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TECOM Project No. 7-CO-RD7-DPI-001

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DPG-77-311

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6 BASIC SMOKE CHARACTERIZATION TEST.

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77 - Jan 78.

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U.S. ARMY DUGWAY PROVING GROUND  
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A total of nine different smoke submunitions were characterized to obtain the following five source parameters: (1) submunition yield fraction, (2) burn rate coefficients, (3) source cloud geometry, (4) particle size distribution, and (5) concentration of smoke at a given distance from the source. These submunitions include HC canisters, WP wicks and wedges and RP wedges. ←		

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## SUMMARY OF RESULTS

A total of nine different smoke submunitions were characterized to obtain the following five source parameters: (1) submunition yield fraction (MYF); (2) burn rate coefficients (A, B, C, D); (3) source cloud geometry ( $X_R$ ,  $\sigma_{ys}$ ,  $\sigma_{zs}$ ); (4) particle size distribution ( $f_i$ ); and (5) concentration (C) of the smoke at a given distance from the source. These parameters are summarized in Tables I and II. Detailed results are given in Tables III, IV and Appendix B.

### DEFINITIONS AND REFERENCES FOR PARAMETERS APPEARING IN TABLES I, II AND IV:

- $M_0$ : Total Mass of Submunition
- $\Delta M$ : Mass loss at end of burn of the submunition
- $M_x$ : Mass of agent (zinc or phosphorus) aerosolized by the submunitions as determined by Chemical Impinger dosages (Section 2.1.4, Page 6)
- MYF: Munition Yield Fraction (Section 2.1.4, Page 7)
- $t_b$ : time of burn
- NMD: Number Median Diameter (Section 2.2.4.1.c, Page 16)
- $X_R$ ,  $\sigma_{ys}$ :  $X_R$  is reference distance downwind from the source where standard deviation  $\sigma_{ys}$  is determined. (Section 2.3.2, Page 23)

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Table I. Submunition Summary of Source Parameters

	Agent (x)	M <sub>0</sub> (g)	ΔM (g)	ΔM / M <sub>0</sub>	M <sub>x</sub> (g)	MYF M <sub>x</sub> /M <sub>0</sub>	τ <sub>b</sub> (min)	BURN COEFFICIENT			X <sub>R</sub> (m)	σ <sub>ys</sub> (m)	C* (g/m <sup>3</sup> )	
								(A)	(B)	(C)				(D)
155mm HC M1 Canister	Zn	3455	2191	0.63	404	0.12	2.3	.537	.238	1.593	-1.368	1.0	.35	1.8
155mm HC M2 Canister	Zn	1989	1149	0.58	380	0.19	1.3	.643	-.254	2.291	-1.662	1.0	.29	4.2
105mm HC Canister	Zn	1178	633	0.53	194	0.16	2.0	.230	2.159	-.679	-.748	1.0	.17	3.9
Six Inch WP Wick	P	106	64	0.60	71	0.67	6.5	1.808	-1.278	.961	-.502	1.0	.12	.91
Three Inch WP Wick	P	63	41	0.68	45	0.71	7.8	1.631	.339	-1.969	1.003	1.0	.17	.24
2.75 in. Rocket WP Wedge	P	210	125	0.60	140	0.66	4.3	.521	1.053	-.370	-.187	1.0	.12	2.7
81mm Navy RP Wedge	P	58	35	0.60	31	0.53	4.3	.653	-1.568	5.103	-3.218	1.0	.12	.57
155mm Navy RP Wedge	P	39	25	0.64	25	0.64	3.6	1.047	-4.821	10.640	-5.873	1.0	.12	.58
81mm German RP Wedge	P	11	5	0.45	6	0.55	6.4	1.731	-1.426	1.447	-.777	1.0	.12	.65

\* C\* = Average concentration of agent (x) one meter from the source and normalized at a wind speed (U) of one meter per second

$$\bar{C} = \frac{M_0 \text{MYF}}{60\pi(2.1\sigma_{ys})^2 \tau_b U}$$

For definitions, see Section 2.1.4, page 6.

Table II. Particle Size Fraction ( $f_i$ ) Summary

Type of Submunition	Trial No.	Particle Size Range ( $\mu\text{m}$ )						NMD
		.3-.4	.4-.6	.6-.8	.8-1.0	1.0-1.5	1.5-3.0	
155mm M1 HC Canister	B1R1	.10	.16	.14	.19	.22	.19	.88
	B2R1	.19	.16	.11	.16	.17	.21	.79
155mm M2 HC Canister	B3R1	.15	.17	.11	.16	.13	.28	.86
	B4R1	.21	.18	.13	.25	.23	.00	.68
105mm HC Canister	B15	.32	.19	.13	.20	.17	.00	.58
	B16	.32	.24	.13	.20	.10	.00	.54
2.75 in. Rocket WP Wedge	B9	.29	.18	.11	.19	.18	.05	.62
	B10	.32	.16	.11	.19	.20	.02	.60
Six Inch WP Wick	B7	.24	.20	.13	.24	.20	.00	.64
	B8	.22	.20	.14	.26	.18	.00	.64
Three Inch WP Wick	B6	.23	.15	.09	.14	.11	.28	.79
	B5R1	.42	.21	.11	.16	.10	.00	.48
155mm Navy RP Wedge	B13	.15	.11	.07	.11	.08	.47	1.05
	B14	.36	.20	.12	.18	.14	.00	.54
81mm Navy RP Wedge	B11	.30	.20	.13	.21	.15	.01	.58
	B12	.39	.20	.11	.15	.10	.06	.51
81mm German RP Wedge	B18	.51	.25	.12	.11	.02	.00	.41
	B17R1	.41	.25	.13	.16	.05	.00	.47

## FOREWARD

At the direction of US Army TECOM, Dugway Proving Ground was responsible for the test planning, test execution and test reporting. US Army Materiel Systems Analysis Activity provided the requirements and the funding for this test program.

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## SECTION 1. INTRODUCTION

### 1.1 BACKGROUND

The current inventory of smoke munitions includes both single and multiple source systems. Some developmental munitions (e.g., XM325) contain as many as 92 subsystems. In general when a munition/submunition system is involved, the model concept is to utilize parameters defined for the submunition and build up to the full munition. Proper modeling requires knowledge of certain input parameters such as submunition yield fraction, burn rate and source cloud geometry. In the past, assumptions (or engineering judgments) have been made for these parameters when comparing field data to model values. The lack of measured values for initial source parameters was discussed in reference 1, a meeting at Dugway Proving Ground (DPG) on 16 March 1977, that included representatives from the Program Manager (PM) Smoke, Army Materiel Systems Analysis Activity (AMSAA), Atmospheric Sciences Laboratory (ASL) and DPG. At the request of AMSAA, US Army Test and Evaluation Command (TECOM) issued a test directive (reference 2) on 19 April 1977 (and amended 10 May 1977) to DPG for the execution of a testing program that would satisfy the requirement of defining the initial source parameters for specific munitions and basic smoke characterization.

### 1.2 DESCRIPTION OF MATERIEL

a. This test characterized the individual submunitions for the 155mm (M116) projectile, the 105mm (M84) projectile, the 2.75 inch rocket and the 81mm mortar. The specific submunitions used in this test are:

#### (1) Wicks:

Wicks were developed for use in the 155mm projectile and the 2.75 inch rocket. They are cotton fabric soaked in white phosphorus (WP) and were obtained from Chemical Systems Laboratory (CSL). The wicks are described in Figure 1. (See Appendix B, page B-260, B-261.)

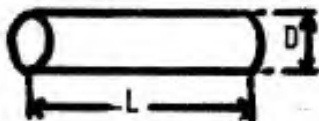


Figure 1. Sketch of WP Wick

Where

L (in)	D (in)	Avg Wt (g)
3.5	1.0	63
6.0	1.0	106

(2) Wedge:

Wedges are used in the 155mm projectile, the 81mm mortar and the 2.75 inch rocket. Navy red phosphorus (RP) wedges are used in the 155mm projectile and the 81mm mortar and were obtained from Navy Weapons Support Center, Crane, Indiana. The wedges used in the 2.75 inch rocket are filled with fiberglass and WP and were obtained from CSL. German RP wedges were used in the 81mm mortar and were obtained from CSL. The wedges are described in Figure 2. (See Appendix B, pages B-258, B-261, B-262, B-263.)

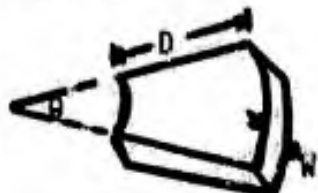


Figure 2. Sketch of Wedge

Where

Type of Submunition	$\theta$ (deg)	D (in)	W (in)	Avg Wt (g)
155mm Navy (RP)	60	2.0	0.5	39
81mm Navy (RP)	90	1.25	1.5	58
81mm German (RP)	45	1.125	0.5	11
2.75 in Rocket (WP)	72	1.0	7.0	210

(3) Canister:

The canister submunitions were the standard M1 and M2 HC canister from the M116, 155mm projectile and M84, 105mm projectile. DPG disassembled these projectiles to obtain the necessary canisters. They are described in Figure 3. (See Appendix B, Pages B-255, B-256, B-257.)

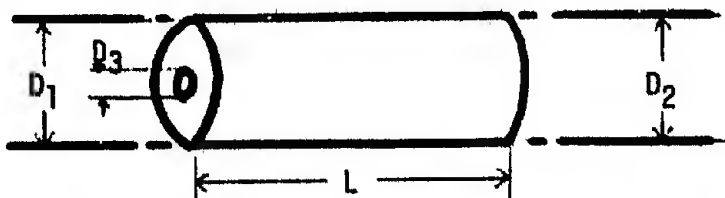


Figure 3. Sketch of HC Canister

Where

Type of Submunition	L (in)	D <sub>1</sub> (in)	D <sub>2</sub> (in)	D <sub>3</sub> (in)	Avg Wt (kg)
155mm M1 (HC)	4.785	4.515	4.515	.681	3.5
155mm M2 (HC)	3.81	3.250	4.250	.681	2.0
105mm (HC)	3.677	2.975	2.975	.495	1.2

### 1.3 TEST OBJECTIVES

The objectives of this test were to:

- a. Obtain smoke characteristics of single source items.
- b. Obtain basic data to allow AMSAA to validate the Joint Technical Committee Group/Munition Efficiency (JTCCG/ME) smoke obscuration model.
- c. Obtain basic data to allow AMSAA to correlate data obtained in a field environment with data obtained in laboratory chamber tests.

### 1.4 SCOPE

- a. The basic smoke characterization test was conducted at Dugway Proving Ground during December 1977 and January 1978. Dugway was responsible for the test plan, test conduct and the final report.
- b. A total of nine types of submunitions (See description of materiel, paragraph 1.2.) were characterized during this test. Munition characterization included a munition yield fraction/burn rate subtest and a munition cloud characterization subtest. Two replications of each submunition were made for both subtests for a total of 36 trials.

## SECTION 2. DETAILS OF TEST

### 2.1 MUNITION YIELD FRACTION/BURN RATE SUBTEST

#### 2.1.1 Objective

To determine the submunition yield fraction defined as the ratio of the amount of phosphorus or zinc recovered to the mass of the submunition, and submunition burn rate.

#### 2.1.2 Criteria

None.

#### 2.1.3 Data Acquisition Procedures

2.1.3.1 Test location. This subtest was conducted utilizing the Dugway wind tunnel located approximately 6 miles south of Ditto Technical Center. A detailed description and calibration procedures for this wind tunnel are presented in reference 3.

2.1.3.2 Sampling. As shown in Figure 4 the test section of the wind tunnel is 6 feet high and 5 feet wide. The sampling array (Figure 4) consisted of 30 chemical impingers operating at a rate of 6 liters per minute. The samplers were positioned such that each sampler represented an area of 1 square foot of the total cross-sectional area of wind tunnel. The samplers were numbered from left to right (1 through 30) and identification was by trial number and sampler position.

2.1.3.3 Operations. Each submunition trial was conducted as follows:

a. Prior to the ignition of a submunition, the sampling array was set up and the fan turned on to adjust the wind speed. The tunnel was operated at a wind speed of 2.0m/sec. Before and between trials, ambient temperature, relative humidity (RH) and barometric pressures were recorded. All submunitions were preweighed and labeled prior to the trials.

b. Each submunition was placed on a load cell located on the center line of the tunnel and 1 foot downwind from the turbulence grid (See Figure 4.). Test personnel left the tunnel interior and ignited the submunitions remotely on command.

c. On command from the Test Officer, the submunitions were ignited. The firing method depended on the agent or smoke mix type. The WP and RP submunitions, were ignited with a flame lighter and for the HC canisters, a one-foot safety fuze, a fuze igniter and a small amount of black powder inside the smoke canister were used to initiate burning. Sampling was initiated on the command to fire and the ignition time for the submunition noted.

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Sampling Grid

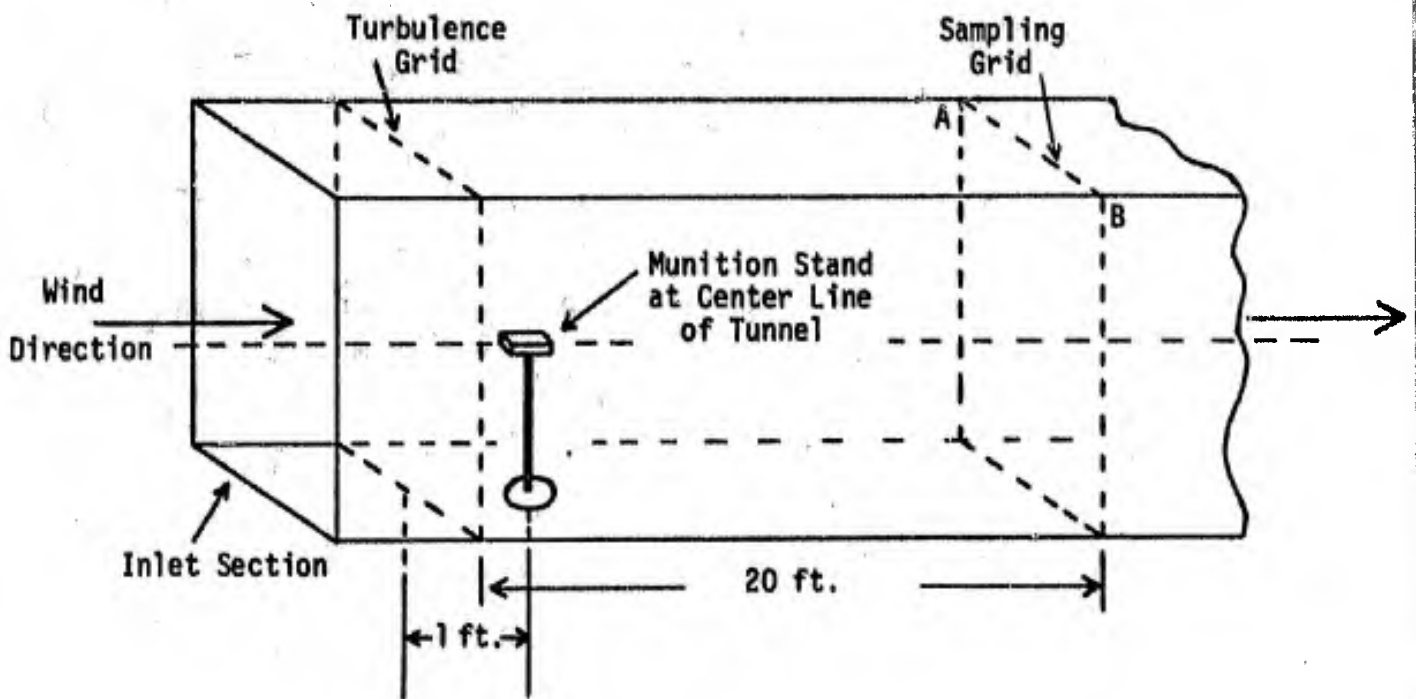
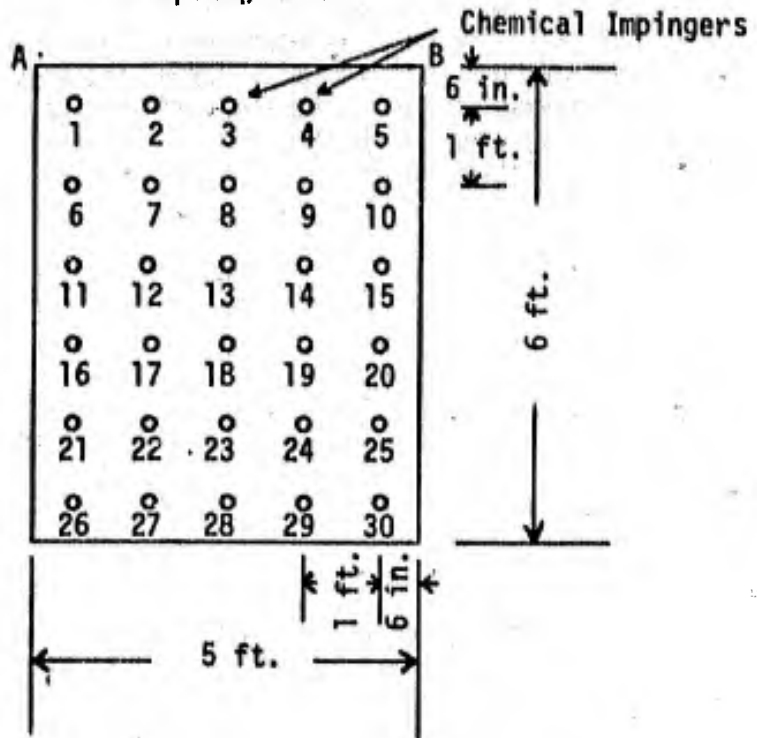


Figure 4. Diagram of Wind Tunnel

d. The load cell was used to record the change in mass as a function of time. The burning submunitions were observed visually to determine when burning was complete. Approximately 30 seconds after the munition ceased to burn, sampling was terminated and appropriate data recorded. Residual materials and/or containers were removed from the wind tunnel and disposed of in accordance with the explosive ordnance disposal (EOD) procedures and the safety annex for this test plan.

e. Samplers were removed and transported to the laboratories. New CI samplers were installed in the tunnel in preparation for the next trial.

2.1.3.4 Laboratory. The Life Sciences Laboratory prepared CI samplers prior to the wind tunnel tests. Samplers were analyzed in accordance with DPG SOP (DPG-MT-L-2) for the analysis of phosphorus and zinc. Samplers not analyzed on the day of the trial were refrigerated until analyzed.

2.1.3.5 Calibration. All instrumentation used for data acquisition, repair and maintenance was calibrated prior to use. Also, instrumentation used for data acquisition, not certified by DPG calibration facility was verified as to its functional capability with current certified instrumentation.

#### 2.1.4 Analytical Procedures

The following discussion concerns data reduction procedures used in trials conducted in the wind tunnel. References 10 and 11 discuss the properties of the wind tunnel. The sampling positions referred to below are the 30 CI samplers in the sampling array referenced to Figure 4. The mass rate of flow at the  $i$ -th sampling position is given by

$$\dot{m}_i(t) = C_i(t)U\Delta A_i \quad (1)$$

where  $\dot{m}_i(t)$  = rate at which smoke (g of P or Zn/min) passes through the area  $\Delta A$  in the  $i$ -th sampling position at time  $t$ ,

$C_i(t)$  = concentration (g of P or Zn/m<sup>3</sup>) at  $i$ -th sampling position at time  $t$

$U$  = tunnel wind speed (m/min)

$\Delta A_i$  = area associated with each CI ( $\Delta A_i = 0.0929 \text{ m}^2$ )

From (1), the total mass,  $m_i$  (g), that passes through the  $i$ -th sampling position is

$$m_i = U\Delta A_i \int C_i(t)dt. \quad (2)$$

Dosage is defined by

$$D_i = \int C_i(t) dt, \quad (3)$$

where  $D_i$  is measured using chemical impingers (CI).

With this definition, (2) becomes

$$m_i = U \Delta A_i D_i. \quad (4)$$

Then, the total mass,  $M_x$  (g), that passes the entire sampling grid is

$$M_x = \sum_{i=1}^{30} m_i. \quad (5)$$

Munition yield fraction, MYF, then becomes

$$MYF = M_x / M_0 \quad (6)$$

where  $M_0$  = total mass of submunition (g)

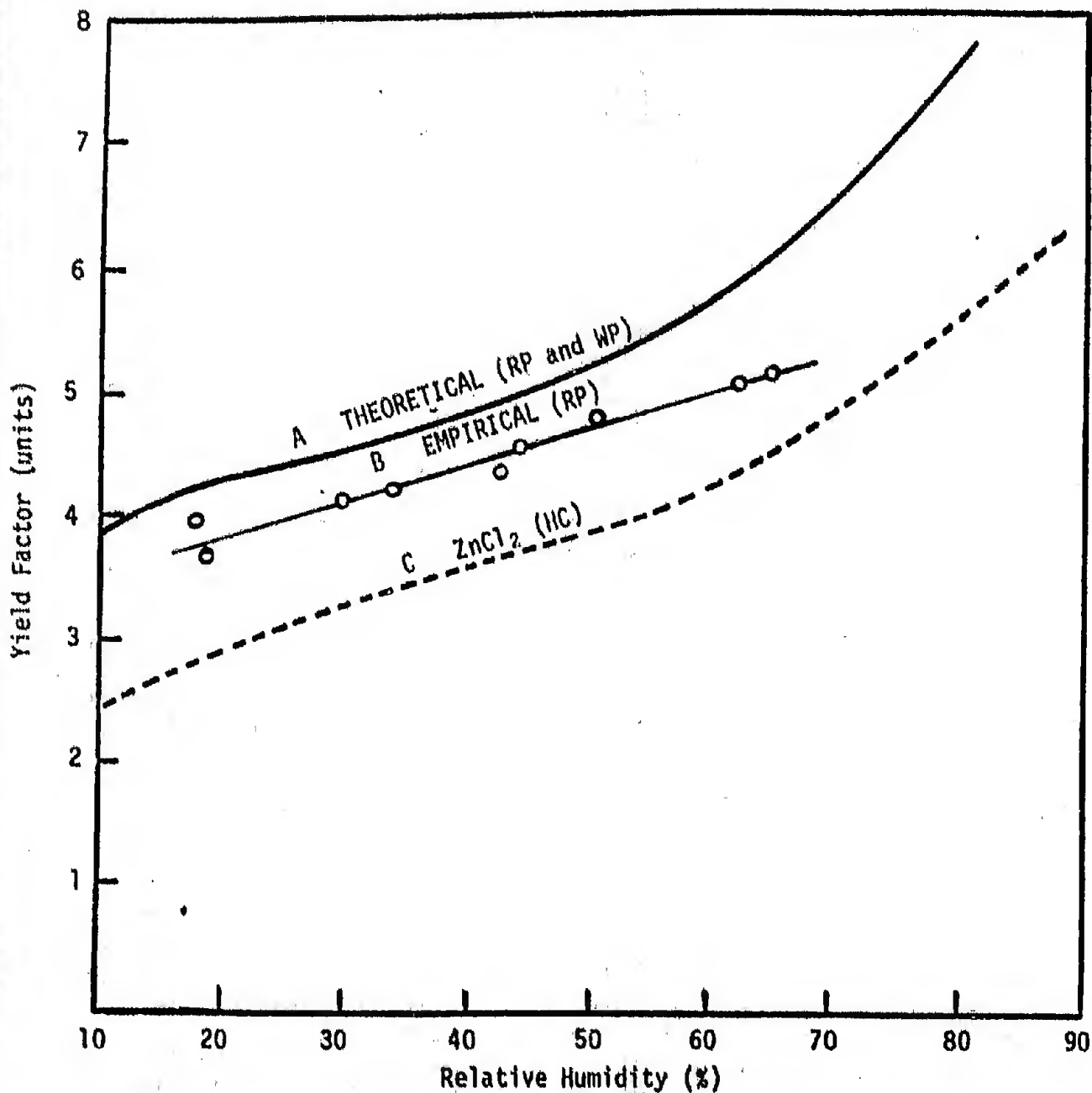
Thus MYF is obtained for each trial. There were two trials for each submunition.

The munition yield fraction (MYF) defined by equation (6) above will be used in the following equation to obtain the total amount of smoke ( $M_T$ ) generated by the munition:

$$M_T = M_0 \cdot MYF \cdot YF \quad (7)$$

In this equation, the factor YF permits conversion of the mass of initial material (expressed as phosphorus or zinc) to mass of hydrated phosphoric oxide or hydrated zinc chloride. Values of YF for phosphorus and zinc can be found in Figure 5 (Curves A and C). In the case of phosphorus, a qualifying statement is necessary. The yield factors (YF) indicated in Curve A are theoretical and are based on the assumption that burning and hydration of phosphorus produces solely orthophosphoric acid within seconds of generation of the cloud. This is not necessarily true.

