

Table A-1. Long-term Charcoal Tube Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST	NORMAL	MIN	DET	PPM
						LOADS	LOADS			
B	2	O	1	d	.	1	0	409	Q	0.040
B	2	O	1	e	.	0	2	431	Q	0.030
B	2	O	2	d	.	1	0	419	N	0.010
B	2	O	2	e	.	0	2	401	Q	0.020
B	2	O	3	d	.	1	0	384	N	0.030
B	2	O	3	e	.	0	2	488	N	0.010
B	2	S	1	d	.	1	0	325	N	0.020
B	2	S	1	e	.	0	2	477	Q	0.030
B	2	S	2	d	.	1	0	410	N	0.020
B	2	S	2	e	.	0	2	475	Q	0.020
B	2	S	3	d	.	1	0	484	Q	0.040
B	2	S	3	e	.	0	2	483	N	0.010
B	2	T	1	d	.	1	0	432	N	0.010
B	2	T	1	e	.	0	2	430	N	0.020
B	2	T	2	d	.	1	0	394	N	0.010
B	2	T	2	e	.	0	2	443	N	0.020
B	2	T	3	d	.	1	0	432	Q	0.030
B	2	T	3	e	.	0	2	464	N	0.010
B	2	W	1	d	.	1	0	388	N	0.010
B	2	W	1	e	.	0	2	390	N	0.010
B	2	W	2	d	.	1	0	395	N	0.030
B	2	W	2	e	.	0	2	335	N	0.020
B	2	W	3	d	.	1	0	421	N	0.010
B	2	W	3	e	.	0	2	431	N	0.010
C	3	O	1	d	.	1	0	470	.	0.070
C	3	O	1	e	.	1	0	392	Q	0.010
C	3	O	2	d	.	1	0	457	N	0.030
C	3	O	2	e	.	0	1	455	N	0.010
C	3	O	3	d	.	1	0	448	N	0.070
C	3	O	3	e	.	0	1	472	Q	0.085
C	3	S	1	d	.	1	0	492	.	0.070
C	3	S	1	e	.	1	0	473	Q	0.050
C	3	S	2	d	.	1	0	491	N	0.010
C	3	S	2	e	.	0	1	485	Q	0.010
C	3	S	3	d	.	1	0	485	N	0.060
C	3	S	3	e	.	0	1	487	N	0.050
C	3	T	1	d	.	1	0	489	Q	0.060
C	3	T	1	e	.	1	0	475	N	0.020
C	3	T	2	d	.	1	0	491	N	0.020
C	3	T	2	e	.	0	1	486	N	0.050
C	3	T	3	d	.	1	0	485	N	0.110
C	3	W	1	d	.	1	0	369	.	0.220
C	3	W	1	e	.	1	0	260	.	0.000
C	3	W	2	d	.	1	0	457	N	0.020
C	3	W	2	e	.	0	1	455	N	0.030
C	3	W	3	d	.	1	0	290	N	0.180

*Abbreviations found in Table A-7.

