CORONA FOREST F.S.	.24	.22	.28	.15	.15	< .08	.17
8	20	RIVERSIDE F.S. 8	.25	.30	.21	.20	.18	.18	
9	21	RIVERSIDE CENTRAL F.S	.41	.46	.32	.41	.75	.16	.21

CONCENTRATION OF ZN DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.27	.23	.17	.09	.17	.16	.09
1	2	ANAHEIM F.S. 2	.22	.24	.25	.16	.23	.24	.12
2	3	PALM HARBOR MED. CTR.	< .10	< .11		< .11	< .09	< .11	
3	8	FULLERTON F.S. 5	.25	.13	.28	.26	.33	< .10	.24
4	7	ORANGE F.S. 3	.12	.26	.30	< .09	.18	.12	< .08
5	9	ANAHEIM F.S. 8	.20	.45	.31	.27	.08	< .09	< .09
6	14	FEATHERLY PARK	.09	.13	.12	.16	.06	.07	< .10
7	19	CORONA FOREST F.S.	.68	.29	.34	.22	.23	< .07	.20
8	20	RIVERSIDE F.S. 8	.36	.19	.25	.21	.26	.22	.22
9	21	RIVERSIDE CENTRAL F.S	.82	.44	.22	.39	.17	.18	.23

CONCENTRATION OF ZN DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.72	.22	< .11	< .11	< .10	< .33	.21
1	2	ANAHEIM F.S. 2	.72	.27	.14	.16	.20	.18	.14
2	3	PALM HARBOR MED. CTR.	.21	.15	< .22	< .10	< .10	.08	< .12
3	8	FULLERTON F.S. 5	.65			< .14	.22	< .10	< .10
5	9	ANAHEIM F.S. 8	.43	.23	< .11	.17	< .11	< .10	.17
6	14	FEATHERLY PARK	.79	.14	.14	.18	< .11	< .11	< .11
7	19	CORONA FOREST F.S.	1.48	.41	.10	.16	.33	< .09	.19
8	20	RIVERSIDE F.S. 8	.14	.15	.14	< .12	.05	.17	.21
9	21	RIVERSIDE CENTRAL F.S	.28	< .10	.15	.10	.10	< .11	.26

CONCENTRATION OF ZN DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.38	.28	< .11	< .11	< .11	< .11	< .11
1	2	ANAHEIM F.S. 2		.28	< .10	.07	.26	.30	.25
2	3	PALM HARBOR MED. CTR.		.29	.10	< .11	.15	< .11	.10
3	8	FULLERTON F.S. 5	.31	.40	< .12	< .12	.11	< .11	< .12
4	5	WHITTIER APCD	< .10	< .11	< .11	< .11	< .10	< .10	< .10
5	17	POMONA APCD	.37	.29	.26	< .10	< .10	< .12	< .12
6	14	FEATHERLY PARK	.16	.14	.16	.13	< .10	< .09	< .11
7	16	AZUSA APCD	.95	.55	.46	.14	< .11		< .11
8	20	RIVERSIDE F.S. 8	.46	< .12	< .10	.19	< .10	.19	< .11
9	21	RIVERSIDE CENTRAL F.S	1.01	.11	< .11	< .12	< .11	< .12	< .12

CONCENTRATION OF ZN DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.09	.07	.06	.08	.37	.46	.22
1	2	ANAHEIM F.S. 2	< .11	.18	.10	.18	.26	.34	.24
2	3	PALM HARBOR MED. CTR.	< .10	< .10	< .12	.10	.28	.20	< .11
3	8	FULLERTON F.S. 5	.08	.10	.06	.17	.21	.26	.21
4	5	WHITTIER APCD	.13	< .09	.17	.36	.39	.26	.27
5	17	POMONA APCD						.18	.81
6	14	FEATHERLY PARK			< .10	.18	.08	< .08	.05
8	20	RIVERSIDE F.S. 8	.20	.29	.12	.09	.12	.12	.15
9	21	RIVERSIDE CENTRAL F.S	< .11	.19		< .11			< .12

CONCENTRATION OF ZN DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.05	< .11	.26	.26	.29	.29	.20
1	2	ANAHEIM F.S. 2	< .12	.25	< .12	.24	.19	.15	.41
2	3	PALM HARBOR MED. CTR.	< .11	.10	.23	.38	.25	.29	.13
3	8	FULLERTON F.S. 5	< .12	.12	< .13	.17	< .12	.22	.22
4	5	WHITTIER APCD	.33	.23	.24	.21	.29	.25	.22
5	17	POMONA APCD	.34	.35	.19	.25	.21	.41	.53
6	14	FEATHERLY PARK	.21	< .11	.32	.28	.36	.21	.32
7	16	AZUSA APCD	.50	.61	.34	.27	.41		.29
8	20	RIVERSIDE F.S. 8	.21	< .10	.20	.18	.24	.17	.31
9	21	RIVERSIDE CENTRAL F.S	.08	.16		.15			.30

CONCENTRATION OF BR — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .10	< .13	< .12	< .12	< .12	< .13	< .12	.10
2	4	SALINAS F.S. 5	< .11	.11	< .10	.09	< .11	< .11	< .11	< .12
3	2	GARIN CO.	< .16	< .21	< .15	< .16	< .16	< .17	< .17	< .18
4	6	FORT ORD	< .13	.08	< .12	< .13	< .12	.10	< .12	< .12
5	17	HOLLISTER APCD	< .10	< .10	< .11	< .12	< .13	< .11	< .12	< .10
6	16	VERTICARE	< .11	< .11	< .12	< .11	< .11	< .11	< .11	< .12
7	15	YODER BROTHERS	.15	.15	< .10	.09	< .11	.09	.18	< .10
8	14	YOUTH SCI. CTR.	< .10	< .10						
9	18	GONZALES H.S.	< .13	< .13	.13	< .13	< .11	.11	.11	< .12

CONCENTRATION OF BR — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.11	< .11	< .11	< .12	< .11
2	4	SALINAS F.S. 5	< .10	< .11	< .11	< .11	< .10
3	2	GARIN CO.	< .21	< .21	< .20	< .19	< .19
4	6	FORT ORD	< .12	< .11	< .12	< .11	.13
5	17	HOLLISTER APCD	< .11	< .12	< .12	< .12	< .11
6	16	VERTICARE	< .10	< .10	< .10	< .10	< .10
7	15	YODER BROTHERS	.11	< .10	< .13	.09	< .12
8	14	YOUTH SCI. CTR.	< .12	< .12	.12	.12	< .13
9	18	GONZALES H.S.	.09	.13	< .10	.06	.10

CONCENTRATION OF BR — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .16	< .16	< .14	< .13	< .15
1	5	ANDERSON RANCH	< .10	< .10	< .12	< .13	< .12
2	4	SALINAS F.S. 5	< .10	< .10	< .10	< .10	< .11
3	2	GARIN CO.	.19		< .14	< .12	< .13
4	6	FORT ORD	< .12	< .11	< .12	< .13	.09
5	17	HOLLISTER APCD	< .11	< .11	< .12	< .11	< .10
6	16	VERTICARE	< .11	< .12	< .12	< .10	< .11
7	15	YODER BROTHERS	< .13	< .12	< .13	< .13	< .13
8	14	YOUTH SCI. CTR.	< .11	< .10	< .13	< .11	< .11
9	18	GONZALES H.S.	< .13	< .13	.08	< .12	< .11

CONCENTRATION OF BR DAY D

AIHL SITE	CIT SITE	SITE NAME	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.76	.54	.45	.76	.72	.46	.28
1	2	ANAHEIM F.S. 2	.80	.83	.59	.82	1.09	.80	.77
2	3	PALM HARBOR MED. CTR.	.44	.23	.25	.18	.34	.35	.63
3	8	FULLERTON F.S. 5	.76	.55	.52	.45	.68	.36	.14
4	7	ORANGE F.S. 3	.41	.37	.31	< .11	.27	.26	.38
5	9	ANAHEIM F.S. 8	.40	.54	.31	.25	.36	.38	.43
6	14	FEATHERLY PARK	.40	.37	.31	.32	.43	.35	.38
7	19	CORONA FOREST F.S.	.39	.46	.47	.29	.42	< .10	.24
8	20	RIVERSIDE F.S. 8	.48	.51	.34	.46	.38	.66	
9	21	RIVERSIDE CENTRAL F.S	.54	.39	.36	.48	.21	.38	.40

CONCENTRATION OF BR DAY F

AIHL SITE	CIT SITE	SITE NAME	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.58	.68	.60	.69	.74	.74	1.90
1	2	ANAHEIM F.S. 2	.78	.42	.79	.82	1.28	1.44	1.22
2	3	PALM HARBOR MED. CTR.		.30	.31		.27	.54	.74
3	8	FULLERTON F.S. 5	.51	< .16	.81	.84	.81	.66	1.06
4	7	ORANGE F.S. 3	.19	.26	.47	.22	.35	.49	.70
5	9	ANAHEIM F.S. 8	.45	.35	.52	.96	.64	.36	.58
6	14	FEATHERLY PARK	.25	.29	.55	.59	.52	.55	.70
7	19	CORONA FOREST F.S.	.87	.40	.51	.52	.63	< .10	.92
8	20	RIVERSIDE F.S. 8	.50	.56	.64	.85	.76	.60	.92
9	21	RIVERSIDE CENTRAL F.S	.59	.54	.45	.50	.57	.60	1.23

CONCENTRATION OF BR DAY G

AIHL SITE	CIT SITE	SITE NAME	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	.57	.46	.49	.63	.80	.81	1.56
1	2	ANAHEIM F.S. 2	.94	1.08	.84	1.75	1.55	1.62	1.04
2	3	PALM HARBOR MED. CTR.	1.29	.46	< .48	.26	.38	.44	< .17
3	8	FULLERTON F.S. 5	.62			.49	.89	1.81	1.35
5	9	ANAHEIM F.S. 8	.69	.68	.29	.42	.93	.79	.78
6	14	FEATHERLY PARK	.49	.47	.28	.48	.95	.68	.59
7	19	CORONA FOREST F.S.	.52	.34	.39	.38	.36	< .11	.36
8	20	RIVERSIDE F.S. 8	.51	.18	.68	.46	.61	.72	1.36
9	21	RIVERSIDE CENTRAL F.S	.83	< .13	.30	< .13	1.21	2.04	2.02

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CONCENTRATION OF BR DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.13	.70	.19	.47	.48	.46	.82
1	2	ANAHEIM F.S. 2		.83	.97	.93	1.25	.84	1.63
2	3	PALM HARBOR MED. CTR.		.45	.27	.19	< .13	.53	1.08
3	8	FULLERTON F.S. 5	.80	.65	.50	.37	.18	.23	1.02
4	5	WHITTIER APCD	.32	< .17	< .16	< .16	< .14	< .14	< .15
5	17	POMONA APCD	.73	.52	.44	.40	.30	.53	.53
6	14	FEATHERLY PARK	.35	.38	.42	.47	.42	.47	.38
7	16	AZUSA APCD	.68	.57	< .12	.23	.35		.44
8	20	RIVERSIDE F.S. 8	.38	.31	< .15	.23	.17	.32	.42
9	21	RIVERSIDE CENTRAL F.S	.48	.14	.33	.22	< .17	.22	.65

CONCENTRATION OF BR DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.41	.35	.41	1.10	1.73	2.50	2.46
1	2	ANAHEIM F.S. 2	.48	.53	.74	1.53	1.71	2.00	2.90
2	3	PALM HARBOR MED. CTR.	.16	< .12	< .14	.39	.75	1.33	2.82
3	8	FULLERTON F.S. 5	.43	.41	.46	.90	1.40	1.62	1.56
4	5	WHITTIER APCD	.27	< .10	.21	.67	1.77	2.06	2.12
5	17	POMONA APCD						2.02	1.80
6	14	FEATHERLY PARK			< .12	.81	.77	.09	.10
8	20	RIVERSIDE F.S. 8	.27	.30	.79	.61	.46	.91	1.64
9	21	RIVERSIDE CENTRAL F.S<	.13	< .12		.28			.69

CONCENTRATION OF BR DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.24	.48	.50	1.54	2.63	3.37	3.03
1	2	ANAHEIM F.S. 2	.20	.63	.77	1.29	2.26	3.31	3.14
2	3	PALM HARBOR MED. CTR.	.31	.27	.37	.66	.63	1.08	1.35
3	8	FULLERTON F.S. 5	.21	.23	.47	.42	2.63	2.12	2.17
4	5	WHITTIER APCD	.25	.29	.40	.45	2.70	2.17	1.53
5	17	POMONA APCD	.20	.23	.21	.72	1.35	1.69	1.42
6	14	FEATHERLY PARK <	.12	< .12	.25	.73	1.04	1.08	.87
7	16	AZUSA APCD <	.16	< .14	.21	.92	.99		.27
8	20	RIVERSIDE F.S. 8 <	.23	< .14	.89	.51	.87	.90	1.20
9	21	RIVERSIDE CENTRAL F.S	.32	.12		.30			2.10

CONCENTRATION OF PB — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	.21	.26	.22	< .24	.20	.26	< .24	.33
2	4	SALINAS F.S. 5	.48	.36	< .20	.29	.43	< .22	< .22	.27
3	2	GARIN CO.	.70	.84	< .30	< .31	< .32	< .35	< .33	< .35
4	6	FORT ORD	< .26	.44	< .25	< .25	.28	.26	< .23	< .23
5	17	HOLLISTER APCD	.22	.28	< .21	< .24	.54	.34	< .24	.22
6	16	VERTICARE	< .22	< .22	.20	< .22	< .22	.18	.25	< .24
7	15	YODER BROTHERS	.61	.82	.30	.26	.34	.38	.39	.70
8	14	YOUTH SCI. CTR.	.30	.31						
9	18	GONZALES H.S.	.38	.36	.53	.34	.48	.54	.39	.25

CONCENTRATION OF PB — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	.24	< .22	< .23	< .23	< .22
2	4	SALINAS F.S. 5	.47	< .21	< .21	< .22	< .19
3	2	GARIN CO.	.70	< .42	< .40	< .38	< .38
4	6	FORT ORD	.36	.34	< .23	.16	< .23
5	17	HOLLISTER APCD	.54	.28	< .23	< .23	< .21
6	16	VERTICARE	.21	< .19	.11	< .20	< .21
7	15	YODER BROTHERS	.31	.39	< .25	.39	< .24
8	14	YOUTH SCI. CTR.	.31	.44	.35	.66	< .25
9	18	GONZALES H.S.	.39	.30	.27	.18	.21

CONCENTRATION OF PB — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .31	< .31	< .28	< .28	< .29
1	5	ANDERSON RANCH	< .20	.14	< .25	.30	.25
2	4	SALINAS F.S. 5	.20	.13	< .20	< .20	< .22
3	2	GARIN CO.	.52		.33	< .22	< .27
4	6	FORT ORD	< .23	< .22	.27	.31	.43
5	17	HOLLISTER APCD	< .23	< .21	.34	< .22	.18
6	16	VERTICARE	.25	< .23	< .23	< .21	< .23
7	15	YODER BROTHERS	.42	.55	< .25	.29	< .25
8	14	YOUTH SCI. CTR.	.36	.25	.25	.24	< .21
9	18	GONZALES H.S.	.41	.59	.29	< .24	< .21

CONCENTRATION OF PB DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.35	2.68	1.94	2.16	2.29	2.08	1.89
1	2	ANAHEIM F.S. 2	3.83	3.42	2.72	2.88	3.63	2.29	2.66
2	3	PALM HARBOR MED. CTR.	2.25	1.42	1.05	.85	1.20	1.43	1.77
3	8	FULLERTON F.S. 5	3.19	3.45	2.62	2.37	2.80	1.49	1.39
4	7	ORANGE F.S. 3	2.87	2.35	1.36	1.13	1.25	1.08	1.58
5	9	ANAHEIM F.S. 8	2.61	2.95	1.71	1.62	1.58	1.38	1.31
6	14	FEATHERLY PARK	1.88	2.04	1.34	1.65	1.71	1.37	1.32
7	19	CORONA FOREST F.S.	2.14	2.04	1.85	1.62	1.45	< .19	1.33
8	20	RIVERSIDE F.S. 8	2.33	2.33	2.08	2.14	2.15	2.30	
9	21	RIVERSIDE CENTRAL F.S	2.36	2.35	2.05	2.02	1.97	1.57	1.38

CONCENTRATION OF PB DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.11	4.67	3.52	3.45	2.88	3.30	6.69
1	2	ANAHEIM F.S. 2	2.69	2.75	3.71	4.15	3.99	5.04	4.40
2	3	PALM HARBOR MED. CTR.		1.54	1.68		1.96	3.26	4.21
3	8	FULLERTON F.S. 5	2.04	< .32	3.94	2.80	3.21	3.98	4.45
4	7	ORANGE F.S. 3	1.10	1.76	2.33.	2.04	1.60	2.31	2.31
5	9	ANAHEIM F.S. 8	1.67	2.24	2.44	8.14	2.83	2.32	2.71
6	14	FEATHERLY PARK	1.54	1.41	2.20	2.91	2.41	2.73	2.89
7	19	CORONA FOREST F.S.	3.03	1.84	2.19	2.66	2.75	< .20	3.71
8	20	RIVERSIDE F.S. 8	2.77	2.48	2.90	3.36	2.96	2.72	4.36
9	21	RIVERSIDE CENTRAL F.S	2.73	1.92	1.83	2.48	3.28	2.36	4.99

CONCENTRATION OF PB DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.00	2.72	1.85	3.21	3.93	3.53	6.49
1	2	ANAHEIM F.S. 2	3.97	4.92	3.58	6.16	5.62	5.86	5.41
2	3	PALM HARBOR MED. CTR.	6.54	1.77	< .95	1.84	2.24	2.16	2.24
3	8	FULLERTON F.S. 5	2.93			2.06	4.14	6.26	4.58
5	9	ANAHEIM F.S. 8	2.77	3.23	1.43	2.47	4.05	4.52	3.95
6	14	FEATHERLY PARK	1.68	3.01	1.41	2.72	3.87	3.57	2.94
7	19	CORONA FOREST F.S.	1.99	1.77	1.62	1.76	2.73	< .22	1.74
8	20	RIVERSIDE F.S. 8	1.86	.89	3.46	1.09	1.85	3.66	5.42
9	21	RIVERSIDE CENTRAL F.S	3.41	.59	.97	.97	4.17	5.94	6.09

CONCENTRATION OF PB DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.88	3.37	1.26	2.01	2.38	2.42	3.24
1	2	ANAHEIM F.S. 2		3.20	3.45	3.09	3.80	3.26	5.22
2	3	PALM HARBOR MED. CTR.		2.05	1.01	.88	.58	1.78	2.83
3	8	FULLERTON F.S. 5	3.54	3.55	1.98	2.03	1.84	1.13	3.45
4	5	WHITTIER APCD	1.09	.52	< .32	< .31	< .28	.37	.88
5	17	POMONA APCD	3.11	2.78	2.17	1.77	.74	1.98	2.62
6	14	FEATHERLY PARK	1.22	2.17	1.98	1.52	1.61	1.38	1.22
7	16	AZUSA APCD	3.71	3.10	2.19	1.47	1.72		1.82
8	20	RIVERSIDE F.S. 8	2.45	2.24	.56	1.07	1.06	2.18	1.62
9	21	RIVERSIDE CENTRAL F.S	1.85	.88	1.67	.66	1.10	1.00	2.84

CONCENTRATION OF PB DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	1.80	1.25	1.62	3.27	5.97	8.66	7.53
1	2	ANAHEIM F.S. 2	1.85	2.25	2.77	5.02	6.23	6.94	8.14
2	3	PALM HARBOR MED. CTR.	.64	.53	< .28	1.29	3.00	4.51	7.34
3	8	FULLERTON F.S. 5	1.70	1.27	1.50	2.91	5.32	5.17	5.06
4	5	WHITTIER APCD	1.42	.69	1.67	2.70	7.02	6.79	6.27
5	17	POMONA APCD						6.44	5.82
6	14	FEATHERLY PARK			1.24	2.32	2.71	< .21	< .21
8	20	RIVERSIDE F.S. 8	.85	.93	2.64	1.85	1.62	2.92	5.96
9	21	RIVERSIDE CENTRAL F.S	.86	.82		1.29			2.74

CONCENTRATION OF PB DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.87	2.07	2.01	6.02	8.68	11.30	10.00
1	2	ANAHEIM F.S. 2	.91	2.29	3.06	4.35	7.59	10.10	9.66
2	3	PALM HARBOR MED. CTR.	1.35	1.05	1.36	2.78	2.61	4.89	4.68
3	8	FULLERTON F.S. 5	1.11	1.27	2.02	2.04	6.80	7.06	6.76
4	5	WHITTIER APCD	1.04	1.16	2.34	2.48	9.17	7.43	4.88
5	17	POMONA APCD	.98	.70	1.13	2.76	4.64	5.62	4.98
6	14	FEATHERLY PARK	.67	.40	1.43	2.88	3.37	3.43	2.85
7	16	AZUSA APCD	1.27	.69	.87	3.00	3.87		1.16
8	20	RIVERSIDE F.S. 8	.95	.95	3.22	1.67	3.14	3.34	4.23
9	21	RIVERSIDE CENTRAL F.S	1.40	.65		1.32			6.51

APPENDIX D

SELECTED FILTER CHEMISTRY DATA EXPRESSED AS PERCENT OF TOTAL MASS

To aid in the interpretation of the data, the concentrations reported in Appendix C were divided by the total mass of aerosol and reported as percentage. The more useful results are presented here, and include data for sulfate, nitrate, Na, Si, S, Cl at Moss Landing, and Pb in the South Coast Air Basin.