A limited study (Reference 12), for estimation of yield factors for the range of RH values relevant to field tests conducted at DPG (during the latter part of 1977) yielded the data shown in Curve B of Figure 5. Each point represents from two to six separate experiments with pure red phosphorus and 20 second cloud age. A straight line fitted the data quite well (correlation coefficient of 0.97).



- Curve A: Yield factors for the conversion of P to hydrated  $H_3PO_4$  (ref. 8).  
 Curve B: Yield factors empirically determined for RP.  
 Curve C: Yield factors for the conversion of Zn to hydrated  $ZnCl_2$  (ref. 5).

Figure 5. Yield Factors as a Function of Relative Humidity for Various Smoke Producing Agents.

The theoretical curve (A) is based on various aqueous solutions of ortho-phosphoric acid. For relative humidity (RH) of 18%, the empirical yield factor is lower by 11%; by about 7% at 40% RH; and by approximately 12% at 64% RH. The conclusion may be reached that dosages computed for this report may be somewhat overestimated.

The burn rate,  $\dot{M}_x$  (aerosol) will be defined as the amount of aerosol (P or Zn) generated per second at any given time, by the submunition. The net mass,  $M_b(t)$  burned is given by

$$M_b(t) = M_0 - M_s(t) = \int_0^t \dot{M}_b(t) dt \quad (8)$$

where  $M_0$  = total mass of the submunition before burn, g

$M_s(t)$  = mass of the submunition at a given time t, g

The amount of aerosol  $M_x(t)$  in the air at any given time is given by

$$M_x(t) = \int_0^t \dot{M}_x(t) dt \quad (9)$$

Equation (9) can be rewritten as

$$M_x(t) = \int_0^t \frac{\dot{M}_x(t)}{\dot{M}_b(t)} \dot{M}_b(t) dt \quad (10)$$

Let the ratio  $\dot{M}_x(t)/\dot{M}_b(t)$  be constant so that equation (10) becomes

$$M_x(t) = K \int_0^t \dot{M}_b(t) dt = K \{M_0 - M_s(t)\} \quad (11)$$

At burnout time ( $t = t_b$ ) the constant K can be determined using equation (11) in the form

$$K = \frac{M_x(t_b)}{M_0 - M_s(t_b)} \quad (12)$$

or

$$K = \left( \frac{M_x(t_b)}{M_o} \right) \left( \frac{M_o}{M_o - M_s(t_b)} \right) \quad (13)$$

Using equation (6) and (13) equation 11 becomes

$$M_x(t) = MYF \cdot M_o \frac{M_o - M_s(t)}{M_o - M_s(t_b)} \quad (14)$$

It was observed that the following form of equation (14) could be used to predict  $M_x(t)$ :

$$M_x(t) = M_o MYF \left( A(t/t_b) + B(t/t_b)^2 + C(t/t_b)^3 + D(t/t_b)^4 \right) \quad (15)$$

where the coefficients A, B, C and D were determined between the limits

$$.02 < \frac{M_o - M_s(t)}{M_o - M_s(t_b)} < .98 \quad (16)$$

The burn rate  $\dot{M}_x(t)$  can be obtained by determining the slope of equation (15).

It should be noted here that the amount of hydrated smoke can be determined using the equation

$$M_{SMK}(t) = M_x(t) \cdot YF \quad (17)$$

where  $YF = \frac{\text{Total mass of hydrated smoke}}{M_x(\text{aerosol})}$

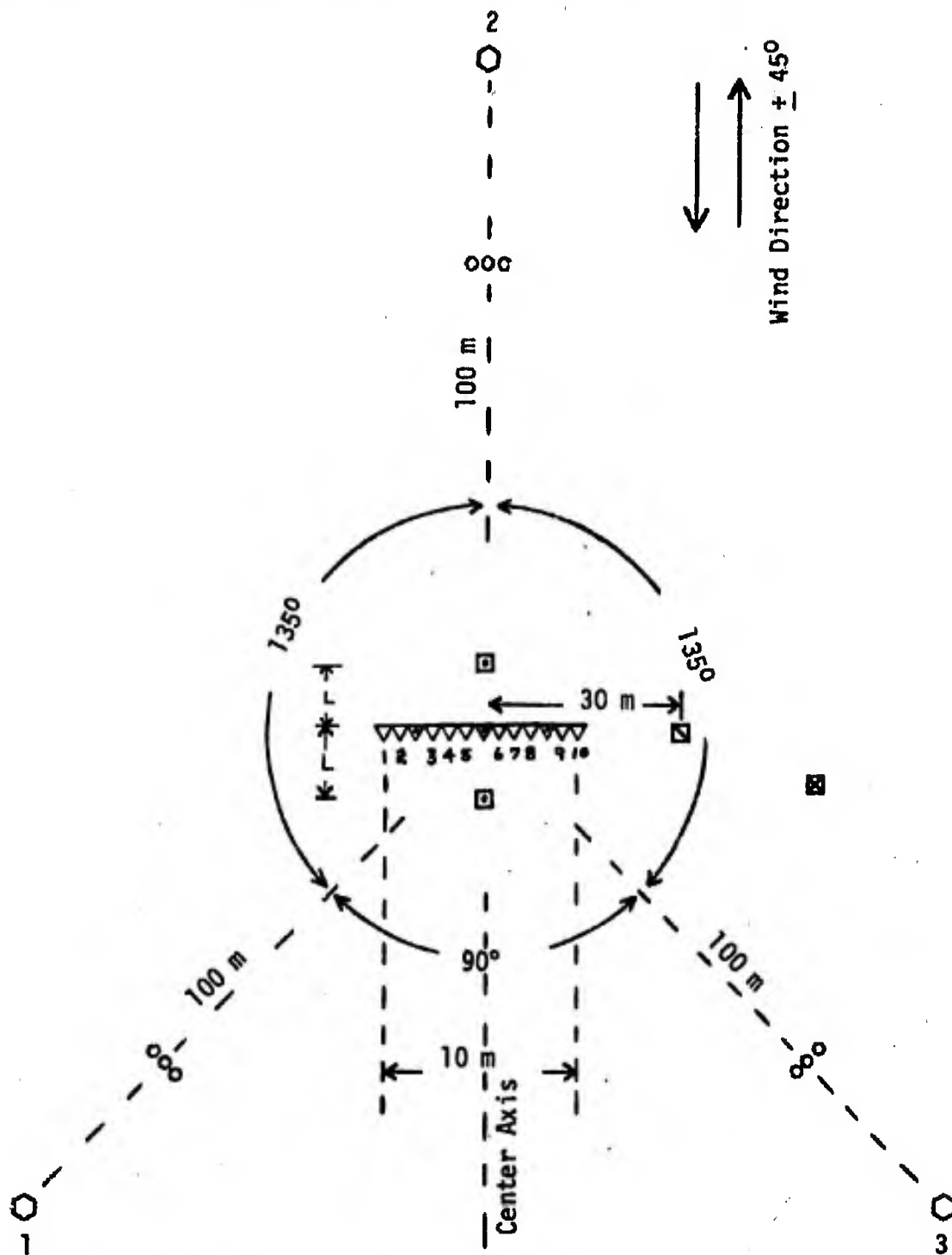
## 2.2 MUNITION CLOUD CHARACTERIZATION SUBTEST

### 2.2.1 Objective

To determine the initial cloud geometry, hydrated smoke concentration and particle size distribution for each submunition.

### 2.2.2 Criteria

None.



- Camera Positions
- Stadia Markers
- Submunition Position
- ▼ Particle Size Analyzer
- ▽ Aerosol Photometer + 2 CIs at each location
- Recorders
- ⊠ 2-Meter Mast
- L Sampling Distance (L varies with submunition)

Figure 6. Grid for Munition Cloud Characterization

### 2.2.3 Data Acquisition Procedures

2.2.3.1 Test location. This test was conducted at the Horizontal Grid located approximately ten miles west of Ditto Technical Center, Dugway Proving Ground, Utah.

#### 2.2.3.2 Meteorological limitations.

a. There were no meteorological limitations for ambient temperature and relative humidity.

b. Precipitation: None allowed.

c. Wind speed: Although wind speeds between 1 and 3 meters per second measured at the 2-meter level were preferred in planning for this test, a small number of trials were run at wind speeds in excess of 3 meters per second where the Project Officer determined testing conditions were good.

d. Wind direction:  $90^\circ \pm 45^\circ$  to sampling line.

e. Visibility: Sufficient for photographic coverage.

2.2.3.3 Grid Configuration. The test grid configuration consisted of three camera positions, two submunition positions, and sampling positions as indicated in Figure 6. The camera positions were 100 meters from the center sampling position and at 90, 135 and 135 degree angles (See Figure 6). The positions for the submunitions varied in distance upwind of the sampling positions depending on the size of the submunition or expected cloud mass. These distances are tabulated in Table III. The submunition position was also moved parallel to the sampling line to take advantage of specific wind conditions. Data from the 2-meter meteorological station was used to determine the position where the source should be located. The location (x, y, z coordinates) of positions used for each trial was recorded. The 45 degree line (perpendicular to the sampling line) between camera positions 1 and 3 and the center sampling position was the reference for determining the x, y coordinates. The cameras were 1.5 meters above the ground.

#### 2.2.3.4 Sampling.

a. Aerosol sampling was accomplished using 10 aerosol photometers (AP), 3 particle size analyzers (PSA), and 20 CIs. The samplers were arranged along a single line (See Figure 6). A PSA was placed along the center axis of the grid and an AP was placed at 1 meter intervals along the sampling line. The APs were numbered 1 through 10. Two CIs were placed at the 0.5 meter mark between each AP. Sampling of the aerosol cloud was accomplished 1.22 meters above the ground (See Table III).

b. The AP monitored the smoke concentration versus time. Smoke concentrations were recorded on magnetic tape using recorders and appropriate encoders.

c. CI samplers were placed between the APs to monitor the total dose of smoke during the sampling period. The CIs were operated at 6 liters per minute and were numbered 1 through 20.

d. The three PSAs with diluter were positioned at the center sampling position, and adjacent to AP positions 3 and 8. Output of the PSAs was recorded on magnetic tape for the six micrometer ranges (.3-.4, .4-.6, .6-.8, .8-1.0, 1.0-1.5 and 1.5-3.0).

e. The APs and PSAs were initiated at least 10 minutes (Z - 10 minutes) prior to firing each submunition (Z time). Sampling with the CIs was initiated at least 15 seconds (Z - 15) before firing the submunitions. All sampling was terminated 1 minute after the munition had ceased to burn.

f. The load cell was in a 1-foot stand with transducers and wiring extending to the recorders. The stand for the load cell was placed so that the submunition rested above ground level (See Table III).

g. Control CIs were used for field and laboratory quality control.

#### 2.2.3.5 Operation.

a. The submunition position and camera positions were chosen for the Horizontal Grid and the stadia marker positions surveyed as indicated in Figure 6. Submunitions to be used were preweighed and placed in appropriate containers. All instrumentation was operated and checked prior to each day's operation. Before each trial meteorological data were used to determine the position for the submunition and test stand.

b. At Z - 10 minutes, the APs and PSAs were initiated and the CI samplers placed in position. Test personnel placed the submunitions on the test stand at Z - 2 minutes. The path to the test stand was hard surface to reduce dust buildup. The platform for the submunitions was atop a load cell. The load cell was used to monitor the change in mass as a function of time. Data were recorded on magnetic tapes and used as backup for the wind tunnel trials.

c. The CIs were turned on at Z - 15 seconds and the munition ignited on command of the test officer to fire. Firing procedures for the submunition were described in paragraph 2.1.3.3.c. and d. above. The test personnel igniting the RP and canisters moved from the area when ignition was observed.

d. Sampling, photographic and meteorological data were recorded during each trial. The burning submunition was observed visually to determine when burning was complete. Approximately 1 minute after the munition had ceased to burn, all sampling was terminated.

#### 2.2.3.6 Photographic.

a. Three motion picture cameras (35mm) were used to record the height, width and geometric characteristics of the aerosol cloud from the submunitions. The picture recordings were used to determine  $\alpha$ s at distance  $X_p$  shown in Tables I and IV. The cameras were located 1.5 meters above the ground and 100 meters from the submunitions (Figure 6). The cameras were operated at 10 fps. Stadia markers were placed at a specified distance in front of the camera. The markers were placed so that at least two markers were in the field of view at all times. The marker positions were surveyed.

b. The cameras were initiated at  $Z - 10$  seconds where  $Z$  denotes the command to fire. The cameras operated until 15 seconds past the time when burning of the submunition was completed.

c. Documentary still photographs were made of the test setup.

2.2.3.7 Meteorological. A 2-meter mast, equipped to measure wind speed and direction, was located within 30 meters of the submunitions. These data were monitored throughout the day and were used to determine the location of samplers and the status of each trial. Data were recorded from  $Z - 30$  seconds ( $Z$  denotes fire time) to 30 seconds past the burn complete time.

2.2.3.8 Recovery procedures. Following each trial, residue and/or submunition container were removed from the load cell plate and disposed of in accordance with appropriate EOD procedures as were specified in the safety annex (Reference 9). The CI samplers were removed and shipped to the appropriate laboratory for analysis. New CI samplers were labeled and installed for the next trial.

2.2.3.9 Laboratory. Same as paragraph 2.1.3.4.

2.2.3.10 Calibration. Same as paragraph 2.1.3.5.

### 2.2.4 Analytical Procedures

#### 2.2.4.1 Aerosol sampling instrumentation.

a. Aerosol photometer. Analog data from the AP were digitized and recorded on magnetic tape. In this form, the data were in terms of relative concentration through time. The relative concentrations were converted to "true" concentrations ( $\text{mg}/\text{m}^3$ ) utilizing ADP software

Table III. Summary of Test Day Data

Type of Submunition	Trial No.	Loc. of Trial	Date	Time	Air Temp (°C)	R.H. (%)	Wind Speed (m/sec)	Source Position on H.G.		
								X (m)	Y (m)	Z (m)
155mm M1 HC Canister	B1R1	H.G.*	25Jan78	1157	-0.4	76	5.5	16	4.5	.91
	B2R2	H.G.	25Jan78	1234	-0.2	72	5.2	16	4.5	.91
	A1	W.T.**	19Dec77	1200	1.6	57	2.0			
	A2	W.T.	19Dec77	1243	0.4	58	2.0			
155mm M2 HC Canister	B3R1	H.G.	25Jan78	1102	-1.0	75	5.4	16	4.5	.91
	B4R1	H.G.	25Jan78	1140	-0.9	75	5.2	16	4.5	.91
	A12	W.T.	11Jan78	1455	6.2	79	2.0			
	A13	W.T.	12Jan78	1003	5.6	71	2.0			
105mm HC Canister	B15	H.G.	25Jan78	1251	0.4	73	5.7	16	4.5	.91
	B16	H.G.	25Jan78	1304	0.3	73	6.6	16	4.5	.91
	A3	W.T.	19Dec77	1309	0.7	52	2.0			
	A4	W.T.	19Dec77	1333	1.5	49	2.0			
2.75 in Rocket WP Wedge	B9	H.G.	24Jan78	1256	-0.8	62	2.0	4	4.5	.81
	B10	H.G.	24Jan78	1314	-2.2	64	2.0	4	4.5	.81
	A9	W.T.	11Jan78	1249	5.7	75	2.0			
	A10	W.T.	11Jan78	1320	6.4	80	2.0			
Six Inch WP Wick	B7	H.G.	24Jan78	1202	-0.3	67	1.8	4	4.5	.81
	B8	H.G.	24Jan78	1231	-0.2	63	1.9	4	4.5	.81
	A5	W.T.	19Dec77	1440	2.2	43	2.0			
	A6	W.T.	19Dec77	1510	1.7	45	2.0			
Three Inch WP Wick	C6	H.G.	24Jan78	1136	-3.3	72	2.3	6	4.5	.25
	B5R1	H.G.	24Jan78	1108	-3.7	71	2.2	6	4.5	.81
	A7	W.T.	11Jan78	1111	3.0	88	2.0			
	A8	W.T.	11Jan78	1202	5.2	71	2.0			
155mm Navy RP Wedge	B13	H.G.	24Jan78	1416	-1.4	70	1.6	3	4.5	.81
	B14	H.G.	24Jan78	1455	0.0	72	2.6	3	4.5	.81
	A15	W.T.	12Jan78	1108	6.1	72	2.0			
	A16	W.T.	12Jan78	1309	7.8	66	2.0			
81mm Navy RP Wedge	B11	H.G.	24Jan78	1337	-1.4	70	1.9	3	4.5	.81
	B12	H.G.	24Jan78	1353	-1.2	80	2.5	3	4.5	.81
	A17	W.T.	12Jan78	1357	7.8	58	2.0			
	A18	W.T.	12Jan78	1423	7.8	59	2.0			
81mm German RP Wedge	B18	H.G.	25Jan78	1412	0.7	73	5.9	3	4.5	1.07
	B17R1	H.G.	25Jan78	1358	0.5	73	5.7	3	4.5	1.07
	A11	W.T.	11Jan78	1348	6.2	79	2.0			
	A14	W.T.	12Jan78	1037	5.6	75	2.0			

\* Horizontal Grid (H.G.)  
 \*\* Wind Tunnel (W.T.)

and techniques described in reference 6. Concentrations at one-second intervals were tabulated for each trial and smoke submunition.

b. Chemical impinger. The CIs were assayed according to existing DPG SOPs for phosphorus and zinc. Assay results were pooled and converted to a dosage estimate for each trial according to the procedure of reference 7.

c. Particle size analyzer. The analog PSA data were digitized and stored on a magnetic tape. The magnetic tape was ADP processed according to procedures in reference 6. These procedures provided, at a given time of the cloud history, a particle size distribution for six diameter ranges, and number median diameter (NMD).

## 2.3 Results

### 2.3.1 Test Day Data

A summary of the test day data are shown in Table III which lists the type of submunition, the test number, the location of the test (H.G. for Horizontal Grid and W.T. for Wind Tunnel), the date of the test, the time of the test, temperature of the air, R.H., wind speed and position of the submunition on the Horizontal Grid (Figure 7).

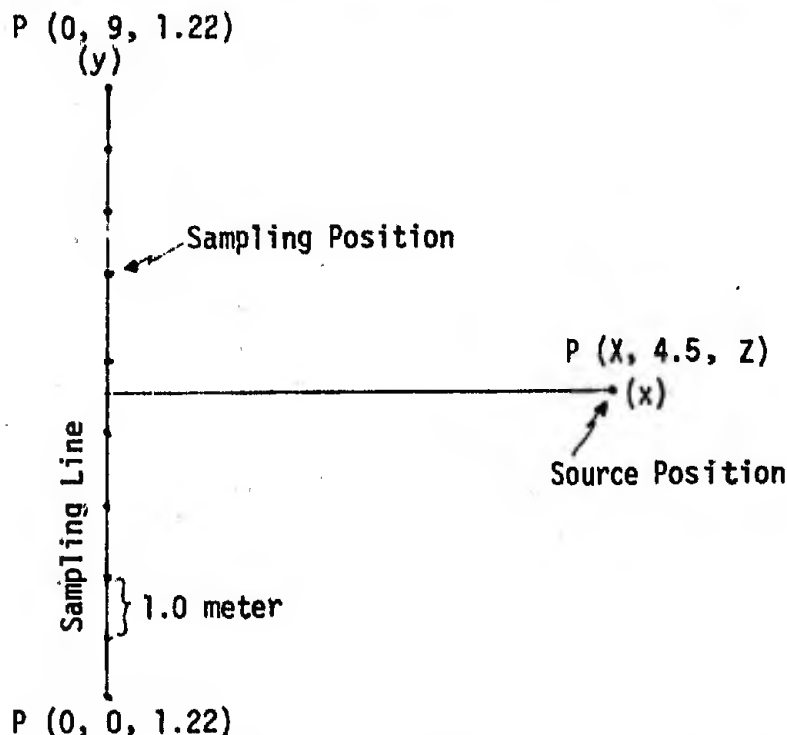


Figure 7. Horizontal Grid Coordinates System. This system was oriented with the Y axis perpendicular to the wind direction.

Table IV. Summary of Source Parameter Determined for A Given Trial

Type of Submunition	No. Used	Trial No.	M <sub>0</sub> (g)	ΔM (g)	$\frac{\Delta M}{M_0}$	M <sub>X</sub> * (g)	MYF M <sub>X</sub> /M <sub>0</sub>	t <sub>b</sub> (min)	X <sub>R</sub> (m)	σ <sub>YS</sub> (m)
155mm HC M1 Canister	1	A1	3450	2330	0.68	425	0.12	1.5	NA	NA
	1	A2	3572	2412	0.68	382	0.11	1.5	NA	NA
	1	B1R1	3382	1986	0.59	NA	NA	3.8	0.7	0.22
	1	B2R1	3419	2039	0.59	NA	NA	2.0	1.0	0.35
155mm HC M2 Canister	1	A12	2055	1162	0.57	369	0.18	1.8	NA	NA
	1	A13	1987	1182	0.59	391	0.20	1.3	NA	NA
	1	B3R1	1920	1124	0.59	NA	NA	1.1	1.0	0.29
	1	B4R1	1993	1128	0.57	NA	NA	1.1	1.0	0.29
105mm HC Canister	1	A3	1178	646	0.55	154	0.13	1.9	NA	NA
	1	A4	1177	633	0.54	234	0.19	1.9	NA	NA
	1	B15	1179	669	0.57	NA	NA	2.1	1.0	0.17
	1	B15	1179	585	0.50	NA	NA	2.0	1.0	0.17
2.75 in. Rocket WP Wedge	1	A9	217	125	0.58	150	0.69	6.9	NA	NA
	1	A10	203	116	0.57	129	0.63	4.4	NA	NA
	1	B9	211	132	0.63	NA	NA	2.9	1.0	0.12
	1	B10	208	126	0.61	NA	NA	3.1	1.0	0.12
Six Inch WP Wick	1	A5	102	59	0.58	64	0.64	ND	NA	NA
	1	A6	101	51	0.50	77	0.77	5.4	NA	NA
	1	B7	121	77	0.64	NA	NA	5.9	1.0	0.12
	1	B8	100	70	0.70	NA	NA	8.1	1.0	0.12
Three Inch WP Wick	1	A7	63	40	0.63	45	0.71	8.1	NA	NA
	1	A8	52	36	0.69	50	0.96**	7.9	NA	NA
	1	B6	64	49	0.77	NA	NA	7.4	1.0	0.17
	1	B5R1	ND	ND	ND	NA	NA	ND	ND	ND
155mm Navy RP Wedge	3	A15	114	78	0.68	72	0.63	4.4	NA	NA
	3	A16	117	69	0.59	79	0.68	4.0	NA	NA
	1	B13	40	27	0.68	NA	NA	3.2	1.0	0.12
	1	B14	40	34	0.83	NA	NA	2.8	1.0	0.12
81mm Navy RP Wedge	3	A17	117	73	0.63	64	0.55	5.9	NA	NA
	3	A18	116	68	0.59	61	0.52	4.9	NA	NA
	1	B11	57	35	0.61	NA	NA	3.0	1.0	0.12
	1	B12	59	36	0.61	NA	NA	3.2	1.0	0.12
81mm German RP Wedge	3	A11	30	15	0.50	24	0.81	6.3	NA	NA
	3	A14	35	14	0.40	15	0.42	6.4	NA	NA
	1	B18	ND	ND	ND	NA	NA	ND	1.0	0.12
	1	B17R1	ND	ND	ND	NA	NA	NA	1.0	0.12

\* Mass of agent (zinc or phosphorus)

\*\* Smoke from the tunnel exhaust entered the tunnel intake.