Table A-1 (continued). Long-term Charcoal Tube Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST		MIN	DET	PPM
						LOADS	NORMAL LOADS			
C	3	W	3	e	.	0	1	475	N	0.110
D	4	O	1	d	.	0	1	471	N	0.096
D	4	O	1	e	.	1	0	463	Q	0.025
D	4	O	3	e	.	1	0	467	Q	0.020
D	4	S	1	d	.	0	1	490	Q	0.033
D	4	S	1	e	.	1	0	459	Q	0.045
D	4	S	2	d	.	0	1	495	N	0.126
D	4	S	2	e	.	1	0	464	Q	0.081
D	4	S	3	d	.	0	1	502	Q	0.022
D	4	S	3	e	.	1	0	462	Q	0.050
D	4	T	1	d	.	0	1	483	N	0.079
D	4	T	1	e	.	1	0	456	N	0.091
D	4	T	2	d	.	0	1	494	N	0.078
D	4	T	2	e	.	1	0	468	N	0.093
D	4	T	3	d	.	0	1	504	N	0.078
D	4	T	3	e	.	1	0	461	Q	0.047
D	4	W	1	d	.	0	1	465	N	0.091
D	4	W	1	e	.	1	0	462	N	0.132
D	4	W	2	d	.	0	1	483	N	0.089
D	4	W	2	e	.	1	0	469	Q	0.031
D	4	W	3	d	.	0	1	499	N	0.087
D	4	W	3	e	.	1	0	461	N	0.135
E	5	O	1	d	.	1	0	464	N	0.035
E	5	O	1	e	.	0	1	497	N	0.016
E	5	O	2	d	.	1	0	473	N	0.036
E	5	O	2	e	.	0	1	489	N	0.027
E	5	O	3	d	.	1	0	492	.	0.044
E	5	O	3	e	.	0	1	469	N	0.019
E	5	S	1	d	.	1	0	489	N	0.019
E	5	S	1	e	.	0	1	497	Q	0.052
E	5	S	2	d	.	1	0	495	.	0.112
E	5	S	2	e	.	0	1	493	N	0.018
E	5	S	3	d	.	1	0	513	.	0.067
E	5	S	3	e	.	0	1	477	N	0.055
E	5	T	1	d	.	1	0	489	N	0.017
E	5	T	1	e	.	0	1	492	N	0.015
E	5	T	2	d	.	1	0	495	N	0.015
E	5	T	2	e	.	0	1	491	N	0.015
E	5	T	3	d	.	1	0	512	.	0.064
E	5	T	3	e	.	0	1	482	N	0.026
E	5	W	1	d	.	1	0	456	N	0.018
E	5	W	1	e	.	0	1	349	N	0.020
E	5	W	2	d	.	1	0	467	N	0.018
E	5	W	2	e	.	0	1	482	N	0.014
E	5	W	3	d	.	1	0	477	N	0.026
E	5	W	3	e	.	0	1	480	N	0.025
F	7	O	1	d	.	1	0	486	.	0.040

*Abbreviations found in Table A-7.

Table A-1 (continued). Long-term Charcoal Tube Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST	NORMAL	MIN	DET	PPM
						LOADS	LOADS			
F	7	O	1	e	.	0	1	462	.	0.030
F	7	O	2	d	.	1	0	496	.	0.010
F	7	O	2	e	.	0	1	475	.	0.020
F	7	O	3	d	.	1	0	482	.	0.010
F	7	S	2	e	.	0	1	476	.	0.150
F	7	S	3	d	.	1	0	496	.	0.090
F	7	S	3	e	.	0	1	488	.	0.150
F	7	T	1	d	.	1	0	489	.	0.020
F	7	T	1	e	.	0	1	485	.	0.010
F	7	T	2	d	.	1	0	496	.	0.010
F	7	T	2	e	.	0	1	476	.	0.010
F	7	T	3	d	.	1	0	491	.	0.010
F	7	T	3	e	.	0	1	496	.	0.010
F	7	W	1	d	.	1	0	485	.	0.030
F	7	W	1	e	.	0	1	475	.	0.010
F	7	W	2	d	.	1	0	497	.	0.010
F	7	W	2	e	.	0	1	478	N	0.010
F	7	W	3	d	.	1	0	488	.	0.010
F	7	W	3	e	.	0	1	476	.	0.010
F	8	O	1	d	.	1	0	486	.	0.040
F	8	O	1	e	.	0	1	462	.	0.030
F	8	O	2	d	.	1	0	496	.	0.010
F	8	O	2	e	.	0	1	475	.	0.020
F	8	O	3	d	.	1	0	482	.	0.010
F	8	O	3	e	.	0	1	499	.	0.040
F	8	S	1	d	.	1	0	481	.	0.096
F	8	S	1	e	.	0	1	498	.	0.080
F	8	S	2	d	.	1	0	501	.	0.070
F	8	S	2	e	.	0	1	476	.	0.100
F	8	S	3	d	.	1	0	499	.	0.100
F	8	S	3	e	.	0	1	487	.	0.115
G	9	O	1	d	.	1	1	444	.	0.050
G	9	O	1	e	.	0	1	482	.	0.040
G	9	O	2	d	.	0	1	424	.	0.030
G	9	O	2	e	.	1	1	494	.	0.040
G	9	O	3	d	.	0	1	419	.	0.040
G	9	O	3	e	.	1	1	494	.	0.040
G	9	S	1	d	.	1	1	448	.	0.060
G	9	S	2	e	.	1	1	493	.	0.050
G	9	S	2	d	.	0	1	434	.	0.030
G	9	S	3	e	.	1	1	491	.	0.050
G	9	S	3	d	.	0	1	430	.	0.070
G	9	S	1	e	.	0	1	478	.	0.030
G	9	T	1	d	.	1	1	451	.	0.020
G	9	T	1	e	.	0	1	477	.	0.008
G	9	T	2	d	.	0	1	434	.	0.006
G	9	T	2	e	.	1	1	493	.	0.020

*Abbreviations found in Table A-7.