% CONCENTRATION OF SO4 DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< 1.99	2.71	< 2.66	3.27	1.86	< 1.85	< 2.07	< 2.26
2	4	SALINAS F.S. 5	6.16	2.70	2.15	< 2.17	< 2.14	2.74	3.52	3.38
3	2	GARIN CO.	3.24	< 1.38	< 1.27	< 1.81	< 2.57	< 3.11	< 2.77	< 2.46
4	6	FORT ORD	3.75	< 2.34	< 2.01	< 2.66	< 2.52	< 2.51	3.11	< 2.29
5	17	HOLLISTER APCD	2.88	3.79	3.36	5.97	8.24	4.40	4.26	5.25
6	16	VERTICARE	5.59	2.94	2.38	2.31	2.08	2.42	3.17	3.49
7	15	YODER BROTHERS	4.03	2.64	2.17	3.12	2.33	2.83	3.32	4.37
8	14	YOUTH SCI. CTR.	3.23	4.21						
9	18	GONZALES H.S.	5.36	2.84	2.91	3.50	2.92	3.02	4.95	4.49

% CONCENTRATION OF SO4 DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	5.13	8.39	15.32	21.43	30.95
2	4	SALINAS F.S. 5	5.47	3.91	12.62	14.02	11.54
3	2	GARIN CO.	< 1.37	2.99	7.25	9.35	9.16
4	6	FORT ORD	3.77	5.89	11.85	12.96	10.73
5	17	HOLLISTER APCD	3.89	3.18	2.75	8.86	13.11
6	16	VERTICARE	5.58	3.56	3.85	5.25	18.68
7	15	YODER BROTHERS	3.62	3.77	6.37		
8	14	YOUTH SCI. CTR.	3.11	4.07	7.11	12.41	11.83
9	18	GONZALES H.S.	4.52	3.83	5.36	11.33	15.76

% CONCENTRATION OF SO4 DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	15.04	9.47	16.68	16.68	10.23
1	5	ANDERSON RANCH	< 3.11	< 2.97	14.32	12.35	13.36
2	4	SALINAS F.S. 5	3.86	8.85	13.87	13.58	12.99
3	2	GARIN CO.	3.36	6.30	6.93	10.00	11.94
4	6	FORT ORD	10.55	8.51	11.37	11.00	14.15
5	17	HOLLISTER APCD	10.52	6.25	11.11	13.10	17.14
6	16	VERTICARE	6.77	4.55	6.49	6.80	3.68
7	15	YODER BROTHERS	5.32	5.01	7.13	11.22	9.32
8	14	YOUTH SCI. CTR.	6.17	4.97	5.70	9.80	6.81
9	18	GONZALES H.S.	7.92	6.21	6.60	6.40	11.14

% CONCENTRATION OF SO4 DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	23.51	28.71	24.25	15.89	13.73	16.36	16.99
1	2	ANAHEIM F.S. 2	24.34	26.17	22.52	12.80	14.55	16.36	14.85
2	3	PALM HARBOR MED. CTR.	23.64	28.14	21.78	10.13	9.00	13.24	10.96
3	8	FULLERTON F.S. 5	20.71	24.17	22.56	11.65	9.69	11.95	13.24
4	7	ORANGE F.S. 3	21.47	26.85	26.04	12.08	10.50	13.09	12.97
5	9	ANAHEIM F.S. 8	17.19	21.38	21.64	12.59	7.40	7.90	9.39
6	14	FEATHERLY PARK	20.41	25.07	25.74	17.36	12.52	12.92	14.38
7	19	CORONA FOREST F.S.	14.36	16.57	13.19	11.62	8.48		10.04
8	20	RIVERSIDE F.S. 8	14.40	14.10	13.01	16.97	9.92	13.65	5.81
9	21	RIVERSIDE CENTRAL F.S	14.46	12.10	10.04	12.40	7.56	6.29	7.43

% CONCENTRATION OF SO4 DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	20.80	20.32	19.80	22.38	17.77	16.71	11.25
1	2	ANAHEIM F.S. 2	20.74	24.52	21.50	21.77	18.22		12.21
2	3	PALM HARBOR MED. CTR.		22.26	20.20	22.01	18.45	12.48	11.83
3	8	FULLERTON F.S. 5	16.71	24.17	19.23	28.19		10.87	10.46
4	7	ORANGE F.S. 3	19.62	23.82	27.26	23.63	19.03	17.03	18.33
5	9	ANAHEIM F.S. 8	25.14	25.19	25.93	16.33	15.18	15.31	14.79
6	14	FEATHERLY PARK	25.68	23.64	22.10	20.89	20.33	18.76	20.51
7	19	CORONA FOREST F.S.	11.00	15.78	14.08	21.14	19.66		7.43
8	20	RIVERSIDE F.S. 8	13.21	15.28	11.00	11.92	12.75	10.96	8.81
9	21	RIVERSIDE CENTRAL F.S	16.47	17.51	14.01	13.57	11.51	9.71	9.65

% CONCENTRATION OF SO4 DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.85	9.60	16.43	15.86	9.64	6.97	7.69
1	2	ANAHEIM F.S. 2	3.29	4.92	11.42	11.59	9.43	7.83	8.86
2	3	PALM HARBOR MED. CTR.	2.74	6.67	8.43	7.53	5.68	7.64	11.44
3	8	FULLERTON F.S. 5	4.00	7.84	9.75	10.16	8.63	10.20	4.95
5	9	ANAHEIM F.S. 8	5.01	5.67	8.56	6.55	5.38	6.88	7.81
6	14	FEATHERLY PARK	6.16	8.23	11.53	10.67	8.19	8.95	8.99
7	19	CORONA FOREST F.S.	1.18	2.70	7.12	5.22	3.75		2.88
8	20	RIVERSIDE F.S. 8	< 1.34	< 14.44	3.47	5.44	5.16	3.76	2.19
9	21	RIVERSIDE CENTRAL F.S	< 1.17	< 5.23	2.44	4.37	2.30	1.51	1.49

% CONCENTRATION OF SO4 DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	8.60	12.18	14.48	18.04	9.89	8.18	5.82
1	2	ANAHEIM F.S. 2		12.19	7.91	9.22	6.30	5.58	3.55
2	3	PALM HARBOR MED. CTR.		9.58	6.55	5.69	6.44	6.75	3.15
3	8	FULLERTON F.S. 5	8.55	10.16	8.88	6.11	9.34	6.97	4.48
4	5	WHITTIER APCD	4.96	< 4.82	< 5.98	< 6.53	< 7.68	< 6.20	< 5.96
5	17	POMONA APCD	5.45	6.15	6.17	5.60	7.20	7.09	5.77
6	14	FEATHERLY PARK	11.95	11.67	10.30	7.87	9.64	9.57	20.83
7	16	AZUSA APCD	4.10	3.39	4.76	7.33	7.64		8.97
8	20	RIVERSIDE F.S. 8	5.26	9.13	2.26	7.54	10.27	5.05	3.96
9	21	RIVERSIDE CENTRAL F.S	3.91	2.71	8.95	2.35	3.54	14.52	5.91

% CONCENTRATION OF SO4 DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	5.04	5.89	10.35	10.14	4.29	2.34	2.24
1	2	ANAHEIM F.S. 2	5.11	5.16	11.36	10.85	3.65	3.12	1.36
2	3	PALM HARBOR MED. CTR.	6.00	6.07	4.34	3.75	3.69	2.08	< 1.03
3	8	FULLERTON F.S. 5	4.61	4.91	7.34	5.23	3.12	2.67	3.20
4	5	WHITTIER APCD	6.60	6.28	4.65	4.01	3.21	3.35	3.08
5	17	POMONA APCD						3.47	3.34
6	14	FEATHERLY PARK			6.12	4.22	3.83	3.98	5.01
8	20	RIVERSIDE F.S. 8	4.72	6.16	2.39	2.03	1.77	2.15	< .96
9	21	RIVERSIDE CENTRAL F.S	4.48	7.42		2.24			< 1.86

% CONCENTRATION OF SO4 DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	7.73	6.68	17.96	< 1.34	2.00	1.59	2.73
1	2	ANAHEIM F.S. 2	6.84	6.35	23.57	9.04	3.04	1.49	2.90
2	3	PALM HARBOR MED. CTR.	3.33	9.38	8.62	6.38	5.78	4.80	6.49
3	8	FULLERTON F.S. 5	19.25	6.23	13.10	4.71	4.41	4.32	4.56
4	5	WHITTIER APCD	8.77	10.24	6.64	7.23	< 1.86	< 2.17	3.16
5	17	POMONA APCD	3.19	6.20	5.25	4.10	2.95	2.28	2.91
6	14	FEATHERLY PARK	6.97	12.08	10.50	8.52	7.61	7.58	7.39
7	16	AZUSA APCD	4.93	5.70	3.40	2.93	2.99		4.67
8	20	RIVERSIDE F.S. 8	< 1.38	< .73	2.32	7.15	3.21	2.04	2.86
9	21	RIVERSIDE CENTRAL F.S	< 3.11	7.26		5.68			3.05

% CONCENTRATION OF NO3 DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	9.91	8.31	12.95	12.28	9.83	5.80	5.86	4.62
2	4	SALINAS F.S. 5	10.28	11.74	10.87	9.31	11.94	3.54	2.40	3.00
3	2	GARIN CO.	5.28	4.20	2.80	2.50	5.53	1.34	1.19	1.08
4	6	FORT ORD	9.30	4.42	6.47	5.43	15.11	5.56	3.09	3.51
5	17	HOLLISTER APCD	6.15	6.23	4.32	9.38	12.33	13.52	15.49	13.75
6	16	VERTICARE	7.97	6.40	5.24	6.65	8.39	9.34	9.67	5.71
7	15	YODER BROTHERS	5.95	5.42	5.34	10.49	9.29	12.18	2.86	4.10
8	14	YOUTH SCI. CTR.	5.91	5.83						
9	18	GONZALES H.S.	9.47	6.88	12.50	9.40	11.70	12.11	5.93	5.25

% CONCENTRATION OF NO3 DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	13.68	16.74	7.91	4.65	5.82
2	4	SALINAS F.S. 5	10.35	5.53	2.62	3.54	3.62
3	2	GARIN CO.	8.46	8.93	2.61	2.57	2.29
4	6	FORT ORD	12.67	16.67	8.06	5.42	4.35
5	17	HOLLISTER APCD	7.75	7.28	3.22	3.50	4.43
6	16	VERTICARE	10.78	7.30	4.62	1.85	3.06
7	15	YODER BROTHERS	7.13	9.33	4.43	3.29	4.11
8	14	YOUTH SCI. CTR.	8.10	7.78	3.93	4.03	5.20
9	18	GONZALES H.S.	10.41	9.63	6.65	4.19	4.40

% CONCENTRATION OF NO3 DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	2.59	5.84	3.99	3.41	6.56
1	5	ANDERSON RANCH	6.39	7.11	5.73	4.65	4.47
2	4	SALINAS F.S. 5	7.47	7.30	5.20	3.52	3.42
3	2	GARIN CO.	2.58	4.35	5.71	3.44	2.43
4	6	FORT ORD	8.31	6.79	4.36	3.56	5.89
5	17	HOLLISTER APCD	8.78	7.97	4.89	3.91	4.72
6	16	VERTICARE	9.98	7.50	5.66	.97	3.07
7	15	YODER BROTHERS	7.30	6.87	1.91	3.54	3.09
8	14	YOUTH SCI. CTR.	9.37	7.68	5.47	3.41	3.58
9	18	GONZALES H.S.	14.93	10.77	9.20	3.94	3.74

% CONCENTRATION OF NO3 DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	9.73	6.83	5.20	9.43	11.09	13.80	13.90
1	2	ANAHEIM F.S. 2	8.53	3.89	5.34	8.85	9.28	11.78	13.82
2	3	PALM HARBOR MED. CTR.	5.95	2.64	4.44	9.50	8.07	6.92	8.91
3	8	FULLERTON F.S. 5	8.74	3.66	3.62	7.48	9.93	10.03	10.27
4	7	ORANGE F.S. 3	9.40	3.09	3.04	10.37	11.51	12.28	12.79
5	9	ANAHEIM F.S. 8	13.10	2.95	1.97	5.38	8.65	9.26	11.24
6	14	FEATHERLY PARK	15.85	3.76	2.26	9.61	13.05	13.59	13.89
7	19	CORONA FOREST F.S.	22.16	13.54	13.45	17.25	15.66		8.98
8	20	RIVERSIDE F.S. 8	28.70	19.04	10.00	8.90	13.83	10.20	11.61
9	21	RIVERSIDE CENTRAL F.S	25.21	27.50	20.15	21.96	20.69	15.09	1.10

% CONCENTRATION OF NO3 DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	10.45	6.48	11.54	5.69	10.04	13.19	12.02
1	2	ANAHEIM F.S. 2	8.83	4.04	6.91	4.77	8.46	10.93	12.61
2	3	PALM HARBOR MED. CTR.	10.00	5.91	8.16	10.41	11.57	12.24	14.55
3	8	FULLERTON F.S. 5	19.87	5.66	9.05	5.57	10.05	15.77	17.89
4	7	ORANGE F.S. 3	9.81	5.68	5.86	7.89	11.83	16.39	19.02
5	9	ANAHEIM F.S. 8	12.24	8.32	5.18	8.71	11.93	16.44	1.48
6	14	FEATHERLY PARK	13.37	6.90	4.55	7.83	9.13	9.57	8.99
7	19	CORONA FOREST F.S.	26.39	26.87	26.20	23.01	26.24		13.39
8	20	RIVERSIDE F.S. 8	26.60	26.85	23.97	20.80	18.71	23.46	23.40
9	21	RIVERSIDE CENTRAL F.S	22.75	27.87	27.80	25.29	28.40	29.85	28.34

% CONCENTRATION OF NO3 DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	13.95	12.55	6.44	6.03	12.79	21.08	27.50
1	2	ANAHEIM F.S. 2	8.01	11.25	6.37	5.92	14.23	23.02	28.52
2	3	PALM HARBOR MED. CTR.	12.50	11.42	8.42	8.77	16.51	23.85	25.32
3	8	FULLERTON F.S. 5	9.37	9.29	5.40	6.41	9.45	14.05	6.92
5	9	ANAHEIM F.S. 8	7.27	10.51	8.79	6.40	6.88	10.39	9.70
6	14	FEATHERLY PARK	10.63	12.73	9.82	8.58	8.90	10.15	11.03
7	19	CORONA FOREST F.S.	16.32	10.14	9.81	12.27	13.38		8.33
8	20	RIVERSIDE F.S. 8	4.93	34.78	8.44	8.89	7.79	8.92	9.95
9	21	RIVERSIDE CENTRAL F.S	3.46	6.07	9.67	10.03	12.56	9.33	8.17

% CONCENTRATION OF NO3 DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	15.79	12.09	11.44	9.18	9.60	11.35	8.56
1	2	ANAHEIM F.S. 2		10.00	8.76	6.49	6.64	7.18	5.61
2	3	PALM HARBOR MED. CTR.		11.36	8.98	6.23	10.67	6.64	5.97
3	8	FULLERTON F.S. 5	15.56	10.93	9.64	9.10	8.72	9.64	8.01
4	5	WHITTIER APCD	21.80	16.83	13.13	7.96	8.62	7.11	10.22
5	17	POMONA APCD	22.21	20.40	13.94	10.50	9.88	11.48	9.45
6	14	FEATHERLY PARK	20.60	16.27	9.88	12.89	11.01	10.96	11.08
7	16	AZUSA APCD	21.84	19.12	11.46	13.03	10.91		7.40
8	20	RIVERSIDE F.S. 8	21.21	30.67	4.06	15.50	17.20	9.51	7.58
9	21	RIVERSIDE CENTRAL F.S	31.19	17.60	55.96	12.23	7.28	27.34	11.90

% CONCENTRATION OF NO3 DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	20.25	19.25	16.88	13.76	20.93	14.82	13.95
1	2	ANAHEIM F.S. 2	19.68	19.14	14.11	12.71	18.92	16.75	11.57
2	3	PALM HARBOR MED. CTR.	16.28	17.51	16.54	18.58	19.40	16.19	9.92
3	8	FULLERTON F.S. 5	18.78	19.10	14.26	12.00	16.16	16.33	18.29
4	5	WHITTIER APCD	21.34	23.58	19.30	16.55	15.28	14.46	16.50
5	17	POMONA APCD						13.33	13.08
6	14	FEATHERLY PARK			19.66	17.50	12.02	12.59	11.57
8	20	RIVERSIDE F.S. 8	22.50	23.09	14.08	15.61	16.97	13.54	9.39
9	21	RIVERSIDE CENTRAL F.S	24.18	24.49		18.99			

% CONCENTRATION OF NO3 DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	8.80	16.61	9.18	14.68	11.48	8.88	12.18
1	2	ANAHEIM F.S. 2	7.19	18.52	10.60	18.00	13.90	8.15	9.90
2	3	PALM HARBOR MED. CTR.	8.43	11.37	11.62	10.59	12.31	12.19	13.87
3	8	FULLERTON F.S. 5	13.36	16.84	6.98	11.41	13.60	19.82	18.69
4	5	WHITTIER APCD	11.78	13.38	14.41	14.45	9.10	13.07	16.56
5	17	POMONA APCD	24.73	17.11	15.37	14.09	13.87	13.55	15.35
6	14	FEATHERLY PARK	9.85	13.14	10.64	8.96	9.63	10.46	14.13
7	16	AZUSA APCD	14.18	5.96	5.73	7.88	12.30		19.07
8	20	RIVERSIDE F.S. 8	3.10	1.99	8.40	5.57	11.54	7.37	11.44
9	21	RIVERSIDE CENTRAL F.S	5.90	8.58		6.23			12.60

% CONCENTRATION OF NA DAY A SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< 1.43	2.87	4.86	7.46	5.14	9.02	12.94	14.06
2	4	SALINAS F.S. 5	2.09	1.60	6.22	9.03	13.89	30.94	14.36	33.46
3	2	GARIN CO.	.85	1.26	6.08	10.45	13.63	25.24	32.66	24.31
4	6	FORT ORD	2.07	2.68	7.74	17.97	10.41	28.05	34.33	29.41
5	17	HOLLISTER APCD	7.98	1.97	2.25	5.86	10.00	9.06	8.65	5.75
6	16	VERTICARE	2.19	2.08	3.13	3.47	6.79	6.44	11.95	20.00
7	15	YODER BROTHERS	3.44	2.41	3.82	7.46	8.74	10.33	19.71	22.70
8	14	YOUTH SCI. CTR.	1.02	3.63						
9	18	GONZALES H.S.	1.85	2.26	3.47	5.14	6.26	4.81	23.17	23.19

% CONCENTRATION OF NA DAY B SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	2.38	8.26	5.13	13.41	22.38
2	4	SALINAS F.S. 5	5.32	2.21	3.21	17.87	19.21
3	2	GARIN CO.	8.81	8.03	6.85	25.48	26.47
4	6	FORT ORD	22.38	16.88	14.19	37.83	38.58
5	17	HOLLISTER APCD	3.09	2.78	1.77	4.91	12.14
6	16	VERTICARE	5.70	5.95	5.02	8.41	11.05
7	15	YODER BROTHERS	3.59	5.72	5.06	9.75	15.59
8	14	YOUTH SCI. CTR.	6.12	6.48	8.28	22.47	30.10
9	18	GONZALES H.S.	3.96	3.81	3.62	8.15	15.01

% CONCENTRATION OF NA DAY C SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	6.06	< 2.86	2.06	6.68	2.35
1	5	ANDERSON RANCH	2.41	2.24	1.46	4.65	5.83
2	4	SALINAS F.S. 5	< 2.16	2.59	4.05	8.72	7.83
3	2	GARIN CO.	1.24		1.75	3.04	8.33
4	6	FORT ORD	< 2.76	2.71	3.93	10.80	< 2.32
5	17	HOLLISTER APCD	3.00	< 2.67	2.52	1.82	5.02
6	16	VERTICARE	1.51	1.63	1.59	1.60	6.91
7	15	YODER BROTHERS	1.57	1.62	2.31	< 2.22	7.97
8	14	YOUTH SCI. CTR.	3.82	1.43	1.45	3.70	8.78
9	18	GONZALES H.S.	1.56	1.53	< 1.67	< 1.62	6.84

% CONCENTRATION OF NA DAY D

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
			SAMPLING TIME INTERVAL						
0	4	FULLERTON F.S. 2	2.32	3.15	4.33	7.07	7.54	11.97	11.78
1	2	ANAHEIM F.S. 2	2.00	2.20	5.17	9.39	10.38	12.58	14.85
2	3	PALM HARBOR MED. CTR.	2.72	3.46	5.24	8.84	13.14	16.79	13.22
3	8	FULLERTON F.S. 5	1.69	3.93	2.26	6.45	8.59	8.12	7.89
4	7	ORANGE F.S. 3	1.82	2.60	3.29	6.70	12.01	16.01	14.67
5	9	ANAHEIM F.S. 8	1.67	2.18	4.50	5.56	6.70	9.70	13.87
6	14	FEATHERLY PARK	1.35	1.73	2.21	5.49	6.42	11.87	12.61
7	19	CORONA FOREST F.S.	1.30	2.77	2.29	2.15	3.76	< .67	9.49
8	20	RIVERSIDE F.S. 8	.79	1.04	2.90	2.57	3.48	2.46	
9	21	RIVERSIDE CENTRAL F.S	.98	< .31	1.14	2.39	2.24	2.94	7.93

% CONCENTRATION OF NA DAY F

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
			SAMPLING TIME INTERVAL						
0	4	FULLERTON F.S. 2	2.73	2.52	1.27	3.87	4.91	4.30	2.43
1	2	ANAHEIM F.S. 2	2.46	2.74	2.66	3.21	5.62	6.37	3.51
2	3	PALM HARBOR MED. CTR.		4.02	5.56		9.41	8.54	6.15
3	8	FULLERTON F.S. 5	1.68	< .17	.55	1.37	1.15	3.15	2.73
4	7	ORANGE F.S. 3	3.77	3.24	.65	1.28	1.62	1.05	< .90
5	9	ANAHEIM F.S. 8	.49	< .69	< .65	.38	3.21	5.60	3.16
6	14	FEATHERLY PARK	1.64	2.24	1.62	1.61	3.65	3.60	4.41
7	19	CORONA FOREST F.S. <	.34	< .37	< .39	< .66	.82	< .61	< .47
8	20	RIVERSIDE F.S. 8 <	.53	< .53	.25	< .56	1.14	.82	.52
9	21	RIVERSIDE CENTRAL F.S	1.12	.62	.46	.63	.68	< .51	.61