155MM CANISTER, M1, (HC)

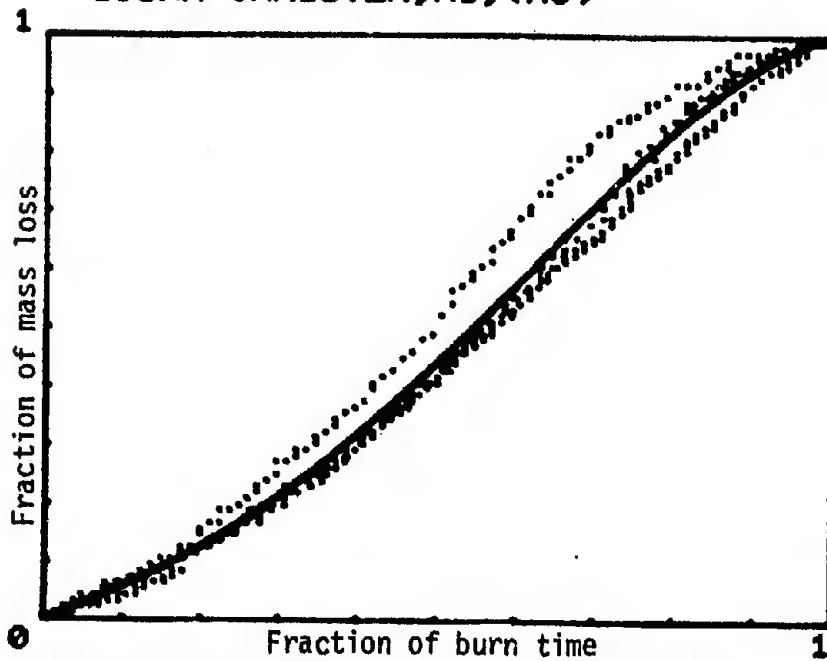


Figure 8. Fraction of Mass Loss vs Fraction of Burn Time for 155mm Canister, M1, HC

155MM CANISTER, M2, (HC)

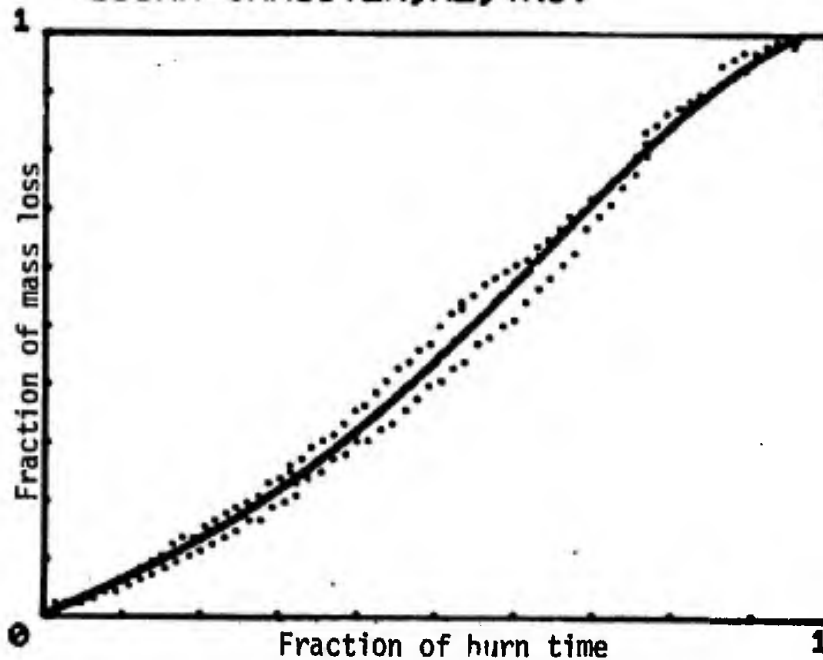


Figure 9. Fraction of Mass Loss vs Fraction of Burn Time for 155mm Canister, M2, HC

**105MM CANISTER, (HC)**

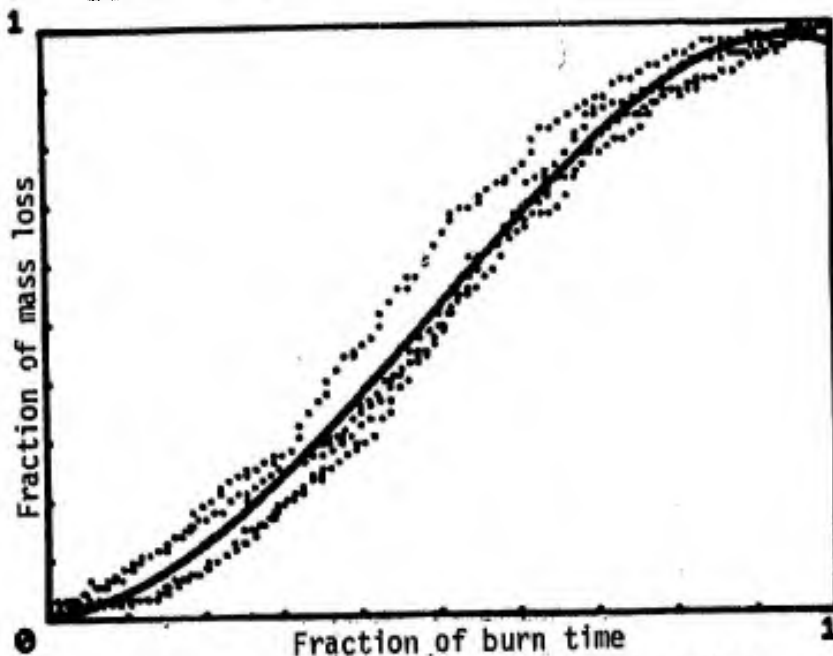


Figure 10. Fraction of Mass Loss vs Fraction of Burn Time for 105mm Canister, HC

**2.75 WEDGE, (WP)**

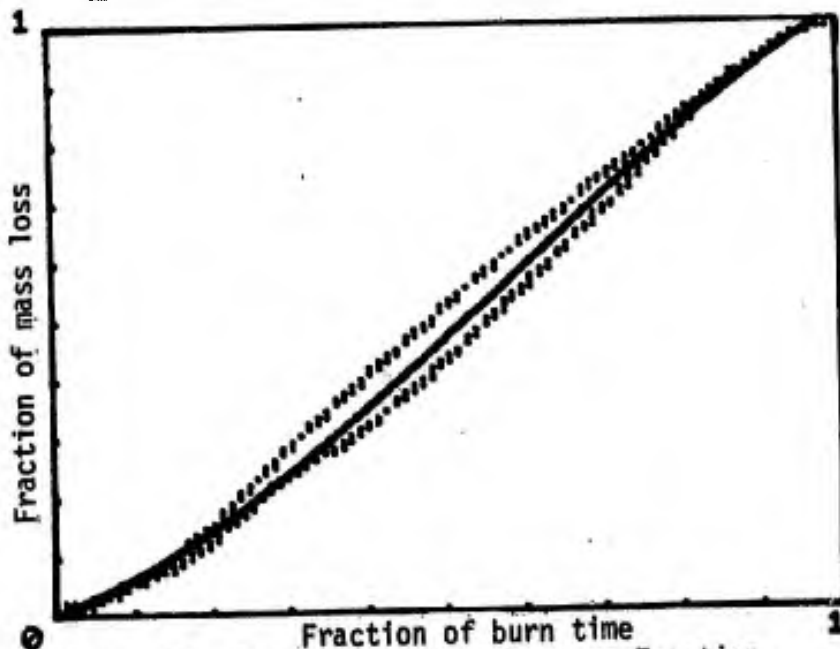


Figure 11. Fraction of Mass Loss vs Fraction of Burn Time for 2.75 Wedge, WP

NAVY 155MM WEDGE, (RP)

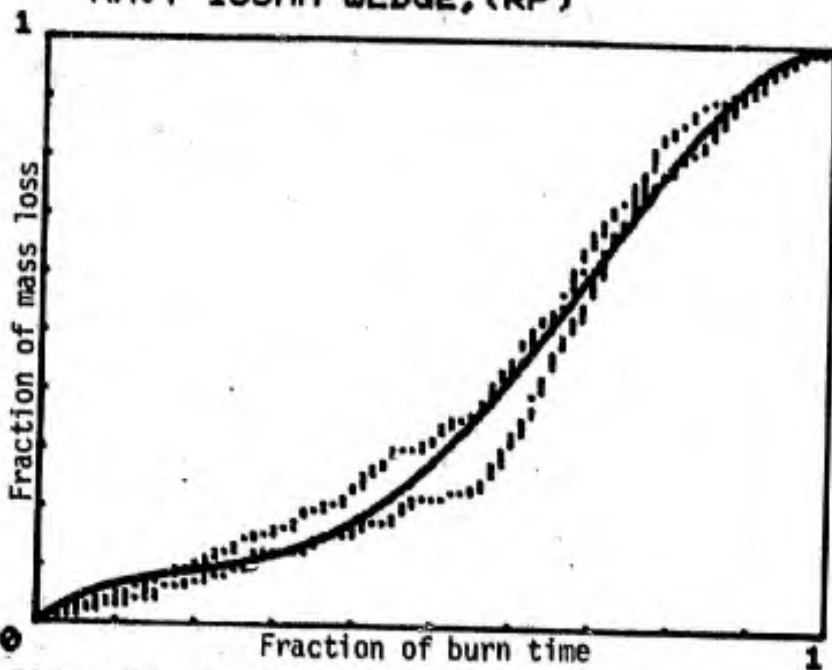


Figure 12. Fraction of Mass Loss vs Fraction of Burn Time for Navy 155mm Wedge, RP

NAVY 81MM WEDGE, (RP)

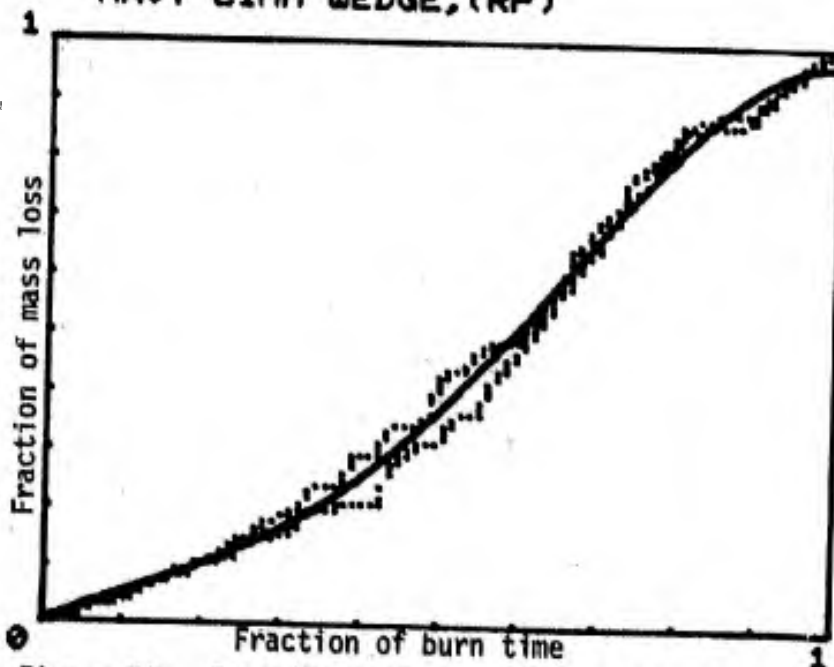


Figure 13. Fraction of Mass Loss vs Fraction of Burn Time for Navy 81mm Wedge, RP

**SIX INCH WICK, (WP)**

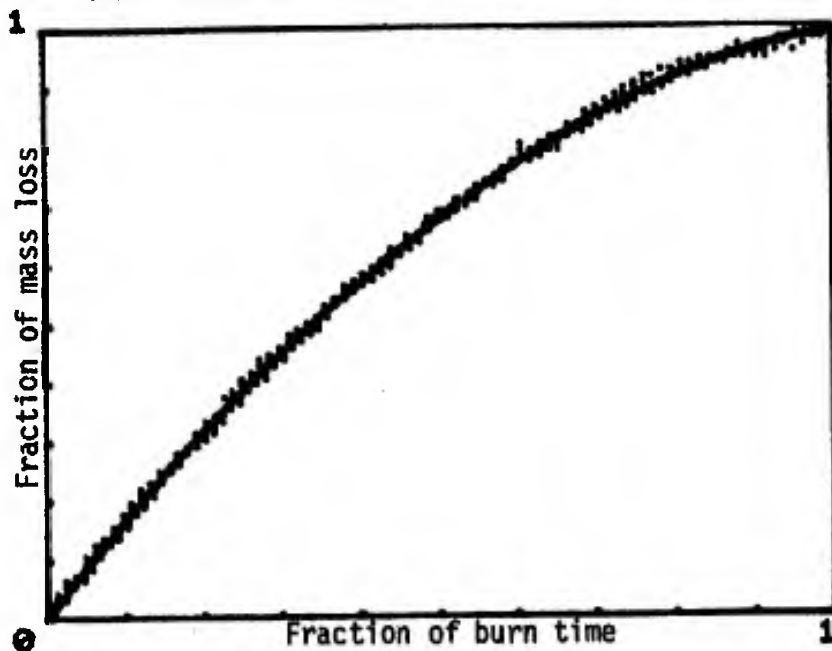


Figure 14. Fraction of Mass Loss vs Fraction of Burn Time for Six Inch Wick (WP)

**THREE INCH WICK, (WP)**

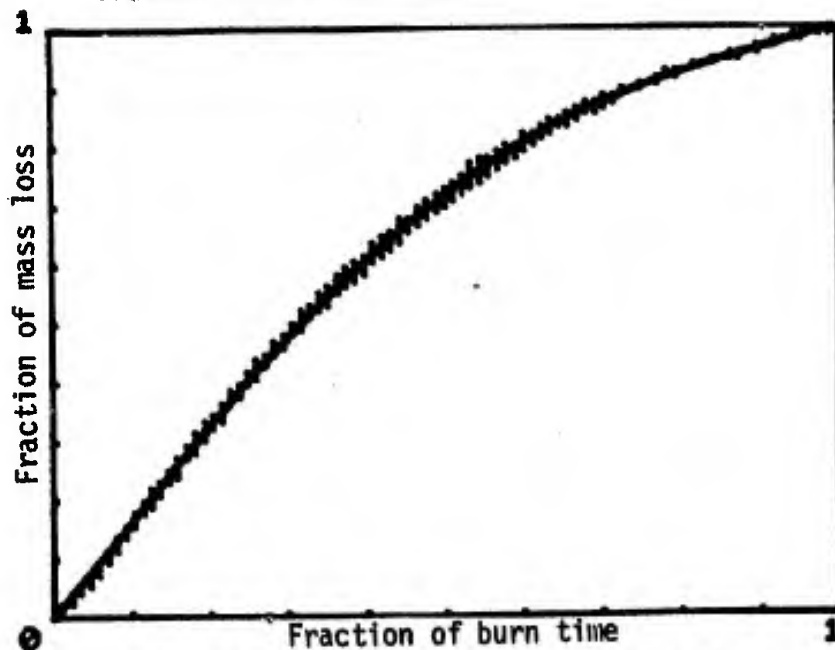


Figure 15. Fraction of Mass Loss vs Fraction of Burn Time for Three Inch Wick (WP)

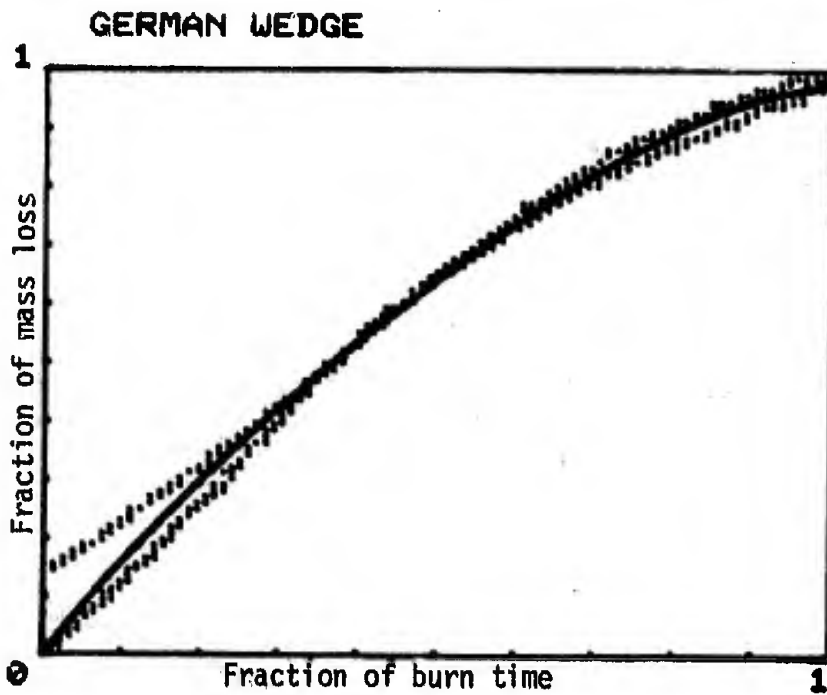


Figure 16. Fraction of Mass Loss vs Burn Time for German Wedge

### 2.3.2 Submunition Source Parameters

A summary of the source parameters by trial are given in Table IV which list the type of submunition used, the number of submunitions used, the trial number, the mass of the submunitions ( $M_0$ ) before burn, the mass loss ( $\Delta M$ ) at end of burn, the ratio of  $\Delta M/M_0$ , the mass of zinc or phosphorus aerosolized by the submunition ( $M_x$ ), the munition yield fraction (MYF), the burn time ( $t_b$ ), and the reference distance ( $X_R$ ) where the standard sigma of the cloud ( $\sigma_{ys}$ ) was determined ( $\sigma_{ys} = \sigma_{xs}$ ).

### 2.3.3 Mass Loss Measurements

The fraction of burn time versus the fraction of the mass loss for all nine submunitions are shown in Figures 8 through 16. See Appendix B for detailed measurements of the mass loss. The tables given in Appendix B for mass loss shows: (1) time from ignition (TN), (2) the mass (WN) of the submunition at time TN, (3) the ratio (RW) of the initial mass of the submunition to the mass of the submunition at time TN and (4) the ratio (RT) of TN to TN at burnout.

### 2.3.4 Smoke Concentration Measurements

The coordinates of the samplers (AP and CI) are shown in Figure 7 and coordinate values given in Table V. The tabular concentration values for each test are given in Appendix B. The aerosol photometers numbers 6 and 10 malfunctioned and should not be considered for this test. The tables given in Appendix B for smoke concentration list the time from ignition, and the concentration of smoke at each one of the aerosol positions. The dosage measurements obtained from the CI data are also given in Appendix B for each trial on the Horizontal Grid.

Table V. Sampler Position on the Horizontal Grid

CI No.	AP No.	Sampler Position P		
		X (m)	Y (m)	Z (m)
1	10	0	0	1.2
2	9	0	1	1.2
3	8	0	2	1.2
4	7	0	3	1.2
5	6	0	4	1.2
6	5	0	5	1.2
7	4	0	6	1.2
8	3	0	7	1.2
9	2	0	8	1.2
10	1	0	9	1.2

SECTION 3. APPENDICES  
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Not Used

## APPENDIX B

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## TRIAL A1

Table 1. Weight Loss thru Time

TN	WN	RW	RT
0.	3450.29	0.00	0.00
1.	3450.10	0.00	0.01
2.	3451.75	-0.00	0.01
3.	3452.74	-0.00	0.02
4.	3452.41	-0.00	0.03
5.	3445.48	0.00	0.04
6.	3450.48	-0.00	0.04
7.	3449.77	0.00	0.05
8.	3449.11	0.00	0.06
9.	3446.47	0.00	0.06
10.	3447.18	0.00	0.07
11.	3449.11	0.00	0.08
12.	3450.76	-0.00	0.09
13.	3447.18	0.00	0.09
14.	3447.46	0.00	0.10
15.	3448.78	0.00	0.11
16.	3449.11	0.00	0.12
17.	3449.11	0.00	0.12
18.	3447.18	0.00	0.13
19.	3446.80	0.00	0.14
20.	3449.44	0.00	0.14
21.	3450.10	0.00	0.15
22.	3445.81	0.00	0.16
23.	3449.77	0.00	0.17
24.	3448.45	0.00	0.17
25.	3450.10	0.00	0.18
26.	3447.79	0.00	0.19
27.	3448.78	0.00	0.19
28.	3448.78	0.00	0.20
29.	3449.44	0.00	0.21
30.	3448.12	0.00	0.22
31.	3449.11	0.00	0.22
32.	3448.45	0.00	0.23
33.	3450.48	-0.00	0.24
34.	3447.46	0.00	0.24
35.	3447.18	0.00	0.25
36.	3449.44	0.00	0.26
37.	3450.10	0.00	0.27
38.	3447.79	0.00	0.27
39.	3448.78	0.00	0.28
40.	3449.05	0.00	0.29
41.	3463.63	-0.01	0.29
42.	3377.16	0.03	0.30
43.	3363.10	0.03	0.31
44.	3370.89	0.03	0.32
45.	3348.12	0.04	0.32
46.	3321.06	0.06	0.33
47.	3304.23	0.06	0.34
48.	3290.37	0.07	0.35
49.	3273.87	0.08	0.35
50.	3255.71	0.08	0.36
51.	3246.47	0.09	0.37
52.	3233.88	0.09	0.37
53.	3226.67	0.10	0.38
54.	3214.79	0.10	0.39
55.	3203.57	0.11	0.40
56.	3184.76	0.11	0.40

TRIAL A1

Table 1. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	3169. 25	0. 12	0. 41
58.	3156. 05	0. 13	0. 42
59.	3147. 14	0. 13	0. 42
60.	3122. 38	0. 14	0. 43
61.	3107. 86	0. 15	0. 44
62.	3088. 69	0. 16	0. 45
63.	3065. 62	0. 17	0. 45
64.	3038. 69	0. 18	0. 46
65.	3014. 79	0. 19	0. 47
66.	2989. 71	0. 20	0. 47
67.	2966. 94	0. 21	0. 48
68.	2955. 06	0. 21	0. 49
69.	2916. 45	0. 23	0. 50
70.	2891. 69	0. 24	0. 50
71.	2873. 21	0. 25	0. 51
72.	2858. 66	0. 25	0. 52
73.	2835. 59	0. 26	0. 53
74.	2801. 60	0. 28	0. 53
75.	2776. 52	0. 29	0. 54
76.	2759. 95	0. 30	0. 55
77.	2729. 62	0. 31	0. 55
78.	2709. 52	0. 32	0. 56
79.	2689. 72	0. 33	0. 57
80.	2660. 02	0. 34	0. 58
81.	2627. 01	0. 35	0. 58
82.	2607. 21	0. 36	0. 59
83.	2575. 53	0. 38	0. 60
84.	2547. 81	0. 39	0. 60
85.	2506. 55	0. 41	0. 61
86.	2487. 08	0. 41	0. 62
87.	2446. 14	0. 43	0. 63
88.	2414. 15	0. 44	0. 63
89.	2384. 77	0. 46	0. 64
90.	2343. 52	0. 48	0. 65
91.	2313. 62	0. 49	0. 65
92.	2276. 65	0. 50	0. 66
93.	2266. 29	0. 51	0. 67
94.	2223. 06	0. 53	0. 68
95.	2199. 96	0. 54	0. 68
96.	2161. 68	0. 55	0. 69
97.	2121. 41	0. 57	0. 70
98.	2098. 31	0. 58	0. 71
99.	2058. 71	0. 60	0. 71
100.	2008. 37	0. 62	0. 72
101.	1972. 57	0. 63	0. 73
102.	1932. 64	0. 65	0. 73
103.	1897. 65	0. 67	0. 74
104.	1851. 78	0. 69	0. 75
105.	1823. 73	0. 70	0. 76
106.	1795. 68	0. 71	0. 76
107.	1749. 53	0. 73	0. 77
108.	1691. 72	0. 76	0. 78
109.	1659. 37	0. 77	0. 78
110.	1615. 48	0. 79	0. 79
111.	1582. 15	0. 80	0. 80
112.	1557. 07	0. 81	0. 81
113.	1522. 41	0. 83	0. 81
114.	1494. 03	0. 84	0. 82

## TRIAL A1

Table 1. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	1454.43	0.86	0.83
116.	1427.04	0.87	0.83
117.	1403.60	0.88	0.84
118.	1382.15	0.89	0.85
119.	1351.46	0.90	0.86
120.	1334.63	0.91	0.86
121.	1310.54	0.92	0.87
122.	1292.05	0.93	0.88
123.	1275.55	0.93	0.88
124.	1254.43	0.94	0.89
125.	1239.91	0.95	0.90
126.	1222.75	0.96	0.91
127.	1209.55	0.96	0.91
128.	1200.31	0.97	0.91
129.	1186.43	0.97	0.91
130.	1177.54	0.98	0.94
131.	1168.62	0.98	0.94
132.	1161.36	0.98	0.95
133.	1156.08	0.98	0.96
134.	1148.82	0.99	0.96
135.	1140.90	0.99	0.97
136.	1134.63	0.99	0.98
137.	1128.69	1.00	0.99
138.	1124.40	1.00	0.99
139.	1121.10	1.00	1.00