Table A-1 (continued). Long-term Charcoal Tube Results*

HOSP	STER	SITE	DAY	ID	TEST	NORMAL	MIN	DET	PPM
					LOADS	LOADS			
G	9	T	3	.	0	1	429	.	0.030
G	9	T	3	.	1	1	493	.	0.020
G	9	W	1	.	1	1	436	.	0.050
G	9	W	3	.	0	1	424	.	0.020
G	9	W	3	.	1	1	493	.	0.020
H	10	O	1	.	0	3	500	.	0.120
H	10	O	2	.	2	0	462	.	0.060
H	10	O	3	.	0	2	474	.	0.070
H	10	S	1	.	0	2	529	.	0.300
H	10	S	2	.	1	0	502	.	0.380
H	10	S	3	.	0	0	493	.	0.340
H	10	T	1	.	0	3	522	.	0.040
H	10	T	2	.	2	0	495	.	0.040
H	10	T	3	.	0	2	493	Q	0.050
H	10	W	1	.	0	3	516	Q	0.010
H	10	W	2	.	2	0	483	N	0.010
H	10	W	3	.	0	2	476	N	0.030
H	11	O	1	.	0	3	500	.	0.120
H	11	O	2	.	2	0	462	.	0.060
H	11	O	3	.	0	2	474	.	0.070
H	11	S	1	.	0	1	531	.	0.250
H	11	S	2	.	1	0	502	.	0.570
H	11	S	3	.	0	2	493	.	0.620
I	6	O	1	.	1	0	460	.	0.270
I	6	O	1	.	0	1	458	.	0.230
I	6	O	2	.	1	0	427	.	0.280
I	6	O	2	.	0	1	465	.	0.210
I	6	O	3	.	1	0	450	.	0.210
I	6	O	3	.	0	1	467	.	0.000
I	6	S	1	.	1	0	459	.	0.410
I	6	S	1	.	0	1	460	.	0.400
I	6	S	2	.	1	0	430	.	0.420
I	6	S	2	.	0	1	472	.	0.360
I	6	S	3	.	1	0	476	.	0.590
I	6	S	3	.	0	1	473	.	0.890
I	6	T	1	.	1	0	454	.	0.220
I	6	T	1	.	0	1	460	.	0.260
I	6	T	2	.	1	0	430	.	0.250
I	6	T	2	.	0	1	475	.	0.290
I	6	T	3	.	1	0	475	.	0.310
I	6	T	3	.	0	1	474	.	0.450
I	6	W	1	.	1	0	458	.	0.360
I	6	W	1	.	0	1	461	.	0.280
I	6	W	2	.	1	0	429	.	0.300
I	6	W	2	.	0	1	465	.	0.160
I	6	W	3	.	1	0	482	.	0.400
I	6	W	3	.	0	1	278	.	0.730

*Abbreviations found in Table A-7.