% CONCENTRATION OF NA DAY G

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
			SAMPLING TIME INTERVAL						
0	4	FULLERTON F.S. 2	2.73	5.06	3.09	2.57	4.26	< 1.53	.32
1	2	ANAHEIM F.S. 2	2.24	5.25	3.47	2.91	1.81	< .81	< .70
2	3	PALM HARBOR MED. CTR.	.36	.98	< 1.67	< 1.29	< .91	< .82	< .95
3	8	FULLERTON F.S. 5	2.19			1.71	3.66	4.72	1.54
5	9	ANAHEIM F.S. 8	1.69	2.55	1.18	3.07	< .98	5.15	5.80
6	14	FEATHERLY PARK <	2.64	3.67	2.18	4.34	3.84	3.51	3.21
7	19	CORONA FOREST F.S.	2.55	1.18	2.95	1.85	1.92	< .74	2.55
8	20	RIVERSIDE F.S. 8 <	1.10	< 11.56	2.13	1.67	1.29	1.31	1.51
9	21	RIVERSIDE CENTRAL F.S<	1.08	< 4.24	.55	2.84	1.21	< .91	.84

% CONCENTRATION OF NA DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.32	< .94	< 1.65	.84	3.14	2.13	1.21
1	2	ANAHEIM F.S. 2		.43	.77	< 1.87	< 1.59	1.07	1.16
2	3	PALM HARBOR MED. CTR.		.65	1.10	< 1.96	< 1.33	1.45	.84
3	8	FULLERTON F.S. 5	.50	< .95	< 1.18	1.01	1.09	< 1.74	1.72
4	5	WHITTIER APCD	< 2.47	< 4.36	< 5.19	3.66	< 6.26	< 5.23	2.79
5	17	POMONA APCD	.28	.32	< .87	< 1.16	.91	3.28	1.97
6	14	FEATHERLY PARK	.68	.77	.81	1.13	1.84	1.16	1.83
7	16	AZUSA APCD	.36	.29	.51	< 1.16	.77		1.62
8	20	RIVERSIDE F.S. 8	.51	< 1.10	< .57	< 1.54	< 2.29	< .70	< 1.06
9	21	RIVERSIDE CENTRAL F.S	.70	< .49	< 1.30	< .61	.72	3.27	< 1.78

% CONCENTRATION OF NA DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< 1.75	9.56	10.45	6.47	1.43	1.07	< .97
1	2	ANAHEIM F.S. 2	13.08	12.64	11.18	10.37	3.32	3.18	2.97
2	3	PALM HARBOR MED. CTR.	5.20	7.14	10.99	4.00	1.73	1.22	1.59
3	8	FULLERTON F.S. 5	7.35	8.78	7.41	5.47	2.54	1.75	< 1.15
4	5	WHITTIER APCD	4.32	4.37	3.75	2.27	1.83	1.65	.99
5	17	POMONA APCD						3.32	2.19
6	14	FEATHERLY PARK			5.84	5.11	3.63	< 1.36	< 1.56
8	20	RIVERSIDE F.S. 8	< 1.50	1.04	1.22	5.15	4.19	1.34	1.48
9	21	RIVERSIDE CENTRAL F.S	< 2.10	1.02		6.20			3.32

% CONCENTRATION OF NA DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< 3.84	< 2.06	2.02	1.98	< 1.06	2.10	2.68
1	2	ANAHEIM F.S. 2	< 3.58	< 2.96	3.90	3.48	2.24	< 1.35	< 1.16
2	3	PALM HARBOR MED. CTR.	< 1.78	< 2.02	.93	5.14	4.11	3.56	5.47
3	8	FULLERTON F.S. 5	< 7.14	< 2.35	< 1.89	< 1.13	1.62	2.02	5.70
4	5	WHITTIER APCD	< 2.62	< 2.63	2.30	< 1.26	< 1.01	< 1.09	4.22
5	17	POMONA APCD	< 1.52	< 2.45	< 1.78	2.06	1.50	2.39	1.14
6	14	FEATHERLY PARK	< 2.65	< 3.88	2.01	2.19	1.58	1.68	1.22
7	16	AZUSA APCD	2.42	< 2.45	.88	1.09	1.35		< 1.49
8	20	RIVERSIDE F.S. 8	< 1.43	.94	2.05	1.19	2.71	1.83	< .81
9	21	RIVERSIDE CENTRAL F.S	< 2.22	< 4.01		1.30			< 1.09

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% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF SI DAY A 10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
			SAMPLING TIME INTERVAL							
1	5	ANDERSON RANCH	4.08	5.40	3.02	1.78	4.58	4.17	2.64	.77
2	4	SALINAS F.S. 5	4.19	5.51	5.58	3.70	3.57	.81	.58	.42
3	2	GARIN CO.	4.40	2.33	3.28	6.49	2.63	.58	< .72	2.94
4	6	FORT ORD	2.82	6.41	7.26	2.84	1.83	2.11	1.26	1.12
5	17	HOLLISTER APCD	8.57	5.33	8.26	4.70	4.84	4.64	2.87	3.86
6	16	VERTICARE	4.62	6.97	8.46	7.90	6.47	6.86	4.78	3.15
7	15	YODER BROTHERS	7.67	6.97	7.44	6.88	4.89	5.64	2.45	5.30
8	14	YOUTH SCI. CTR.	3.25	5.06						
9	18	GONZALES H.S.	3.73	6.14	7.18	5.36	6.22	6.02	3.09	2.43

% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF SI DAY B 10-12	12-14	14-16	16-18	18-20
			SAMPLING TIME INTERVAL				
1	5	ANDERSON RANCH	3.36	6.41	4.56	1.25	1.20
2	4	SALINAS F.S. 5	2.58	6.78	7.20	.70	1.64
3	2	GARIN CO.	4.25	3.18	4.01	2.11	< 1.03
4	6	FORT ORD	6.99	5.43	4.45	1.55	2.19
5	17	HOLLISTER APCD	5.15	7.11	10.33	5.53	1.20
6	16	VERTICARE	6.07	7.95	7.80	7.03	4.63
7	15	YODER BROTHERS	5.87	7.35	9.91	5.90	1.05
8	14	YOUTH SCI. CTR.	4.55	5.77	5.19	3.61	1.88
9	18	GONZALES H.S.	6.54	7.63	8.96	8.40	3.76

% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF SI DAY C 10-12	12-14	14-16	16-18	18-20
			SAMPLING TIME INTERVAL				
0	3	UNIDYNAMICS	.72	.60	.95		1.71
1	5	ANDERSON RANCH	1.09	3.28	.54	< .89	.74
2	4	SALINAS F.S. 5	1.34	1.80		.82	< .83
3	2	GARIN CO.	1.93		2.66	2.40	2.19
4	6	FORT ORD	1.22	4.33	2.73	1.47	< .81
5	17	HOLLISTER APCD	4.76	4.88	8.22	4.31	.92
6	16	VERTICARE	2.60	3.53	4.11	3.81	5.47
7	15	YODER BROTHERS	6.36	4.39	5.37	4.35	2.17
8	14	YOUTH SCI. CTR.	2.50	2.83	4.79	1.82	1.16
9	18	GONZALES H.S.	2.52	2.65	2.95	5.30	2.23

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% CONCENTRATION OF SI DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.15	1.90	2.49	3.22	2.12	1.10	.92
1	2	ANAHEIM F.S. 2	2.56	2.30	3.50	4.79	3.12	2.13	1.19
2	3	PALM HARBOR MED. CTR.	3.17	3.09	4.34	3.47	2.56	2.55	2.09
3	8	FULLERTON F.S. 5	1.47	3.40	4.20	4.09	2.82	4.91	3.34
4	7	ORANGE F.S. 3	2.45	2.61	3.57	3.50	4.03	1.57	1.68
5	9	ANAHEIM F.S. 8	3.02	4.20	6.36	6.06	5.20	2.40	3.85
6	14	FEATHERLY PARK	2.09	3.27	4.42	3.84	3.74	2.24	2.89
7	19	CORONA FOREST F.S.	2.38	3.57	6.81	3.25	4.06	< .23	4.08
8	20	RIVERSIDE F.S. 8	1.79	2.31	3.12	4.14	3.48	4.39	
9	21	RIVERSIDE CENTRAL F.S	2.16	1.99	3.89	3.72	2.83	3.75	4.10

% CONCENTRATION OF SI DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.23	2.35	2.34	1.95	1.43	1.65	1.68
1	2	ANAHEIM F.S. 2	.82	1.99	2.28	2.04	2.14	1.77	1.71
2	3	PALM HARBOR MED. CTR.		1.99	3.15		1.93	2.44	1.98
3	8	FULLERTON F.S. 5	1.70	< .03	.89	.71	.35	1.87	1.80
4	7	ORANGE F.S. 3	3.69	2.71	< .22	.41	.17	.20	< .30
5	9	ANAHEIM F.S. 8	< .27	< .22	.32	.11	3.33	2.80	2.15
6	14	FEATHERLY PARK	1.87	2.17	2.39	2.46	2.87	1.84	2.56
7	19	CORONA FOREST F.S.	.45	< .12	.62	.71	1.03	< .21	.60
8	20	RIVERSIDE F.S. 8	.83	.96	2.10	1.89	3.01	2.12	2.16
9	21	RIVERSIDE CENTRAL F.S	2.26	1.87	2.56	3.15	2.67	1.48	1.28

% CONCENTRATION OF SI DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	5.57	4.43	4.15	3.72	2.68	.29	.78
1	2	ANAHEIM F.S. 2	3.95	4.42	4.87	3.80	3.36	1.24	.97
2	3	PALM HARBOR MED. CTR.	4.11	2.17	1.08	2.99	2.50	1.32	< .32
3	8	FULLERTON F.S. 5	2.86			2.57	4.36	3.31	2.12
5	9	ANAHEIM F.S. 8	6.44	4.59	2.86	3.09	4.50	3.81	4.87
6	14	FEATHERLY PARK	1.70	3.47	3.77	3.93	5.13	5.45	4.51
7	19	CORONA FOREST F.S.	5.36	3.85	5.18	5.64	6.56	< .26	7.73
8	20	RIVERSIDE F.S. 8	4.14	15.78	4.67	3.98	5.48	3.69	8.34
9	21	RIVERSIDE CENTRAL F.S	5.27	5.23	3.39	4.76	5.01	3.40	2.32

% CONCENTRATION OF SI DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.23	1.93	2.11	1.57	4.52	1.12	2.63
1	2	ANAHEIM F.S. 2		1.70	2.72	1.61	1.71	< .60	.92
2	3	PALM HARBOR MED. CTR.		1.43	.63	< .67	< .45	1.61	.89
3	8	FULLERTON F.S. 5	1.95	2.15	2.40	2.25	3.09	1.94	1.68
4	5	WHITTIER APCD	.63	1.47	< 1.78	1.27	< 2.15	1.01	9.89
5	17	POMONA APCD	1.07	1.13	1.17	3.08	3.06	2.17	1.86
6	14	FEATHERLY PARK	1.07	3.20	3.00	1.48	2.27	1.47	2.01
7	16	AZUSA APCD	2.16	2.50	3.39	2.41	1.34		2.53
8	20	RIVERSIDE F.S. 8	1.05	2.33	.17	5.73	4.15	3.45	3.96
9	21	RIVERSIDE CENTRAL F.S	5.17	2.25	5.11	2.53	2.29	8.93	2.97

% CONCENTRATION OF SI DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	< .59	.38	.89	.37	.66	1.43	1.29
1	2	ANAHEIM F.S. 2	.48	< .80	.32	.43	.96	1.20	1.29
2	3	PALM HARBOR MED. CTR.	< .67	1.01	< 1.00	.29	.93	.87	1.36
3	8	FULLERTON F.S. 5	1.33	1.93	3.20	.94	1.54	.66	< .37
4	5	WHITTIER APCD	.49	< .51	< .57	1.44	1.33	.71	.39
5	17	POMONA APCD						.60	1.16
6	14	FEATHERLY PARK			2.07	< .71	1.84	< .47	< .54
8	20	RIVERSIDE F.S. 8	.71	1.25	.90	1.24	< .50	1.26	1.61
9	21	RIVERSIDE CENTRAL F.S	< .72	.38		1.09			1.38

% CONCENTRATION OF SI DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	5.16	3.94	3.51	3.23	3.97	3.92	3.23
1	2	ANAHEIM F.S. 2	3.93	4.32	4.15	3.96	3.89	3.83	3.74
2	3	PALM HARBOR MED. CTR.	2.38	3.10	2.03	5.87	2.43	2.40	2.49
3	8	FULLERTON F.S. 5	< 2.43	3.13	2.79	3.62	5.29	3.71	2.94
4	5	WHITTIER APCD	4.00	2.69	4.82	3.79	4.41	3.75	2.98
5	17	POMONA APCD	1.83	1.99	2.09	3.11	3.24	2.99	2.08
6	14	FEATHERLY PARK	4.95		6.73	4.53	3.64	3.40	
7	16	AZUSA APCD	2.19		2.71	3.60			< .50
8	20	RIVERSIDE F.S. 8	< .49	< .18	2.60	1.81	5.19	2.51	6.55
9	21	RIVERSIDE CENTRAL F.S	2.37	3.03		4.43			3.96

% CONCENTRATION OF S — DAY A — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	1.74	1.10	1.50	1.17	.90	1.01	1.12	.86
2	4	SALINAS F.S. 5	2.27	1.37	1.30	1.17	.89	2.51	1.51	2.07
3	2	GARIN CO.	1.39	1.13	.45	.84	.95	< .67	< .58	1.39
4	6	FORT ORD	2.97	1.26	.79	1.36	1.06	1.35	2.28	1.81
5	17	HOLLISTER APCD	2.10	.87	.77	2.36	3.19	1.09	1.37	1.10
6	16	VERTICARE	2.30	.99	.91	.67	.87	1.08	1.11	1.32
7	15	YODER BROTHERS	1.92	1.25	.97	1.07	1.14	1.40	1.36	1.45
8	14	YOUTH SCI. CTR.	.83	.66						
9	18	GONZALES H.S.	1.49	2.21	.75	1.05	.64	.92	1.15	1.59

% CONCENTRATION OF S — DAY B — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	1.36	2.33	4.30	6.80	11.84
2	4	SALINAS F.S. 5	1.84	1.04	3.83	6.00	3.96
3	2	GARIN CO.	< .30	.84	1.86	3.30	2.88
4	6	FORT ORD	1.05	1.49	4.00	4.09	3.99
5	17	HOLLISTER APCD	.52	.48	.31	2.48	4.81
6	16	VERTICARE	1.87	1.13	1.00	2.44	6.35
7	15	YODER BROTHERS	.87	.98	1.69	3.22	3.44
8	14	YOUTH SCI. CTR.	.56	.83	2.20	3.28	3.51
9	18	GONZALES H.S.	1.84	1.76	1.57	4.38	5.85

% CONCENTRATION OF S — DAY C — SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	4.06	< .79	5.19	6.53	3.50
1	5	ANDERSON RANCH	3.28	3.28	5.04	3.99	4.31
2	4	SALINAS F.S. 5	3.22	3.07	4.56	5.08	3.94
3	2	GARIN CO.	1.41		1.96	3.37	4.03
4	6	FORT ORD	3.84	2.57	3.48	3.71	< .65
5	17	HOLLISTER APCD	3.87	3.40	3.53	4.61	5.97
6	16	VERTICARE	2.09	2.32	2.15	3.01	3.23
7	15	YODER BROTHERS	1.78	1.41	2.82	3.35	3.44
8	14	YOUTH SCI. CTR.	2.93	2.11	1.85	3.48	3.17
9	18	GONZALES H.S.	3.02	1.91	1.87	2.87	4.18

% CONCENTRATION OF S DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	8.92	9.92	9.10	4.81	4.50	5.79	5.66
1	2	ANAHEIM F.S. 2	8.91	10.70	7.69	4.71	4.81	5.79	5.13
2	3	PALM HARBOR MED. CTR.	8.64	10.93	7.82	3.13	2.12	3.34	3.04
3	8	FULLERTON F.S. 5	7.05	9.46	7.82	3.75	3.01	3.77	4.03
4	7	ORANGE F.S. 3	7.53	9.76	9.62	4.04	3.54	3.90	3.94
5	9	ANAHEIM F.S. 8	6.08	7.76	7.60	3.81	2.06	1.67	3.25
6	14	FEATHERLY PARK	6.20	8.48	9.84	5.80	4.23	3.46	4.42
7	19	CORONA FOREST F.S.	4.68	5.94	5.40	3.45	2.39	< .19	2.11
8	20	RIVERSIDE F.S. 8	4.98	5.02	4.08	6.03	2.80	4.10	
9	21	RIVERSIDE CENTRAL F.S	4.63	3.84	3.39	4.05	2.14	2.04	2.36

% CONCENTRATION OF S DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	7.55	9.05	7.32	9.30	6.53	6.12	4.37
1	2	ANAHEIM F.S. 2	8.21	10.00	8.11	7.28	5.98	5.96	4.07
2	3	PALM HARBOR MED. CTR.		8.44	8.10		6.80	4.54	3.79
3	8	FULLERTON F.S. 5	6.77		4.65	4.69	3.60	4.41	4.75
4	7	ORANGE F.S. 3	7.86	9.09	4.50	3.85	3.31	2.10	2.52
5	9	ANAHEIM F.S. 8	4.02	3.61	3.59	1.97	5.10	5.38	5.15
6	14	FEATHERLY PARK	8.05	8.63	7.76	7.14	6.93	6.34	7.37
7	19	CORONA FOREST F.S.	1.20	2.00	2.20	4.17	3.80	< .17	.96
8	20	RIVERSIDE F.S. 8	3.22	3.87	2.67	3.19	3.80	3.03	2.43
9	21	RIVERSIDE CENTRAL F.S	5.78	5.51	4.18	4.26	3.27	2.41	2.62

% CONCENTRATION OF S DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	1.07	2.21	3.94	3.41	2.34	1.45	1.82
1	2	ANAHEIM F.S. 2	.39	2.14	3.00	3.36	2.56	2.27	2.18
2	3	PALM HARBOR MED. CTR.	1.05	1.47	1.74	2.67	1.95	1.95	2.85
3	8	FULLERTON F.S. 5	1.48			2.21	2.55	3.89	1.21
5	9	ANAHEIM F.S. 8	1.53	1.77	2.54	1.66	1.55	1.94	2.63
6	14	FEATHERLY PARK	.90	2.12	3.27	3.12	2.38	2.51	2.46
7	19	CORONA FOREST F.S.	.16	.84	1.46	1.36	.80	< .21	.44
8	20	RIVERSIDE F.S. 8	< .29	< 3.18	1.04	1.43	1.66	1.14	.61
9	21	RIVERSIDE CENTRAL F.S	< .27	< 1.17	.70	1.56	.82	< .23	< .17

% CONCENTRATION OF S DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.32	3.22	2.89	3.66	2.18	1.35	1.42
1	2	ANAHEIM F.S. 2		2.83	1.69	2.28	1.05	< .48	< .33
2	3	PALM HARBOR MED. CTR.		2.24	1.53	1.08	1.14	1.13	< .41
3	8	FULLERTON F.S. 5	2.40	3.10	2.13	1.03	1.55	.92	1.48
4	5	WHITTIER APCD	1.86	< 1.22	1.80	2.38	3.48	< 1.46	< 1.43
5	17	POMONA APCD	1.49	1.36	.92	1.89	2.04	1.98	< .39
6	14	FEATHERLY PARK	3.17	3.13	2.94	2.24	2.19	2.50	2.59
7	16	AZUSA APCD	1.01	.75	< .22	.68	< .47		< .45
8	20	RIVERSIDE F.S. 8	1.19	2.11	.21	1.85	2.11	1.37	1.34
9	21	RIVERSIDE CENTRAL F.S	1.01	.62	2.18	.69	.93	3.87	2.31

% CONCENTRATION OF S DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	.94	2.07	3.10	3.33	1.06	< .20	< .24
1	2	ANAHEIM F.S. 2	1.76	< .65	3.68	3.29	.93	.97	< .22
2	3	PALM HARBOR MED. CTR.	2.41	1.61	.74	1.09	.94	< .24	< .22
3	8	FULLERTON F.S. 5	.54	1.21	1.82	1.37	< .27	< .32	1.18
4	5	WHITTIER APCD	1.83	.70	1.11	.83	< .21	< .21	.91
5	17	POMONA APCD						< .31	< .28
6	14	FEATHERLY PARK			1.56	< .57	< .47	< .38	< .44
8	20	RIVERSIDE F.S. 8	1.96	2.61	.77	.54	< .40	< .25	< .24
9	21	RIVERSIDE CENTRAL F.S	1.65	3.12		1.22			.77

% CONCENTRATION OF S DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	4.89	2.97	6.69	1.62	1.53	< .25	1.40
1	2	ANAHEIM F.S. 2	4.32	4.87	8.85	3.99	1.56	< .33	1.60
2	3	PALM HARBOR MED. CTR.	1.74	3.01	2.89	2.54	2.62	1.88	2.42
3	8	FULLERTON F.S. 5	6.87	2.24	3.72	1.68	2.26	1.88	1.91
4	5	WHITTIER APCD	2.90	3.81	2.84	2.81	< .24	< .27	2.55
5	17	POMONA APCD	1.29	1.94	1.50	1.49	.75	< .25	1.09
6	14	FEATHERLY PARK	2.17	3.27	2.30	2.30	2.05	2.67	2.28
7	16	AZUSA APCD	1.68	1.61	1.31	.84	< .29		1.08
8	20	RIVERSIDE F.S. 8	< .40	< .15	.87	2.68	1.30	.62	1.47
9	21	RIVERSIDE CENTRAL F.S	1.64	3.90		1.83			1.05

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% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF CL DAY A SAMPLING TIME INTERVAL 10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-02
1	5	ANDERSON RANCH	< .39	< .41	< .57	2.40	3.03	8.90	9.79	11.25
2	4	SALINAS F.S. 5	< .28	< .34	< .44	5.26	6.25	30.04	17.99	25.29
3	2	GARIN CO.	< .29	< .35	.72	5.46	8.15	20.58	25.89	20.46
4	6	FORT ORD	< .67	< .51	2.40	10.54	1.59	18.46	24.31	20.98
5	17	HOLLISTER APCD	< .40	< .47	< .37	< .52	< .55	< .50	.41	< .46
6	16	VERTICARE	< .44	< .26	< .24	< .30	1.40	.34	5.92	13.28
7	15	YODER BROTHERS	< .32	< .22	< .22	1.51	1.15	4.47	14.15	16.78
8	14	YOUTH SCI. CTR.	< .55	.65						
9	18	GONZALES H.S.	< .50	< .45	< .36	< .40	.77	< .32	16.20	17.27

% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF CL DAY B SAMPLING TIME INTERVAL 10-12	12-14	14-16	16-18	18-20
1	5	ANDERSON RANCH	2.00	4.46	< .94	2.47	< .76
2	4	SALINAS F.S. 5	2.10	1.16	< .35	6.56	8.48
3	2	GARIN CO.	3.60	2.05	2.24	12.37	15.78
4	6	FORT ORD	9.61	4.13	3.91	19.96	23.06
5	17	HOLLISTER APCD	< .31	.41	< .20	< .35	2.36
6	16	VERTICARE	< .20	1.05	< .26	< .29	.93
7	15	YODER BROTHERS	.76	1.08	< .24	.94	6.30
8	14	YOUTH SCI. CTR.	1.94	.90	1.37	11.66	17.79
9	18	GONZALES H.S.	< .20	< .21	< .22	< .34	2.22

% AIHL SITE	CIT SITE	SITE NAME	CONCENTRATION OF CL DAY C SAMPLING TIME INTERVAL 10-12	12-14	14-16	16-18	18-20
0	3	UNIDYNAMICS	< .90	< .79	< .76	< .93	< .74
1	5	ANDERSON RANCH	< .60	< .61	< .71	< .71	< .66
2	4	SALINAS F.S. 5	< .60	< .60	< .70	.85	< .66
3	2	GARIN CO.	.28		< .52	< .52	< .74
4	6	FORT ORD	< .77	< .57	< .56	1.78	< .65
5	17	HOLLISTER APCD	< .84	< .73	< .57	< .73	< .93
6	16	VERTICARE	< .44	< .46	< .43	< .45	< .52
7	15	YODER BROTHERS	< .30	< .35	< .39	< .60	1.30
8	14	YOUTH SCI. CTR.	< .36	< .33	< .39	< .52	1.69
9	18	GONZALES H.S.	< .42	< .48	< .46	< .44	< .64

% CONCENTRATION OF PB DAY D SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.94	2.16	2.01	3.15	3.91	4.14	3.58
1	2	ANAHEIM F.S. 2	2.68	2.97	3.17	4.66	6.87	4.68	5.06
2	3	PALM HARBOR MED. CTR.	1.91	1.44	1.46	1.62	2.49	3.76	3.87
3	8	FULLERTON F.S. 5	1.74	2.05	1.97	2.49	4.08	2.15	1.86
4	7	ORANGE F.S. 3	1.91	1.85	1.35	1.76	2.62	2.57	3.62
5	9	ANAHEIM F.S. 8	1.53	1.94	1.17	1.50	1.95	2.57	2.58
6	14	FEATHERLY PARK	1.28	1.48	1.10	1.91	2.69	2.56	2.69
7	19	CORONA FOREST F.S.	1.05	1.17	.79	1.14	1.50	< .19	2.50
8	20	RIVERSIDE F.S. 8	.84	1.02	1.33	1.48	1.68	1.55	
9	21	RIVERSIDE CENTRAL F.S	.77	.72	.76	.99	1.23	1.40	2.01

% CONCENTRATION OF PB DAY F SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	2.78	3.71	2.36	3.69	3.68	4.15	6.43
1	2	ANAHEIM F.S. 2	2.49	2.39	2.92	4.54	5.72	5.96	4.40
2	3	PALM HARBOR MED. CTR.		1.74	1.89		3.23	4.57	4.98
3	8	FULLERTON F.S. 5	1.29	< .23	2.33	2.41	3.49	4.45	4.68
4	7	ORANGE F.S. 3	1.06	1.73	1.99	2.28	2.27	2.98	3.16
5	9	ANAHEIM F.S. 8	1.84	2.07	2.07	5.86	3.07	2.91	3.71
6	14	FEATHERLY PARK	1.62	1.42	1.85	2.37	2.83	3.46	3.90
7	19	CORONA FOREST F.S.	1.26	.87	1.03	2.16	2.79	< .20	2.03
8	20	RIVERSIDE F.S. 8	1.33	1.15	1.32	1.58	1.66	1.19	2.25
9	21	RIVERSIDE CENTRAL F.S	1.34	.85	.81	1.12	1.55	1.16	2.51

% CONCENTRATION OF PB DAY G SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	3.52	3.54	3.34	4.85	4.61	2.94	4.06
1	2	ANAHEIM F.S. 2	2.92	4.39	5.60	6.87	7.08	4.65	3.63
2	3	PALM HARBOR MED. CTR.	4.42	1.57	< 1.32	2.50	2.11	1.98	2.02
3	8	FULLERTON F.S. 5	3.28			2.69	3.76	8.93	4.09
5	9	ANAHEIM F.S. 8	3.71	2.76	1.94	2.69	3.82	4.65	4.59
6	14	FEATHERLY PARK	3.21	3.48	2.55	3.48	3.98	3.64	3.62
7	19	CORONA FOREST F.S.	.95	1.83	1.50	1.78	1.74	< .22	1.32
8	20	RIVERSIDE F.S. 8	2.01	9.89	2.56	1.45	1.94	2.82	2.90
9	21	RIVERSIDE CENTRAL F.S	3.42	2.74	.80	1.10	3.23	4.99	4.29

% CONCENTRATION OF PB DAY H SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	9-11	11-13	13-15	15-17	17-19	19-21	21-23
0	4	FULLERTON F.S. 2	4.03	3.06	2.16	4.23	5.30	6.03	6.12
1	2	ANAHEIM F.S. 2		3.05	6.22	6.17	6.42	5.81	6.72
2	3	PALM HARBOR MED. CTR.		2.06	1.81	1.81	.81	3.05	4.32
3	8	FULLERTON F.S. 5	2.85	2.75	2.21	3.38	2.98	1.93	6.03
4	5	WHITTIER APCD	2.97	2.39	< 1.79	< 1.88	< 2.03	2.22	4.94
5	17	POMONA APCD	2.02	1.84	1.99	2.13	1.32	3.67	3.51
6	14	FEATHERLY PARK	1.52	2.13	2.23	3.41	4.81	3.50	3.07
7	16	AZUSA APCD	1.55	1.44	1.78	1.82	2.91		2.97
8	20	RIVERSIDE F.S. 8	1.14	2.15	.37	1.52	2.60	1.51	1.70
9	21	RIVERSIDE CENTRAL F.S	.92	.42	2.07	.37	1.27	3.96	4.69

% CONCENTRATION OF PB DAY I SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	3.17	2.61	3.83	4.98	4.63	5.22	6.07
1	2	ANAHEIM F.S. 2	3.65	5.50	6.30	6.49	5.19	4.26	5.81
2	3	PALM HARBOR MED. CTR.	1.46	1.41	< .78	2.28	3.00	4.30	6.22
3	8	FULLERTON F.S. 5	2.80	2.38	2.70	3.70	4.75	6.08	5.14
4	5	WHITTIER APCD	2.63	1.40	3.07	3.26	5.62	5.22	4.38
5	17	POMONA APCD						6.65	6.29
6	14	FEATHERLY PARK			2.66	5.00	4.80	< .40	< .45
8	20	RIVERSIDE F.S. 8	1.25	1.35	2.71	2.72	2.43	2.99	5.23
9	21	RIVERSIDE CENTRAL F.S	1.89	1.53		2.33			4.39

% CONCENTRATION OF PB DAY J SAMPLING TIME INTERVAL

AIHL SITE	CIT SITE	SITE NAME	10-12	12-14	14-16	16-18	18-20	20-22	22-24
0	4	FULLERTON F.S. 2	3.88	4.74	3.94	6.59	7.55	9.04	8.06
1	2	ANAHEIM F.S. 2	3.20	6.64	8.41	5.80	9.26	11.23	9.20
2	3	PALM HARBOR MED. CTR.	2.53	2.39	2.08	3.03	3.59	5.79	6.13
3	8	FULLERTON F.S. 5	8.28	2.71	3.16	2.04	6.13	7.82	7.26
4	5	WHITTIER APCD	3.20	3.14	3.71	3.20	8.26	7.83	6.17
5	17	POMONA APCD	1.76	2.00	2.51	3.21	5.36	6.04	5.31
6	14	FEATHERLY PARK	2.08	1.76	2.77	4.48	4.51	4.98	4.82
7	16	AZUSA APCD	2.14	1.60	1.09	3.75	4.84		2.39
8	20	RIVERSIDE F.S. 8	1.14	.62	2.71	2.63	2.31	2.14	3.58
9	21	RIVERSIDE CENTRAL F.S	3.54	3.32		1.76			6.26

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APPENDIX E

GROUND LEVEL SULFUR HEXAFLUORIDE DATA

This Appendix reproduces the SF_6 tracer data from the Caltech final report (3) which are most extensively used in the discussions in this report. Table E-1 summarizes the times and rates of SF_6 releases, and Tables E-2 through E-10 give all SF_6 concentrations measured at the fixed ground stations. The limit of detection for SF_6 was about 1.0 ppt, and values smaller than this are reported as zero. Missing data are reported as n.d. Ground measurements of SF_6 were also made using automobile traverses, and Figures E-1 through E-7 summarize the data obtained this way in the South Coast Air Basin. These figures are included because of the excellent way in which they summarize some of the main findings of this study.

Tables E-11 through E-13 present the SF_6 data in the same format as the results of the chemical analyses in Appendices C and D. In these tables, two-hour average SF_6 readings for times matching the filter collection times have been calculated. If one of the SF_6 data points was missing, the value of the other point is reported, and the entry is marked with an asterisk. A convenient way to compare these data with the chemical results is to copy them onto a transparency of the kind used for overhead projectors, then to read the chemical data through the transparency.

TABLE E-1

Summary of Moss Landing Power Plant Tests

Moss Landing Test No.	Date	Fuel	Time of Release (PDT)	SF_6 Release Rate (g/sec)	Total SF_6 Released (lb)	SF_6 Stack * Concentration (ppm)
1	9/10/74	Oil	10 am-5 pm	9.74	541	2.34
2	9/11/74	Oil	10 am-5 pm	9.76	542	2.54
3	9/12/74	Gas	10 am-5 pm	9.79	544	2.70

Summary of Long Beach Power Plant Tests

Long Beach Test No.	Date	Time of Release (PST)	SF_6 Release Rate (g/sec)	Total SF_6 Released (lb)	SF_6 Stack* Concentration (ppm)
1	10/01/74	9 am-4 pm	5.14	286	2.48
2	10/11/74	10 am-5 pm	4.83	269	2.20
3	10/17/74	10 am-5 pm	5.15	286	2.30
4	10/25/74	10 am-5 pm	8.97	498	2.63
5	10/30/74	10 am-5 pm	6.50	361	2.00
6	11/07/74	10 am-5 pm	7.74	430	2.27

TABLE E-2

One-hour Averaged SF_6 Tracer Data (ppt) for Moss Landing Test No. 1 (9/10/74)

Time of Day - Pacific Daylight Savings Time

Location Number	A.M.				P.M.							
	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	n.d.	4.9	0.0	3.8	4.4	0.0	5.3	14.0	8.9	64.0	2.6	0.0
2	0.0	0.0	0.0	0.0	0.0	1.4	2.5	0.0	0.0	0.0	0.0	0.0
3	0.0	3.3	0.0	0.0	0.0	4.8	7.7	25.0	11.0	1.0	0.0	0.0
4	0.0	0.0	0.0	2.6	0.0	0.0	2.2	0.0	0.0	0.0	1.9	1.8
5	4.0	0.0	0.0	0.0	0.0	0.0	3.2	6.3	7.7	0.0	0.0	0.0
6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	23.1	0.0
7	0.0	5.9	4.0	0.0	3.3	4.0	3.5	0.0	0.0	1.8	1.2	0.0
8	3.9	0.0	1.9	1.1	0.0	0.0	0.0	3.3	5.7	0.0	0.0	0.0
9	n.d.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0
10	2.2	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	n.d.	0.0
11	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	2.3	0.0	4.3	0.0
12	0.0	0.0	3.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	3.0	0.0	0.0	0.0	0.0	0.0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
15	0.0	0.0	0.0	2.4	0.0	0.0	0.0	3.4	3.1	0.0	0.0	0.0
16	0.0	4.4	0.0	3.6	0.0	1.3	0.0	1.6	1.3	14.0	1.1	2.3
17	0.0	3.1	0.0	0.0	5.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0

TABLE E-3

One-hour Averaged SF_6 Tracer Data (ppt) for Moss Landing Test No. 2 (9/11/74)

Time of Day - Pacific Daylight Savings Time

Location Number	A.M.				P.M.							
	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	0.0	1.7	3.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.4	1.9	1.8	0.0	4.8	1.2	0.0	0.0	1.5	0.0	0.0	0.0
3	0.0	2.1	7.7	2.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	5.4	1.1	51.0	3.0	66.0	100.0	420.0	290.0	160.0	10.0	0.0	2.2
5	0.0	2.8	3.2	6.6	0.0	0.0	0.0	1.6	1.4	20.0	0.0	0.0
6	0.0	0.0	3.1	0.0	2.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
7	4.4	0.0	0.0	4.9	0.0	2.3	0.0	3.0	0.0	0.0	0.0	0.0
8	2.8	0.0	3.6	3.8	7.9	1.8	1.3	1.4	1.4	63.0	2.0	0.0
9	5.9	5.4	16.5	5.2	10.5	363.0	246.0	338.0	187.0	14.2	0.0	n.d.
10	4.1	0.0	0.0	0.0	7.8	5.0	63.0	180.0	290.0	130.0	n.d.	96.0
11	0.0	0.0	0.0	0.0	1.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0
12	4.9	1.0	8.1	3.3	2.1	260.0	230.0	300.0	160.0	41.0	1.7	3.5
15	0.0	0.0	5.5	10.0	12.0	170.0	260.0	n.d.	150.0	110.0	1.2	0.0
17	1.8	8.1	9.3	12.0	6.5	2.5	1.4	0.0	0.0	0.0	0.0	0.0
18	3.6	2.4	5.7	9.1	5.1	42.0	170.0	40.0	76.0	150.0	6.6	1.7

TABLE E-4

One-hour Averaged SF_6 Tracer Data (ppt) for Moss Landing Test No. 3 (9/12/74)

Time of Day - Pacific Daylight Savings Time

Location Number	A.M.				P.M.							
	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	1.6	2.7	0.0	0.0	3.4	0.0	0.0	1.6	0.0	0.0	0.0	0.0
3	2.9	0.0	0.0	1.3	3.0	0.0	38.0	25.0	43.0	96.0	0.0	1.1
4	4.2	2.1	2.9	0.0	32.0	28.0	2.3	0.0	1.0	0.0	0.0	1.3
5	0.0	0.0	11.0	4.4	92.0	145.0	206.0	257.0	156.0	100.0	1.4	11.0
6	0.0	2.1	0.0	110.0	77.0	19.0	0.0	1.3	0.0	0.0	2.3	0.0
7	2.8	0.0	3.8	86.0	120.0	33.0	0.0	5.2	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	2.7	26.0	172.0	211.0	92.0	107.0	91.0	3.6	1.4
9	0.0	2.4	0.0	0.0	20.0	72.0	7.0	1.8	0.0	1.1	0.0	n.d.
10	1.8	0.0	1.5	2.5	1.7	n.d.	69.0	8.4	28.0	0.0	n.d.	0.0
11	0.0	0.0	0.0	48.0	110.0	82.0	1.7	0.0	0.0	0.0	0.0	0.0
12	4.1	7.5	2.8	2.1	12.0	57.0	42.0	0.0	0.0	0.0	0.0	6.9
13	4.9	6.7	1.5	59.0	77.0	85.0	32.0	107.0	71.0	0.0	n.d.	n.d.
14	0.0	2.6	48.0	88.0	13.0	0.0	2.3	0.0	0.0	0.0	n.d.	n.d.
15	0.0	0.0	0.0	0.0	17.0	43.0	25.0	3.8	0.0	0.0	0.0	1.4
16	0.0	0.0	5.4	1.3	0.0	46.0	69.0	100.0	n.d.	n.d.	90.0	0.0
18	2.8	2.6	2.3	2.6	2.3	26.0	62.0	16.0	3.6	6.8	4.2	1.1

TABLE E-5

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 1 (10/1/74)

Time of Day - Pacific Standard Time

Location Number	A.M. 8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	10.1	1.7	2.5	0.0	0.0	0.0	7.1	0.0	0.0	8.7	0.0	7.7
4	0.0	0.0	0.0	41.5	40.0	25.6	9.4	47.3	245.0	38.3	0.0	0.0
5	0.0	3.1	1.5	5.4	11.0	0.0	4.3	0.0	0.0	0.0	n.d.	0.0
6	1.6	n.d.	1.2	0.0	4.5	6.4	3.9	4.8	3.8	0.0	0.0	0.0
8	0.0	0.0	0.0	1.3	22.2	14.1	10.9	9.8	17.8	4.2	0.0	0.0
9	0.0	0.0	0.0	1.2	1.4	5.9	6.0	0.0	1.7	0.0	0.0	0.0
10	0.0	0.0	4.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	1.1	0.0	0.0	0.0	0.0	2.0	1.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
17	9.4	13.3	22.1	21.1	12.8	9.6	24.8	32.4	47.8	22.9	30.9	5.1
19	0.0	0.0	0.0	0.0	1.0	0.0	0.0	4.1	1.8	5.6	5.1	2.7
20	2.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	2.3	1.4	1.9	2.5	0.0	0.0	9.7	1.3	9.3	5.2	4.8	10.7
22	2.4	1.4	3.5	4.7	6.5	4.3	8.7	21.9	16.7	11.1	14.4	0.0

TABLE E-6

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 2 (10/11/74)

Time of Day - Pacific Standard Time

Location Number	A.M. 8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	0.0	0.0	1.9	4.5	1.8	3.2	2.6	0.0	1.7	8.1	4.4	1.9
2	2.7	1.3	8.1	6.4	0.0	0.0	41.2	27.7	18.6	4.7	1.9	0.0
3	2.0	0.0	2.9	0.0	0.0	2.6	8.1	3.2	4.6	3.5	0.0	4.8
4	3.1	6.6	6.7	4.8	3.0	5.7	32.3	51.7	40.9	6.0	0.0	7.1
5	4.8	6.7	7.9	7.4	12.7	13.0	6.5	0.0	5.7	4.4	n.d.	5.4
6	3.5	7.2	8.1	3.7	7.5	2.7	3.2	3.3	2.3	7.5	6.2	3.0
7	6.1	2.8	4.6	8.5	6.7	7.5	6.3	6.2	6.0	4.4	3.6	0.0
8	2.0	0.0	0.0	0.0	0.0	2.3	9.6	82.6	18.7	3.8	0.0	0.0
9	0.0	0.0	0.0	1.5	7.5	1.5	2.0	3.8	0.0	0.0	1.8	2.1
10	7.9	5.3	8.8	8.1	1.5	6.6	9.2	3.9	2.1	1.1	4.2	5.2
11	7.3	4.9	3.9	5.6	4.7	3.0	2.5	5.3	0.0	4.0	3.9	0.0
14	0.0	5.6	1.6	13.9	2.8	0.0	3.6	n.d.	4.2	5.0	3.3	3.0
16	2.9	3.9	2.3	3.0	2.1	4.2	6.4	3.7	4.7	3.2	2.5	2.6
17	15.1	18.8	32.4	40.0	11.0	17.0	88.0	10.0	16.8	61.1	38.6	39.7
18	3.3	9.9	18.0	17.4	22.1	16.5	16.3	19.9	52.6	52.9	24.7	20.8
19	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*	n.d.*
20	7.0	0.0	3.0	7.7	2.4	3.0	6.5	0.0	0.0	0.0	0.0	3.0
21	6.2	6.1	7.7	2.6	4.6	6.4	8.7	5.6	3.1	6.7	5.8	10.7
22	7.7	4.6	3.5	3.5	4.8	11.5	4.0	10.9	75.0	10.3	9.7	11.4

*See Appendix 9 of reference 3.

TABLE E-7

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 3 (10/17/74)

Time of Day - Pacific Standard Time

Location Number	A.M. 8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	n.d.	8.6	5.1	3.3	4.5	0.0	0.0	2.5	3.8	4.9	4.8	2.2
2	4.1	5.4	1.8	10.5	9.2	4.0	0.0	85.5	0.5	0.0	3.3	1.4
3	7.8	6.8	2.7	0.0	2.8	0.0	0.0	0.0	2.3	4.1	2.2	0.0
4	5.4	7.0	0.0	24.7	121.0	7.9	0.0	69.7	16.7	3.7	0.0	2.9
5	2.7	1.8	3.6	5.2	1.7	5.1	26.6	14.8	10.5	68.4	1.7	3.5
6	11.5	10.7	14.7	10.8	6.8	4.7	5.1	5.3	22.1	6.5	4.0	0.0
7	3.5	3.7	2.2	3.3	3.5	0.0	0.0	2.9	9.9	0.0	3.0	2.6
8	5.5	6.7	2.3	2.3	1.8	71.4	28.8	3.4	16.4	107.0	4.5	1.4
9	2.6	2.1	0.0	1.9	1.1	25.0	0.0	0.0	0.0	3.9	0.0	0.0
10	21.6	15.3	14.9	8.3	10.5	6.3	9.9	2.6	1.2	0.0	0.0	0.0
11	5.5	4.4	3.5	4.9	7.5	8.6	7.9	4.7	6.0	7.6	6.1	4.1
16	0.0	4.5	0.0	0.0	4.1	4.9	5.3	5.4	5.5	2.8	2.2	4.5
17	6.8	0.0	4.9	1.7	33.9	33.6	16.8	59.0	57.6	61.0	84.8	41.5
18	6.9	3.8	5.6	6.4	0.0	23.2	28.7	13.0	0.0	8.6	48.0	34.9
19	11.6	8.2	6.2	1.5	1.6	1.9	5.3	3.6	0.0	0.0	5.6	0.0
21	5.7	4.4	4.4	0.0	0.0	6.3	19.0	6.8	4.6	17.5	10.3	12.8
22	0.0	0.0	0.0	4.4	10.1	12.0	5.2	6.3	11.7	5.1	n.d.	n.d.