TRIAL A2

Table 2. Weight Loss thru Time

TN	WN	RW	RT
0.	3572. 16	0. 00	0. 00
1.	3570. 53	0. 00	0. 01
2.	3575. 64	-0. 00	0. 01
3.	3576. 52	-0. 00	0. 02
4.	3573. 26	-0. 00	0. 03
5.	3571. 35	0. 00	0. 04
6.	3574. 28	-0. 00	0. 04
7.	3576. 32	-0. 00	0. 05
8.	3574. 28	-0. 00	0. 06
9.	3572. 24	-0. 00	0. 06
10.	3581. 78	-0. 00	0. 07
11.	3570. 53	0. 00	0. 08
12.	3559. 50	0. 01	0. 09
13.	3554. 66	0. 01	0. 09
14.	3551. 11	0. 01	0. 10
15.	3554. 52	0. 01	0. 11
16.	3555. 54	0. 01	0. 11
17.	3555. 88	0. 01	0. 12
18.	3551. 45	0. 01	0. 13
19.	3554. 18	0. 01	0. 13
20.	3552. 81	0. 01	0. 14
21.	3551. 45	0. 01	0. 15
22.	3552. 47	0. 01	0. 16
23.	3553. 50	0. 01	0. 16
24.	3551. 79	0. 01	0. 17
25.	3550. 77	0. 01	0. 18
26.	3553. 84	0. 01	0. 18
27.	3552. 47	0. 01	0. 19
28.	3552. 13	0. 01	0. 20
29.	3552. 47	0. 01	0. 21
30.	3553. 15	0. 01	0. 21
31.	3554. 66	0. 01	0. 22
32.	3555. 54	0. 01	0. 23
33.	3551. 79	0. 01	0. 23
34.	3555. 88	0. 01	0. 24
35.	3554. 18	0. 01	0. 25
36.	3552. 81	0. 01	0. 26
37.	3551. 79	0. 01	0. 26
38.	3555. 88	0. 01	0. 27
39.	3551. 11	0. 01	0. 28
40.	3552. 81	0. 01	0. 28
41.	3552. 47	0. 01	0. 29
42.	3553. 50	0. 01	0. 30
43.	3552. 47	0. 01	0. 30
44.	3555. 88	0. 01	0. 31
45.	3549. 07	0. 01	0. 32
46.	3544. 98	0. 01	0. 33
47.	3509. 20	0. 03	0. 33
48.	3503. 75	0. 03	0. 34
49.	3489. 44	0. 03	0. 35
50.	3469. 99	0. 04	0. 35
51.	3444. 46	0. 05	0. 36
52.	3422. 63	0. 06	0. 37
53.	3413. 79	0. 07	0. 38
54.	3399. 69	0. 07	0. 38
55.	3381. 08	0. 08	0. 39
56.	3372. 57	0. 08	0. 40

TRIAL A2

Table 2. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	3351.32	0.09	0.40
58.	3349.40	0.09	0.41
59.	3334.75	0.10	0.42
60.	3316.00	0.11	0.43
61.	3301.01	0.11	0.43
62.	3286.02	0.12	0.44
63.	3268.30	0.13	0.45
64.	3249.56	0.13	0.45
65.	3235.59	0.14	0.46
66.	3219.44	0.15	0.47
67.	3196.07	0.16	0.48
68.	3168.13	0.17	0.48
69.	3148.71	0.18	0.49
70.	3132.69	0.18	0.50
71.	3109.66	0.19	0.50
72.	3089.29	0.20	0.51
73.	3064.20	0.21	0.52
74.	3040.35	0.22	0.52
75.	3019.23	0.23	0.53
76.	2987.20	0.24	0.54
77.	2963.35	0.25	0.55
78.	2934.39	0.26	0.55
79.	2911.56	0.27	0.56
80.	2876.60	0.29	0.57
81.	2831.48	0.31	0.57
82.	2814.45	0.31	0.58
83.	2771.17	0.33	0.59
84.	2733.69	0.35	0.60
85.	2721.77	0.35	0.60
86.	2682.92	0.37	0.61
87.	2651.24	0.38	0.62
88.	2621.25	0.39	0.62
89.	2574.57	0.41	0.63
90.	2574.91	0.41	0.64
91.	2528.91	0.43	0.65
92.	2494.84	0.45	0.65
93.	2468.95	0.46	0.66
94.	2431.12	0.47	0.67
95.	2389.55	0.49	0.67
96.	2351.73	0.51	0.68
97.	2316.98	0.52	0.69
98.	2283.59	0.53	0.70
99.	2241.34	0.55	0.70
100.	2226.00	0.56	0.71
101.	2185.30	0.57	0.72
102.	2157.86	0.59	0.72
103.	2116.29	0.60	0.73
104.	2085.28	0.62	0.74
105.	2047.30	0.63	0.74
106.	2007.93	0.65	0.75
107.	1964.66	0.67	0.75
108.	1923.09	0.68	0.77
109.	1889.02	0.70	0.77
110.	1839.27	0.72	0.78
111.	1802.47	0.73	0.79
112.	1760.90	0.75	0.79
113.	1695.32	0.78	0.80
114.	1685.26	0.78	0.81

Table 2. Weight Loss thru Time (Conc.)

TRIAL #2

TN	WN	RW	RT
115.	1613. 73	0. 81	0. 82
116.	1583. 88	0. 82	0. 82
117.	1563. 09	0. 84	0. 83
118.	1508. 76	0. 86	0. 84
119.	1468. 56	0. 87	0. 84
120.	1442. 66	0. 88	0. 85
121.	1410. 79	0. 90	0. 86
122.	1383. 06	0. 91	0. 87
123.	1360. 20	0. 92	0. 87
124.	1342. 48	0. 92	0. 88
125.	1323. 75	0. 93	0. 89
126.	1297. 83	0. 94	0. 89
127.	1287. 29	0. 95	0. 90
128.	1276. 28	0. 95	0. 91
129.	1262. 70	0. 96	0. 91
130.	1254. 23	0. 96	0. 92
131.	1241. 66	0. 97	0. 93
132.	1227. 66	0. 97	0. 94
133.	1218. 80	0. 98	0. 94
134.	1207. 90	0. 98	0. 95
135.	1202. 10	0. 98	0. 96
136.	1192. 90	0. 99	0. 96
137.	1182. 68	0. 99	0. 97
138.	1176. 53	0. 99	0. 98
139.	1172. 46	0. 99	0. 99
140.	1164. 76	1. 00	0. 99
141.	1160. 19	1. 00	1. 00

TRIAL BIR1

Table 3. Weight Loss thru Time

TN	WN	RW	RT
0.	3362. 18	0. 00	0. 00
1.	3362. 72	-0. 00	0. 00
2.	3361. 77	0. 00	0. 01
3.	3365. 57	-0. 00	0. 01
4.	3367. 76	-0. 00	0. 02
5.	3371. 57	-0. 00	0. 02
6.	3369. 68	-0. 00	0. 02
7.	3365. 88	-0. 00	0. 03
8.	3360. 83	0. 00	0. 03
9.	3362. 41	-0. 00	0. 03
10.	3362. 41	-0. 00	0. 04
11.	3366. 52	-0. 00	0. 04
12.	3361. 14	0. 00	0. 05
13.	3366. 20	-0. 00	0. 05
14.	3363. 99	-0. 00	0. 05
15.	3372. 61	0. 00	0. 06
16.	3373. 56	0. 00	0. 06
17.	3377. 35	0. 00	0. 06
18.	3374. 50	0. 00	0. 07
19.	3371. 03	0. 01	0. 07
20.	3371. 34	0. 01	0. 08
21.	3362. 49	0. 01	0. 08
22.	3366. 81	0. 01	0. 08
23.	3355. 85	0. 01	0. 09
24.	3357. 43	0. 01	0. 09
25.	3355. 54	0. 01	0. 09
26.	3348. 27	0. 02	0. 10
27.	3341. 63	0. 02	0. 10
28.	3336. 25	0. 02	0. 11
29.	3333. 09	0. 02	0. 11
30.	3334. 99	0. 02	0. 11
31.	3321. 71	0. 03	0. 12
32.	3320. 13	0. 03	0. 12
33.	3319. 50	0. 03	0. 12
34.	3314. 13	0. 03	0. 13
35.	3317. 60	0. 03	0. 13
36.	3310. 96	0. 04	0. 14
37.	3305. 26	0. 04	0. 14
38.	3300. 22	0. 04	0. 14
39.	3301. 17	0. 04	0. 15
40.	3299. 58	0. 04	0. 15
41.	3308. 75	0. 04	0. 15
42.	3287. 57	0. 05	0. 16
43.	3293. 26	0. 04	0. 16
44.	3282. 20	0. 05	0. 17
45.	3285. 99	0. 05	0. 17
46.	3279. 04	0. 05	0. 17
47.	3277. 46	0. 05	0. 18
48.	3269. 55	0. 06	0. 18
49.	3274. 30	0. 05	0. 18
50.	3264. 18	0. 06	0. 19
51.	3256. 91	0. 06	0. 19
52.	3261. 97	0. 06	0. 20
53.	3256. 28	0. 06	0. 20
54.	3240. 79	0. 07	0. 20
55.	3226. 25	0. 08	0. 21
56.	3233. 63	0. 07	0. 21

TRIAL B1R1

Table 3. Weight Loss thru Time (Cont.)

TN	NN	RW	RT
57.	3226 68	0.08	0.22
58.	3226 56	0.08	0.22
59.	3218 84	0.08	0.22
60.	3231 80	0.08	0.23
61.	3216 76	0.08	0.23
62.	3202 54	0.09	0.23
63.	3197 80	0.09	0.24
64.	3189 89	0.10	0.24
65.	3189 26	0.10	0.25
66.	3175 04	0.10	0.25
67.	3180 78	0.10	0.25
68.	3120 67	0.10	0.26
69.	3116 08	0.14	0.26
70.	3108 02	0.14	0.26
71.	3102 68	0.14	0.27
72.	3102 63	0.14	0.27
73.	3094 48	0.14	0.28
74.	3088 74	0.15	0.28
75.	3090 32	0.15	0.28
76.	3079 89	0.15	0.29
77.	3078 31	0.15	0.29
78.	3079 57	0.15	0.29
79.	3069 14	0.16	0.30
80.	3067 24	0.16	0.30
81.	3062 18	0.16	0.31
82.	3052 07	0.17	0.31
83.	3049 86	0.17	0.31
84.	3030 89	0.18	0.32
85.	3026 78	0.18	0.32
86.	3012 24	0.19	0.32
87.	2997 06	0.19	0.33
88.	2986 85	0.20	0.33
89.	2981 89	0.20	0.34
90.	2967 65	0.21	0.34
91.	2965 77	0.21	0.34
92.	2957 87	0.21	0.35
93.	2945 64	0.22	0.35
94.	2942 69	0.22	0.35
95.	2921 51	0.23	0.36
96.	2936 63	0.23	0.36
97.	2921 20	0.23	0.37
98.	2914 24	0.24	0.37
99.	2915 19	0.24	0.37
100.	2895 28	0.25	0.38
101.	2894 64	0.25	0.38
102.	2889 59	0.25	0.38
103.	2884 58	0.25	0.39
104.	2874 78	0.26	0.39
105.	2871 88	0.26	0.40
106.	2871 25	0.26	0.40
107.	2859 56	0.26	0.40
108.	2857 66	0.26	0.41
109.	2849 44	0.27	0.41
110.	2845 01	0.27	0.42
111.	2837 11	0.27	0.42
112.	2839 00	0.28	0.42
113.	2816 88	0.28	0.43
114.	2807 08	0.29	0.43

TRIAL B1R1

Table 3. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	2796. 65	0. 29	0. 43
116.	2788. 11	0. 30	0. 44
117.	2784. 32	0. 30	0. 44
118.	2771. 04	0. 31	0. 45
119.	2759. 35	0. 31	0. 45
120.	2751. 76	0. 32	0. 45
121.	2744. 81	0. 32	0. 46
122.	2731. 21	0. 33	0. 46
123.	2719. 52	0. 33	0. 46
124.	2713. 83	0. 34	0. 47
125.	2700. 87	0. 34	0. 47
126.	2691. 07	0. 35	0. 48
127.	2679. 42	0. 35	0. 48
128.	2671. 78	0. 36	0. 48
129.	2669. 26	0. 36	0. 49
130.	2658. 19	0. 36	0. 49
131.	2650. 92	0. 37	0. 49
132.	2640. 17	0. 37	0. 50
133.	2626. 90	0. 38	0. 50
134.	2617. 10	0. 39	0. 51
135.	2611. 72	0. 39	0. 51
136.	2602. 24	0. 39	0. 51
137.	2585. 80	0. 40	0. 52
138.	2576. 32	0. 41	0. 52
139.	2565. 25	0. 41	0. 52
140.	2557. 67	0. 42	0. 53
141.	2546. 60	0. 42	0. 53
142.	2528. 59	0. 43	0. 54
143.	2516. 57	0. 44	0. 54
144.	2507. 72	0. 44	0. 54
145.	2500. 14	0. 44	0. 55
146.	2488. 44	0. 45	0. 55
147.	2472. 00	0. 46	0. 55
148.	2466. 94	0. 46	0. 56
149.	2451. 14	0. 47	0. 56
150.	2442. 29	0. 47	0. 57
151.	2435. 96	0. 48	0. 57
152.	2425. 85	0. 48	0. 57
153.	2421. 42	0. 48	0. 58
154.	2415. 42	0. 49	0. 58
155.	2414. 15	0. 49	0. 58
156.	2403. 72	0. 49	0. 59
157.	2388. 23	0. 50	0. 59
158.	2371. 48	0. 51	0. 60
159.	2360. 10	0. 51	0. 60
160.	2355. 04	0. 52	0. 60
161.	2343. 34	0. 52	0. 61
162.	2332. 12	0. 53	0. 61
163.	2319. 95	0. 54	0. 62
164.	2311. 10	0. 54	0. 62
165.	2302. 57	0. 54	0. 62
166.	2291. 50	0. 55	0. 63
167.	2279. 49	0. 56	0. 63
168.	2269. 06	0. 56	0. 63
169.	2256. 10	0. 57	0. 64
170.	2244. 40	0. 57	0. 64
171.	2229. 86	0. 58	0. 65
172.	2228. 59	0. 58	0. 65

TRIAL B1R1

Table 3. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	2212. 16	0. 59	0. 65
174.	2193. 82	0. 60	0. 66
175.	2187. 18	0. 60	0. 66
176.	2181. 18	0. 60	0. 66
177.	2172. 33	0. 61	0. 67
178.	2166. 00	0. 61	0. 67
179.	2154. 31	0. 62	0. 68
180.	2147. 35	0. 62	0. 68
181.	2136. 61	0. 63	0. 68
182.	2132. 81	0. 63	0. 69
183.	2119. 54	0. 64	0. 69
184.	2107. 52	0. 64	0. 69
185.	2105. 63	0. 64	0. 70
186.	2092. 03	0. 65	0. 70
187.	2083. 13	0. 65	0. 71
188.	2069. 91	0. 66	0. 71
189.	2062. 64	0. 66	0. 71
190.	2049. 99	0. 67	0. 72
191.	2042. 72	0. 67	0. 72
192.	2030. 08	0. 68	0. 72
193.	2011. 74	0. 69	0. 73
194.	1996. 57	0. 70	0. 73
195.	1989. 61	0. 70	0. 74
196.	1971. 28	0. 71	0. 74
197.	1956. 11	0. 72	0. 74
198.	1939. 04	0. 73	0. 75
199.	1928. 60	0. 73	0. 75
200.	1921. 97	0. 74	0. 75
201.	1913. 11	0. 74	0. 76
202.	1894. 13	0. 75	0. 76
203.	1889. 09	0. 75	0. 77
204.	1881. 82	0. 76	0. 77
205.	1871. 07	0. 76	0. 77
206.	1863. 48	0. 76	0. 78
207.	1854. 63	0. 77	0. 78
208.	1845. 47	0. 77	0. 78
209.	1834. 09	0. 78	0. 79
210.	1823. 34	0. 79	0. 79
211.	1808. 80	0. 79	0. 80
212.	1796. 15	0. 80	0. 80
213.	1782. 56	0. 81	0. 81
214.	1768. 65	0. 81	0. 81
215.	1761. 70	0. 82	0. 81
216.	1755. 37	0. 82	0. 82
217.	1742. 73	0. 83	0. 82
218.	1730. 40	0. 83	0. 82
219.	1726. 29	0. 83	0. 83
220.	1714. 91	0. 84	0. 83
221.	1708. 59	0. 84	0. 83
222.	1695. 95	0. 85	0. 84
223.	1677. 93	0. 86	0. 84
224.	1668. 13	0. 86	0. 85
225.	1659. 28	0. 87	0. 85
226.	1654. 22	0. 87	0. 85
227.	1642. 21	0. 88	0. 86
228.	1625. 14	0. 89	0. 86
229.	1619. 13	0. 89	0. 86
230.	1603. 96	0. 90	0. 87

TRIAL B1R1

Table 3. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
231.	1591. 63	0. 90	0. 87
232.	1582. 78	0. 91	0. 88
233.	1577. 40	0. 91	0. 88
234.	1573. 29	0. 91	0. 88
235.	1565. 07	0. 92	0. 89
236.	1550. 85	0. 92	0. 89
237.	1551. 80	0. 92	0. 89
238.	1548. 11	0. 92	0. 90
239.	1537. 57	0. 93	0. 90
240.	1528. 41	0. 93	0. 91
241.	1524. 93	0. 94	0. 91
242.	1519. 61	0. 94	0. 91
243.	1513. 55	0. 94	0. 92
244.	1505. 96	0. 95	0. 92
245.	1497. 11	0. 95	0. 92
246.	1488. 57	0. 95	0. 93
247.	1475. 93	0. 96	0. 93
248.	1465. 81	0. 97	0. 94
249.	1461. 39	0. 97	0. 94
250.	1450. 64	0. 97	0. 94
251.	1449. 69	0. 97	0. 95
252.	1448. 43	0. 97	0. 95
253.	1440. 84	0. 98	0. 95
254.	1434. 20	0. 98	0. 96
255.	1431. 99	0. 98	0. 96
256.	1431. 67	0. 98	0. 97
257.	1423. 77	0. 99	0. 97
258.	1420. 93	0. 99	0. 97
259.	1412. 39	0. 99	0. 98
260.	1411. 13	0. 99	0. 98
261.	1413. 34	0. 99	0. 98
262.	1409. 55	0. 99	0. 99
263.	1408. 91	0. 99	0. 99
264.	1406. 70	1. 00	1. 00
265.	1396. 90	1. 00	1. 00

TRIAL B2R1

Table 4. Weight Loss thru Time

TN	WN	RW	RT
0.	3419.02	0.00	0.00
1.	3427.46	-0.00	0.01
2.	3422.03	-0.00	0.01
3.	3421.39	-0.00	0.02
4.	3431.30	-0.01	0.03
5.	3423.94	-0.00	0.03
6.	3417.87	0.00	0.04
7.	3420.75	-0.00	0.05
8.	3416.59	0.00	0.05
9.	3413.39	0.00	0.06
10.	3417.55	0.00	0.07
11.	3413.07	0.00	0.07
12.	3407.96	0.01	0.08
13.	3408.60	0.01	0.09
14.	3410.20	0.00	0.09
15.	3409.24	0.00	0.10
16.	3404.44	0.01	0.11
17.	3400.93	0.01	0.11
18.	3404.12	0.01	0.12
19.	3400.61	0.01	0.13
20.	3400.93	0.01	0.13
21.	3399.65	0.01	0.14
22.	3397.41	0.01	0.15
23.	3401.89	0.01	0.15
24.	3399.33	0.01	0.16
25.	3398.05	0.01	0.17
26.	3375.35	0.02	0.17
27.	3354.57	0.03	0.18
28.	3341.14	0.04	0.19
29.	3332.51	0.04	0.19
30.	3326.44	0.05	0.20
31.	3323.24	0.05	0.21
32.	3313.65	0.05	0.21
33.	3309.49	0.05	0.22
34.	3295.43	0.06	0.23
35.	3281.63	0.07	0.23
36.	3272.41	0.07	0.24
37.	3254.83	0.08	0.25
38.	3247.47	0.08	0.25
39.	3230.21	0.09	0.26
40.	3217.42	0.10	0.27
41.	3211.35	0.10	0.27
42.	3195.36	0.11	0.28
43.	3171.70	0.12	0.29
44.	3176.50	0.12	0.29
45.	3167.23	0.12	0.30
46.	3147.09	0.13	0.31
47.	3132.06	0.14	0.31
48.	3125.03	0.14	0.32
49.	3100.73	0.16	0.33
50.	3066.84	0.17	0.33
51.	3059.81	0.18	0.34
52.	3054.06	0.18	0.35
53.	3017.29	0.20	0.35
54.	3003.66	0.20	0.36
55.	2995.53	0.21	0.37
56.	2981.17	0.21	0.37

TRIAL B2R1

Table 4. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	2963. 18	0. 22	0. 38
58.	2941. 52	0. 23	0. 39
59.	2925. 22	0. 24	0. 39
60.	2913. 39	0. 25	0. 40
61.	2887. 81	0. 26	0. 41
62.	2855. 84	0. 28	0. 41
63.	2849. 45	0. 28	0. 42
64.	2826. 75	0. 29	0. 43
65.	2809. 17	0. 30	0. 43
66.	2799. 26	0. 30	0. 44
67.	2783. 91	0. 31	0. 45
68.	2772. 40	0. 32	0. 45
69.	2748. 11	0. 33	0. 46
70.	2720. 29	0. 34	0. 47
71.	2703. 67	0. 35	0. 47
72.	2690. 24	0. 36	0. 48
73.	2673. 30	0. 37	0. 49
74.	2673. 62	0. 37	0. 49
75.	2642. 61	0. 38	0. 50
76.	2603. 60	0. 40	0. 51
77.	2587. 94	0. 41	0. 51
78.	2567. 80	0. 42	0. 52
79.	2546. 38	0. 43	0. 53
80.	2534. 23	0. 43	0. 53
81.	2492. 67	0. 45	0. 54
82.	2489. 15	0. 46	0. 55
83.	2474. 13	0. 46	0. 55
84.	2446. 95	0. 48	0. 56
85.	2423. 62	0. 49	0. 57
86.	2411. 15	0. 49	0. 57
87.	2366. 07	0. 52	0. 58
88.	2316. 34	0. 54	0. 59
89.	2278. 47	0. 56	0. 59
90.	2251. 09	0. 57	0. 60
91.	2235. 63	0. 58	0. 61
92.	2211. 13	0. 59	0. 61
93.	2193. 75	0. 60	0. 62
94.	2166. 26	0. 61	0. 63
95.	2162. 97	0. 63	0. 63
96.	2118. 31	0. 64	0. 64
97.	2083. 06	0. 65	0. 65
98.	2074. 33	0. 66	0. 65
99.	2039. 02	0. 68	0. 66
100.	2019. 34	0. 69	0. 67
101.	1986. 59	0. 70	0. 67
102.	1958. 14	0. 72	0. 68
103.	1945. 99	0. 72	0. 69
104.	1916. 26	0. 74	0. 69
105.	1881. 73	0. 75	0. 70
106.	1870. 22	0. 76	0. 71
107.	1836. 57	0. 78	0. 71
108.	1824. 19	0. 78	0. 72
109.	1806. 34	0. 79	0. 73
110.	1780. 71	0. 80	0. 73
111.	1757. 37	0. 82	0. 74
112.	1739. 15	0. 82	0. 75
113.	1724. 76	0. 83	0. 75
114.	1713. 57	0. 84	0. 76

TRIAL B2R1

Table 4. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	1705. 26	0. 64	0. 77
116.	1690. 23	0. 65	0. 77
117.	1676. 49	0. 65	0. 78
119.	1657. 30	0. 66	0. 79
119.	1654. 75	0. 67	0. 79
120.	1636. 20	0. 67	0. 80
121.	1627. 25	0. 68	0. 81
122.	1617. 98	0. 68	0. 81
123.	1589. 65	0. 90	0. 82
124.	1576. 34	0. 90	0. 83
125.	1561. 54	0. 90	0. 83
126.	1574. 30	0. 90	0. 84
127.	1566. 51	0. 91	0. 85
128.	1537. 74	0. 92	0. 85
129.	1525. 59	0. 93	0. 86
130.	1514. 08	0. 93	0. 87
131.	1497. 78	0. 94	0. 87
132.	1486. 59	0. 95	0. 88
133.	1491. 70	0. 95	0. 89
134.	1491. 70	0. 95	0. 89
135.	1472. 52	0. 95	0. 90
136.	1473. 60	0. 95	0. 91
137.	1474. 44	0. 95	0. 91
138.	1471. 56	0. 96	0. 92
139.	1461. 97	0. 96	0. 93
140.	1455. 26	0. 96	0. 93
141.	1455. 90	0. 96	0. 94
142.	1445. 67	0. 97	0. 95
143.	1443. 43	0. 97	0. 95
144.	1445. 65	0. 97	0. 96
145.	1434. 46	0. 97	0. 97
146.	1426. 72	0. 98	0. 97
147.	1405. 38	0. 99	0. 98
148.	1398. 99	0. 99	0. 99
149.	1394. 19	0. 99	0. 99
150.	1360. 77	1. 00	1. 00

Table 5. Dosage Measurement

TRIAL: B2P1 (DP1-G01), 25 JAN 78, 12:34:00, HC SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG.MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	1314.48
2	.00	1.00	.00	1777.49
3	.00	2.00	.00	1761.68
4	.00	3.00	.00	1490.65
5	.00	4.00	.00	1219.62
6	.00	5.00	.00	677.57
7	.00	6.00	.00	388.47
8	.00	7.00	.00	196.83
9	.00	8.00	.00	5.19
10	.00	9.00	.00	2.71

DOSAGE ALONG SIGHT LINE = 8834.69 (MG.MIN/M\*\*2)

Table 6. Concentration thru Time

TRIAL E2R1(DP1-CD1), 25 JAN 78, 12:34:00, HC SMOKE

TIME SECC	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.1	1	0	0	0	0	0	0	0	0	0	0	0
3.2	55	0	0	2	13	4	29	3	3	0	0	0
4.3	56	8	0	2	7	0	10	10	4	0	0	5
5.3	26	2	0	2	5	0	8	4	0	0	0	1
6.4	13	0	0	2	6	0	4	0	0	0	0	0
7.5	7	0	1	3	1	0	0	0	0	0	0	0
8.5	31	7	11	9	0	0	3	0	0	0	0	0
9.6	106	39	8	7	14	3	22	5	5	0	0	0
10.6	137	8	0	2	6	0	17	65	14	0	0	0
11.7	99	0	0	3	33	2	28	19	12	0	0	0
12.9	43	0	0	6	21	0	14	0	0	0	0	0
13.3	24	0	0	5	16	0	2	0	0	0	0	0
14.9	34	0	4	18	10	0	0	0	0	0	0	0
16.0	64	0	33	30	0	0	0	0	0	0	0	0
17.0	61	0	29	29	1	0	0	0	0	0	0	0
18.1	157	0	57	80	4	0	1	2	0	0	0	0
19.1	192	0	61	49	38	1	20	1	0	0	0	0
20.2	191	0	37	37	104	2	10	0	0	0	0	0
21.3	131	8	23	26	68	0	4	0	0	0	0	0
22.3	165	21	66	58	18	0	0	0	0	0	0	0
23.4	159	0	61	70	7	0	0	0	0	0	0	0
24.5	158	8	82	54	8	0	3	0	0	0	0	0
25.5	162	0	85	45	30	0	1	0	0	0	0	0
26.6	137	0	64	38	33	0	1	0	0	0	0	0
27.6	156	0	44	19	92	0	0	0	0	0	0	0
28.7	292	0	159	100	20	0	2	0	0	0	0	0
29.8	2107	0	1115	847	142	0	1	0	0	0	0	0
30.8	2754	0	1459	1135	129	0	2	27	0	0	0	0
31.9	3507	1	1340	1050	672	90	292	58	0	0	0	0
33.0	3516	0	1694	1392	344	30	53	1	0	0	0	0
34.0	2684	23	1354	1127	166	6	6	0	0	0	0	0
35.1	2251	0	1014	879	350	6	0	0	0	0	0	0
36.1	2441	0	805	868	659	33	69	4	0	0	0	0
37.2	1982	0	774	923	251	12	19	0	0	0	0	0
38.3	1691	0	802	621	249	6	12	0	0	0	0	0
39.3	2302	0	692	669	913	9	16	0	0	0	0	0
40.4	2955	14	761	1227	879	28	44	0	0	0	0	0
41.5	3385	0	1524	1267	464	10	107	10	0	0	0	0
42.5	3689	0	1624	1072	786	28	176	0	0	0	0	0
43.6	3218	1	1393	1042	658	19	102	0	0	0	0	0
44.6	2624	0	1352	1026	218	2	24	0	0	0	0	0
45.7	2654	0	1502	928	204	1	17	0	0	0	0	0
46.8	2448	0	1456	871	118	0	2	0	0	0	0	0

Table 6. Concentration thru Time (Cont.)