Table A-2. Short-term Charcoal Tube Results*

HOSP	STER	SITE	TEST		MIN	DET	PPM
			LOADS	NORMAL LOADS			
B	2	O	1	0	23.1	N	0.052
B	2	O	0	1	19.9	N	0.056
B	2	O	0	1	18.0	Q	0.132
B	2	O	1	0	20.7	N	0.051
B	2	O	0	1	5.3	N	0.199
B	2	O	0	1	17.3	N	0.061
B	2	O	1	0	29.6	Q	0.167
B	2	O	0	1	17.5	N	0.054
B	2	O	0	1	14.5	Q	0.336
B	2	S	1	0	21.6	Q	0.125
B	2	S	0	1	21.7	N	0.055
B	2	S	0	1	13.8	Q	0.463
B	2	S	1	0	20.4	Q	0.076
B	2	S	0	1	0.0	.	0.000
B	2	S	0	1	19.8	Q	0.078
B	2	S	1	0	29.7	Q	0.289
B	2	S	0	1	18.9	N	0.047
B	2	S	0	1	14.0	Q	0.354
C	3	O	1	0	19.0	N	0.199
C	3	O	0	1	12.0	N	0.157
C	3	O	1	0	17.0	N	0.108
C	3	O	0	1	22.0	N	0.172
C	3	O	1	0	32.0	N	0.119
C	3	O	0	1	20.0	N	0.419
C	3	S	1	0	19.0	Q	0.290
C	3	S	0	1	17.0	Q	0.511
C	3	S	1	0	17.0	N	0.208
C	3	S	0	1	27.0	N	0.138
C	3	S	1	0	32.0	N	0.112
C	3	S	0	1	20.0	Q	0.412
D	4	O	0	1	6.0	N	2.960
D	4	O	1	0	14.0	Q	0.610
D	4	O	0	1	15.0	N	1.410
D	4	O	1	0	16.0	N	0.920
D	4	O	0	1	15.0	N	1.330
D	4	O	1	0	15.0	Q	0.390
D	4	S	0	1	15.0	Q	0.600
D	4	S	1	0	14.0	Q	0.440
D	4	S	0	1	15.0	N	1.410
D	4	S	1	0	16.0	Q	1.500
D	4	S	0	1	15.0	N	1.320
D	4	S	1	0	15.0	Q	0.470
E	5	O	1	0	5.2	Q	1.273
E	5	O	0	1	5.9	N	0.460
E	5	O	1	0	4.4	Q	1.796
E	5	O	0	1	3.8	N	0.675

*Abbreviations found in Table A-7.

Table A-2 (continued). Short-term Charcoal Tube Results*

HOSP	STER	SITE	TEST		MIN	DET	PPM
			LOADS	LOADS			
E	5	O	1	0	4.7	.	1.766
E	5	O	0	1	3.1	.	3.562
E	5	S	1	0	0.0	.	0.000
E	5	S	0	1	5.0	.	1.410
E	5	S	1	0	5.3	.	5.418
E	5	S	0	1	4.4	.	1.970
F	8	O	1	0	19.2	.	0.137
F	7	O	1	0	18.0	.	0.411
F	8	O	0	1	1.0	N	1.371
F	7	O	0	1	1.6	.	5.818
F	8	O	1	0	15.1	.	0.099
F	7	O	1	0	7.4	N	0.244
F	8	O	0	1	15.7	.	0.109
F	7	O	0	1	16.4	.	0.309
F	8	O	1	0	16.7	.	0.073
F	7	O	1	0	16.6	.	0.113
F	8	O	0	1	19.0	.	0.509
F	7	O	0	1	17.5	.	0.489
F	8	S	1	0	18.0	.	0.205
F	7	S	1	0	19.2	.	0.539
F	8	S	0	1	18.9	.	0.302
F	7	S	0	1	15.4	.	0.345
F	8	S	1	0	15.4	.	0.171
F	7	S	1	0	17.6	.	0.309
F	8	S	0	1	16.9	.	0.221
F	7	S	0	1	16.8	.	0.364
F	8	S	1	0	17.6	.	0.151
F	7	S	1	0	18.4	.	0.416
F	8	S	0	1	19.4	.	0.191
F	7	S	0	1	15.9	.	0.305
G	9	O	0	1	1.8	.	1.333
G	9	O	1	0	2.9	.	1.350
G	9	O	0	1	2.4	.	2.723
G	9	O	0	1	2.8	.	1.302
G	9	O	0	1	0.0	.	0.000
G	9	O	1	0	3.9	.	1.611
G	9	O	0	1	3.5	.	2.523
G	9	O	0	1	2.1	.	0.466
G	9	O	1	0	2.1	.	3.498
G	9	S	0	1	1.9	.	1.969
G	9	S	1	0	2.7	.	2.477
G	9	S	0	1	6.5	.	1.576
G	9	S	0	1	3.8	.	1.864
G	9	S	0	1	3.2	.	0.839
G	9	S	1	0	4.0	.	2.252
G	9	S	0	1	3.4	.	3.273

*Abbreviations found in Table A-7.