TABLE E-8

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 4 (10/25/74)

Time of Day - Pacific Standard Time

Location Number	A.M.				P.M.							
	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
1	n.d.	1.8	1.4	0.0	0.0	1.1	1.4	0.0	0.0	1.5	0.0	0.0
2	3.7	2.0	2.7	47.0	69.0	48.0	93.0	29.0	127.0	2.0	0.0	4.0
3	2.0	0.0	0.0	1.0	13.0	0.0	0.0	0.0	2.5	1.4	1.0	0.0
4	3.6	19.1	0.0	17.0	51.1	24.0	81.1	113.0	164.0	3.2	3.3	0.0
5	3.0	4.4	4.6	0.0	1.8	0.0	0.0	1.5	3.2	0.0	0.0	1.2
6	n.d.	5.2	2.5	2.8	1.8	1.2	0.0	0.0	1.6	1.7	2.3	0.0
7	2.8	3.5	3.8	0.0	24.5	5.0	0.0	0.0	0.0	14.1	1.9	0.0
8	4.7	2.5	3.0	2.2	46.8	46.3	13.8	21.9	53.2	40.4	0.0	0.0
9	0.0	0.0	3.5	7.7	5.4	28.0	4.6	0.0	0.0	0.0	4.4	1.6
10	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.2
11	2.5	0.0	1.9	2.2	0.0	0.0	0.0	1.2	0.0	0.0	1.6	3.4
16	1.4	3.6	0.0	0.0	6.1	5.2	1.4	0.0	0.0	1.1	0.0	0.0
17	28.4	0.0	24.0	18.0	11.7	10.7	8.3	44.9	12.7	36.9	6.2	0.0
19	7.5	2.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	6.5
21	4.8	0.0	3.9	0.0	1.9	0.0	13.0	6.0	6.3	0.0	0.0	5.7
22	2.3	1.0	6.9	5.3	3.5	0.0	1.7	0.0	0.0	0.0	0.0	0.0

TABLE E-9

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 5 (10/30/74)

Time of Day - Pacific Standard Time

Location Number	A.M.			P.M.								
	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9
1	n.d.	0.0	0.0	4.1	0.0	0.0	3.1	0.0	0.0	2.5	0.0	0.0
2	1.5	0.0	0.0	0.0	0.0	28.7	172.0	314.0	28.2	0.0	1.8	1.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.5	3.8	5.2	0.0	7.0	109.0	5.1	31.3	113.0	5.1	4.6	7.8
5	1.7	0.0	0.0	1.8	19.8	1.7	1.7	0.0	0.0	1.7	2.8	7.9
6	2.6	0.0	1.9	0.0	0.0	0.0	0.0	0.0	2.8	2.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.3	0.0
8	0.0	2.3	0.0	0.0	0.0	4.9	67.3	38.4	5.7	3.0	4.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n.d.	n.d.	n.d.
10	3.0	6.1	7.1	2.4	1.9	5.7	3.2	4.9	0.0	2.0	2.9	5.3
11	0.0	3.4	1.8	2.5	5.7	2.0	0.0	0.0	1.0	0.0	0.0	2.6
12	3.9	5.3	0.0	0.0	0.0	20.2	1.8	0.0	0.0	1.2	2.2	0.0
13	4.7	0.0	0.0	0.0	0.0	10.3	14.8	2.5	12.7	37.4	26.5	22.9
15	0.0	0.0	3.3	0.0	0.0	6.5	8.6	0.0	0.0	1.8	0.0	2.4
16	0.0	3.5	0.0	0.0	0.0	9.4	2.4	0.0	0.0	0.0	0.0	0.0
17	0.0	3.2	0.0	0.0	15.7	8.9	15.1	1.6	9.7	86.1	53.1	57.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	2.1	0.0	0.0	0.0	0.0	6.5	0.0	1.1	0.0	2.1
22	0.0	0.0	0.0	3.6	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

TABLE E-10

One-hour Averaged SF_6 Tracer Data (ppt) for Long Beach Test No. 6 (11/7/74)

Time of Day - Pacific Standard Time

Location Number	A.M. 9-10	A.M. 10-11	A.M. 11-12	P.M. 12-1	P.M. 1-2	P.M. 2-3	P.M. 3-4	P.M. 4-5	P.M. 5-6	P.M. 6-7	P.M. 7-8	P.M. 8-9
2	2.2	5.1	n.d.*	5.0	73.1	85.1	110.0	18.1	11.3	46.7	4.3	4.9
3	0.0	9.8	17.6	0.0	n.d.*	0.0	0.0	2.9	2.8	4.2	2.5	3.0
4	0.0	0.0	8.7	8.0	15.2	132.0	69.3	31.8	5.9	21.1	4.1	n.d.
5	21.1	38.5	25.3	7.0	4.2	9.2	19.7	16.8	37.5	14.3	5.9	10.9
6	19.9	0.0	0.0	162.0	23.4	3.8	46.9	23.9	117.0	73.3	15.7	8.2
7	2.5	0.0	64.3	41.9	28.1	139.0	3.2	2.3	3.1	15.2	28.5	13.8
9	0.0	29.7	5.1	0.0	3.0	71.9	1.7	1.5	0.0	0.0	27.8	2.6
10	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	4.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
12	0.0	7.7	0.0	0.0	0.0	2.6	0.0	39.4	0.0	2.3	0.0	0.0
13	1.5	0.0	0.0	0.0	1.9	21.2	63.8	54.6	4.6	11.1	27.0	11.2
15	4.2	9.3	7.6	18.1	53.5	117.0	10.5	3.2	1.9	0.0	4.2	0.0
16	8.8	6.2	3.2	0.0	0.0	3.9	63.5	3.4	n.d.	n.d.	n.d.	n.d.
17	18.7	80.0	2.6	12.2	14.3	28.5	8.8	36.8	11.3	7.1	95.7	56.0
19	2.2	21.0	9.2	0.0	2.0	0.0	9.2	15.1	16.1	4.9	2.3	4.2
21	4.4	7.9	0.0	2.3	0.0	0.0	21.4	14.8	4.1	8.4	10.4	6.1
22	3.0	0.0	13.0	13.9	0.0	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

*See Appendix A-9 of reference 3.

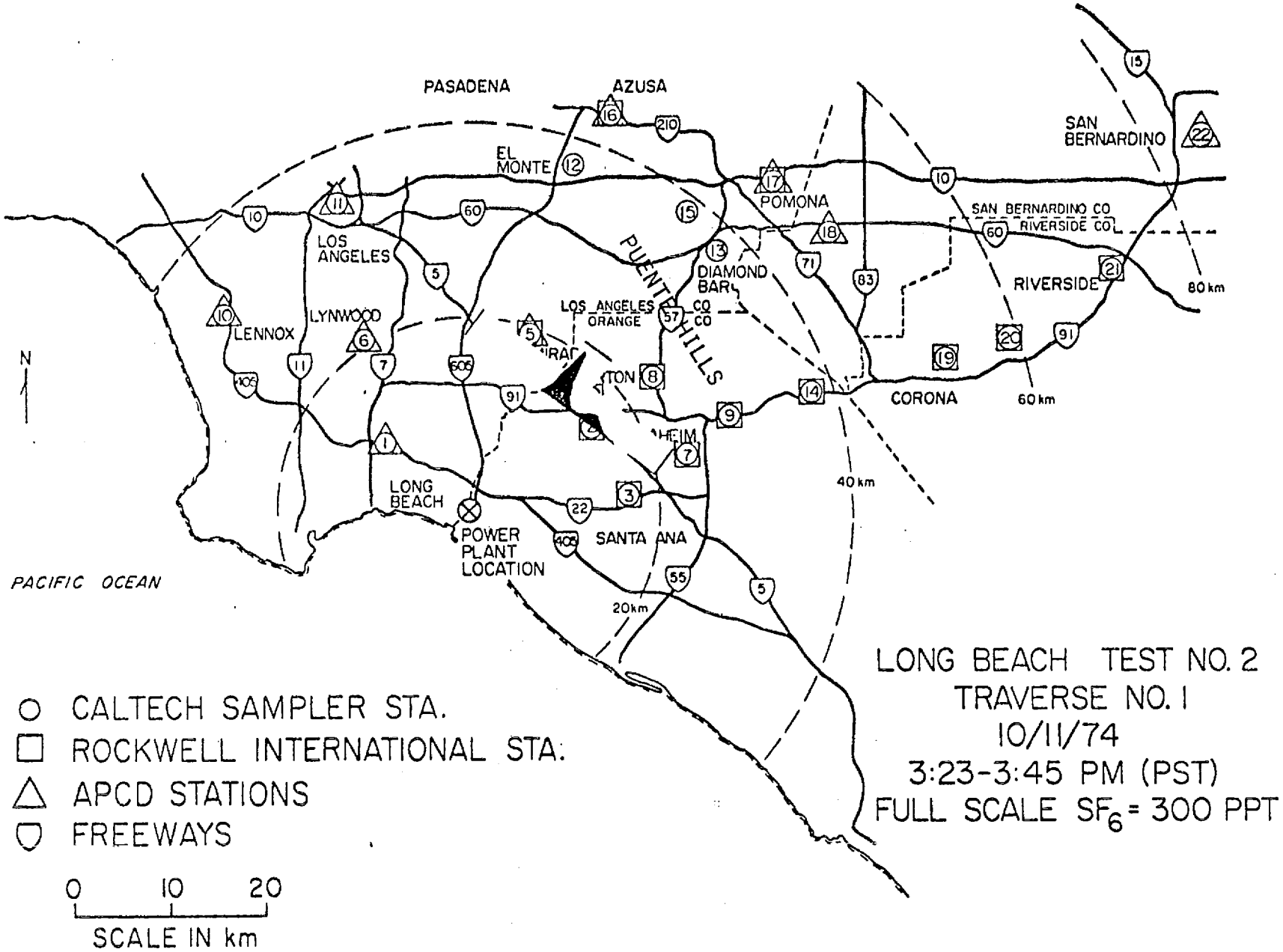

Figure E-1. Automobile Traverse No. 1 for Long Beach Test No. 2.

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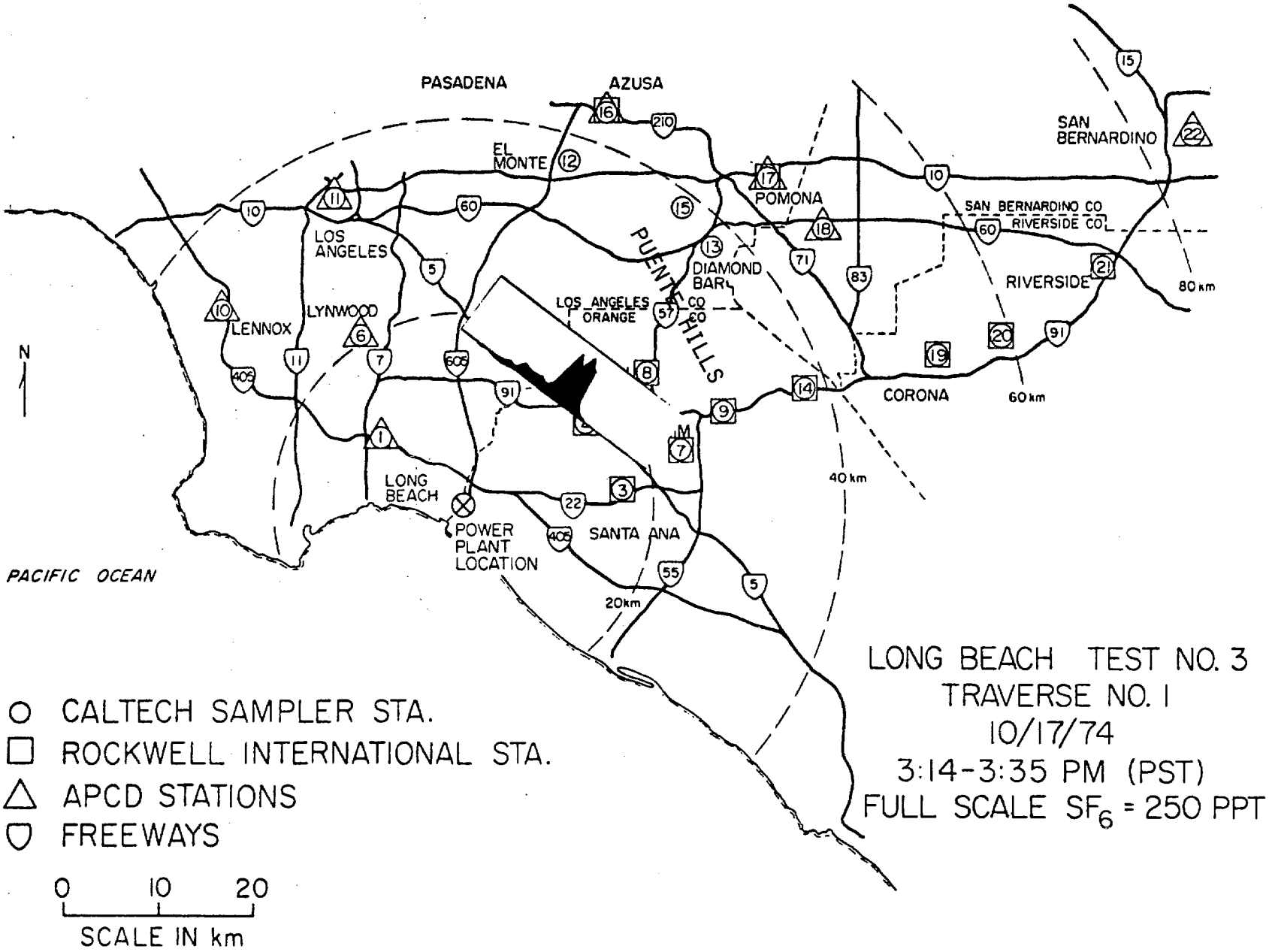

Figure E-2. Automobile Traverse No. 2 for Long Beach Test No. 3.

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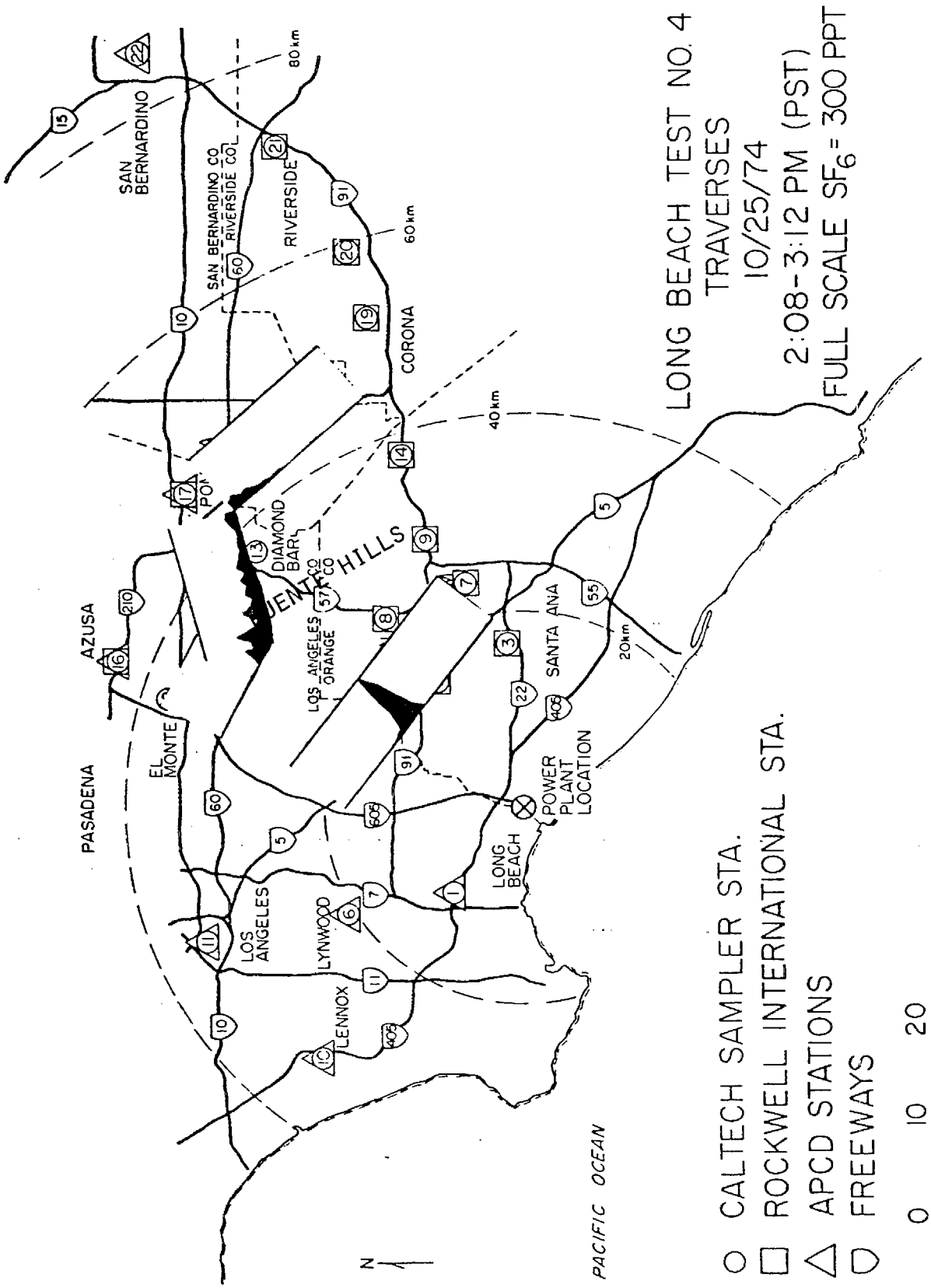

Figure E-3. Automobile Traverses for Long Beach Test No. 4.

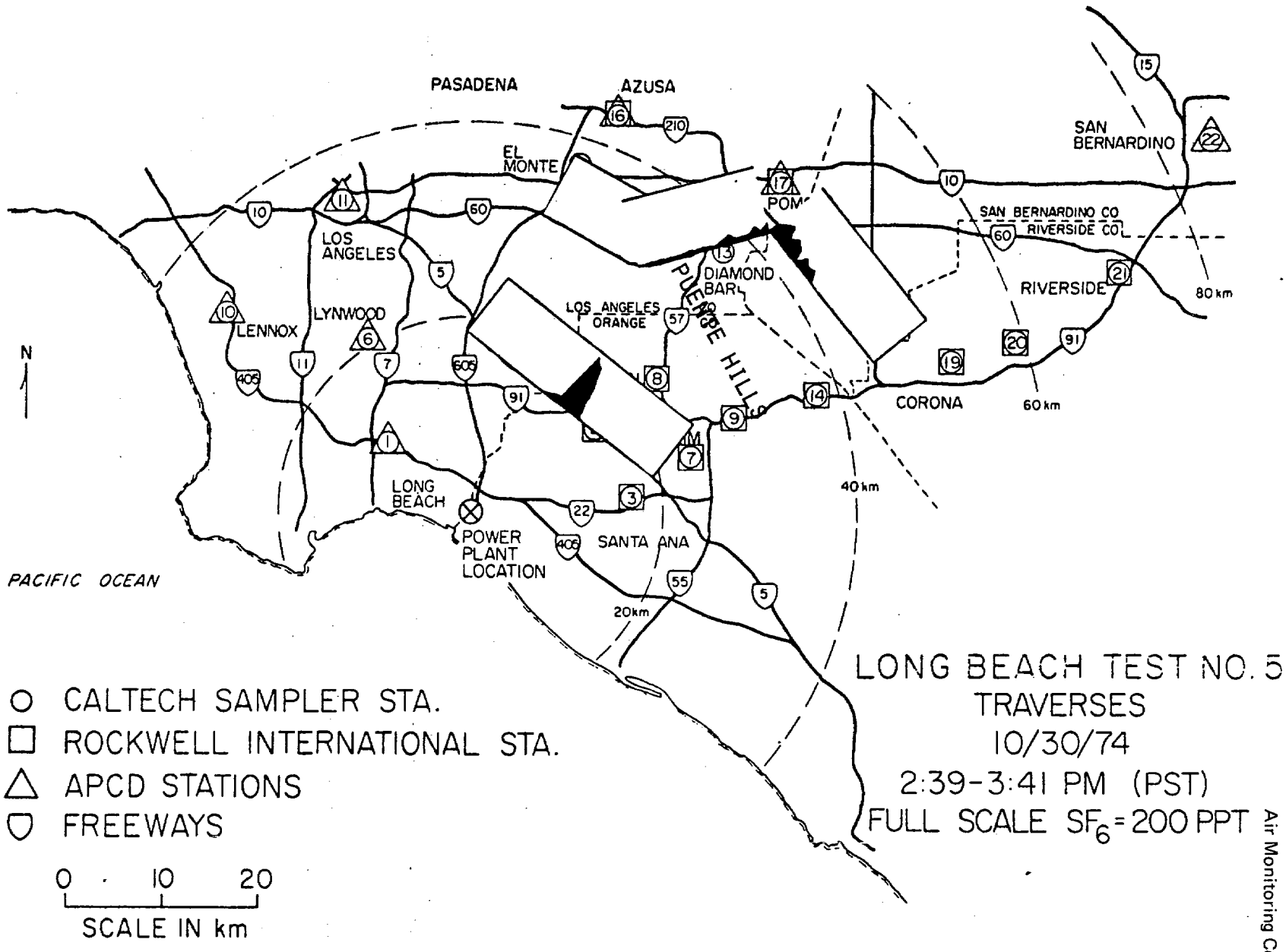

Figure E-4. Automobile Traverses for Long Beach Test No. 5.