TRIAL 22R1(DF1-CC1), 21 JAN 78, 12:34:00, HC 510PE

TIME SECS	CL *C/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
47.8	2108	0	1756	766	65	0	0	0	0	0	0	0
48.9	1319	0	951	340	29	0	0	0	0	0	0	0
50.0	1622	2	916	741	161	0	0	0	0	0	0	0
51.0	2629	18	840	1601	145	7	15	0	0	0	0	0
52.1	3691	28	1521	1472	633	8	25	0	0	0	0	0
53.1	3681	18	1530	1760	285	7	57	20	0	0	0	0
54.2	4906	0	2260	1570	564	59	322	9	0	0	0	0
55.3	4755	0	1959	1594	920	74	84	69	152	0	0	0
56.3	5284	2	1481	1546	738	55	466	379	608	5	0	0
57.4	2965	0	831	683	837	62	353	128	64	2	0	0
58.5	2575	0	317	447	1200	128	424	57	2	1	0	0
59.5	3180	0	234	724	1506	156	536	20	0	0	0	0
60.5	3007	0	376	610	1667	64	207	77	2	0	0	0
61.6	2645	3	338	558	1222	63	296	53	2	0	0	0
62.7	3999	22	926	1350	1401	84	212	1	0	0	0	0
63.8	3387	0	739	1495	893	40	147	69	0	0	0	0
64.8	5610	0	1194	1288	1274	83	627	606	509	27	0	0
65.9	4466	20	1304	1139	641	91	428	436	376	27	0	0
67.0	4674	23	1020	838	829	87	514	805	541	13	0	0
68.0	3718	0	523	656	333	140	713	525	297	15	12	0
69.1	2652	0	257	417	1070	114	437	242	100	6	4	0
70.1	3041	20	258	501	1599	165	428	57	7	2	0	0
71.2	2677	50	144	311	1050	110	646	50	309	3	0	0
72.3	2640	40	142	147	766	94	694	305	441	6	0	0
73.3	1940	22	66	269	989	69	413	64	22	2	0	0
74.4	1730	5	153	249	391	84	142	211	531	9	0	0
75.5	2352	16	460	350	797	73	222	187	214	7	21	0
76.5	3325	0	335	443	1263	118	543	323	214	26	55	0
77.6	4698	0	885	979	1025	156	862	513	253	13	6	0
78.6	3545	0	1014	868	844	149	568	70	20	5	5	0
79.7	3415	0	1046	910	962	86	391	15	2	0	0	0
80.8	3187	0	734	905	998	84	392	11	0	0	0	0
81.8	4013	7	1012	1271	970	58	297	369	25	0	0	0
82.9	4372	28	1540	1448	698	82	279	181	13	0	0	0
84.0	5272	13	1963	1608	721	77	326	326	234	0	0	0
85.0	6936	0	1171	842	1022	187	1132	1571	880	12	14	0
86.1	3762	0	573	310	739	178	793	960	180	12	12	0
87.1	4798	0	735	1039	1203	195	1115	378	120	5	4	0
88.2	3250	0	814	690	578	127	855	141	39	1	0	0
89.3	2448	0	225	538	964	81	337	295	4	0	0	0
90.3	2533	14	425	500	752	123	514	187	15	0	0	0
91.4	2408	0	255	436	849	132	624	107	2	0	0	0
92.5	3275	0	754	1234	698	99	362	103	23	0	0	0
93.5	4053	0	1086	913	1321	136	511	170	12	0	0	0
94.6	4231	14	1663	1110	1027	86	196	62	69	0	0	0

Table 6. Concentration thru Time (Cont.)

TRIAL (2R1(DF1-001), 2: JAN 76, 12:34:00, PG SICK

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
95.0	6789	24	2083	1501	1406	141	606	634	387	4	0
96.7	6039	33	1626	986	1024	204	656	929	665	8	4
97.9	4793	12	708	1165	1721	151	211	636	181	3	3
98.8	5413	0	1521	2012	1556	130	138	45	9	1	0
99.9	4525	0	2141	2062	277	10	31	2	0	0	0
101.0	4402	0	1946	1718	473	25	133	104	0	0	0
102.0	3984	0	1334	1099	487	81	384	500	95	0	0
103.1	4807	0	1769	915	1485	93	296	291	56	0	0
104.1	2478	0	759	762	700	31	180	40	2	0	0
105.2	2418	0	832	988	437	42	132	36	0	0	0
106.3	3324	0	810	1029	1205	114	149	14	0	0	0
107.3	3242	0	799	1271	915	42	175	47	0	0	0
108.4	3085	5	691	1402	868	51	75	0	0	0	0
109.5	2789	0	780	1367	614	12	14	0	0	0	0
110.5	3847	0	1549	1607	613	38	39	0	0	0	0
111.6	4232	0	1659	1699	749	25	79	29	0	0	0
112.6	4797	0	1564	1636	964	61	170	227	172	0	0
113.7	5199	0	2024	1613	1168	39	66	107	169	0	0
114.9	5434	10	1914	1561	953	122	492	372	6	0	0
115.8	3442	0	1280	574	523	127	835	83	17	0	0
116.9	3221	0	460	257	758	93	618	516	502	12	0
118.0	2163	0	145	279	564	56	232	704	173	5	0
119.0	2623	0	79	73	657	72	562	934	241	3	0
120.1	2514	0	161	560	552	56	414	560	100	7	0
121.1	3062	0	278	626	1191	157	607	150	47	3	0
122.2	3204	0	372	730	845	129	1067	82	7	0	0
123.3	2364	0	256	505	282	95	1032	155	56	0	0
124.3	1933	0	124	75	76	55	662	810	128	0	0
125.4	1632	0	33	30	104	69	699	662	32	0	0
126.5	1752	0	36	235	728	83	567	127	4	0	0
127.5	2752	4	161	336	646	90	788	439	259	2	0
128.5	2100	0	253	452	181	50	427	301	403	19	0
129.5	1565	0	231	181	139	75	438	357	131	10	0
130.7	2453	0	125	231	550	108	791	573	69	3	0
131.9	2212	0	141	232	939	130	651	106	8	1	0
132.9	1346	0	116	162	422	97	536	203	405	2	0
133.9	1246	0	105	142	326	43	276	204	143	2	0
135.0	1230	0	249	344	513	10	58	44	7	0	0
136.0	759	0	207	259	256	4	27	3	0	0	0
137.1	818	0	261	401	143	1	10	0	0	0	0
138.1	1055	0	545	298	204	0	6	0	0	0	0
139.2	944	0	318	312	203	0	8	1	0	0	0
140.3	1165	0	290	499	353	13	8	0	0	0	0
141.3	1045	0	396	382	256	7	3	0	0	0	0
142.4	990	0	221	315	366	38	48	0	0	0	0

Table 6. Concentration thru Time (Cont.)

TRIAL 12P1(OP1-001), 25 JAN 91, 12:34:00, HC S1KE

TIME SEC	CL NO/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.5	1284	0	155	326	710	13	37	0	0	0	0
144.5	1448	12	218	323	866	10	16	0	0	0	0
145.6	1522	25	243	622	596	10	25	0	0	0	0
146.6	1410	0	599	609	204	2	4	0	0	0	0
147.7	2077	0	932	812	322	8	1	0	0	0	0
148.8	2951	0	1339	1236	310	8	5	0	0	0	0
149.8	1765	0	971	657	134	0	0	0	0	0	0
150.9	2825	0	978	1337	484	11	4	8	0	0	0
152.0	2041	11	837	460	558	28	119	24	0	0	0
153.0	1343	7	342	366	548	29	49	0	0	0	0
154.1	1640	10	425	507	468	39	138	11	38	0	0
155.1	1581	0	271	343	444	42	239	149	91	0	0
156.2	1617	0	174	256	373	42	342	314	108	2	3
157.3	1391	0	154	423	476	45	246	33	7	0	2
158.3	1032	0	132	193	385	50	268	4	0	0	0
159.4	683	0	53	85	272	42	229	0	0	0	0
160.5	706	0	19	52	343	42	192	25	30	0	0
161.5	514	0	13	69	183	13	103	102	29	0	0
162.6	559	0	12	17	113	8	185	179	41	0	0
163.6	627	1	4	17	293	24	246	31	6	0	0
164.7	392	15	23	32	434	43	165	84	92	0	0
165.8	2319	28	178	127	477	72	695	508	232	0	0
166.8	1688	48	44	26	214	80	732	306	226	0	0
167.9	330	36	35	66	274	39	362	67	48	0	0
169.0	984	32	127	179	372	27	237	5	2	0	0
170.0	633	38	139	156	210	7	79	1	0	0	0
171.1	627	39	68	201	268	7	40	0	0	0	0
172.1	1035	14	127	392	364	26	108	0	0	0	0
173.2	936	0	210	280	321	24	97	0	0	0	0
174.3	754	0	145	243	311	16	37	0	0	0	0
175.3	946	0	447	382	108	2	3	0	0	0	0
176.4	1239	0	543	522	169	0	3	0	0	0	0
177.5	911	0	381	349	123	2	39	14	0	0	0
178.5	1012	0	230	354	197	20	134	75	0	0	0
179.6	817	0	245	287	82	16	177	7	0	0	0
180.6	578	0	194	205	92	7	76	1	0	0	0
181.7	408	0	187	158	41	2	19	0	0	0	0
182.8	822	0	397	231	166	6	20	0	0	0	0
183.8	682	0	341	216	104	7	12	0	0	0	0
184.9	649	0	336	153	107	0	0	0	0	0	0
186.0	487	0	316	131	38	0	0	0	0	0	0
187.0	393	0	218	79	92	1	0	0	0	0	0
188.1	267	0	112	68	72	0	12	0	0	0	0
189.1	302	0	62	97	97	4	32	3	0	0	0
190.2	231	0	63	92	66	0	5	2	0	0	0

Table 6. Concentration thru Time (Conc.)

TRIAL 02R1(DP1-001), 21 JAN 71, 12:34:00, FC 51MC

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
191.7	135	0	62	61	11	0	0	0	0	0	0	0
192.3	90	0	39	31	18	0	0	0	0	0	0	0
193.4	45	0	14	20	5	0	1	0	2	0	0	0
194.5	23	0	6	8	4	0	2	1	0	0	0	0
195.5	18	0	0	6	6	0	4	0	0	0	0	0
196.6	16	7	0	7	0	0	0	0	0	0	0	0
197.0	9	0	1	5	2	0	0	0	0	0	0	0
199.7	4	0	0	4	0	0	0	0	0	0	0	0
199.8	3	0	0	3	0	0	0	0	0	0	0	0
200.8	2	0	0	2	0	0	0	0	0	0	0	0
201.9	2	0	0	2	0	0	0	0	0	0	0	0
203.0	2	0	0	2	0	0	0	0	0	0	0	0
204.0	2	0	0	2	0	0	0	0	0	0	0	0
205.1	2	0	0	2	0	0	0	0	0	0	0	0
206.1	2	0	0	2	0	0	0	0	0	0	0	0
207.2	2	0	0	2	0	0	0	0	0	0	0	0
208.3	2	0	0	2	0	0	0	0	0	0	0	0
209.3	2	0	0	2	0	0	0	0	0	0	0	0
210.4	2	0	0	2	0	0	0	0	0	0	0	0
211.5	2	0	0	2	0	0	0	0	0	0	0	0
212.5	1	0	0	1	0	0	0	0	0	0	0	0
213.6	1	0	0	1	0	0	0	0	0	0	0	0
214.6	1	0	0	1	0	0	0	0	0	0	0	0
215.7	0	0	0	0	0	0	0	0	0	0	0	0
216.8	0	0	0	0	0	0	0	0	0	0	0	0
217.8	1	0	0	1	0	0	0	0	0	0	0	0
218.9	2	0	0	2	0	0	0	0	0	0	0	0
220.0	2	0	0	2	0	0	0	0	0	0	0	0
221.0	2	0	0	2	0	0	0	0	0	0	0	0
222.1	2	0	0	2	0	0	0	0	0	0	0	0
223.1	2	0	0	2	0	0	0	0	0	0	0	0
224.2	2	0	0	2	0	0	0	0	0	0	0	0
225.3	2	0	0	2	0	0	0	0	0	0	0	0
226.3	2	0	0	2	0	0	0	0	0	0	0	0
227.4	1	0	0	1	0	0	0	0	0	0	0	0
228.4	0	0	0	0	0	0	0	0	0	0	0	0
229.5	0	0	0	0	0	0	0	0	0	0	0	0
230.6	1	0	0	1	0	0	0	0	0	0	0	0
231.6	1	0	0	1	0	0	0	0	0	0	0	0
232.7	0	0	0	0	0	0	0	0	0	0	0	0
233.8	0	0	0	0	0	0	0	0	0	0	0	0
234.8	1	0	0	1	0	0	0	0	0	0	0	0
235.9	1	0	0	1	0	0	0	0	0	0	0	0
236.9	1	0	0	1	0	0	0	0	0	0	0	0
238.0	1	0	0	1	0	0	0	0	0	0	0	0

Table 7. Dosage Measurement

TRIAL 11R1(OP1-001), 25 JAN 78, 11:57:00, HC S43KE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	71.92
2	.00	1.00	.00	172.61
3	.00	2.00	.00	455.49
4	.00	3.00	.00	869.02
5	.00	4.00	.00	1282.55
6	.00	5.00	.00	1702.08
7	.00	6.00	.00	1515.09
8	.00	7.00	.00	1020.05
9	.00	8.00	.00	525.01
10	.00	9.00	.00	335.62

DOSAGE ALONG SIGHT LINE= 7949.44 (MG. MIN/M\*\*3)

Table 8. Concentration thru Time

TRIA. 31R1(JP1-001), 25 JAN 78, 11:57:00, H: SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	14	14	0	0	0	0	0	0	0	0	0	0
1.1	6	6	0	0	0	0	0	0	0	0	0	0
2.2	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0
4.3	1	0	1	0	0	0	0	0	0	0	0	0
5.4	1	0	1	0	0	0	0	0	0	0	0	0
6.4	1	0	1	0	0	0	0	0	0	0	0	0
7.5	1	0	1	0	0	0	0	0	0	0	0	0
8.5	1	0	1	0	0	0	0	0	0	0	0	0
9.6	6	0	3	0	0	0	0	0	0	0	0	0
10.7	44	0	0	0	0	0	0	0	0	2	0	0
11.7	23	16	0	0	0	0	0	17	14	5	5	0
12.8	28	24	0	0	0	0	0	0	2	2	1	0
13.9	24	20	0	0	0	0	0	0	0	1	1	0
14.9	37	14	0	0	0	0	0	0	0	2	0	0
16.0	63	18	0	0	0	0	0	0	6	13	1	0
17.0	105	24	0	0	1	0	0	4	17	15	4	1
18.1	123	8	0	9	23	4	39	9	1	1	1	2
19.2	105	22	0	23	41	3	58	2	0	0	0	0
20.2	187	26	2	69	22	1	33	2	0	0	0	0
21.3	135	5	2	24	50	4	30	1	1	0	0	0
22.4	82	0	0	7	20	4	44	19	14	0	0	0
23.4	143	39	0	2	6	0	23	36	8	0	0	0
24.5	223	21	0	4	45	6	38	10	0	0	0	0
25.5	198	47	1	8	60	12	66	45	8	1	0	0
26.6	341	33	4	15	49	7	34	17	19	12	0	0
27.7	535	59	4	11	90	16	144	23	5	7	1	1
28.7	1226	42	1	10	27	15	104	172	108	31	0	0
29.8	1340	60	1	6	6	26	257	388	313	168	10	10
30.9	1060	34	1	7	0	1	68	425	557	202	15	15
31.9	2360	18	10	446	132	53	339	265	170	53	1	1
33.0	1325	0	22	100	67	27	602	296	169	16	0	0
34.0	980	14	7	24	292	38	504	75	16	6	1	1
35.1	1431	12	4	176	597	48	405	180	3	1	0	0
36.2	742	0	11	155	188	7	192	137	36	12	0	0
37.2	713	0	5	91	51	4	194	239	41	47	38	38
38.3	370	45	0	31	70	7	68	26	8	35	74	74
39.4	358	35	0	11	23	0	17	5	17	90	154	154
40.4	291	19	0	7	6	0	9	9	83	119	36	36
41.5	555	12	0	0	1	0	1	78	244	183	31	31
42.5	265	18	0	0	0	0	0	14	52	103	75	75
43.6	185	9	0	0	0	0	0	0	10	50	113	113
44.7	168	0	0	0	0	0	0	0	1	23	143	143
45.7	302	0	0	0	0	0	0	3	33	32	41	192
46.8	607	0	0	0	6	7	354	130	22	18	67	67

Table 8. Concentration thru Time (Cont.)

TRIAL BR1 (DF1-001), 21 JAN 71, 11:57:00, HC SPCHE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.9	1069	0	0	0	20	17	595	314	108	5	6
48.9	885	0	0	0	2	32	476	237	120	13	1
50.0	1136	0	0	0	0	14	275	167	229	262	187
51.0	475	0	2	0	0	2	12	6	86	183	181
52.1	396	0	0	0	0	0	2	49	121	118	103
53.2	554	0	0	0	0	0	4	80	177	212	78
54.2	551	0	3	0	0	0	1	12	46	212	274
55.3	502	0	1	0	0	0	0	13	44	201	241
56.4	733	0	1	0	0	0	0	6	134	153	436
57.4	449	0	1	0	0	0	0	23	66	166	191
58.5	885	0	3	0	0	0	0	254	232	166	228
59.5	542	1	1	0	0	0	9	182	174	119	52
60.6	851	0	1	0	0	0	126	478	175	56	13
61.7	1336	0	1	0	0	0	255	705	344	23	6
62.7	1254	0	0	0	0	0	52	519	611	62	6
63.8	1149	0	0	0	0	0	133	234	510	164	106
64.9	1532	0	0	0	2	25	575	489	284	123	30
65.9	1291	0	0	0	19	61	845	276	29	55	3
67.0	1630	0	0	0	15	30	339	580	390	269	2
68.0	789	0	0	4	0	2	35	73	301	313	58
69.1	1269	0	0	1	0	0	33	479	313	291	150
70.2	1878	0	0	5	1	0	40	133	472	405	818
71.2	1450	0	0	7	0	0	27	193	128	422	671
72.3	1652	0	0	3	0	0	221	417	541	353	115
73.4	893	0	0	0	0	0	27	233	358	258	15
74.4	1226	0	0	0	20	28	690	92	174	213	8
75.5	1479	0	0	0	36	36	1007	267	25	102	2
76.5	2076	16	0	0	85	32	730	925	344	40	1
77.6	1579	0	0	1	14	1	173	709	528	140	10
78.7	1649	0	0	7	0	0	419	694	345	155	26
79.7	1241	0	0	6	2	4	155	553	243	129	145
80.8	1065	0	0	9	6	4	247	371	157	103	165
81.9	940	0	0	10	0	12	382	330	114	37	52
82.9	1299	0	0	2	0	0	87	796	239	127	44
84.0	1105	0	0	0	0	0	73	334	395	229	72
85.0	1547	0	0	0	0	0	125	1045	278	73	23
86.1	2028	0	0	0	0	0	298	1271	385	66	6
87.2	2417	0	0	0	0	0	162	570	1179	434	70
88.2	1772	0	0	0	0	0	60	399	755	328	228
89.3	877	0	2	0	0	0	17	179	385	154	138
90.4	1565	0	0	0	0	1	148	428	385	447	152
91.4	1587	0	1	0	0	0	136	365	537	454	91
92.5	699	0	1	0	0	0	22	23	71	261	319
93.5	914	0	3	0	0	0	4	43	97	360	405
94.6	358	0	0	0	0	0	0	2	30	141	184

Table 8. Concentration thru Time (Cont.)

TRIAL E1R1(DP1-G01), 21 JAN 78, 11:57:00, KC S1KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
95.7	372	0	0	0	0	0	0	2	75	80	215
96.7	1310	0	0	0	0	0	0	308	338	342	321
97.8	1431	0	0	0	0	0	24	273	521	361	249
98.9	2084	0	0	0	1	0	98	732	705	429	117
99.9	1706	0	0	0	0	0	40	505	980	254	25
101.0	2190	0	0	0	0	30	683	765	516	179	16
102.0	2022	0	0	0	6	29	480	592	757	152	3
103.1	902	0	0	0	0	1	84	126	378	125	186
104.2	606	0	0	0	0	0	6	205	132	97	164
105.2	913	0	0	0	0	0	28	172	392	240	78
106.3	241	0	0	0	0	0	0	4	47	85	103
107.4	179	0	0	0	0	0	0	0	4	44	129
108.4	474	0	0	0	0	0	0	0	7	80	386
109.5	244	0	0	0	0	0	0	0	1	56	186
110.5	193	0	0	0	0	0	0	0	0	16	177
111.6	411	0	0	0	0	0	0	0	0	27	384
112.7	569	0	0	0	0	0	0	14	39	71	443
113.7	671	0	1	0	0	0	0	8	68	136	456
114.8	828	0	1	0	0	0	0	0	42	150	633
115.9	1000	0	0	0	0	0	0	0	22	229	747
116.9	717	0	0	0	0	0	0	1	14	222	477
118.0	790	0	0	0	0	0	0	41	121	274	352
119.0	1905	0	0	0	0	0	0	377	1104	747	74
120.1	882	10	0	0	0	0	18	183	475	178	15
121.2	804	34	0	0	0	13	360	272	65	63	4
122.2	1483	40	0	0	210	12	479	204	273	180	81
123.3	2382	8	0	7	101	47	493	530	718	285	188
124.4	3704	13	17	250	848	145	1020	739	446	179	33
125.4	2761	24	77	401	337	98	639	901	216	54	7
126.5	2841	27	88	123	202	66	311	1141	656	220	2
127.5	1275	16	25	22	54	25	108	684	233	101	1
128.6	2665	68	5	16	631	105	1033	670	74	57	0
129.7	2447	33	7	55	429	50	1161	548	136	23	0
130.7	2201	9	18	238	487	103	1125	177	32	7	0
131.8	2020	27	30	87	618	125	660	302	138	25	3
132.9	1439	62	7	43	125	25	339	456	286	73	19
133.9	2409	37	7	79	706	72	463	746	218	73	3
135.0	2279	28	5	47	219	27	340	1066	302	238	4
136.0	2840	26	2	24	53	19	420	915	926	425	15
137.1	2041	10	1	40	544	60	641	423	197	119	3
138.2	2516	56	4	38	910	105	711	406	227	53	0
139.2	2150	73	77	212	725	42	619	317	63	17	0
140.3	2435	56	137	261	312	44	812	542	227	30	10
141.4	2207	52	60	134	158	53	583	532	345	178	107
142.4	1787	29	9	28	129	38	832	481	156	56	25

Table 8. Concentration thru Time (Cont.)