Table A-2 (continued). Short-term Charcoal Tube Results*

HOSP	STER	SITE	TEST		MIN	DET	PPM
			LOADS	NORMAL LOADS			
G	9	S	0	1	2.4	.	1.120
G	9	S	1	0	2.0	.	5.879
H	10	O	0	1	20.0	.	0.539
H	10	O	1	0	20.0	Q	0.249
H	11	O	1	0	21.0	Q	0.148
H	11	O	0	1	23.0	.	0.391
H	11	O	0	1	19.0	Q	0.348
H	11	S	0	1	21.0	.	0.852
H	10	S	0	1	23.0	.	1.628
H	10	S	0	1	20.0	.	5.291
H	10	S	1	0	19.0	.	2.007
H	11	S	1	0	21.0	.	3.223
H	11	S	0	1	23.0	.	7.788
H	11	S	0	1	19.0	.	2.491
I	6	O	1	0	18.0	.	1.502
I	6	O	0	1	17.0	.	1.430
I	6	O	1	0	16.0	.	2.642
I	6	O	0	1	16.0	.	1.723
I	6	O	1	0	16.0	.	0.703
I	6	O	0	1	16.0	.	0.481
I	6	S	1	0	18.0	.	4.559
I	6	S	0	1	27.0	.	3.635
I	6	S	1	0	18.0	.	5.104
I	6	S	0	1	17.0	.	6.267
I	6	S	1	0	16.0	.	4.000
I	6	S	0	1	16.0	.	3.410

*Abbreviations found in Table A-7.

Table A-3. Gas-Bag/GC Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST		MIN	DET	PPM
						LOADS	NORMAL			
A	1	O	1	d	.	0	1	1.08	N	0.20
A	1	O	2	d	.	0	1	0.79	.	0.20
A	1	O	3	d	.	0	1	0.86	N	0.20
A	1	S	1	d	.	0	1	1.84	N	0.20
A	1	S	2	d	.	0	1	0.79	N	0.20
A	1	S	3	d	.	0	1	0.88	N	0.20
C	3	O	1	d	.	1	0	1.32	.	0.60
C	3	O	1	e	.	1	0	0.93	.	0.40
C	3	O	2	d	.	1	0	1.38	.	0.90
C	3	O	2	e	.	0	1	1.18	.	0.20
C	3	O	3	d	.	1	0	0.98	.	0.30
C	3	O	3	e	.	0	1	1.37	.	1.00
C	3	S	1	d	.	1	0	18.60	.	0.30
C	3	S	1	e	.	1	0	17.50	.	0.24
C	3	S	2	d	.	1	0	16.50	N	0.30
C	3	S	2	e	.	0	1	27.00	N	0.20
C	3	S	3	d	.	1	0	31.50	.	0.20
C	3	S	3	e	.	0	1	21.40	N	0.20
D	4	O	1	d	.	0	1	3.40	.	2.20
D	4	O	1	e	.	1	0	2.26	.	1.80
D	4	O	2	d	.	0	1	1.90	.	3.70
D	4	O	2	e	.	1	0	4.00	.	2.30
D	4	O	3	d	.	0	1	2.00	.	0.40
D	4	O	3	e	.	1	0	2.00	.	0.20
D	4	S	1	d	.	0	1	15.00	.	13.30
D	4	S	1	e	.	1	0	14.00	.	5.40
D	4	S	2	d	.	0	1	15.00	.	5.10
D	4	S	2	e	.	1	0	16.00	.	2.20
D	4	S	3	d	.	0	1	15.00	.	4.10
D	4	S	3	e	.	1	0	15.00	.	0.40
E	5	O	1	d	.	1	0	4.00	.	3.50
E	5	O	1	e	.	0	1	2.50	.	2.00
E	5	O	2	d	.	1	0	1.70	.	5.20
E	5	O	2	e	.	0	1	4.30	.	0.60
E	5	O	3	d	.	1	0	2.00	.	5.20
E	5	O	3	e	.	0	1	3.10	.	0.50
E	5	S	1	d	.	1	0	5.60	.	0.00
E	5	S	1	e	.	0	1	5.70	.	4.30
E	5	S	2	d	.	1	0	1.25	.	27.00
E	5	S	2	e	.	0	1	3.70	.	1.70
E	5	S	3	d	.	1	0	5.20	.	4.40
E	5	S	3	e	.	0	1	4.10	.	1.90
F	8	O	1	d	.	1	0	0.48	N	0.10
F	7	O	1	d	.	1	0	0.60	.	9.60
F	8	O	1	e	.	0	1	0.56	.	0.40
F	7	O	1	e	.	0	1	1.09	.	1.50

*Abbreviations found in Table A-7.