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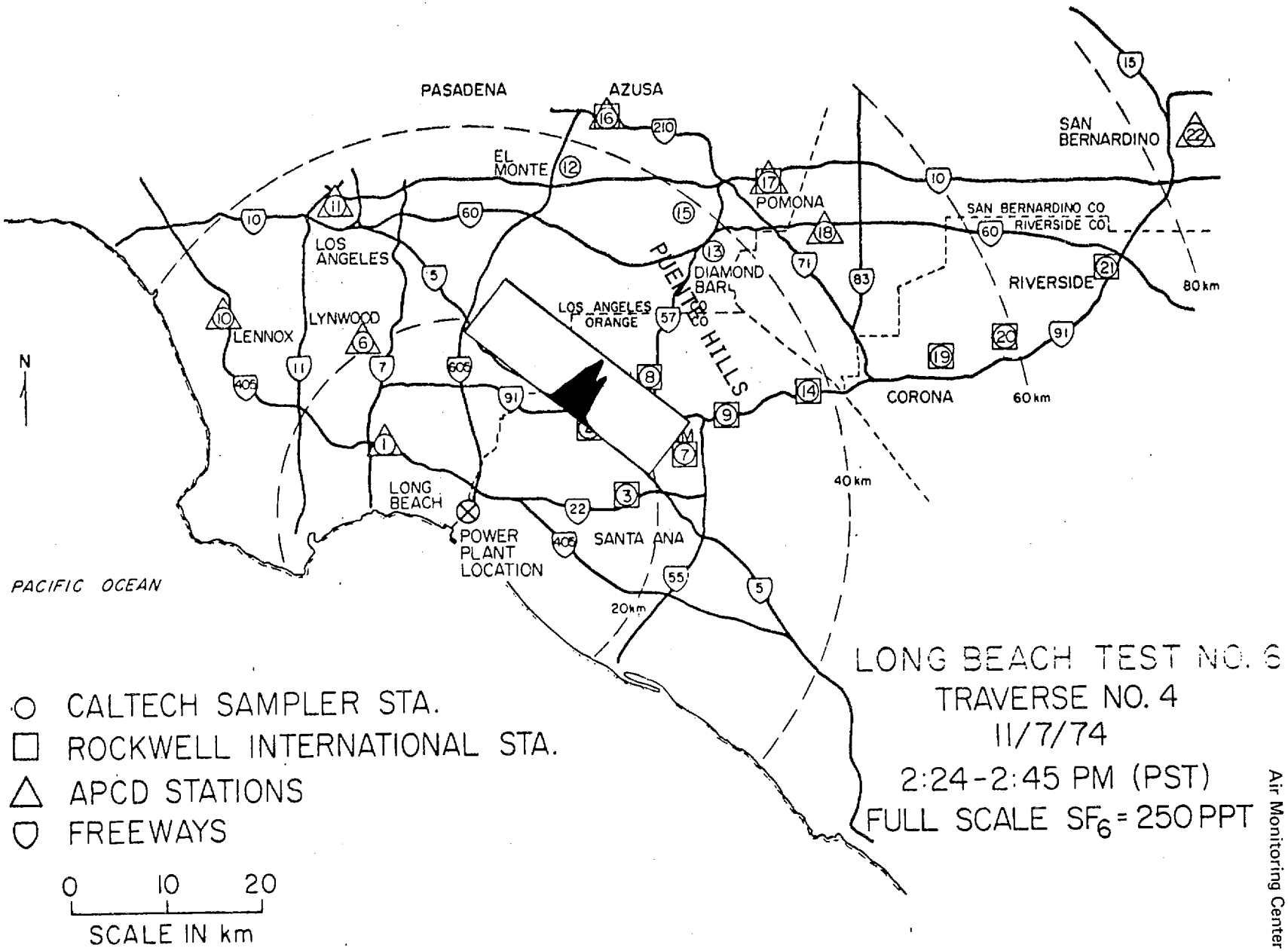

Figure E-5. Automobile Traverse No. 4 for Long Beach Test No. 6

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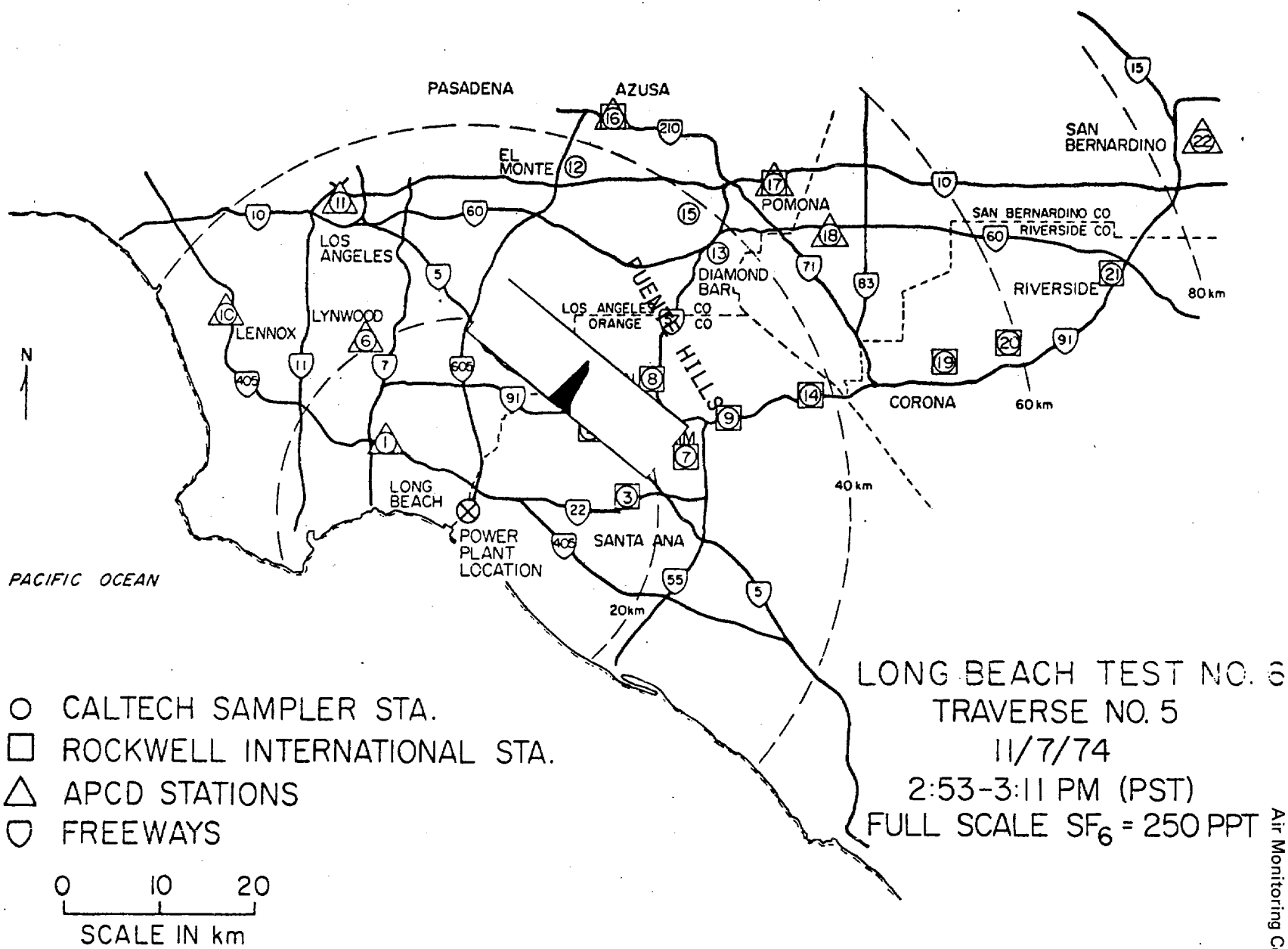

Figure E-6. Automobile Traverse No. 5 for Long Beach Test No. 6

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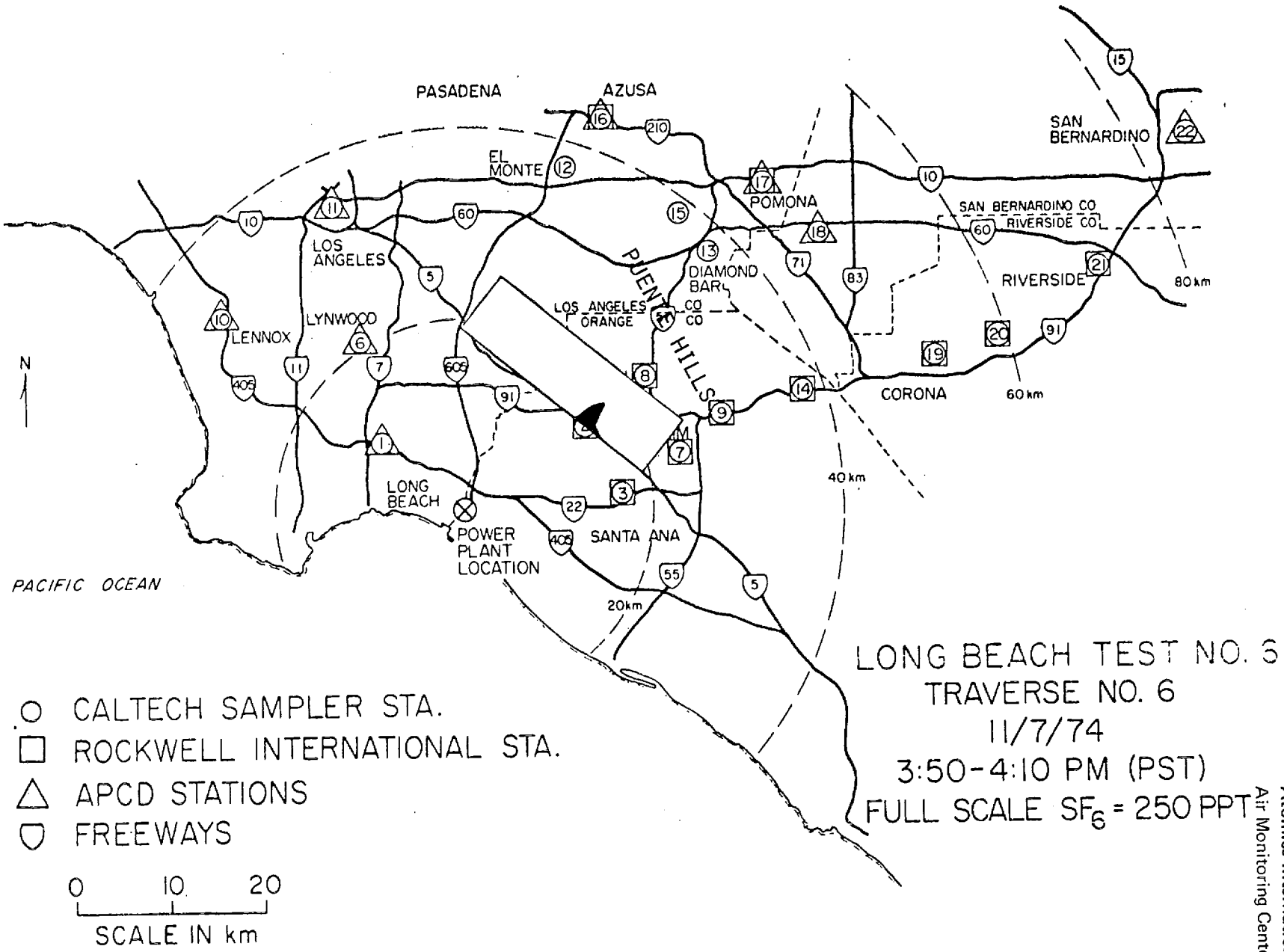

Figure E-7. Automobile Traverse No. 6 for Long Beach Test No. 6.

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TABLE E-11

Two-Hour Average SF_6 Concentrations to Correspond to Filter Collection Times

CONCENTRATION OF SF6 IN PPT DAY A 10 SEPT	SAMPLING TIME INTERVAL 8-10	10-12	12-14	14-16	16-18	18-20
1A 5 ANDERSON RANCH	2.0	0.0	0.0	4.8	3.9	0.0
2A 4 SALINAS F.S. K	0.0	1.3	0.0	1.1	0.0	1.9
3A 2 GARIN CO.	0.0	0.0	0.7	1.3	0.0	0.0
4A 6 FORT ORD	0.7	0.0	0.0	1.0	0.0	11.6
5A17 HOLLISTER APCD	1.6	0.0	2.5	0.0	1.5	0.0
6A16 VERTICARE	2.2	1.8	0.7	0.8	7.7	1.7
7A15 YODER BROTHERS	0.0	1.2	0.0	1.7	1.6	0.0
8A14 YOUTH SCI. CTR.	1.5	0.0	0.0			
9A18 GONZALES H.S.						

CONCENTRATION OF SF6 IN PPT DAY B 11 SEPT	SAMPLING TIME INTERVAL 8-10	10-12	12-14	14-16	16-18	18-20
1B 5 ANDERSON RANCH	1.4	4.9	0.0	0.8	10.7	0.0
2B 4 SALINAS F.S. K	3.3	27.0	83.0	355.0	85.0	1.1
3B 2 GARIN CO.	2.7	0.9	3.0	0.0	0.8	0.0
4B 6 FORT ORD	0.0	1.6	2.6	0.0	0.0	0.0
5B17 HOLLISTER APCD	5.0	10.7	4.5	0.7	0.0	0.0
6B16 VERTICARE						
7B15 YODER BROTHERS	0.0	7.8	91.0	260.0*	130.0	0.6
8B14 YOUTH SCI. CTR.						
9B18 GONZALES H.S.	3.0	7.9	23.6	105.0	113.0	4.2

CONCENTRATION OF SF6 IN PPT DAY C 12 SEPT	SAMPLING TIME INTERVAL 8-10	10-12	12-14	14-16	16-18	18-20
0C 3 UNIDYNAMICS	1.5	0.7	1.5	31.5	69.5	0.6
1C 5 ANDERSON RANCH	0.0	7.7	119.0	232.0	128.0	6.2
2C 4 SALINAS F.S. K	3.2	1.5	30.0	1.2	0.5	0.7
3C 2 GARIN CO.						
4C 6 FORT ORD	1.1	55.0	48.0	0.7	0.0	1.2
5C17 HOLLISTER APCD						
6C16 VERTICARE	0.0	3.4	23.0	85.0		45.0
7C15 YODER BROTHERS	0.0	0.0	30.0	14.4	0.0	0.7
8C14 YOUTH SCI. CTR.	1.3	68.	6.5	1.2	0.0	

TABLE E-12

Two-Hour Average SF_6 Concentrations to Correspond to Filter Collection Times

CONCENTRATION OF SF6 IN PPT DAY D 1 OCT	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19
0D 4 FULLERTON F.S. 2	0.0	40.8	17.5	146.	19.2
1D 2 ANAHEIM F.S. 2					
2D 3 PALM HARBOR MED. CTR.					
3D 8 FULLERTON F.S. 5	0.0	11.8	12.5	13.8	2.1
4D 7 ORAGNE F.S. 3					
5D 9 ANAHEIM F.S. 8	0.0	1.3	6.0	0.9	0.0
6D14 FEATHERLY PARK	0.6	0.0	0.0	1.8	0.0
7D19 CORONA FOREST F.S.	0.0	0.5	0.0	3.0	5.4
8D20 RIVERSIDE F.S. 8	0.5	0.0	0.0	0.0	0.0
9D21 RIVERSIDE CENTRAL F.S	1.7	1.3	4.9	5.3	5.0

CONCENTRATION OF SF6 IN PPT DAY F 11 OCT	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19
0F 4 FULLERTON F.S. 2	6.7	3.9	19.0	46.3	3.0
1F 2 ANAHEIM F.S. 2	4.7	3.2	20.6	23.2	3.3
2F 3 PALM HARBOR MED. CTR.	1.5	0.0	5.4	3.9	1.8
3F 8 FULLERTON F.S. 5	0.0	0.0	6.0	50.7	1.9
4F 7 ORAGNE F.S. 3	6.7	7.6	6.9	6.1	4.0
5F 9 ANAHEIM F.S. 8	0.0	4.5	1.8	1.9	0.9
6F14 FEATHERLY PARK	3.6	8.4	1.8	4.2*	4.2
7F19 CORONA FOREST F.S.	45.0	65.6	97.0	104.0	50.4
8F20 RIVERSIDE F.S. 8	1.5	5.1	4.8	0.0	0.0
9F21 RIVERSIDE CENTRAL F.S	6.9	3.6	7.6	4.4	6.3

CONCENTRATION OF SF6 IN PPT DAY G 17 OCT	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19
0G 4 FULLERTON F.S. 2	3.5	72.9	4.0	43.2	1.9
1G 2 ANAHEIM F.S. 2	3.6	9.9	2.0	47.5	1.7
2G 3 PALM HARBOR MED. CTR.	4.8	1.4	0.0	1.2	3.2
3G 8 FULLERTON F.S. 5	4.5	2.1	50.1	9.9	55.8
5G 9 ANAHEIM F.S. 8	1.1	1.5	12.5	0.0	2.0
6G14 FEATHERLY PARK					
7G19 CORONA FOREST F.S.	7.2	1.6	3.6	1.8	2.8
8G20 RIVERSIDE F.S. 8					

TABLE E-13

Two-Hour Average SF_6 Concentrations to Correspond to Filter Collection Times

CONCENTRATION OF SF6 IN PPT DAY H 25 OCT	SAMPLING TIME INTERVAL 9-11	11-13	13-15	15-17	17-19
0H 4 FULLERTON F.S. 2	9.6	34.1	52.6	139.0	3.3
1H 2 ANAHEIM F.S. 2	2.4	58.0	71.0	78.0	1.0
2H 3 PALM HARBOR MED. CTR.	0.0	7.0	0.0	1.3	1.2
3H 8 FULLERTON F.S. 5	2.8	24.5	30.1	37.6	20.2
4H 5 WHITTIER APCD	4.5	0.9	0.0	2.4	0.0
5H17 POMONA APCD	12.0	14.9	9.5	28.8	21.6
6H14 FEATHERLY PARK					
7H16 AZUSA APCD	1.8	3.1	3.3	0.0	0.6
8H20 RIVERSIDE F.S. 8					
9H21 RIVERSIDE CENTRAL F.S	2.0	1.0	6.5	6.2	0.0

CONCENTRATION OF SF6 IN PPT DAY I 30 OCT	SAMPLING TIME INTERVAL 10-12	12-14	14-16	16-18	18-20
0I 4 FULLERTON F.S. 2	4.5	3.5	57.1	72.2	4.9
1I 2 ANAHEIM F.S. 2	0.0	0.0	100.0	171.0	0.9
2I 3 PALM HARBOR MED. CTR.	0.0	0.0	0.0	0.0	0.0
3I 8 FULLERTON F.S. 5	1.2	0.0	36.1	22.1	3.7
4I 5 WHITTIER APCD	0.0	10.8	1.7	0.0	2.3
5I17 POMONA APCD	1.6	7.9	12.0	5.7	69.6
6I14 FEATHERLY PARK					
8I20 RIVERSIDE F.S. 8					
9I21 RIVERSIDE CENTRAL F.S	1.1	0.0	0.0	3.3	0.6

CONCENTRATION OF SF6 IN PPT DAY J 7 NOV	SAMPLING TIME INTERVAL 10-12	12-14	14-16	16-18	18-20
0J 4 FULLERTON F.S. 2	4.4	11.6	101.0	18.9	12.6
1J 2 ANAHEIM F.S. 2	5.1*	39.1	97.6	14.7	25.5
2J 3 PALM HARBOR MED. CTR.	13.7	0.0*	0.0	2.9	3.4
3J 8 FULLERTON F.S. 5					
4J 5 WHITTIER APCD		5.6	14.5	27.2	10.1
5J17 POMONA APCD	2.6*	13.3	18.7	24.1	7.1*
6J14 FEATHERLY PARK					
7J16 AZUSA APCD	4.7	0.0	3.9*	3.4*	
8J20 RIVERSIDE F.S. 8					

APPENDIX F

EXTENSION OF ATMOSPHERIC DISPERSION MODELS TO INCORPORATE FAST REVERSIBLE REACTIONS

By

Leonard K. Peters
Department of Chemical Engineering
University of Kentucky
Lexington, Kentucky 40506

and

L. Willard Richards
Air Monitoring Center
Rockwell International
Newbury Park, California 91320

NOMENCLATURE

A	reactant or concentration of A, kmoles m^{-3}
A_o	background concentration of A, kmoles m^{-3}
B	reactant or concentration of B, kmoles m^{-3}
B_o	background concentration of B, kmoles m^{-3}
c_I	inert species concentration, kmoles m^{-3}
c_{N_i}, c_{N_j}	species concentration, kmoles m^{-3}
$c^o_{N_i}$, $c^o_{N_j}$	background species concentration, kmoles m^{-3}
D	reaction product or concentration of D, kmoles m^{-3}
D_o	background concentration of D, kmoles m^{-3}
$\frac{D}{Dt}$	substantial derivative
E	reaction product or concentration of E, kmoles m^{-3}
E_o	background concentration of E, kmoles m^{-3}
H	effective stack height, m
k_f	forward reaction rate constant, $m^3 kmole^{-1} s^{-1}$ for second order reaction
k_r	reverse reaction rate constant, $m^3 kmole^{-1} s^{-1}$ for second order reaction
K	equilibrium constant
n	number of reactant species
N_i	generalized reactant species
N_j	generalized reaction product species
p	number of reaction product species
Q_i, Q_j	emission source strength, kmoles s^{-1}
$Q_{i,j}$	combined emission source strength, kmoles s^{-1}

U	wind speed, m s^{-1}
x	downwind distance coordinate
y	crosswind distance coordinate
z	vertical distance coordinate
α	dimensionless ground level concentration
β	dimensionless downwind distance
$\delta(\ )$	Dirac delta function
$\tilde{\varepsilon}$	eddy diffusivity tensor
ε_y	eddy diffusivity in y-direction, $m^2 s^{-1}$
ε_z	eddy diffusivity in z-direction, $m^2 s^{-1}$
ν_i, ν_j	stoichiometric coefficients
σ_y	standard deviation in y-direction, m
σ_z	standard deviation in z-direction, m
τ_r	time constant for chemical reaction, s
τ_t	time constant for transport, s
$\phi_{i,j}$	concentration function defined by Equation (5), kmole m^{-3}
$\phi^{\circ}_{i,j}$	concentration function at background conditions, kmole m^{-3}
$\psi_{i,j}$	function defined by Equation (12), s m^{-3}
∇	divergence operator

ABSTRACT

Atmospheric dispersion with simultaneous chemical reaction is important with many air pollutants. In this paper, the concept of local chemical equilibrium is utilized to obtain analytical expressions for dispersion from ideal point sources when rapid reversible reactions are occurring. The time constants for the transport and a general second order reaction are compared, and the condition that local chemical equilibrium is a valid approximation is shown to be $kc \gg 10^{-3}s^{-1}$ except near the source.