TRIAL E1R1(DF1-C01), 2: LAN 71, 11:57:00, HC SPIKE

TIME SECS	CL PC/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.5	3085	15	3	20	248	79	842	795	866	701	12
144.5	1927	0	1	20	130	19	146	397	796	310	2
145.6	1201	0	4	15	47	11	249	388	392	90	1
146.7	2179	0	2	58	757	100	503	482	230	43	0
147.7	2980	0	17	451	991	88	532	723	156	18	0
148.8	2731	0	450	846	945	64	287	114	17	4	0
149.9	3129	5	480	1126	529	136	579	108	81	3	0
150.9	3079	0	217	756	652	140	1122	408	165	14	0
152.0	3197	0	82	204	856	127	913	500	500	13	0
153.0	1873	0	31	84	179	22	549	820	174	10	0
154.1	1822	0	8	71	447	97	706	386	92	12	0
155.2	2146	0	1	31	244	133	941	491	291	9	0
156.2	2251	0	0	25	834	119	928	131	205	6	0
157.3	1991	0	0	16	248	47	624	650	329	59	14
158.4	1573	0	2	14	104	23	302	461	284	238	140
159.4	949	0	3	20	75	8	192	148	228	113	158
160.5	1712	0	3	23	172	80	985	314	77	38	17
161.5	1804	0	4	78	798	149	626	104	18	18	5
162.6	1609	0	2	20	569	170	684	148	4	9	1
163.7	2835	0	3	177	1279	101	667	503	97	5	0
164.7	3915	0	60	732	1336	98	954	490	230	11	0
165.8	3568	0	67	251	986	99	1405	683	69	4	0
166.9	3675	0	30	276	930	144	1406	804	81	1	0
167.9	4111	0	172	1045	1032	181	1411	236	29	1	0
169.0	3576	0	300	1477	441	70	797	339	147	1	0
170.0	3181	0	211	408	766	89	636	545	517	5	0
171.1	3518	38	124	503	587	104	1617	447	91	6	0
172.2	3912	49	41	360	770	212	1662	711	96	7	0
173.2	4008	52	35	377	885	67	1087	989	451	60	1
174.3	3601	43	175	676	1023	143	880	418	204	33	0
175.4	3912	33	228	509	850	97	1339	703	121	36	0
176.4	2045	0	73	193	186	68	967	250	192	99	2
177.5	1440	9	11	61	457	58	406	334	66	33	1
178.5	2109	36	223	218	901	106	497	63	44	16	0
179.6	2292	0	371	461	216	74	558	354	119	135	0
180.7	1858	0	97	81	65	8	643	589	266	105	0
181.7	2549	34	18	38	35	33	1126	919	299	42	1
182.8	2117	25	0	10	50	19	679	878	379	54	17
183.9	1649	18	0	11	32	5	220	954	335	49	19
184.9	1215	31	0	10	3	0	75	505	355	180	53
186.0	660	0	0	5	0	0	4	11	35	327	276
187.0	1153	0	1	0	0	0	0	59	268	480	342
188.1	2869	0	0	0	0	3	410	937	912	403	201
189.2	3050	5	3	0	0	66	1326	935	442	187	83
190.2	3606	0	1	0	16	89	1451	1223	680	122	21

Table 8. Concentration thru Time (Cont.)

TRIAL E1R1(DF1-001), 21 JAN 71, 11:57:00, HC S1CKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
191.3	2889	0	1	33	171	123	1257	943	275	76	5
192.4	1650	0	5	28	17	11	230	927	319	104	6
193.4	2192	0	1	17	5	2	130	466	1022	479	65
194.5	1834	0	0	71	451	81	482	327	166	197	55
195.5	2853	0	71	463	1019	148	782	302	27	33	5
196.6	3099	30	26	115	1228	155	940	331	248	19	3
197.7	2331	9	26	444	318	22	144	253	895	204	13
198.7	1818	0	40	336	138	20	765	162	97	223	34
199.8	2178	21	21	159	1015	133	626	86	21	87	5
200.9	1162	15	7	20	395	65	417	138	50	52	1
201.9	2542	18	0	13	68	24	667	1059	409	248	31
202.0	3302	3	2	29	47	18	1423	756	337	281	402
204.0	1432	0	1	14	19	2	779	391	83	70	70
205.1	2546	0	0	5	15	19	733	1488	213	46	21
206.2	1117	0	1	6	18	12	162	135	259	407	113
207.2	882	3	3	0	0	0	10	16	192	508	146
208.3	1081	31	1	1	0	0	2	17	149	494	383
209.4	1093	15	1	0	0	0	15	98	109	315	536
210.4	1582	0	0	0	0	0	109	763	460	157	91
211.5	2248	29	0	0	0	5	297	1209	593	98	25
212.5	2781	66	0	0	4	50	708	912	672	274	92
213.6	2704	58	0	0	1	3	186	670	985	624	174
214.7	2614	40	0	0	0	0	129	535	1229	619	59
215.7	3535	47	0	6	740	52	796	1254	381	243	10
216.8	2263	7	0	18	445	69	1114	472	59	72	2
217.9	2794	34	0	23	474	209	1691	302	37	19	0
218.9	2646	23	519	608	491	78	794	118	12	8	0
220.0	6640	34	1794	2592	819	109	1003	275	8	3	0
221.0	4819	53	949	1364	1621	96	498	213	21	1	0
222.1	4339	41	609	1173	1543	114	562	275	17	1	0
223.2	3115	37	315	860	303	88	1004	466	38	1	0
224.2	3319	33	392	380	475	107	1282	611	35	1	0
225.3	2807	17	229	394	397	50	633	1050	33	1	0
226.4	2659	31	82	228	540	89	1464	215	7	0	0
227.4	2004	66	22	45	199	213	1179	188	85	2	0
228.5	2935	66	3	24	643	129	1331	455	272	6	0
229.5	2191	74	0	39	352	96	989	460	157	15	3
230.5	1999	56	0	37	874	234	642	124	17	7	3
231.7	3105	16	2	54	1519	236	1166	93	10	3	0
232.7	3034	18	5	204	455	117	1078	567	248	117	220
233.9	3460	33	40	601	345	33	549	967	533	308	47
234.9	2645	22	84	331	143	24	678	812	370	167	9
235.9	1881	41	24	36	43	1	156	576	595	283	121
237.0	1787	65	4	20	79	7	85	451	754	259	59
238.0	2302	68	27	318	478	11	136	652	452	146	10

Table 8. Concentration thru Time (Cont.)

TRIAL 11R1(DP1-001), 21 JAN 73, 11:57:00, 40 S/DKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
239.1	2701	35	412	661	784	44	240	378	151	39	1
240.2	2278	23	159	150	204	45	622	671	364	33	0
241.2	1767	17	29	97	285	36	440	459	357	43	1
242.3	1583	22	3	28	52	8	273	559	577	52	4
243.4	829	43	0	11	19	2	103	317	266	64	1
244.4	865	23	0	7	6	0	95	371	201	109	49
245.5	1150	43	0	1	1	0	123	406	192	126	255
246.5	1786	51	0	1	12	19	525	939	193	83	59
247.6	1814	45	0	7	34	21	346	776	542	22	17
248.7	2307	6	0	1	16	23	430	789	937	96	4
249.7	1754	0	0	4	24	73	892	492	208	55	2
250.8	1598	0	0	23	122	75	687	284	266	52	84
251.8	634	0	1	112	37	9	58	24	64	145	181
252.9	710	0	3	28	8	0	8	16	145	235	263
254.0	926	0	2	14	2	0	2	131	291	289	192
255.0	751	30	1	7	0	0	0	29	219	254	208
256.1	796	43	1	3	0	0	209	40	115	144	236
257.2	1331	42	3	0	0	1	458	329	374	87	33
258.2	827	38	1	0	0	0	108	133	336	198	10
259.3	1469	33	1	0	0	0	160	540	518	202	10
260.3	1080	31	0	0	0	0	136	292	409	176	32
261.4	822	14	0	10	7	11	246	98	192	214	36
262.5	844	13	0	25	171	24	307	64	120	110	5
263.5	989	0	0	9	89	36	402	198	198	47	5
264.5	1391	0	0	13	36	33	637	353	282	30	4
265.7	855	0	0	11	13	4	119	138	237	166	163
266.7	755	0	0	6	14	16	233	126	54	126	165
267.8	656	0	0	14	74	12	77	113	190	112	60
268.8	1212	0	0	16	64	25	473	267	285	64	14
269.9	748	0	0	15	35	16	268	136	208	64	2
271.0	393	0	0	10	11	2	189	92	58	25	1
272.0	515	0	0	7	10	1	159	250	67	17	0
273.1	467	0	0	12	3	0	176	187	72	11	4
274.2	390	0	0	20	36	3	84	91	66	43	42
275.2	283	0	4	14	2	0	88	96	39	26	11
276.3	217	0	2	7	0	0	33	57	86	24	6
277.3	145	0	1	5	0	0	1	6	77	44	7
278.4	178	0	1	0	0	0	0	23	40	85	26
279.5	261	0	2	0	0	0	5	58	59	77	58
280.5	130	0	0	0	0	0	0	4	47	57	19
281.6	196	0	0	0	0	0	0	52	72	52	19
282.7	173	23	0	0	0	0	28	23	30	51	16
283.7	166	3	0	0	0	2	104	35	6	10	4
284.8	199	5	0	0	13	1	97	71	4	4	0
285.8	271	9	0	6	0	0	66	151	33	2	0

Table 8. Concentration thru Time (Conc.)

TRIAL 11R1(DF1-QQ1), 21 JAN 71, 11:57:00, HC SICRE

TIME SECS	CL PG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
286.9	116	11	0	0	0	0	5	40	26	30	0
288.0	174	28	0	0	0	0	5	48	68	22	0
289.0	194	40	0	0	0	0	25	93	24	11	0
290.1	130	16	0	0	0	0	79	30	1	1	0
291.2	154	14	0	0	0	2	104	30	3	0	0
292.2	129	0	1	6	16	3	50	34	17	0	0
293.3	78	22	2	4	14	0	18	8	5	0	0
294.3	45	10	1	7	3	0	18	2	0	0	0
295.4	23	0	1	4	0	0	16	0	0	0	0
296.5	10	3	1	0	0	0	2	0	2	0	0
297.5	16	13	0	0	0	0	0	0	1	0	0
298.6	4	1	0	0	0	0	0	2	0	0	0
299.7	19	18	0	0	0	0	0	1	0	0	0
300.7	2	0	0	0	0	0	0	0	0	0	0
301.8	10	10	0	0	0	0	0	0	0	0	0
302.8	0	0	0	0	0	0	0	0	0	0	0
303.9	11	10	0	0	0	0	0	0	0	0	0
305.0	0	0	0	0	0	0	0	0	0	0	0
306.0	2	0	0	0	0	0	0	0	1	0	0
307.1	1	0	0	0	0	0	0	0	0	0	0
308.2	2	0	0	0	0	0	0	0	0	0	0
309.2	36	35	1	0	0	0	0	0	0	0	0
310.3	12	12	0	0	0	0	0	0	0	0	0
311.3	9	5	3	0	0	0	0	0	0	0	0
312.4	15	13	1	0	0	0	0	0	0	0	0
313.5	18	16	1	0	0	0	0	0	0	0	0
314.5	29	27	1	0	0	0	0	0	0	0	0
315.6	14	13	0	0	0	0	0	0	0	0	0
316.7	0	0	0	0	0	0	0	0	0	0	0
317.7	1	0	0	0	0	0	0	0	0	0	1
318.8	0	0	0	0	0	0	0	0	0	0	0
319.8	0	0	0	0	0	0	0	0	0	0	0
320.9	6	5	0	0	0	0	0	0	0	0	0
322.0	0	0	0	0	0	0	0	0	0	0	0
323.0	0	0	0	0	0	0	0	0	0	0	0
324.1	0	0	0	0	0	0	0	0	0	0	0
325.2	36	36	0	0	0	0	0	0	0	0	0
326.2	16	15	0	0	0	0	0	0	0	0	0
327.3	20	20	0	0	0	0	0	0	0	0	0
328.3	13	12	0	0	0	0	0	0	0	0	0
329.4	34	31	2	0	0	0	0	0	0	0	0
330.5	14	13	1	0	0	0	0	0	0	0	0
331.5	26	25	0	0	0	0	0	0	0	0	0
332.6	12	10	1	0	0	0	0	0	0	0	0
333.7	3	0	3	0	0	0	0	0	0	0	0

TRIAL A13

Table 9. Weight Loss thru Time

TN	WN	RW	RT
0.	1986.58	0.00	0.00
1.	1985.25	0.00	0.01
2.	1985.59	0.00	0.02
3.	1984.91	0.00	0.03
4.	1986.27	0.00	0.04
5.	1991.74	-0.00	0.05
6.	1991.74	-0.00	0.06
7.	1991.40	-0.00	0.07
8.	1991.74	-0.00	0.08
9.	1992.43	-0.00	0.08
10.	1991.40	-0.00	0.09
11.	1992.09	-0.00	0.10
12.	1991.40	-0.00	0.11
13.	1990.04	-0.00	0.12
14.	1989.01	-0.00	0.13
15.	1986.96	-0.00	0.14
16.	1984.56	0.00	0.15
17.	1979.44	0.01	0.16
18.	1973.62	0.01	0.17
19.	1965.07	0.02	0.18
20.	1955.16	0.03	0.19
21.	1948.66	0.03	0.20
22.	1941.82	0.04	0.21
23.	1933.96	0.04	0.22
24.	1925.75	0.05	0.23
25.	1916.52	0.06	0.24
26.	1907.29	0.07	0.25
27.	1899.08	0.07	0.25
28.	1887.46	0.08	0.26
29.	1876.17	0.09	0.27
30.	1865.91	0.10	0.28
31.	1857.02	0.11	0.29
32.	1848.35	0.12	0.30
33.	1826.93	0.14	0.31
34.	1812.23	0.15	0.32
35.	1804.03	0.15	0.33
36.	1799.66	0.17	0.34
37.	1771.88	0.18	0.35
38.	1762.99	0.19	0.36
39.	1751.03	0.20	0.37
40.	1738.03	0.21	0.38
41.	1720.94	0.22	0.39
42.	1707.26	0.24	0.40
43.	1695.97	0.25	0.41
44.	1684.35	0.26	0.42
45.	1672.04	0.27	0.42
46.	1651.87	0.28	0.43
47.	1636.82	0.30	0.44
48.	1620.75	0.31	0.45
49.	1604.00	0.32	0.46
50.	1583.48	0.34	0.47
51.	1562.96	0.36	0.48
52.	1547.24	0.37	0.49
53.	1526.72	0.39	0.50
54.	1502.78	0.41	0.51
55.	1483.64	0.43	0.52
56.	1465.88	0.44	0.53

TRIAL A13

Table 9. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
57.	1448.08	0.46	0.54
58.	1429.95	0.47	0.53
59.	1400.55	0.50	0.56
60.	1372.65	0.52	0.57
61.	1359.17	0.53	0.58
62.	1353.02	0.54	0.58
63.	1333.87	0.55	0.59
64.	1313.70	0.57	0.60
65.	1303.10	0.58	0.61
66.	1289.76	0.58	0.62
67.	1280.19	0.59	0.63
68.	1261.36	0.60	0.64
69.	1242.58	0.61	0.65
70.	1225.14	0.63	0.66
71.	1208.38	0.64	0.67
72.	1185.47	0.66	0.68
73.	1168.03	0.68	0.69
74.	1146.83	0.69	0.70
75.	1129.40	0.71	0.71
76.	1116.74	0.72	0.72
77.	1095.55	0.74	0.73
78.	1064.09	0.75	0.74
79.	1042.55	0.78	0.75
80.	1021.85	0.80	0.75
81.	1002.54	0.82	0.76
82.	986.47	0.83	0.77
83.	970.74	0.85	0.78
84.	958.77	0.86	0.78
		0.87	0.79
		0.88	0.80
			0.81

TRIAL A13

Table 9. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
57.	1448.08	0.46	0.54
58.	1429.95	0.47	0.55
59.	1400.55	0.50	0.56
60.	1372.85	0.52	0.57
61.	1359.17	0.53	0.58
62.	1353.02	0.54	0.58
63.	1333.87	0.55	0.59
64.	1313.70	0.57	0.60
65.	1303.10	0.58	0.61
66.	1289.76	0.59	0.62
67.	1280.19	0.60	0.63
68.	1261.38	0.61	0.64
69.	1242.58	0.63	0.65
70.	1225.14	0.64	0.66
71.	1208.38	0.66	0.67
72.	1185.47	0.68	0.68
73.	1168.03	0.69	0.69
74.	1146.83	0.71	0.70
75.	1129.40	0.72	0.71
76.	1116.74	0.74	0.72
77.	1095.55	0.75	0.73
78.	1064.09	0.78	0.74
79.	1042.58	0.80	0.75
80.	1021.35	0.82	0.75
81.	1002.54	0.83	0.76
82.	986.47	0.85	0.77
83.	970.74	0.86	0.78
84.	958.77	0.87	0.79
85.	946.12	0.88	0.80
86.	932.10	0.89	0.81
87.	884.23	0.93	0.82
88.	873.63	0.94	0.83
89.	866.45	0.95	0.84
90.	857.56	0.95	0.85
91.	848.33	0.96	0.86
92.	844.57	0.97	0.87
93.	836.70	0.97	0.88
94.	833.97	0.97	0.89
95.	830.21	0.98	0.90
96.	829.52	0.98	0.91
97.	826.10	0.98	0.92
98.	823.03	0.98	0.92
99.	819.95	0.99	0.93
100.	816.19	0.99	0.94
101.	811.74	0.99	0.95
102.	810.38	0.99	0.96
103.	809.35	1.00	0.97
104.	808.32	1.00	0.98
105.	806.61	1.00	0.99
106.	804.22	1.00	1.00

TRIAL BGR1

Table 10. Weight Loss thru Time

TN	WN	RW	RT
0.	1919. 72	0. 00	0. 00
1.	1910. 32	0. 01	0. 01
2.	1909. 68	0. 01	0. 02
3.	1910. 00	0. 01	0. 03
4.	1908. 10	0. 01	0. 04
5.	1908. 10	0. 01	0. 05
6.	1903. 03	0. 01	0. 06
7.	1903. 03	0. 01	0. 07
8.	1908. 73	0. 01	0. 08
9.	1906. 20	0. 01	0. 09
10.	1905. 56	0. 01	0. 10
11.	1908. 42	0. 01	0. 11
12.	1910. 00	0. 01	0. 12
13.	1912. 22	0. 01	0. 13
14.	1914. 12	0. 00	0. 14
15.	1910. 32	0. 01	0. 15
16.	1910. 64	0. 01	0. 16
17.	1911. 90	0. 01	0. 17
18.	1910. 64	0. 01	0. 18
19.	1915. 71	0. 00	0. 19
20.	1916. 34	0. 00	0. 20
21.	1917. 93	0. 00	0. 21
22.	1915. 71	0. 00	0. 22
23.	1917. 30	0. 00	0. 23
24.	1913. 17	0. 01	0. 24
25.	1914. 44	0. 00	0. 25
26.	1914. 44	0. 00	0. 26
27.	1906. 51	0. 01	0. 27
28.	1897. 63	0. 02	0. 28
29.	1884. 63	0. 03	0. 29
30.	1873. 29	0. 04	0. 30
31.	1871. 63	0. 04	0. 31
32.	1869. 41	0. 04	0. 32
33.	1864. 34	0. 05	0. 33
34.	1855. 77	0. 06	0. 34
35.	1851. 02	0. 06	0. 35
36.	1837. 38	0. 07	0. 36
37.	1827. 87	0. 08	0. 37
38.	1818. 04	0. 09	0. 38
39.	1809. 48	0. 10	0. 39
40.	1799. 64	0. 11	0. 40
41.	1788. 23	0. 12	0. 41
42.	1773. 32	0. 13	0. 42
43.	1764. 44	0. 14	0. 43
44.	1747. 86	0. 15	0. 44
45.	1734. 95	0. 16	0. 45
46.	1720. 05	0. 18	0. 46
47.	1712. 12	0. 18	0. 47
48.	1700. 07	0. 20	0. 48
49.	1681. 04	0. 21	0. 49
50.	1667. 41	0. 22	0. 50
51.	1653. 77	0. 24	0. 50
52.	1639. 50	0. 25	0. 51
53.	1628. 08	0. 26	0. 52
54.	1610. 33	0. 28	0. 53
55.	1595. 74	0. 29	0. 54
56.	1576. 71	0. 31	0. 55

Table 10. Weight Loss thru Time (Conc.)