Table A-3 (continued). Gas-Bag/GC Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST	NORMAL	MIN	DET	PPM
						LOADS	LOADS			
F	8	O	2	d	.	1	0	0.55	.	0.50
F	7	O	2	d	.	1	0	1.10	.	0.20
F	8	O	2	e	.	0	1	0.38	.	0.80
F	7	O	2	e	.	0	1	1.05	.	1.20
F	8	O	3	d	.	1	0	0.87	.	0.30
F	7	O	3	d	.	1	0	0.46	.	0.30
F	8	O	3	e	.	0	1	0.95	.	5.20
F	7	O	3	e	.	0	1	1.27	.	0.30
F	8	S	1	d	.	1	0	17.00	.	0.30
F	7	S	1	d	.	1	0	19.00	.	0.70
F	8	S	1	e	.	0	1	18.00	.	0.30
F	7	S	1	e	.	0	1	15.00	.	0.20
F	8	S	2	d	.	1	0	16.00	.	0.20
F	7	S	2	d	.	1	0	15.00	.	0.30
F	8	S	2	e	.	0	1	18.00	.	0.20
F	7	S	2	e	.	0	1	16.00	.	0.30
F	8	S	3	d	.	1	0	18.00	N	0.20
F	7	S	3	d	.	1	0	18.00	.	0.40
F	8	S	3	e	.	0	1	18.00	N	0.15
F	7	S	3	e	.	0	1	15.00	.	0.20
G	9	O	1	d	1	0	1	1.69	.	0.20
G	9	O	1	d	2	1	0	2.88	.	0.90
G	9	O	1	e	.	0	1	2.34	.	0.50
G	9	O	2	d	.	0	1	4.00	.	0.90
G	9	O	2	e	1	0	1	2.51	.	0.50
G	9	O	2	e	2	1	0	4.05	.	1.20
G	9	O	3	d	.	0	1	3.12	.	1.00
G	9	O	3	e	1	0	1	3.34	.	0.10
G	9	O	3	e	2	1	0	2.00	.	2.60
G	9	S	1	d	1	0	1	1.88	.	0.10
G	9	S	1	d	2	1	0	2.96	.	0.10
G	9	S	1	e	.	0	1	2.50	.	0.90
G	9	S	2	d	.	0	1	4.00	.	1.40
G	9	S	2	e	1	0	1	2.59	.	0.70
G	9	S	2	e	2	1	0	4.33	.	1.70
G	9	S	3	d	.	0	1	1.98	.	3.80
G	9	S	3	e	1	0	1	2.58	.	0.40
G	9	S	3	e	2	1	0	2.00	.	2.90
H	11	O	1	d	1	0	1	2.15	.	1.30
H	10	O	1	d	2	0	1	2.62	.	0.80
H	10	O	1	d	3	0	1	1.22	.	5.10
H	10	O	2	d	4	1	0	0.92	.	0.58
H	11	O	2	d	5	1	0	0.98	.	0.32
H	11	O	3	d	6	0	1	1.01	.	0.50
H	11	O	3	d	7	0	1	0.95	.	0.78
H	11	S	1	d	1	0	1	21.00	.	0.90

*Abbreviations found in Table A-7.

Table A-3 (continued). Gas-Bag/GC Results*

HOSP	STER	SITE	DAY	SHIFT	ID	TEST		MIN	DET	PPM
						LOADS	NORMAL LOADS			
H	11	S	3	d	6	0	1	21.00	.	3.60
H	11	S	3	d	7	0	1	17.50	.	1.40
I	6	O	1	d	.	1	0	2.14	.	2.40
I	6	O	1	e	.	0	1	1.60	.	2.00
I	6	O	2	d	.	1	0	1.92	.	2.90
I	6	O	2	e	.	0	1	1.20	.	2.50
I	6	O	3	d	.	1	0	1.28	.	3.90
I	6	O	3	e	.	0	1	1.07	.	0.90
I	6	S	1	d	.	1	0	16.00	.	4.80
I	6	S	1	e	.	0	1	27.00	.	4.80
I	6	S	2	d	.	1	0	16.00	.	6.20
I	6	S	2	e	.	0	1	17.00	.	5.50
I	6	S	3	d	.	1	0	16.00	.	7.00
I	6	S	3	e	.	0	1	16.00	.	2.80

*Abbreviations found in Table A-7.