In the most general case, a system of non-linear algebraic equations must be solved using this procedure to obtain the spatial distributions of the species concentrations. However, this is still more readily accomplished than by numerically integrating the governing partial differential equations. The predictions of the analysis are illustrated with four examples including the important special case of conversion of NO to NO_2 in stack plumes. In several cases, the ground level profiles are shown to be substantially different from that of a chemically inert species. Under certain circumstances, the concentration can even be reduced below background at intermediate distances from the source but eventually increases to background level further downwind.

INTRODUCTION

Many pollutants commonly found in the atmosphere are not chemically inert but rather participate in one or more reactions. As a result, the traditional equations used to describe their atmospheric dispersion and transport, which are frequently based on the species being inert, are at best an approximation to the true physical phenomena occurring. One familiar example is the gaussian plume model.

When chemical reactions are important in the process, the mathematical description of the combined transport and chemistry can become sufficiently complex that numerical solution of the governing differential equations is indicated. As a result, the procedure frequently used is to ignore either the chemistry or transport and solely consider the other. For example, much of the literature on the photochemical smog modeling (cf., Hecht and Seinfeld, 1972; Eschenroeder and Martinez, 1972; Hecht, Seinfeld and Dodge, 1974; and Demerjian, Kerr and Calvert, 1974) considers a static batch reaction system.

There are a few simple cases where algebraic solution describing the transport of a reactive species is possible. Specifically, if the species is undergoing a simple first order irreversible chemical reaction the plume formulae can be modified by multiplying by an exponential decay term that depends on the first order reaction rate constant and the travel time (Heines and Peters, 1973). A slightly more complex case is where the reaction is not first order but is reversible and sufficiently fast that

the reactant and product distributions adjust quickly to any changes in the concentration of one or more of the species. This paper will consider some aspects of this latter type of system, and we will present a mathematical procedure for attacking such problems in which the chemistry is separated from the atmospheric dispersion calculations. The procedure is similar to that used by Toor and Chiang (1959) and Toor (1962) for diffusion controlled reaction systems in other applications.

THEORY

Consider a region in which the following general equilibrium reaction is occurring between n reactants and p products

$$\sum_{i=1}^{n} \nu_i N_i \underset{k_r}{\overset{k_f}{\rightleftharpoons}} \sum_{j=1}^{p} \nu_j N_j \qquad (1),$$

where N_i and N_j are the reactant and product species, respectively, and ν_i and ν_j are their respective stoichiometric coefficients. The forward and reverse reactions are considered to be sufficiently fast that the overall chemical reaction is essentially at equilibrium; i.e., the concentrations at any point in space are related by the equilibrium constant, K. Thus,

$$K = \frac{k_f}{k_r} = \frac{\prod_{j=1}^{p} c_{N_j}^{\nu_j}}{\prod_{i=1}^{n} c_{N_j}^{\nu_i}} \qquad (2).$$

Superimposed upon this chemical reaction can be convective and turbulent diffusive transport. As a result, the concentrations of the species at some

point in space are changing due to both the chemical reaction and the transport. However, the chemical reactions are considered fast relative to the transport so that the concentrations rapidly adjust to any perturbations and local chemical equilibrium exists. In general, we can write for each reactant, assuming an eddy diffusivity concept to parameterize the turbulent diffusion,

$$\frac{Dc_{N_i}}{Dt} = \nabla\cdot(\tilde{\varepsilon}\cdot\nabla c_{N_i}) - \nu_i(k_{f}\prod_{i=1}^{n} c_{N_i}^{\nu_i} - k_{r}\prod_{j=1}^{p} c_{N_j}^{\nu_j}) \qquad (3);$$

and for each product,

$$\frac{Dc_{N_j}}{Dt} = \nabla\cdot(\tilde{\varepsilon}\cdot\nabla c_{N_j}) + \nu_j(k_{f}\prod_{i=1}^{n} c_{N_i}^{\nu_i} - k_{r}\prod_{j=1}^{p} c_{N_j}^{\nu_j}) \qquad (4).$$

In Equations (3) and (4), $\frac{D}{Dt}$ represents the substantial derivative and $\tilde{\varepsilon}$ represents the eddy diffusivity tensor. The first term on the right describes the concentration changes due to atmospheric dispersion, and the terms multiplied by ν_i or ν_j describe the concentration changes due to chemical reactions. For a chemically inert species of concentration c_I, the equation becomes

$$\frac{Dc_I}{Dt} = \nabla\cdot(\tilde{\varepsilon}\cdot\nabla c_I) \qquad (5),$$

which is generally linear in c_I. On the other hand, the chemical reaction terms create a non-linearity (except in the case of simple zeroth order or first order chemical reactions) as well as mathematically coupling the equations so that Equations (3) cannot be solved without simultaneously solving Equations (4), and vice-versa.

There are a total of n + p species equations of continuity, and as a result, n + p independent equations can be written. We choose to define n + p - 1 functions as

$$\phi_{i,j} = \nu_j c_{N_i} + \nu_i c_{N_j} \qquad (6).$$

The $\phi_{i,j}$ are linearly independent for the proper combinations of N_i and N_j. Furthermore, the $\phi_{i,j}$ now satisfy the turbulent diffusion equation,

$$\frac{D\phi_{i,j}}{Dt} = \nabla\cdot(\tilde{\varepsilon}\cdot\nabla\phi_{i,j}) \qquad (7).$$

Equation (7) is generally linear, has the same form as Equation (5) for an inert species, and with certain initial and boundary conditions it can be readily solved. As a result, the n + p - 1 algebraic expressions for $\phi_{i,j}$ can be combined with the equilibrium condition, Equation (2), to solve for the concentrations of all species. The important point to observe is that, under the constraint of local chemical equilibrium, a system of non-linear partial differential equations has been replaced by a system of non-linear algebraic equations. In the algebraic form, the solution is generally more easily attained.

Now an important special case is that illustrated in Figure 1 where the emissions from a source can react with each other or with other species present in the atmosphere. The species are emitted from a source at an effective height H into an atmosphere having a steady wind U in the positive x-direction. The ground is considered to be a perfect barrier to any transport. Based on this model, the differential equation describing the transport of any reactant is

$$U \frac{\partial c_{N_i}}{\partial x} = \frac{\partial}{\partial y} \left(\varepsilon_y \frac{\partial c_{N_i}}{\partial y}\right) + \frac{\partial}{\partial z} \left(\varepsilon_z \frac{\partial c_{N_i}}{\partial z}\right) - \nu_i \left(k_f \prod_{i=1}^{n} c_{N_i}^{\nu_i} - k_r \prod_{j=1}^{p} c_{N_j}^{\nu_j}\right) \quad (8),$$

with boundary conditions

i) at $x = 0$, $c_{N_i} = c_{N_i}^{\circ} + \frac{Q_i}{U} \delta(y)\, \delta(z-H)$;

ii) and iii) at $y \longrightarrow \pm \infty$, $c_{N_i} = c_{N_i}^{\circ}$;

iv) at $z = 0$, $\frac{\partial c_{N_i}}{\partial z} = 0$; and

v) at $z \longrightarrow \infty$, $c_{N_i} = c_{N_i}^{\circ}$.

Similar equations and boundary conditions can be written for each reaction product. The term Q_i represents the source strength of species N_i at the emission point; some of the Q_i (or Q_j) may be zero. Furthermore, $c_{N_i}^{\circ}$ represents the background concentrations which satisfy the equilibrium constraint in Equation (2).

By again using the $\phi_{i,j}$ functions, Equation (8) can be transformed to eliminate the chemical reaction terms,

$$U \frac{\partial \phi_{i,j}}{\partial x} = \frac{\partial}{\partial y} \left(\varepsilon_y \frac{\partial \phi_{i,j}}{\partial y}\right) + \frac{\partial}{\partial z} \left(\varepsilon_z \frac{\partial \phi_{i,j}}{\partial z}\right) \quad (9),$$

with boundary conditions

i) at $x = 0$, $\phi_{i,j} = \nu_j c_i^{\circ} + \nu_i c_j^{\circ} + \frac{\nu_j Q_i + \nu_i Q_j}{U} \delta(y)\, \delta(z-H)$;

ii) and iii) at $y \longrightarrow \pm \infty$, $\phi_{i,j} = \nu_j c_i^{\circ} + \nu_i c_j^{\circ}$;

iv) at $z = 0$, $\frac{\partial \phi_{i,j}}{\partial z} = 0$; and

v) at $z \longrightarrow \infty$, $\phi_{i,j} = \nu_j c_i^{\circ} + \nu_i c_j^{\circ}$.

Thus, it is noted that $\phi_{i,j}$ satisfies the conditions for a point emission source. Designating $\phi^{\circ}_{i,j} = \nu_j c^{\circ}_i + \nu_i c^{\circ}_j$ and $Q_{i,j} = \nu_j Q_i + \nu_i Q_j$, the solution to Equation (9) with attendant boundary conditions, where ε_y and ε_z are independent of y and z, respectively, is

$$\phi_{i,j} = \phi^{\circ}_{i,j} + \frac{Q_{i,j}}{4\pi\sqrt{\varepsilon_y \varepsilon_z}\, x} \exp\left(-\frac{Uy^2}{4\varepsilon_y x}\right)\left\{\exp\left[-\frac{U(z-H)^2}{4\varepsilon_z x}\right] + \exp\left[-\frac{U(z+H)^2}{4\varepsilon_z x}\right]\right\} \quad (10).$$

Equation (10) can also be written in the familiar gaussian form

$$\phi_{i,j} = \phi^{\circ}_{i,j} + \frac{Q_{i,j}}{2\pi U \sigma_y \sigma_z} \exp\left(-\frac{y^2}{2\sigma y^2}\right)\left\{\exp\left[-\frac{(z-H)^2}{2\sigma_z^{\,2}}\right] + \exp\left[-\frac{(z+H)^2}{2\sigma_z^{\,2}}\right]\right\} \quad (11).$$

A further simplification can be made by introducing the function

$$\psi_{i,j} = \frac{\phi_{i,j} - \phi^{\circ}_{i,j}}{Q_{i,j}} \quad (12).$$

Equation (10) then takes the form

$$\psi_{i,j} = \frac{1}{4\pi \sqrt{\varepsilon_y \varepsilon_z}\, x} \exp\left(-\frac{Uy^2}{4\varepsilon_y x}\right) \left\{ \exp\left[-\frac{U(z-H)^2}{4\varepsilon_z x}\right] + \exp\left[-\frac{U(z+H)^2}{4\varepsilon_z x}\right] \right\} \quad (13),$$

and an analogous expression can be written based on Equation (11). In this formulation, the chemistry and source strengths are separated from the atmospheric dispersion, with the result that the right hand side of Equation (13), or its analog in σ_y, σ_z form are the same for all $\psi_{i,j}$. Therefore, all $\psi_{i,j}$ have the same value at a given point in space, and the value of each $\phi_{i,j}$ above the background, $\phi_{i,j} - \phi^{o}_{i,j}$, is proportional to the corresponding source strength $Q_{i,j} = \nu_j Q_i + \nu_i Q_j$. It is important to note that the right hand side of the equations have the same form as the gaussian dispersion model for an inert chemical species, so the widely available tables and graphs for gaussian models (e.g., Turner, 1970) can be used without modification.

Once the values of the $\psi_{i,j}$ functions have been determined from Equation (13) (or if one prefers, the $\phi_{i,j}$ functions determined from Equation (10) or (11)), the equilibrium expression in Equation (2) can be used to determine the concentrations of the n + p chemical species. However, it should be noted that Equation (2) is valid for instantaneous concentrations, and may not exactly correspond to average concentrations measured over times long enough that appreciable concentration fluctuations occur.

This calculation method is not restricted to the use of the combinations of concentrations which appear in Equation (6). Many other combinations, including any linear combination of the $\phi_{i,j}$, can be constructed which satisfy Equation (7).

DISCUSSION

Before proceeding to discuss some aspects of the foregoing analysis, let us formalize the conditions under which the limiting case of fast reactions at equilibrium can apply. As stated previously, the model is appropriate if both the forward and reverse reactions are fast compared to the transport. Let τ_t represent the time constant of the transport process, and τ_r represent the time constant of the chemical reactions involved. Then, the condition for local chemical equilibrium to apply is

$$\frac{\tau_t}{\tau_r} \gg 1 \qquad (14).$$

For the reverse condition, $\tau_t/\tau_r \ll 1$, the reactions are sufficiently slow compared to the transport that the inert species assumption is valid.

In order to establish Condition (14), consider the schematic reaction

$$A + B \underset{k_r}{\overset{k_f}{\rightleftharpoons}} D + E \qquad (15),$$

and concentrate on species A. In the absence of chemical reaction, the transport of A from a point source can be described as

$$c_A = \frac{Q_A}{2\pi U \sigma_y \sigma_z} \exp\left(-\frac{y^2}{2\sigma_y^2}\right) \left\{ \exp\left[-\frac{(z-H)^2}{2\sigma_z^2}\right] + \exp\left[-\frac{(z+H)^2}{2\sigma_z^2}\right] \right\} \quad (16),$$

and for the special case of $y = 0$, $z = 0$, and $\sigma_y = \sigma_z = \sigma$, Equation (16) is

$$c_A = \frac{Q_A}{\pi U \sigma^2} \exp\left(-\frac{H^2}{2\sigma^2}\right) \quad (17).$$

The time constant for the transport can be evaluated by observing that $dc/dt = U\, dc/dx$; the result is

$$\tau_t \simeq \left[U \left(\frac{H^2}{\sigma^3} - \frac{2}{\sigma}\right) \frac{d\sigma}{dx} \right]^{-1} \quad (18).$$

Using the forward reaction as the basis for evaluating τ_r, Condition (12) then becomes

$$\frac{k_f c_B}{U \left(\frac{H^2}{\sigma^3} - \frac{2}{\sigma}\right) \frac{d\sigma}{dx}} \gg 1 \quad (19).$$

Obviously, τ_t/τ_r varies with x but for typical values the condition is approximately

$$k_f c_B \gg 10^{-3}\ s^{-1} \quad (20),$$

except very near the source. There are a number of important reactions that satisfy this criterion—for example, the ozone oxidation of nitric oxide. In cases where the dispersion is sufficiently rapid compared to the chemical reaction rates that this criterion is not satisfied, Equations (10), (11), and (13) remain valid. The $\phi_{i,j}$ combinations of concentrations can still be determined although the assumption of local equilibrium cannot be made. When the distance from the source becomes large enough that the criterion is satisfied, Equation (2) becomes applicable, and then all species concentrations can be calculated.

Now let us illustrate the results by considering several examples. The possible variations in all of the parameters are innumerable, but these illustrations will elucidate some of the results of the analysis.

Example 1

Consider the reversible second order chemical reaction given by Equation (15), and a source emitting equal molar rates; i.e., $Q_A = Q_B = Q_D + Q_E$. Furthermore, consider that the background concentrations are all zero. Thus, the four equations to be solved simultaneously are

$$\psi_{A,D} = \psi_{B,E} = \psi_{A,E} = \frac{1}{2\pi U\sigma_y\sigma_z} \exp\left(-\frac{y^2}{2\sigma_y^2}\right)\left\{\exp\left[-\frac{(z-H)^2}{2\sigma_z^2}\right] + \exp\left[-\frac{(z+H)^2}{2\sigma_z^2}\right]\right\} \quad (21),$$

and

$$K = \frac{c_D c_E}{c_A c_B} \qquad (22),$$

where, for example,

$$\psi_{A,D} = \frac{c_A + c_D}{Q_A + Q_D} \qquad (23).$$

Take the important special case of $y = 0$ and $z = 0$ and let $\sigma_y = \sigma_z$. Furthermore, define a dimensionless ground level concentration as $\alpha_i = \frac{c_i(x,0,0)UH^2}{Q_i}$ and a dimensionless distance downwind as $\beta = \sigma_z/H$.

The results of solving Equations (21) thru (23) are shown in Figure 2 for K = 0.1, 1.0, and 10. In the case of K = 1.0 the ground level concentration profiles remain unchanged for both the reactants and products as compared to an inert species being emitted. This is not surprising since the emissions are equal for all four species, and K = 1.0 corresponds to an equal distribution between the reactants and products. On the other hand, the reactant concentrations are increased for $K < 1$ and decreased for $K > 1$. The behavior of the product concentrations is reversed. The dashed line shows the upper limit that the reactant and product concentrations can reach under the specified constraints.

One might speculate that the behavior illustrated in Figure 2 is incompatible with the premise of local chemical equilibrium since equal molar emissions would necessitate that K = 1.0 at the point of emission. However, this is only true for a reaction that would show no temperature dependency of K since generally the emissions at the source would be at a temperature different from ambient. One must remember that the K specified in the theory

corresponds to the local or ambient temperature. For the frequently encountered case in which the temperature at the point of emission is greater than ambient, $K < 1$ corresponds to an endothermic reaction and $K > 1$ corresponds to an exothermic reaction.

Example 2

Again consider the second order reversible reaction given by Equation (15) and employed in the first example. However, all emissions from the source are zero except for Q_A. In addition, the background concentrations are non-zero, and $A_o = \frac{Q_A}{e\pi UH^2}$ which corresponds to half of the maximum ground level concentration (assuming $\sigma_y = \sigma_z$) if reaction is not occurring. The other background concentrations are $B_o = 4\ A_o$ and $D_o = E_o = 2\ A_o$. The equilibrium constant is taken to be unity, and one can note that the background concentrations satisfy the equilibrium constraint.

The results are shown in Figure 3 for $y = 0$ and $z = 0$, again with $\sigma_y = \sigma_z$. The dashed line shows the ground level concentration profile for an inert species with background concentration corresponding to $\frac{Q}{e\pi UH^2}$. It is noted that the concentrations of both D and E are increased by as much as forty percent above their background values due to the reaction. On the other hand, species B is consumed by the chemical reaction, and since it is not being emitted from the source the concentration decreases. The maximum decrease corresponds to almost seventy percent of the background.

Example 3

As another illustration, consider the reversible reaction

$$A + B \rightleftharpoons D \qquad (24),$$

with the reaction product D being emitted from the source but $Q_A = Q_B = 0$. Furthermore, the background concentrations are equal, and D_o corresponds to $\frac{Q_D}{e\pi UH^2}$. The equilibrium constant K is numerically equal to A_o^{-1}.

In this example, there are just three equations to be solved. These correspond to $\phi_{A,D}$, $\phi_{B,D}$, and the equilibrium constraint. The results, graphed in Figure 4, show that A and B both increase by as much as fifty percent above their respective background values due to the reverse reaction. The concentration of D increases even more due to both the emissions and the reaction. The magnitudes of these respective increases, of course, depend on the value of K.

Example 4

One important motivation for this work was a desire to determine the extent to which the conversion of NO into NO_2 observed with experimental data for a stack plume was due to the mixing with ambient ozone, and the extent to which additional photochemistry was playing a role. If only the mixing with ambient ozone is important, the equation for the reaction is

$$NO + O_3 \longrightarrow NO_2 + O_2 \qquad (25).$$

In addition, the photolysis of NO_2 leads to the following reactions.

$$NO_2 \xrightarrow{h\nu} NO + O \qquad (26)$$

$$O + O_2 \xrightarrow{M} O_3 \qquad (27)$$

These reactions are all fast, and to a good approximation, the stationary state concentrations are related by

$$\frac{c_{NO}\ c_{O_3}}{c_{NO_2}} \simeq \frac{k_{26}}{k_{25}} \qquad (28),$$

where k_{26} is the photochemical dissociation rate of NO_2 at the prevailing radiation intensity (Demerjian, Kerr and Calvert, 1974). In this example, the steady state relation takes the place of the equilibrium expression in Equation (2).

One convenient combination of concentrations is

$$\phi_{NO,NO_2} = c_{NO} + c_{NO_2} = c_{NO_x} \qquad (29),$$

which describes the dispersion of NO_x. Another useful combination is

$$\phi_{O_3,NO_2} = c_{O_3} + c_{NO_2} \qquad (30),$$

which can be thought of as describing the dispersion of "extra oxygen atoms" contained in either O_3 or NO_2. Then

$$\psi_{NO,NO_2} = \frac{c_{NO} - c^{\circ}_{NO} + c_{NO_2} - c^{\circ}_{NO_2}}{Q_{NO} + Q_{NO_2}} = \frac{c_{NO_x} - c^{\circ}_{NO_x}}{Q_{NO_x}} \qquad (31),$$

and

$$\psi_{O_3,NO_2} = \frac{c_{O_3} - c^{\circ}_{O_3} + c_{NO_2} - c^{\circ}_{NO_2}}{Q_{O_3} + Q_{NO_2}} \qquad (32).$$

The fact that $\psi_{NO,NO_2} = \psi_{O_3,NO_2}$ at all locations in the plume immediately leads to the result

$$\frac{c_{O_3} - c^{\circ}_{O_3} + c_{NO_2} - c^{\circ}_{NO_2}}{c_{NO_x} - c^{\circ}_{NO_x}} = \frac{Q_{O_3} + Q_{NO_2}}{Q_{NO_x}} \qquad (33).$$

The value of the right side of Equation (33) is determined by the emission rates. Ozone is not emitted, and typically about 5% of the NO_x is emitted as NO_2. However, the reaction

$$2NO + O_2 \longrightarrow 2NO_2 \qquad (34)$$

causes some additional formation of NO_2 in the atmosphere at a rate given by the expression $k\, c^2_{NO}\, c_{O_2}$, where k has the value $1.5 \times 10^4\ m^6\ kmole^{-2}\ s^{-1}$ at 25°C, and decreases slightly with increasing temperature. (The activation energy is - 1.2 kcal $mole^{-1}$.) This process is slow enough that it is not important in the stack, and rapidly becomes unimportant as the plume is dispersed in the atmosphere because of the dependence on the square of the NO concentration. However, if the NO concentration in the stack is about 125 ppm, 2 to 4% of the NO will be oxidized in the atmosphere by this process during the first 10 to 20 minutes, and 5 to 10% will be oxidized if the NO concentration is 200 ppm. Therefore, the right side of Equation (33) typically has a value near 0.12.