TRIAL B3R1

TN	WN	RW	RT
57.	1571.52	0.31	0.56
58.	1549.12	0.33	0.57
59.	1532.63	0.34	0.58
60.	1514.24	0.36	0.59
61.	1492.99	0.38	0.60
62.	1473.96	0.40	0.61
63.	1455.57	0.41	0.62
64.	1439.72	0.43	0.63
65.	1420.69	0.44	0.64
66.	1395.00	0.47	0.65
67.	1377.88	0.48	0.66
68.	1358.22	0.50	0.67
69.	1344.26	0.51	0.68
70.	1314.77	0.54	0.69
71.	1294.79	0.56	0.70
72.	1271.64	0.58	0.71
73.	1245.96	0.60	0.72
74.	1223.76	0.62	0.73
75.	1177.78	0.66	0.74
76.	1158.75	0.68	0.75
77.	1137.19	0.70	0.76
78.	1102.62	0.73	0.77
79.	1073.44	0.75	0.78
80.	1045.86	0.78	0.79
81.	1009.39	0.81	0.80
82.	990.68	0.83	0.81
83.	953.26	0.86	0.82
84.	939.94	0.87	0.83
85.	934.53	0.88	0.84
86.	906.64	0.90	0.85
87.	897.44	0.91	0.86
88.	880.95	0.92	0.87
89.	859.28	0.94	0.88
90.	854.63	0.95	0.89
91.	844.80	0.96	0.90
92.	836.87	0.96	0.91
93.	823.24	0.96	0.92
94.	819.12	0.98	0.93
95.	810.24	0.99	0.94
96.	812.46	0.98	0.95
97.	806.11	0.99	0.96
98.	803.26	0.99	0.97
99.	805.80	0.99	0.98
100.	803.58	0.99	0.99
101.	795.83	1.00	1.00

Table 11. Dosage Measurements

TRIAL E3R1(DP1-001), 25 JAN 78, 11:02:00, HC SPCHE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG.MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	869.44
2	.00	1.00	.00	926.14
3	.00	2.00	.00	701.70
4	.00	3.00	.00	543.40
5	.00	4.00	.00	548.13
6	.00	5.00	.00	155.93
7	.00	6.00	.00	61.43
8	.00	7.00	.00	32.37
9	.00	8.00	.00	3.31
10	.00	9.00	.00	4.73

DOSAGE ALONG SIGHT LINE = 3846.57 (MG.MIN/M\*\*2)

Table 12. Concentration thru Time

TRIAL 33R1(OP1-001), 25 JAN 79, 11:02:00, HC SMOKE

TIME SECS	CL M3/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	14	9	0	0	4	0	0	0	0	0	0	0
1.1	5	0	0	0	5	0	0	0	0	0	0	0
2.1	4	0	0	0	4	0	0	0	0	0	0	0
3.2	4	0	0	0	4	0	0	0	0	0	0	0
4.3	5	0	0	0	5	0	0	0	0	0	0	0
5.3	5	0	0	0	5	0	0	0	0	0	0	0
6.4	5	0	0	0	5	0	0	0	0	0	0	0
7.4	6	0	0	0	5	0	0	0	0	0	0	0
8.5	7	0	0	0	6	0	0	0	0	0	0	0
9.6	7	0	1	0	6	0	0	0	0	0	0	0
10.6	7	0	1	0	6	0	0	0	0	0	0	0
11.7	9	0	1	0	7	0	0	0	0	0	0	0
12.8	44	35	1	0	8	0	0	0	0	0	0	0
13.8	41	31	1	0	8	0	0	0	0	0	0	0
14.9	9	0	0	0	8	0	0	0	0	0	0	0
15.9	15	5	0	0	9	0	0	0	0	0	0	0
17.0	48	37	0	0	10	0	0	0	0	0	0	0
18.1	47	36	0	0	10	0	0	0	0	0	0	0
19.1	51	41	0	0	10	0	0	0	0	0	0	0
20.2	46	35	0	0	11	0	0	0	0	0	0	0
21.3	58	46	0	0	11	0	0	0	0	0	0	0
22.3	47	37	0	0	10	0	0	0	0	0	0	0
23.4	16	6	0	0	10	0	0	0	0	0	0	0
24.4	27	15	0	0	11	0	0	0	0	0	0	0
25.5	12	0	0	0	11	0	0	0	0	0	0	0
26.6	11	0	0	0	11	0	0	0	0	0	0	0
27.6	11	0	0	0	11	0	0	0	0	0	0	0
28.7	12	0	0	0	11	0	0	0	0	0	0	0
29.8	19	0	0	0	12	0	0	0	0	0	0	0
30.8	32	0	0	0	11	6	3	3	1	0	0	6
31.9	112	0	5	13	12	25	45	7	0	0	0	5
32.9	283	0	54	125	12	33	46	0	0	0	0	3
34.0	293	0	140	102	12	18	19	1	0	0	0	0
35.1	272	4	93	62	11	38	54	7	0	0	0	0
36.1	395	26	25	63	11	53	182	32	0	0	0	0
37.2	364	23	38	137	11	56	93	2	0	0	0	0
38.3	1217	20	426	570	10	68	121	0	0	0	0	0
39.3	1488	2	689	651	10	49	84	0	0	0	0	0
40.4	793	0	317	348	9	29	87	0	0	0	0	0
41.4	1201	0	304	557	9	80	191	55	2	0	0	0
42.5	1098	0	322	417	9	92	241	14	0	0	0	0
43.6	1938	0	675	889	9	96	256	12	0	0	0	0
44.6	1999	0	642	542	9	140	598	49	17	0	0	0
45.7	1391	0	269	228	9	213	652	11	4	0	0	0
46.8	755	0	100	77	9	126	332	107	2	0	0	0

Table 12. Concentration thru Time (Cont.)

TRIAL [391(DF1-DC1), 21 JAN 78, 11:03:00, FC SICME

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.9	1493	0	15	47	8	34	484	736	164	C	0
48.9	2024	0	9	51	9	39	405	663	729	88	29
49.9	789	8	16	110	9	82	282	76	164	31	7
51.0	262	0	10	18	9	17	140	38	17	9	1
52.1	1332	0	207	145	9	75	463	197	224	9	0
53.1	1485	0	273	123	10	93	412	289	260	23	0
54.2	611	0	84	36	10	90	234	113	52	8	0
55.3	1492	0	470	770	11	52	107	71	6	2	0
56.3	2678	0	814	1195	10	115	378	161	1	C	0
57.4	2078	0	721	769	11	149	301	125	0	0	0
58.4	1145	0	249	138	12	99	489	137	19	0	0
59.5	1443	0	97	143	12	123	582	333	147	1	0
60.6	1162	0	220	413	12	64	200	56	68	6	119
61.6	1490	0	583	619	13	22	83	39	31	10	87
62.7	1489	C	711	639	14	37	52	15	6	4	8
63.7	2039	0	1196	738	15	25	58	1	0	0	1
64.8	1255	0	926	305	15	4	3	C	0	0	0
65.9	2175	0	1135	971	16	1	0	0	0	0	0
66.9	1483	0	999	465	17	0	C	C	0	C	0
68.0	810	0	576	215	18	0	0	0	0	0	0
69.1	744	0	467	256	18	2	C	0	0	C	0
70.1	2692	0	1297	1369	19	6	0	0	0	0	0
71.2	2302	0	1235	1045	19	2	0	C	0	0	0
72.2	2026	0	1190	816	19	0	0	0	0	0	0
73.3	2130	0	1456	655	18	0	0	C	0	0	0
74.4	3967	0	2237	1514	19	39	56	0	0	0	0
75.4	3293	0	1853	978	20	88	249	102	0	0	0
76.5	3205	0	1655	1072	20	148	266	41	0	0	0
77.6	2221	0	1390	699	19	31	68	11	0	0	0
78.6	2685	0	1554	1096	20	10	2	0	0	0	0
79.7	2219	0	1233	923	21	35	5	0	0	0	0
80.7	3034	0	1571	1350	21	58	32	0	0	0	0
81.8	2793	0	1689	841	21	72	143	24	0	C	0
82.9	3053	0	1469	1382	21	50	83	45	0	0	0
83.9	3169	0	1668	1350	21	9	80	39	0	C	0
85.0	2519	0	1241	1152	21	9	84	9	0	0	0
86.1	2788	C	1572	1180	21	1	13	0	0	0	C
87.1	2748	0	1646	1079	21	0	1	0	0	0	0
88.2	2798	0	1759	1009	21	7	0	0	0	C	0
89.2	2966	0	1720	1189	21	14	18	1	0	0	0
90.3	2698	0	1715	945	20	8	8	0	0	0	C
91.4	2050	33	1064	925	19	5	0	0	0	0	0
92.4	1789	5	938	822	20	1	0	0	0	0	C
93.5	1596	0	928	637	20	9	0	0	0	0	0
94.6	2040	10	1037	891	19	43	38	0	0	C	0

Table 12. Concentration thru Time (Cont.)

TRIAL 13R1(DP1-DC1), 21 JAN 76, 11:02:00, FC SCKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.6	2561	0	1555	938	19	21	26	0	0	0	0	0
96.7	2026	0	1200	699	20	59	46	0	0	0	0	0
97.7	1323	3	789	357	21	69	80	4	0	0	0	0
98.8	1033	10	481	243	21	71	202	2	0	0	0	0
99.9	550	0	237	177	21	12	100	1	0	0	0	0
100.9	1256	43	579	595	21	5	10	0	0	0	0	0
102.6	508	52	286	147	21	0	0	0	0	0	0	0
103.1	589	0	283	280	20	0	0	0	0	0	0	0
104.1	514	0	305	169	20	0	0	0	0	0	0	0
105.2	647	0	366	257	21	1	1	0	0	0	0	0
106.2	350	5	194	126	21	0	3	0	0	0	0	0
107.3	160	9	60	69	20	0	0	0	0	0	0	0
108.4	115	0	45	49	19	0	0	0	0	0	0	0
109.4	85	0	40	22	20	0	1	0	0	0	0	0
110.5	53	0	10	11	20	0	2	4	3	0	0	0
111.6	75	0	3	2	20	0	14	22	7	0	0	0
112.6	46	0	1	2	20	0	7	5	3	0	0	4
113.7	39	4	1	0	21	0	4	2	3	0	0	5
114.7	30	0	1	2	22	0	3	0	0	0	0	3
115.9	47	20	1	3	21	0	0	0	0	0	0	0
116.9	62	34	2	3	21	0	0	0	0	0	0	0
117.9	26	0	2	2	21	0	0	0	0	0	0	0
119.0	25	0	1	1	22	0	0	0	0	0	0	0
120.1	26	0	1	1	22	0	0	0	0	0	0	0
121.1	24	0	0	1	22	0	0	0	0	0	0	0
122.2	26	0	0	1	23	0	0	0	0	0	0	0
123.2	26	0	0	1	24	0	0	0	0	0	0	0
124.3	24	0	0	0	23	0	0	0	0	0	0	0
125.4	25	0	0	0	24	0	0	0	0	0	0	0
126.4	30	3	0	1	25	0	0	0	0	0	0	0
127.5	27	0	0	0	26	0	0	0	0	0	0	0
128.6	27	0	0	1	26	0	0	0	0	0	0	0
129.6	28	0	0	1	26	0	0	0	0	0	0	0
130.7	28	0	0	1	26	0	0	0	0	0	0	0
131.7	28	0	0	1	26	0	0	0	0	0	0	0
132.8	27	0	0	0	26	0	0	0	0	0	0	0
133.9	28	0	0	1	26	0	0	0	0	0	0	0
134.9	30	0	1	1	27	0	0	0	0	0	0	0
136.0	29	0	1	0	28	0	0	0	0	0	0	0
137.1	29	0	1	0	28	0	0	0	0	0	0	0
138.1	29	0	1	0	27	0	0	0	0	0	0	0
139.2	30	0	1	0	29	0	0	0	0	0	0	0
140.2	31	0	1	0	30	0	0	0	0	0	0	0
141.3	31	0	1	0	30	0	0	0	0	0	0	0
142.4	31	0	1	0	30	0	0	0	0	0	0	0

Table 12. Concentration thru Time (Conc.)

TRIAL ECR1(DP1-OC1), 21 JAN 71, 11:02:00, HC SP (KE)

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
143.4	31	0	1	0	30	0	0	0	0	0	0	0
144.5	31	0	0	0	31	0	0	0	0	0	0	0
145.6	30	0	0	0	30	0	0	0	0	0	0	0
146.6	30	0	0	0	30	0	0	0	0	0	0	0
147.7	31	0	0	0	30	0	0	0	0	0	0	0
148.7	31	0	1	0	30	0	0	0	0	0	0	0
149.8	30	0	1	0	29	0	0	0	0	0	0	0
150.9	78	48	1	0	28	0	0	0	0	0	0	0
151.9	72	42	1	0	28	0	0	0	0	0	0	0
153.0	86	57	0	0	27	0	0	0	0	0	0	0
154.1	66	39	0	0	26	0	0	0	0	0	0	0
155.1	63	36	0	0	26	0	0	0	0	0	0	0
156.2	38	11	0	0	26	0	0	0	0	0	0	0
157.2	26	0	0	0	26	0	0	0	0	0	0	0
158.3	45	19	0	0	25	0	0	0	0	0	0	0
159.4	48	22	0	0	25	0	0	0	0	0	0	0
160.4	69	40	1	0	27	0	0	0	0	0	0	0
161.5	28	0	0	0	27	0	0	0	0	0	0	0
162.6	28	0	0	0	28	0	0	0	0	0	0	0
163.6	29	0	1	0	28	0	0	0	0	0	0	0
164.7	30	0	0	0	30	0	0	0	0	0	0	0
165.7	30	0	1	0	29	0	0	0	0	0	0	0
166.8	29	0	0	0	29	0	0	0	0	0	0	0
167.9	29	0	0	0	29	0	0	0	0	0	0	0
168.9	30	0	1	0	29	0	0	0	0	0	0	0
170.0	30	0	1	0	29	0	0	0	0	0	0	0
171.1	29	0	1	0	28	0	0	0	0	0	0	0
172.1	28	0	1	0	27	0	0	0	0	0	0	0
173.2	28	0	1	0	27	0	0	0	0	0	0	0
174.2	27	0	0	0	27	0	0	0	0	0	0	0
175.3	26	0	0	0	26	0	0	0	0	0	0	0
176.4	26	0	0	0	26	0	0	0	0	0	0	0
177.4	26	0	0	0	26	0	0	0	0	0	0	0
178.5	25	0	0	0	25	0	0	0	0	0	0	0

FIN

Table 13. Dosage Measurements

TRIAL B4R1(DP1-C01), 25 JAN 78, 11:40:00, HC SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG.MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	857.63
2	.00	1.00	.00	1131.69
3	.00	2.00	.00	822.19
4	.00	3.00	.00	530.41
5	.00	4.00	.00	238.62
6	.00	5.00	.00	70.88
7	.00	6.00	.00	24.22
8	.00	7.00	.00	4.73
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE= 3690.36 (MG.MIN/M\*\*2)

Table 14. Concentration thru Time

TRIAL 34R1(JP1-001), 25 JAN 78, 11:43:00, HC SMOKE

TIME SECS	CL NO/M**2	CONCENTRATIONS MG/M**3																		
		10	9	8	7	6	5	4	3	2	1									
.0	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	41	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.1	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.4	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.5	53	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.5	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.6	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.7	33	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.8	16	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.8	37	10	0	0	1	20	3	1	0	0	0	0	0	0	0	0	0	0	0	0
14.9	29	17	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.0	35	27	0	0	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
17.0	133	57	47	18	8	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.1	180	43	61	56	19	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.1	208	46	73	68	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.2	154	53	58	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.3	113	43	49	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.3	114	53	38	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.4	106	36	40	26	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.5	41	15	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.5	23	0	5	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.6	21	0	3	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.6	17	0	3	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.7	11	0	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.8	9	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.8	8	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.9	45	35	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33.0	42	38	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.0	35	28	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.1	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1	25	21	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37.2	38	33	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39.3	19	15	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39.3	13	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.4	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41.5	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42.5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44.6	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45.7	22	21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 14. Concentration thru Time (Cont.)

TRIAL 34R1(DPI-001), 25 JAN 79, 11:40:00, HC S40KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
47.9	1	0	0	1	0	0	0	0	0	0	0	0
48.9	1	0	0	1	0	0	0	0	0	0	0	0
50.0	48	48	0	0	0	0	0	0	0	0	0	0
51.0	65	65	0	0	0	0	0	0	0	0	0	0
52.1	69	69	0	0	0	0	0	0	0	0	0	0
53.1	37	37	0	0	0	0	0	0	0	0	0	0
54.2	32	32	0	0	0	0	0	0	0	0	0	0
55.3	41	41	0	0	0	0	0	0	0	0	0	0
56.3	28	28	0	0	0	0	0	0	0	0	0	0
57.4	0	0	0	0	0	0	0	0	0	0	0	0
58.5	1	0	0	0	0	0	0	0	0	0	0	0
59.5	1	0	0	1	0	0	0	0	0	0	0	0
60.6	17	15	0	1	0	0	0	0	0	0	0	0
61.6	38	36	0	0	0	0	0	0	0	0	0	0
62.7	35	34	0	0	0	0	0	0	0	0	0	0
63.8	30	28	0	0	0	0	0	0	0	0	0	0
64.8	35	34	0	0	0	0	0	0	0	0	0	0
65.9	32	30	0	1	0	0	0	0	0	0	0	0
67.0	33	31	0	1	0	0	0	0	0	0	0	0
68.0	19	17	0	2	0	0	0	0	0	0	0	0
69.1	3	1	0	1	0	0	0	0	0	0	0	0
70.1	1	0	0	1	0	0	0	0	0	0	0	0
71.2	0	0	0	0	0	0	0	0	0	0	0	0
72.3	12	11	0	1	0	0	0	0	0	0	0	0
73.3	13	11	0	1	0	0	0	0	0	0	0	0
74.4	7	7	0	0	0	0	0	0	0	0	0	0
75.5	12	10	0	1	0	0	0	0	0	0	0	0
76.5	16	15	0	1	0	0	0	0	0	0	0	0
77.6	1	0	0	1	0	0	0	0	0	0	0	0
78.6	1	0	0	1	0	0	0	0	0	0	0	0
79.7	2	0	0	1	0	0	0	0	0	0	0	0
80.8	1	0	0	0	0	0	0	0	0	0	0	0
81.8	0	0	0	0	0	0	0	0	0	0	0	0
82.9	0	0	0	0	0	0	0	0	0	0	0	0
84.0	1	0	0	1	0	0	0	0	0	0	0	0
85.0	3	0	1	1	0	0	0	0	0	0	0	0
86.1	2	1	0	1	0	0	0	0	0	0	0	0
87.1	16	15	0	0	0	0	0	0	0	0	0	0
88.2	0	0	0	0	0	0	0	0	0	0	0	0
89.3	0	0	0	0	0	0	0	0	0	0	0	0
90.3	1	0	0	1	0	0	0	0	0	0	0	0
91.4	1	0	0	1	0	0	0	0	0	0	0	0
92.5	18	17	0	1	0	0	0	0	0	0	0	0
93.5	42	41	0	1	0	0	0	0	0	0	0	0
94.6	52	50	0	1	0	0	0	0	0	0	0	0

Table 14. Concentration thru Time (Cont.)

TRIAL 34R1(DP1-001), 25 JAN 78, 11:43:00, 40 SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.6	13	12	0	0	0	0	0	0	0	0	0	0
96.7	4	3	0	0	0	0	0	0	0	0	0	0
97.9	1	0	0	1	0	0	0	0	0	0	0	0
98.8	3	0	1	1	0	0	0	0	0	0	0	0
99.9	5	2	1	1	0	0	0	0	0	0	0	0
101.0	3	0	1	1	0	0	0	0	0	0	0	0
102.0	3	0	1	1	0	0	0	0	0	0	0	0
103.1	1	0	0	1	0	0	0	0	0	0	0	0
104.1	1	0	0	1	0	0	0	0	0	0	0	0
105.2	1	0	0	1	0	0	0	0	0	0	0	0
106.3	31	29	0	1	0	0	0	0	0	0	0	0
107.3	19	17	0	1	0	0	0	0	0	0	0	0
108.4	1	0	0	1	0	0	0	0	0	0	0	0
109.5	1	0	0	1	0	0	0	0	0	0	0	0
110.5	0	0	0	0	0	0	0	0	0	0	0	0
111.6	0	0	0	0	0	0	0	0	0	0	0	0
112.6	0	0	0	0	0	0	0	0	0	0	0	0
113.7	0	0	0	0	0	0	0	0	0	0	0	0
114.8	0	0	0	0	0	0	0	0	0	0	0	0
115.8	0	0	0	0	0	0	0	0	0	0	0	0
116.9	0	0	0	0	0	0	0	0	0	0	0	0
118.0	0	0	0	0	0	0	0	0	0	0	0	0
119.0	1	0	0	0	0	0	0	0	0	0	0	0
120.1	26	0	0	0	10	4	9	1	0	0	0	0
121.1	208	0	2	19	29	69	69	11	9	0	0	0
122.2	597	0	31	55	198	92	73	21	25	0	0	0
123.3	897	0	57	65	368	263	83	45	12	0	0	0
124.3	826	0	11	9	250	133	155	232	34	0	0	0
125.4	1045	0	3	48	419	308	132	100	32	0	0	0
126.5	1040	0	7	190	400	222	94	67	56	0	0	0
127.5	1779	0	221	185	739	394	109	83	47	0	0	0
128.6	2454	0	384	410	935	530	154	36	2	0	0	0
129.5	2958	0	459	556	956	719	143	21	1	0	0	0
130.7	1245	2	493	240	253	200	40	13	1	0	0	0
131.9	3050	0	516	1273	1041	198	14	6	0	0	0	0
132.8	4198	0	968	851	1294	999	84	0	0	0	0	0
133.9	2853	0	539	588	724	923	77	0	0	0	0	0
135.0	1969	25	431	371	857	231	51	0	0	0	0	0
136.0	1878	21	753	633	363	95	9	0	0	0	0	0
137.1	1380	45	495	236	514	70	16	2	0	0	0	0
138.1	1041	60	200	149	325	132	79	93	0	0	0	0
139.2	1673	68	136	156	295	620	234	153	8	0	0	0
140.3	1306	78	82	40	184	478	409	28	2	0	0	0
141.3	1925	47	97	102	739	713	205	18	0	0	0	0
142.4	1941	22	474	327	520	474	89	31	0	0	0	0

Table 14. Concentration thru Time (Cont.)

TRIAL 34R1(DP1-001), 25 JAN 78, 11:40:00, 4C 543KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.5	1209	0	299	339	254	181	65	65	2	0	0
144.5	2017	4	987	797	130	60	19	13	2	0	0
145.6	1888	15	994	666	196	12	2	0	0	0	0
146.6	1590	69	711	720	87	0	0	0	0	0	0
147.7	663	53	318	259	32	0	0	0	0	0	0
148.8	375	29	204	118	23	0	0	0	0	0	0
149.8	1018	42	434	296	245	0	0	0	0	0	0
150.9	1987	31	556	484	411	446	54	2	0	0	0
152.0	3452	6	1594	1055	256	491	47	1	0	0	0
153.0	3224	22	1873	902	255	164	6	0	0	0	0
154.1	1142	3	614	464	50	9	0	0	0	0	0
155.1	903	0	588	264	50	0	0	0	0	0	0
156.2	1638	0	889	551	164	33	0	0	0	0	0
157.3	998	11	707	252	26	1	0	0	0	0	0
158.3	538	16	294	141	84	1	0	0	0	0	0
159.4	1875	15	883	671	258	47	0	0	0	0	0
160.5	1297	17	626	207	411	30	4	0	0	0	0
161.5	1091	21	387	477	174	27	2	0	0	0	0
162.6	2170	8	993	986	180	1	0	0	0	0	0
163.6	1596	0	726	564	225	80	0	0	0	0	0
164.7	1030	0	476	474	59	20	0	0	0	0	0
165.8	1566	11	738	652	163	0	0	0	0	0	0
166.8	2718	51	1528	935	203	0	0	0	0	0	0
167.9	2449	84	1114	956	292	1	0	0	0	0	0
169.0	2763	53	1341	1134	197	33	2	0	0	0	0
170.0	3460	41	1770	1257	278	112	0	0	0	0	0
171.1	2320	59	1220	747	234	55	3	0	0	0	0
172.1	3921	26	1493	1044	156	184	15	0	0	0	0
173.2	3930	12	1506	923	1402	83	2	0	0	0	0
174.3	2969	35	704	728	1329	165	6	0	0	0	0
175.3	1932	14	411	800	672	33	0	0	0	0	0
176.4	1749	0	739	805	199	5	0	0	0	0	0
177.5	1603	24	959	402	173	44	0	0	0	0	0
178.5	1927	16	1038	515	322	33	0	0	0	0	0
179.6	1643	49	971	486	132	3	0	0	0	0	0
180.6	1900	55	1217	550	75	0	0	0	0	0	0
181.7	1807	50	1070	509	176	0	0	0	0	0	0
182.8	2253	39	1219	767	132	93	1	0	0	0	0
183.8	3619	20	1554	999	827	196	21	0	0	0	0
184.9	3044	4	1161	954	599	253	70	1	0	0	0
186.0	2515	0	1223	782	404	94	10	0	0	0	0
187.0	3104	16	1202	1052	750	60	21	0	0	0	0
188.1	2964	35	632	778	543	560	237	74	1	0	0
189.1	2167	27	505	674	393	311	206	35	15	0	0
190.2	1586	28	304	204	441	457	147	1	0	0	0

Table 14. Concentration thru Time (Conc.)