Table A-4. Chamber Concentration Results*

HOSP	STER	DAY	SHIFT	ID	DC_PPM	DO_PPM
A	1	1	d	.	0	8
A	1	2	d	.	0	11
A	1	3	d	.	0	5
C	3	1	d	.	650	150
C	3	1	e	.	675	90
C	3	2	d	.	290	105
C	3	2	e	.	550	70
C	3	3	d	.	550	65
C	3	3	e	.	620	40
D	4	1	d	.	0	175
D	4	1	e	.	0	540
D	4	2	d	.	0	140
D	4	2	e	.	0	370
D	4	3	d	.	0	155
D	4	3	e	.	0	95
E	5	1	d	.	0	3200
E	5	1	e	.	0	3200
E	5	2	d	.	0	4200
E	5	2	e	.	0	2750
E	5	3	d	.	0	2800
E	5	3	e	.	0	1600
F	7	1	e	.	1440	4
F	8	1	e	.	600	9
F	7	2	d	.	70	6
F	8	2	d	.	300	8
F	7	2	e	.	82	46
F	8	2	e	.	1180	26
F	7	3	d	.	520	22
F	8	3	d	.	660	4
F	7	3	e	.	108	45
F	8	3	e	.	284	72
G	9	1	d	1	0	72
G	9	1	d	2	0	790
G	9	1	e	.	0	820
G	9	2	d	.	0	610
G	9	2	e	1	0	410
G	9	2	e	2	0	400
G	9	3	d	.	0	1240
G	9	3	e	1	0	320
G	9	3	e	2	0	510
H	11	1	d	1	2250	55
H	10	1	d	2	3100	140
H	10	1	d	3	2250	150
H	10	2	d	4	2640	132
H	11	2	d	5	3250	32
H	11	3	d	6	2900	40
H	11	3	d	7	1730	89
I	6	2	e	.	1700	140
I	6	3	d	.	2000	700
I	6	3	e	.	1500	25

*Abbreviations found in Table A-7.

Table A-5. Results* of nonroutine gas bag samples

Hospital	Description of Sample	ppm (#)**
A	Inside sterilizer chamber	12. (3)
	Drain/Mechanical Access Room during first part of purge period	46. (4)
	Drain elsewhere in building	<0.2 (1)
	Inside air handler intake plenum	0.22 (3)
	Personal sample during cylinder change operation	0.1 (1)
	Area sample during cylinder change operation	0.1 (1)
B	Drain/Mechanical Access Room during first part of purge period	9.3 (3)
	In front of sterilizer, not during purge or LT	0.6 (1)
	Drain/Mechanical Access Room, not during purge	0.22 (2)
	Drain elsewhere in building	1. (1)
	Above load after aeration	0.7 (1)
	Area sample during cylinder change operation	100. (1)
	In front of sterilizer during purge	0.14 (2)
	Operator's BZ during the load transfer (LT)	1.4 (3)
Area location in front of sterilizer during LT	2.3 (3)	
C	Mechanical Access room during purge, drain <u>not</u> sealed	5000. (1)
	Drain/Mechanical Access Room during first part of purge period	28. (5)
	Operator arranging loads in aerator	0.3 (1)
	Inside aerator chamber	1.8 (1)
	Above load after sterilization	57. (2)
	Drain elsewhere in building	<0.2 (1)
	Operator opening biological indicator pack	0.2 (1)
D	Operator cleaning sterilizer chamber	0.27 (3)
	Inside aerator chamber	0.59 (5)
	Drain/Mechanical Access Room, not during purge	0.13 (5)
	Overpressure Relief Valve during sterilization	1.5 (1)
	Drain/Mechanical Access Room during first part of purge period	3.3 (5)
	Inside Sterilizer Chamber	0.56 (3)
	Above load after aeration	0.32 (2)
	Drain/Mechanical Access Room during last part of purge period	2.4 (1)
E	Drain/Mechanical Access Room during first part of purge period	45. (11)
	Drain/Mechanical Access Room during last part of purge period	2.9 (12)
	Inside Sterilizer Chamber	19. (4)

(continued)

Table A-5 (continued)