If mixing with the ambient ozone is the dominant mechanism for the further conversion of NO into NO_2, the left side of Equation (33) will have

the constant value calculated above at all locations in the plume, except close to the stack. As the free radical reactions characteristic of smog photochemistry become important, the expression will take on larger values. In the region where the mixing with ambient ozone is the dominant conversion process, the concentrations of NO, NO_2, and O_3 can be determined by using plume dispersion formulas to estimate the concentration of NO_x in excess of the background concentration, and then solving for the concentrations of the other species with the aid of Equations (28) and (33).

A specific example of the concentration profiles along a line perpendicular to the plume axis is shown in Figure 5. In this case, the value of the right side of Equation (33) is 0.12, and the ratio in Equation (28) equals 0.02 ppm, which is appropriate for radiation intensities during much of the day. The background concentrations are $c^{\circ}_{NO_x} = 0.08$ ppm and $c^{\circ}_{O_3} = 0.10$ ppm; hence from Equation (28), $c^{\circ}_{NO} = 0.0133$ ppm and $c^{\circ}_{NO_2} = 0.0667$ ppm. The maximum NO_x due to the plume is 0.2 ppm, so the maximum NO_x concentration is 0.28 ppm. These conditions are appropriate for locations near the region of maximum ground level impact of a power plant plume in an urban area with photochemical smog.

Figure 5 can also be used to obtain information about pollutant concentrations in regions of lesser plume impact. For any concentration of NO_x, the concentrations of NO, NO_2, and O_3 can be read from the graph, provided the background concentrations remain constant.

SUMMARY

A procedure that can be employed to treat dispersion from point sources with simultaneous fast reversible chemical reaction has been presented. For such systems, the procedure permits one to solve for the spatial distribution of the species concentrations by solving a set of non-linear simultaneous algebraic equations rather than resorting to numerical integration of the governing partial differential equations. This set of equations contains the point source formula for dispersion from an ideal stack.

The validity of the procedure necessitates that the chemical reactions are rapid relative to the transport so that local chemical equilibrium is always maintained. The conditions necessary for this constraint are discussed relative to a general second order reversible chemical reaction.

The results of the analysis have been described using four specific examples in which the equilibrium constant, the source strengths, and the background concentrations are varied. Substantial variations in the ground level concentration profiles are observed. The magnitudes of the variations naturally depend on the numerical values of the parameters.

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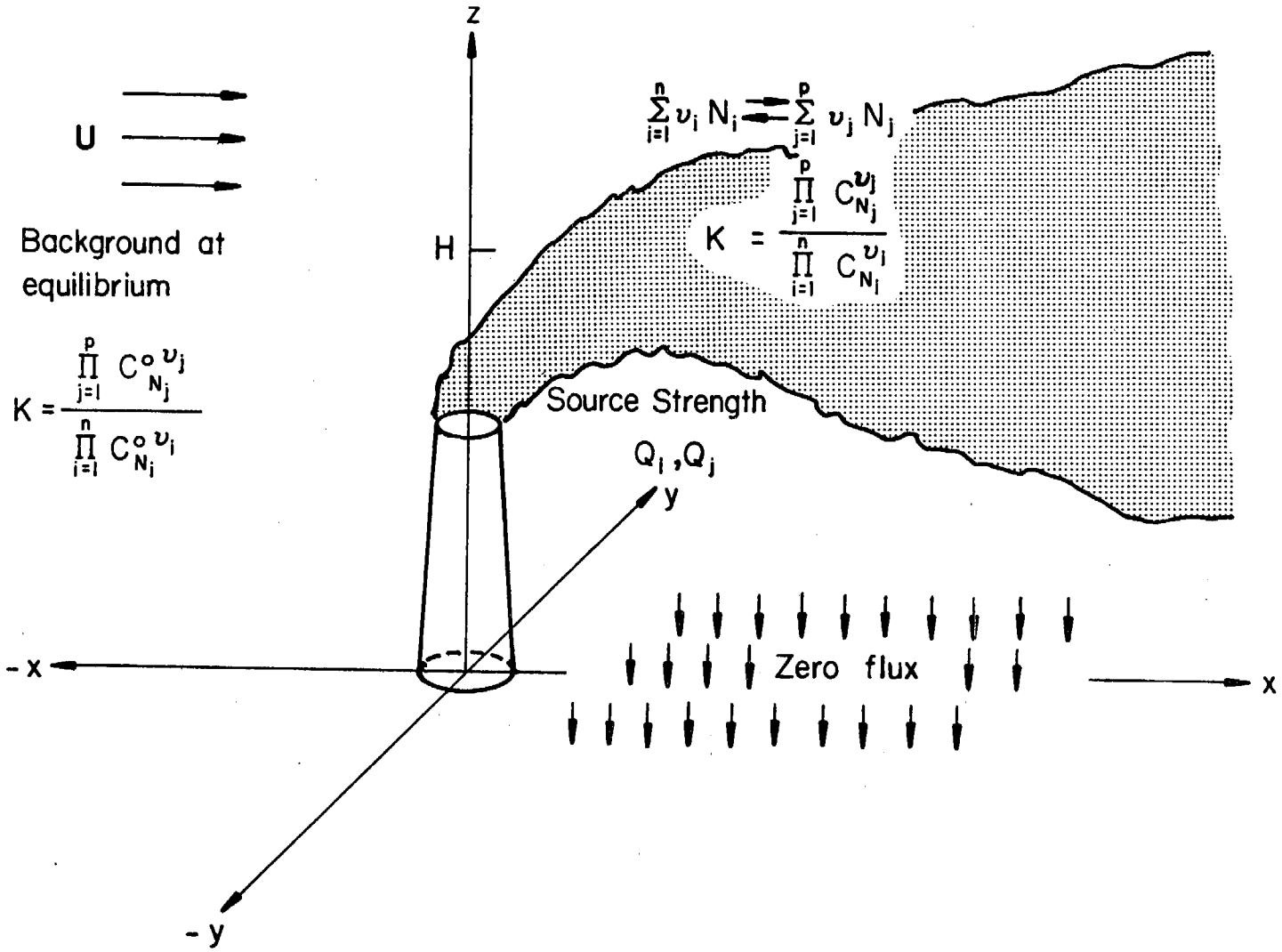

Figure 1. Coordinate System Used for Analysis

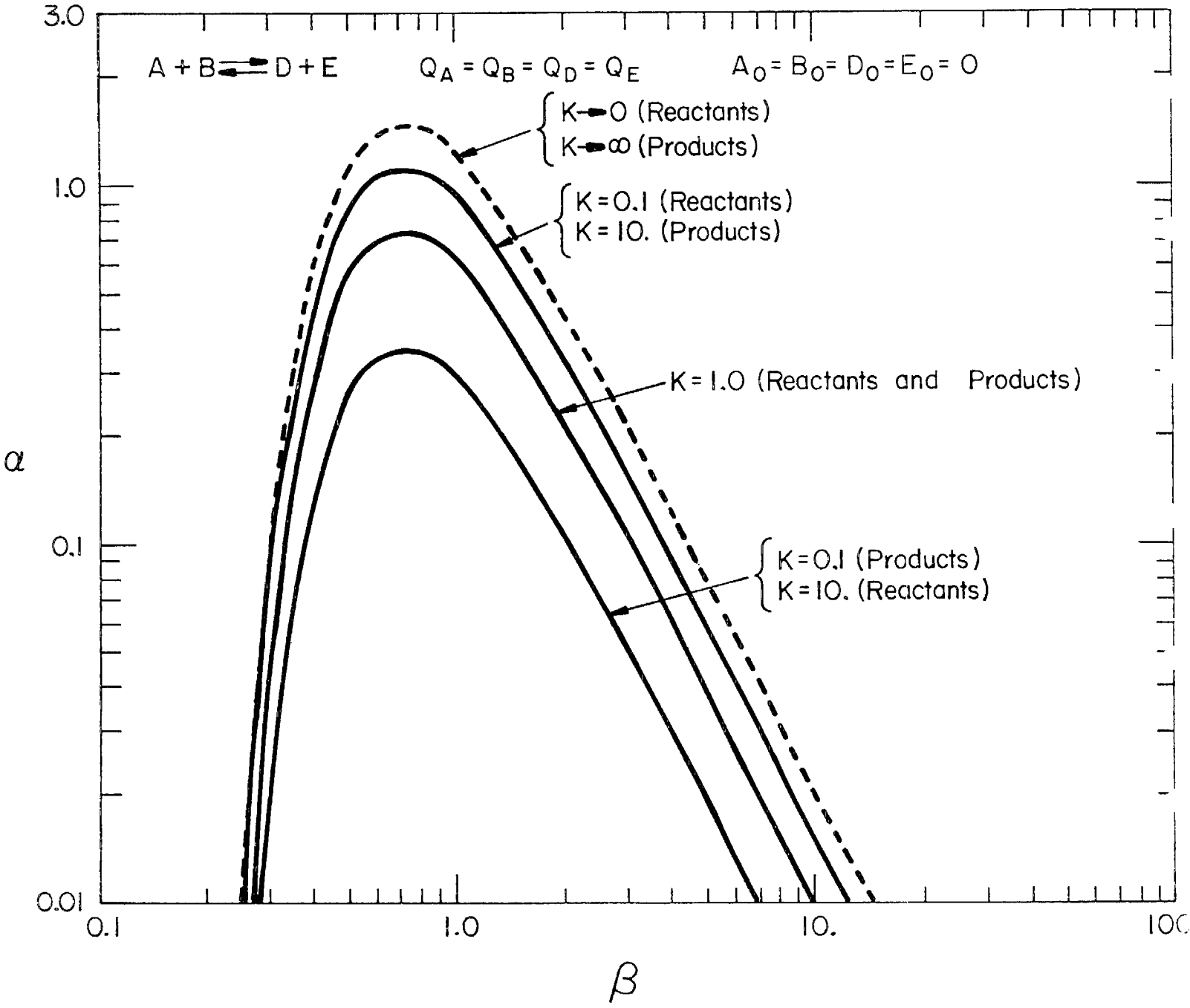

Figure 2. Dimensionless Ground Level Concentration Profiles for Example 1.

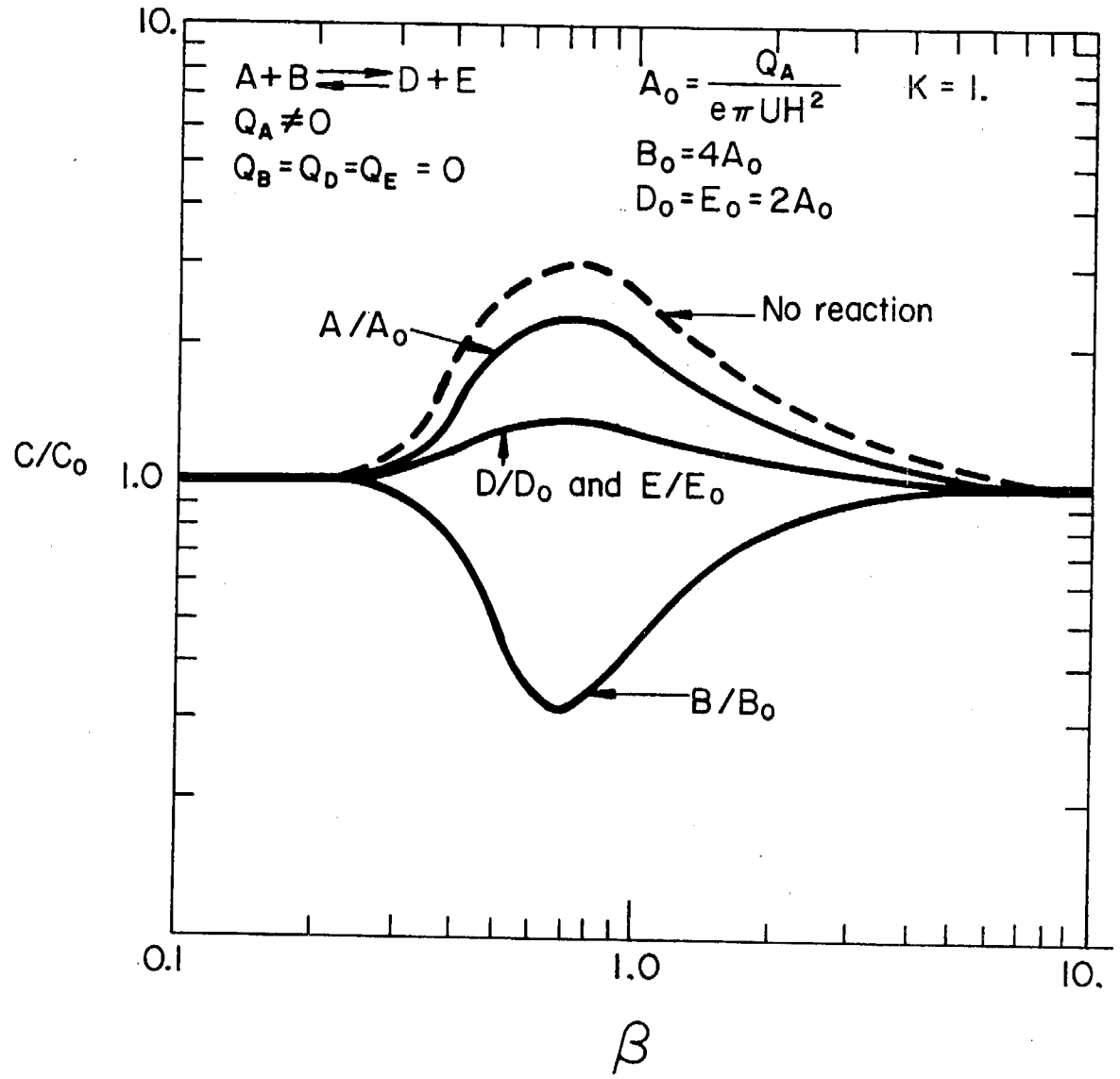

Figure 3. Dimensionless Ground Level Concentration Profiles for Example 2.

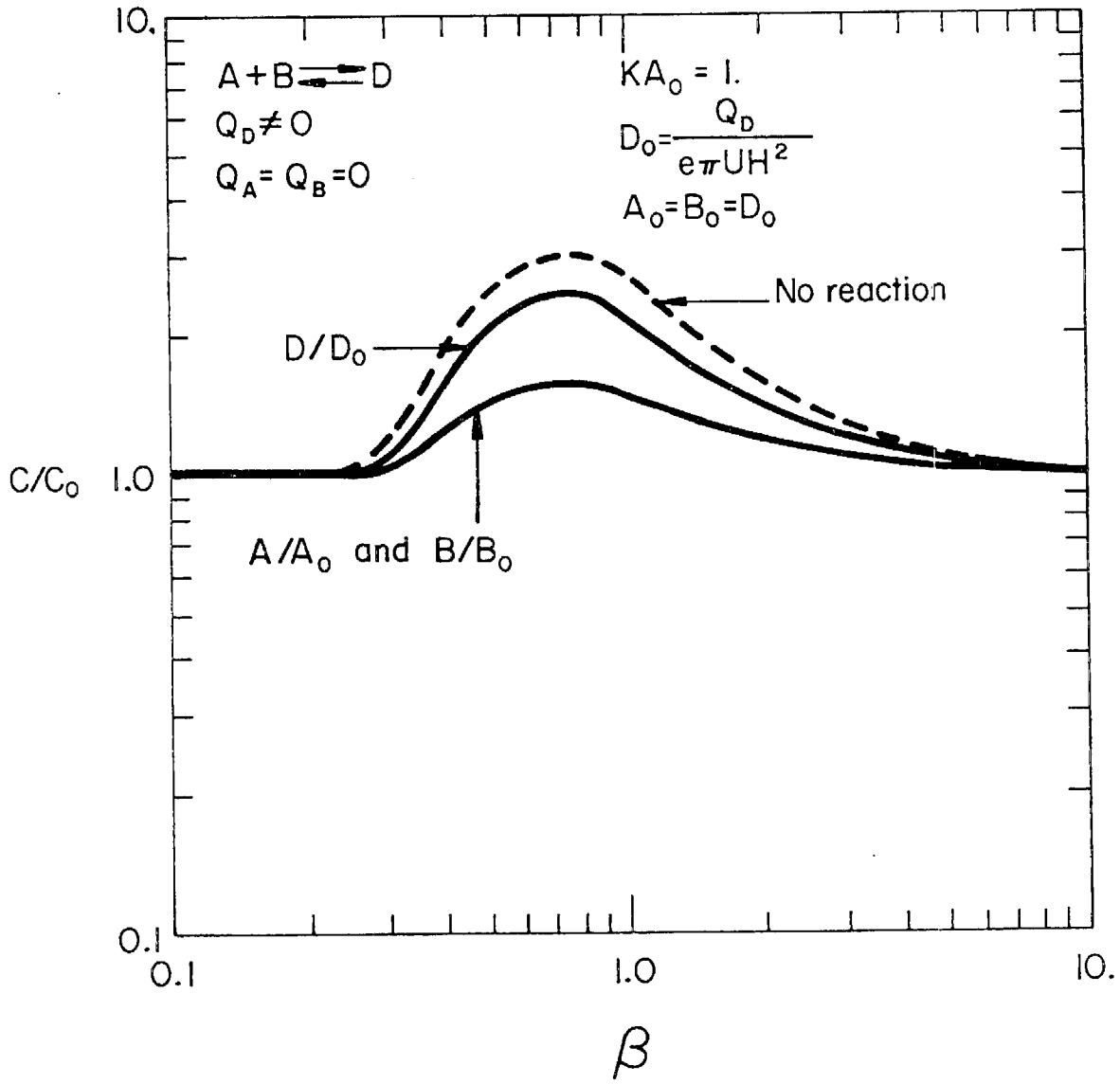

Figure 4. Dimensionless Ground Level Concentration Profiles for Example 3.

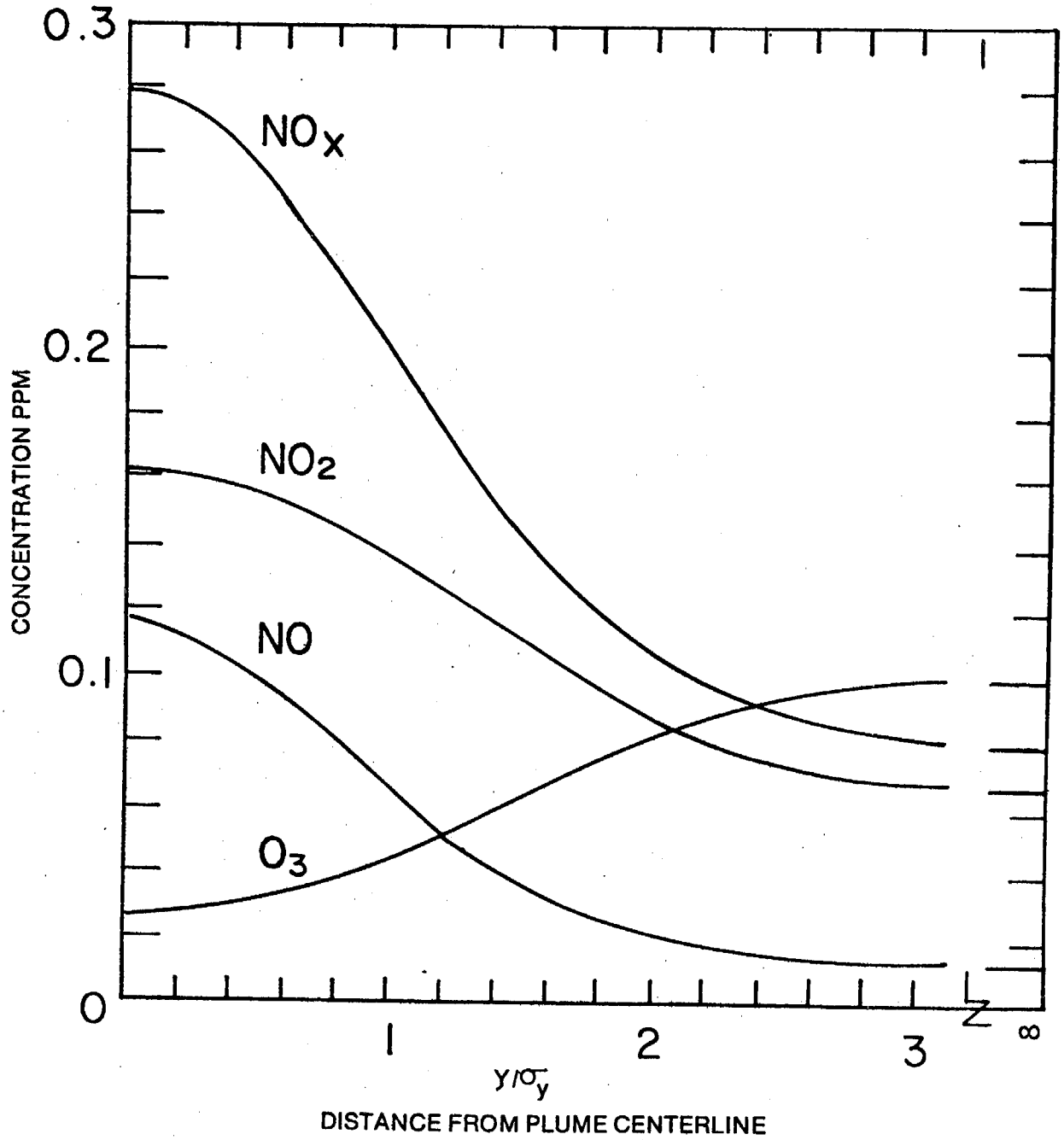

Figure 5. Concentration Profile Perpendicular to the Plume Axis

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