Hospital	Description of Sample	ppm (#)**
F	Inside Sterilizer Chamber	0.3 (1)
G	Drain/Mechanical Access Room during first part of purge period	2.3 (8)
	Decontamination room during purge	0.62 (6)
	Inside Sterilizer Chamber	214. (2)
	Inside aerator chamber	2.1 (1)
	Drain elsewhere in building	0.30 (2)
	Near the floor in front of the ster' during LT	0.65 (2)
	Operator inserting load in sterilizer	0.55 (1)
	In front of sterilizer, not during purge or LT	2.7 (1)
H	Worker performing maintenance	3.5 (1)
	Drain/Mechanical Access Room during first part of purge period	0.91 (3)
	Area outside the sterilizer room approximately 20 minutes after load transfer	2.2 (1)
I	In front of sterilizer, not during purge or LT	0.30 (3)
	Drain/Mechanical Access Room during last part of purge period	4.4 (6)
	Inside Sterilizer Chamber	10. (3)
	Operator arranging loads in aerator	0.5 (1)
	Inside aerator chamber	1.0 (2)
	Drain/Mechanical Access Room during first part of purge period	61. (2)
	In front of sterilizer during maintenance	13. (2)

* Geometric mean if more than one sample

** The number of samples is in parentheses

Table A-6. Infrared analyzer results*

HOSP	STER	DAY	SHIFT	ID	PPM-MIN	MIN	AVG PPM
A	1	1	d	.	3.4	6.4	0.5
A	1	2	d	.	3.4	8.0	0.4
A	1	3	d	.	6.0	11.7	0.5
B	2	1	d	.	5.4	3.8	1.4
B	2	1	e	1	5.8	3.8	1.6
B	2	1	e	2	10.7	5.4	2.0
B	2	2	d	.	3.9	2.1	1.8
B	2	2	e	.	9.2	4.3	2.2
B	2	2	e	.	4.4	4.3	1.0
B	2	3	d	.	15.6	4.3	3.6
B	2	3	e	.	12.2	3.8	3.2
B	2	3	e	.	5.8	3.4	1.1
C	3	1	d	.	6.5	8.7	0.8
C	3	1	e	.	5.5	3.8	1.4
C	3	2	d	.	2.4	2.7	0.9
C	3	2	e	.	0.7	1.6	0.5
C	3	3	d	.	3.1	4.9	0.6
C	3	3	e	.	1.0	2.5	0.4
D	4	1	d	.	4.3	3.8	1.1
D	4	1	e	.	2.3	4.4	0.5
D	4	2	d	.	2.0	7.6	0.3
D	4	3	d	.	2.3	0.8	0.4
D	4	3	e	.	3.4		
E	5	1	d	.	23.8	9.6	2.5
E	5	1	e	.	16.7	16.2	1.5
E	5	3	d	.	35.2	11.7	3.0
G	9	1	d	1	12.4	8.6	1.4
G	9	1	d	2	8.2	10.7	0.8
G	9	2	d	.	11.3	6.4	1.8
G	9	2	e	1	5.1	8.0	0.4
G	9	2	e	2	10.7	6.4	1.7
G	9	3	d	.	16.0	5.4	3.0
G	9	3	e	1	16.3	5.4	3.0
G	9	3	e	2	7.1	7.0	1.0
I	6	1	d	.	91.0	33.0	2.8
I	6	1	e	.	84.5	43.7	2.0
I	6	2	d	.	97.0	35.0	2.8
I	6	2	e	.	101.0	29.0	3.5
I	6	3	d	.	60.0	27.0	2.2
I	6	3	e	.	57.0	22.0	2.6

*Abbreviations found in Table A-7.

Table A-7. Abbreviations used in Appendix A

HOSP	- hospital (see Table 2)
STER	- sterilizer (see Table 2)
SITE	- location of a sample O - on sterilizer operator S - in front of sterilizer T - on work table in sterilizer area W - on a worker, other than operator, in sterilizer area
DAY	- day of sampling during survey
SHIFT	- shift sampled d - day e - evening
ID	- an additional identifier needed for certain surveys
MIN	- duration of sample in minutes
DET	- relation of sample results with respect to analytical detection limits . - the reported value is considered "known" Q - the reported value is below the limit of quantitation N - The tabulated value is computed from the analytical detection limit; the actual value is probably less than this value
DC_PPM	- the concentration in the chamber just after the door was first cracked open
DO_PPM	- the concentration in the chamber just before the door was fully opened
BZ	- breathing zone
LT	- load transfer