TRIAL 14R1(DPI-001), 25 JAN 73, 11:40:00, 40 SIXK

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
191.3	2190	12	356	832	602	337	39	0	0	0	0
192.3	1558	0	774	513	226	40	3	0	0	0	0
193.4	1504	7	897	442	154	11	1	0	0	0	0
194.5	1498	0	713	308	474	11	0	0	0	0	0
195.5	1393	0	554	646	191	0	0	0	0	0	0
196.6	1681	12	979	596	92	0	0	0	0	0	0
197.6	1346	0	838	431	77	0	0	0	0	0	0
198.7	1632	17	1125	377	42	0	0	0	0	0	0
199.9	1753	38	773	561	331	48	0	0	0	0	0
200.8	1811	41	856	621	275	15	0	0	0	0	0
201.9	1294	37	864	358	32	1	0	0	0	0	0
203.0	765	33	529	178	23	0	0	0	0	0	0
204.0	906	15	722	152	16	0	0	0	0	0	0
205.1	655	18	330	206	100	0	0	0	0	0	0
206.1	1794	20	708	587	469	8	0	0	0	0	0
207.2	2036	7	848	798	354	27	0	0	0	0	0
208.3	978	0	645	251	64	16	0	0	0	0	0
209.3	1695	0	1104	537	52	0	0	0	0	0	0
210.4	1904	0	1193	616	87	6	0	0	0	0	0
211.5	2227	0	970	717	432	102	0	0	0	0	0
212.5	2363	0	1271	886	162	43	0	0	0	0	0
213.6	1747	0	1029	652	64	1	0	0	0	0	0
214.6	1081	8	647	366	58	0	0	0	0	0	0
215.7	737	3	324	305	42	0	0	0	0	0	0
216.8	878	0	346	323	137	56	13	0	0	0	0
217.8	1118	0	255	241	240	258	121	1	0	0	0
218.9	416	0	103	53	39	101	105	9	4	0	0
220.0	291	0	17	16	24	21	110	98	2	0	0
221.0	243	0	3	7	28	85	79	39	0	0	0
222.1	225	0	1	6	59	48	46	53	8	0	0
223.1	259	22	0	16	51	30	59	67	10	0	0
224.2	337	40	0	5	71	145	66	6	0	0	0
225.3	521	17	0	1	89	300	111	0	0	0	0
226.3	299	0	0	1	41	181	70	4	0	0	0
227.4	112	0	1	1	25	20	59	3	0	0	0
228.5	199	0	13	26	83	39	37	0	0	0	0
229.5	266	22	35	91	44	56	16	0	0	0	0
230.6	323	15	112	123	54	14	1	0	0	0	0
231.6	135	0	76	47	11	0	0	0	0	0	0
232.7	82	0	45	27	9	0	0	0	0	0	0
233.9	63	0	41	17	4	0	0	0	0	0	0
234.8	50	10	22	12	4	0	0	0	0	0	0
235.9	44	4	10	4	24	0	0	0	0	0	0
237.0	48	0	4	5	22	5	9	0	0	0	0
238.0	22	2	1	5	8	2	2	0	0	0	0

TRIAL A3

Table 15. Weight Loss thru Time

TN	WN	RW	RT
0.	1179.20	0.00	0.00
1.	1167.35	0.02	0.01
2.	1157.05	0.04	0.01
3.	1154.64	0.04	0.02
4.	1153.61	0.04	0.03
5.	1152.24	0.05	0.03
6.	1153.27	0.04	0.04
7.	1151.90	0.05	0.05
8.	1151.21	0.05	0.06
9.	1150.86	0.05	0.06
10.	1149.15	0.05	0.07
11.	1148.80	0.05	0.08
12.	1148.46	0.05	0.08
13.	1148.46	0.05	0.09
14.	1148.12	0.05	0.10
15.	1150.52	0.05	0.10
16.	1147.43	0.05	0.11
17.	1146.40	0.06	0.12
18.	1144.34	0.06	0.13
19.	1140.21	0.07	0.13
20.	1136.78	0.07	0.14
21.	1134.37	0.08	0.15
22.	1131.97	0.08	0.15
23.	1125.79	0.09	0.16
24.	1121.32	0.10	0.17
25.	1117.20	0.10	0.17
26.	1111.36	0.11	0.18
27.	1107.92	0.12	0.19
28.	1102.43	0.13	0.20
29.	1100.36	0.13	0.20
30.	1095.55	0.14	0.21
31.	1087.65	0.15	0.22
32.	1083.53	0.16	0.22
33.	1078.38	0.17	0.23
34.	1073.22	0.18	0.24
35.	1066.01	0.19	0.24
36.	1059.83	0.20	0.25
37.	1051.24	0.21	0.26
38.	1045.40	0.22	0.27
39.	1041.96	0.23	0.27
40.	1033.03	0.25	0.28
41.	1025.82	0.26	0.29
42.	1013.79	0.28	0.29
43.	1006.23	0.29	0.30
44.	998.68	0.30	0.31
45.	991.80	0.31	0.31
46.	991.46	0.31	0.32
47.	984.93	0.33	0.33
48.	974.63	0.34	0.34
49.	963.98	0.36	0.34
50.	958.14	0.37	0.35
51.	949.21	0.39	0.36
52.	938.90	0.40	0.36
53.	934.78	0.41	0.37
54.	921.38	0.43	0.38
55.	912.10	0.45	0.38
56.	896.99	0.47	0.39

TRIAL A3

Table 15. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	891. 15	0. 46	0. 40
58.	886. 68	0. 49	0. 41
59.	876. 37	0. 51	0. 41
60.	872. 25	0. 51	0. 42
61.	864. 69	0. 53	0. 43
62.	855. 42	0. 54	0. 43
63.	850. 95	0. 55	0. 44
64.	831. 71	0. 58	0. 45
65.	820. 72	0. 60	0. 45
66.	815. 57	0. 61	0. 46
67.	807. 32	0. 62	0. 47
68.	800. 11	0. 64	0. 48
69.	791. 52	0. 65	0. 48
70.	782. 24	0. 67	0. 49
71.	767. 13	0. 69	0. 50
72.	750. 64	0. 72	0. 50
73.	746. 17	0. 73	0. 51
74.	742. 39	0. 73	0. 52
75.	735. 87	0. 74	0. 52
76.	732. 09	0. 75	0. 53
77.	720. 41	0. 77	0. 54
78.	710. 10	0. 79	0. 55
79.	701. 51	0. 80	0. 55
80.	694. 64	0. 81	0. 56
81.	686. 74	0. 83	0. 57
82.	680. 21	0. 84	0. 57
83.	680. 90	0. 84	0. 58
84.	673. 69	0. 85	0. 59
85.	670. 25	0. 85	0. 59
86.	669. 91	0. 85	0. 60
87.	666. 13	0. 86	0. 61
88.	662. 35	0. 87	0. 62
89.	662. 35	0. 87	0. 62
90.	653. 91	0. 87	0. 63
91.	653. 82	0. 88	0. 64
92.	647. 58	0. 89	0. 64
93.	642. 42	0. 90	0. 65
94.	638. 30	0. 91	0. 66
95.	633. 83	0. 91	0. 66
96.	632. 46	0. 92	0. 67
97.	631. 09	0. 92	0. 68
98.	629. 71	0. 92	0. 69
99.	629. 71	0. 92	0. 69
100.	627. 99	0. 92	0. 70
101.	625. 93	0. 93	0. 71
102.	624. 90	0. 93	0. 71
103.	623. 87	0. 93	0. 72
104.	620. 44	0. 94	0. 73
105.	620. 78	0. 94	0. 73
106.	618. 03	0. 94	0. 74
107.	612. 88	0. 95	0. 75
108.	608. 41	0. 96	0. 76
109.	608. 07	0. 96	0. 76
110.	603. 26	0. 97	0. 77
111.	604. 29	0. 96	0. 78
112.	601. 89	0. 97	0. 78
113.	599. 14	0. 97	0. 79
114.	595. 70	0. 98	0. 80

TRIAL A3

Table 15. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	597.08	0.98	0.80
116.	592.95	0.98	0.81
117.	593.30	0.98	0.82
118.	592.95	0.98	0.83
119.	590.20	0.99	0.83
120.	589.17	0.99	0.84
121.	588.83	0.99	0.85
122.	589.86	0.99	0.85
123.	588.14	0.99	0.86
124.	587.46	0.99	0.87
125.	587.80	0.99	0.87
126.	586.43	0.99	0.88
127.	585.05	1.00	0.89
128.	585.05	1.00	0.90
129.	584.71	1.00	0.90
130.	584.36	1.00	0.91
131.	583.33	1.00	0.92
132.	585.40	1.00	0.92
133.	583.63	1.00	0.93
134.	586.77	0.99	0.94
135.	586.43	0.99	0.94
136.	587.80	0.99	0.95
137.	585.74	1.00	0.96
138.	585.40	1.00	0.97
139.	585.40	1.00	0.97
140.	585.05	1.00	0.98
141.	586.08	0.99	0.99
142.	584.71	1.00	0.99
143.	582.99	1.00	1.00

TRIAL A4

Table 16. Weight Loss thru Time

TN	WN	RW	RT
0.	1176.91	0.00	0.00
1.	1169.40	0.01	0.01
2.	1159.46	0.03	0.02
3.	1154.06	0.04	0.02
4.	1156.75	0.03	0.03
5.	1154.01	0.04	0.04
6.	1154.35	0.04	0.05
7.	1153.67	0.04	0.06
8.	1154.35	0.04	0.07
9.	1152.99	0.04	0.07
10.	1152.99	0.04	0.08
11.	1153.67	0.04	0.09
12.	1151.96	0.04	0.10
13.	1150.99	0.04	0.11
14.	1150.25	0.05	0.11
15.	1148.86	0.05	0.12
16.	1148.34	0.05	0.13
17.	1146.14	0.05	0.14
18.	1141.70	0.06	0.15
19.	1136.23	0.07	0.15
20.	1132.46	0.08	0.16
21.	1128.26	0.08	0.17
22.	1125.96	0.09	0.18
23.	1122.89	0.09	0.19
24.	1119.47	0.10	0.20
25.	1115.02	0.11	0.20
26.	1111.94	0.11	0.21
27.	1106.13	0.12	0.22
28.	1097.86	0.14	0.23
29.	1092.45	0.14	0.24
30.	1086.29	0.16	0.24
31.	1082.87	0.16	0.25
32.	1078.42	0.17	0.26
33.	1071.92	0.18	0.27
34.	1069.97	0.19	0.28
35.	1059.61	0.20	0.28
36.	1052.77	0.21	0.29
37.	1049.69	0.22	0.30
38.	1044.90	0.23	0.31
39.	1039.46	0.24	0.32
40.	1034.90	0.24	0.33
41.	1029.65	0.25	0.33
42.	1024.72	0.26	0.34
43.	1017.86	0.27	0.35
44.	1011.04	0.28	0.36
45.	1006.60	0.29	0.37
46.	1002.49	0.30	0.37
47.	1000.78	0.30	0.38
48.	994.69	0.31	0.39
49.	989.92	0.34	0.40
50.	981.03	0.35	0.41
51.	979.74	0.37	0.41
52.	972.21	0.39	0.42
53.	961.95	0.40	0.43
54.	954.17	0.42	0.44
55.	949.72	0.44	0.45
56.	940.86	0.46	0.46

Table 16. Weight Loss thru Time (Cont.)

TRIAL A4

TN	WN	RW	RT
57.	901.93	0.47	0.46
58.	896.80	0.48	0.47
59.	879.70	0.51	0.48
60.	860.55	0.54	0.49
61.	844.82	0.57	0.50
62.	828.74	0.60	0.50
63.	831.82	0.59	0.51
64.	823.61	0.61	0.52
65.	813.01	0.62	0.53
66.	805.48	0.64	0.54
67.	795.91	0.65	0.54
68.	786.67	0.67	0.55
69.	780.51	0.68	0.56
70.	775.04	0.69	0.57
71.	772.99	0.69	0.58
72.	769.57	0.70	0.59
73.	762.04	0.71	0.59
74.	753.49	0.73	0.60
75.	751.10	0.73	0.61
76.	743.23	0.74	0.62
77.	729.55	0.77	0.63
78.	725.11	0.77	0.63
79.	720.32	0.78	0.64
80.	709.37	0.80	0.65
81.	702.19	0.81	0.66
82.	698.43	0.82	0.67
83.	695.35	0.83	0.67
84.	693.64	0.83	0.68
85.	690.56	0.83	0.69
86.	688.17	0.84	0.70
87.	681.67	0.85	0.71
88.	673.80	0.86	0.72
89.	669.70	0.87	0.72
90.	667.64	0.87	0.73
91.	666.33	0.87	0.74
92.	665.25	0.88	0.75
93.	663.88	0.88	0.76
94.	660.80	0.89	0.76
95.	660.12	0.89	0.77
96.	655.33	0.89	0.78
97.	652.25	0.90	0.79
98.	651.23	0.90	0.80
99.	649.17	0.90	0.80
100.	643.70	0.91	0.81
101.	641.99	0.92	0.82
102.	638.23	0.92	0.83
103.	636.18	0.93	0.84
104.	634.12	0.93	0.85
105.	630.02	0.94	0.85
106.	629.34	0.94	0.86
107.	623.86	0.95	0.87
108.	622.15	0.95	0.88
109.	618.05	0.96	0.89
110.	610.52	0.97	0.89
111.	609.50	0.97	0.90
112.	604.71	0.98	0.91
113.	601.29	0.99	0.92
114.	599.58	0.99	0.93

TRIAL A4

Table 16. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	598. 90	0. 99	0. 93
116.	597. 53	0. 99	0. 94
117.	595. 92	1. 00	0. 95
118.	595. 48	1. 00	0. 96
119.	594. 45	1. 00	0. 97
120.	595. 13	1. 00	0. 98
121.	594. 45	1. 00	0. 98
122.	594. 11	1. 00	0. 99
123.	593. 77	1. 00	1. 00

TRIAL B15

Table 17. Weight Loss thru Time

TN	WN	RW	RT
0.	1180.34	0.00	0.00
1.	1168.04	0.02	0.01
2.	1156.96	0.04	0.02
3.	1147.47	0.05	0.02
4.	1150.32	0.05	0.03
5.	1151.90	0.05	0.04
6.	1147.78	0.05	0.05
7.	1148.73	0.05	0.05
8.	1145.89	0.06	0.06
9.	1133.54	0.08	0.07
10.	1135.44	0.07	0.08
11.	1137.34	0.07	0.09
12.	1130.38	0.08	0.09
13.	1124.05	0.09	0.10
14.	1117.09	0.10	0.11
15.	1118.35	0.10	0.12
16.	1111.71	0.11	0.12
17.	1106.65	0.12	0.13
18.	1105.70	0.12	0.14
19.	1099.68	0.13	0.15
20.	1097.78	0.13	0.16
21.	1094.62	0.14	0.16
22.	1089.56	0.15	0.17
23.	1086.39	0.15	0.18
24.	1079.75	0.16	0.19
25.	1077.53	0.17	0.19
26.	1071.20	0.18	0.20
27.	1070.25	0.18	0.21
28.	1060.44	0.19	0.22
29.	1060.44	0.19	0.22
30.	1060.44	0.19	0.23
31.	1051.90	0.21	0.24
32.	1043.99	0.22	0.25
33.	1047.47	0.21	0.26
34.	1042.72	0.22	0.26
35.	1034.81	0.23	0.27
36.	1030.06	0.24	0.28
37.	1027.85	0.25	0.29
38.	1026.90	0.25	0.29
39.	1020.57	0.26	0.30
40.	1016.77	0.26	0.31
41.	1013.61	0.27	0.32
42.	1010.13	0.27	0.33
43.	1010.13	0.27	0.33
44.	1003.16	0.28	0.34
45.	993.04	0.30	0.35
46.	990.51	0.31	0.36
47.	994.30	0.30	0.36
48.	988.29	0.31	0.37
49.	978.48	0.32	0.38
50.	971.84	0.34	0.39
51.	963.92	0.35	0.40
52.	955.70	0.36	0.40
53.	947.78	0.37	0.41
54.	941.46	0.38	0.42
55.	934.18	0.40	0.43
56.	928.80	0.40	0.43

TRIAL B15

Table 17. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	925. 95	0. 41	0. 44
58.	917. 72	0. 42	0. 45
59.	913. 29	0. 43	0. 46
60.	908. 23	0. 44	0. 47
61.	902. 53	0. 45	0. 47
62.	901. 27	0. 45	0. 48
63.	895. 84	0. 46	0. 49
64.	892. 28	0. 48	0. 50
65.	876. 38	0. 49	0. 50
66.	857. 59	0. 52	0. 51
67.	845. 57	0. 54	0. 52
68.	843. 67	0. 54	0. 53
69.	842. 41	0. 54	0. 53
70.	835. 76	0. 55	0. 54
71.	825. 95	0. 57	0. 55
72.	819. 67	0. 58	0. 56
73.	807. 59	0. 60	0. 57
74.	808. 54	0. 60	0. 57
75.	787. 66	0. 63	0. 58
76.	781. 65	0. 64	0. 59
77.	773. 16	0. 65	0. 60
78.	771. 84	0. 66	0. 60
79.	766. 77	0. 67	0. 61
80.	765. 19	0. 67	0. 62
81.	763. 29	0. 67	0. 63
82.	756. 65	0. 68	0. 64
83.	756. 65	0. 68	0. 64
84.	745. 89	0. 70	0. 65
85.	726. 27	0. 73	0. 66
86.	716. 77	0. 75	0. 67
87.	711. 08	0. 75	0. 67
88.	704. 11	0. 77	0. 68
89.	699. 68	0. 77	0. 69
90.	696. 84	0. 78	0. 70
91.	690. 51	0. 79	0. 71
92.	690. 19	0. 79	0. 71
93.	688. 29	0. 79	0. 72
94.	682. 91	0. 80	0. 73
95.	675. 63	0. 81	0. 74
96.	665. 82	0. 83	0. 74
97.	662. 97	0. 83	0. 75
98.	654. 43	0. 85	0. 76 <sub>y</sub>
99.	645. 65	0. 86	0. 77
100.	636. 71	0. 87	0. 78
101.	638. 61	0. 87	0. 78
102.	643. 35	0. 86	0. 79
103.	639. 92	0. 87	0. 80
104.	638. 61	0. 87	0. 81
105.	633. 23	0. 88	0. 81
106.	627. 85	0. 89	0. 82
107.	627. 22	0. 89	0. 83
108.	620. 57	0. 90	0. 84
109.	611. 08	0. 92	0. 84
110.	603. 48	0. 93	0. 85
111.	602. 85	0. 93	0. 86
112.	602. 85	0. 93	0. 87
113.	599. 68	0. 93	0. 88
114.	600. 00	0. 93	0. 88

TRIAL E15

Table 17. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	601.58	0.93	0.89
116.	597.15	0.94	0.90
117.	594.94	0.94	0.91
118.	596.52	0.94	0.91
119.	589.87	0.95	0.92
120.	586.89	0.96	0.93
121.	583.86	0.96	0.94
122.	581.33	0.96	0.95
123.	580.38	0.96	0.95
124.	575.63	0.97	0.96
125.	570.89	0.98	0.97
126.	575.63	0.97	0.98
127.	571.52	0.98	0.98
128.	568.04	0.98	0.99
129.	558.54	1.00	1.00

TRIAL B16

Table 18. Weight Loss thru Time

TN	WN	RW	RT
0.	1179.33	0.00	0.00
1.	1177.95	0.00	0.01
2.	1178.59	0.00	0.01
3.	1175.05	0.01	0.02
4.	1173.11	0.01	0.03
5.	1168.92	0.02	0.04
6.	1171.18	0.01	0.04
7.	1169.57	0.02	0.05
8.	1168.92	0.02	0.06
9.	1167.96	0.02	0.07
10.	1167.96	0.02	0.07
11.	1168.28	0.02	0.08
12.	1165.38	0.02	0.09
13.	1162.80	0.03	0.10
14.	1158.61	0.04	0.10
15.	1154.10	0.04	0.11
16.	1151.52	0.05	0.12
17.	1147.01	0.06	0.13
18.	1146.69	0.06	0.13
19.	1140.56	0.07	0.14
20.	1139.27	0.07	0.15
21.	1134.76	0.08	0.16
22.	1133.47	0.08	0.16
23.	1129.60	0.08	0.17
24.	1120.90	0.10	0.18
25.	1116.71	0.11	0.19
26.	1112.52	0.11	0.19
27.	1106.40	0.12	0.20
28.	1100.60	0.13	0.21
29.	1098.67	0.14	0.22
30.	1098.99	0.14	0.22
31.	1098.67	0.15	0.23
32.	1092.87	0.16	0.24
33.	1077.07	0.17	0.25
34.	1069.98	0.19	0.25
35.	1064.18	0.20	0.26
36.	1057.09	0.21	0.27
37.	1049.68	0.22	0.28
38.	1045.17	0.23	0.28
39.	1040.33	0.24	0.29
40.	1034.85	0.25	0.30
41.	1031.63	0.25	0.31
42.	1028.08	0.26	0.31
43.	1025.18	0.26	0.32
44.	1022.93	0.27	0.33
45.	1020.35	0.27	0.34
46.	1014.55	0.28	0.34
47.	1013.26	0.28	0.35
48.	1007.14	0.29	0.36
49.	999.08	0.31	0.37
50.	984.25	0.33	0.37
51.	972.01	0.35	0.38
52.	964.27	0.37	0.39
53.	954.93	0.38	0.40
54.	947.51	0.40	0.40
55.	939.93	0.42	0.41
56.	929.66	0.44	0.42

TRIAL B16

Table 18. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	922.70	0.44	0.43
58.	916.57	0.45	0.43
59.	911.42	0.46	0.44
60.	904.01	0.47	0.45
61.	894.01	0.49	0.46
62.	882.09	0.51	0.46
63.	867.27	0.53	0.47
64.	859.85	0.55	0.48
65.	855.02	0.55	0.49
66.	845.67	0.57	0.49
67.	845.67	0.57	0.50
68.	835.04	0.59	0.51
69.	826.01	0.60	0.51
70.	816.34	0.62	0.52
71.	804.74	0.64	0.53
72.	796.04	0.66	0.54
73.	785.73	0.67	0.54
74.	782.50	0.68	0.55
75.	778.64	0.68	0.56
76.	774.13	0.69	0.57
77.	768.65	0.70	0.57
78.	763.17	0.71	0.58
79.	757.04	0.72	0.59
80.	755.76	0.72	0.60
81.	752.85	0.73	0.60
82.	744.15	0.74	0.61
83.	739.64	0.75	0.62
84.	727.07	0.77	0.63
85.	719.98	0.79	0.63
86.	708.06	0.81	0.64
87.	707.09	0.81	0.65
88.	700.64	0.82	0.66
89.	699.36	0.82	0.66
90.	691.94	0.83	0.67
91.	687.11	0.84	0.68
92.	691.30	0.83	0.69
93.	680.02	0.85	0.69
94.	677.44	0.86	0.70
95.	674.54	0.86	0.71
96.	665.84	0.88	0.72
97.	662.29	0.88	0.72
98.	659.71	0.89	0.73
99.	656.81	0.89	0.74
100.	650.05	0.90	0.75
101.	650.37	0.90	0.75
102.	646.13	0.91	0.76
103.	645.53	0.91	0.77
104.	641.02	0.92	0.78
105.	640.06	0.92	0.78
106.	634.90	0.93	0.79
107.	634.90	0.93	0.80
108.	630.06	0.94	0.81
109.	626.84	0.94	0.81
110.	625.87	0.95	0.82
111.	626.20	0.95	0.83
112.	627.49	0.94	0.84
113.	625.87	0.95	0.84
114.	621.69	0.95	0.85

TRIAL B16

Table 18. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
115.	621.04	0.95	0.86
116.	620.07	0.96	0.87
117.	617.82	0.96	0.87
118.	618.78	0.96	0.88
119.	620.72	0.95	0.89
120.	615.24	0.96	0.90
121.	615.56	0.96	0.90
122.	617.82	0.96	0.91
123.	614.27	0.97	0.92
124.	613.63	0.97	0.93
125.	612.02	0.97	0.93
126.	611.69	0.97	0.94
127.	609.44	0.97	0.95
128.	604.93	0.98	0.96
129.	601.70	0.99	0.96
130.	602.99	0.99	0.97
131.	602.03	0.99	0.98
132.	601.70	0.99	0.99
133.	598.48	0.99	0.99
134.	594.29	1.00	1.00

Table 19. Dosage Measurements

TRIAL 315 (DP1-001), 25 JAN 78, 12:50:59, HC SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	8.71
2	.00	1.00	.00	5.73
3	.00	2.00	.00	2.75
4	.00	3.00	.00	3.90
5	.00	4.00	.00	5.05
6	.00	5.00	.00	541.21
7	.00	6.00	.00	210.98
8	.00	7.00	.00	352.01
9	.00	8.00	.00	493.05
10	.00	9.00	.00	667.33

DOSAGE ALONG SIGHT LINE= 2290.72 (MG. MIN/M\*\*2)

Table 20. Concentration thru Time

TRIAL 315 (DPI-001), 25 JAN 79, 12:50:59, HC 540KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.9	62	3	0	0	0	0	0	0	0	4	54
48.9	21	3	0	0	0	0	0	0	0	6	17
50.0	350	8	0	0	0	0	0	0	2	12	327
51.0	1043	8	0	0	0	0	0	0	159	151	723
52.1	982	6	0	0	0	0	0	0	153	460	261
53.2	1521	7	0	0	0	0	0	0	490	497	526
54.2	2359	7	0	0	0	0	0	5	1227	611	507
55.3	1426	7	0	0	0	0	0	7	299	521	590
56.4	930	6	0	0	0	0	0	1	319	481	182
57.4	906	7	0	0	0	0	0	0	47	308	544
58.5	755	6	0	0	0	0	0	0	4	208	536
59.5	339	4	0	0	0	0	0	0	0	37	297
60.6	379	2	0	0	0	0	0	0	1	45	329
61.7	1078	4	0	0	0	0	0	0	126	364	582
62.7	504	1	0	0	0	0	0	1	203	169	227
63.8	1192	3	0	0	0	0	0	3	419	330	435
64.9	1697	5	0	0	0	0	0	0	294	913	594
65.9	1100	5	0	0	0	0	0	1	135	313	645
67.0	1189	4	0	0	0	0	0	0	460	453	265
68.0	1943	3	0	0	0	0	0	0	215	252	1472
69.1	2000	4	0	0	0	0	0	0	346	539	1110
70.2	1048	5	0	0	0	0	0	6	263	212	561
71.2	1068	4	0	0	0	0	0	0	101	231	731
72.3	1122	3	0	0	0	0	0	0	26	158	932
73.4	773	2	0	0	0	0	0	0	3	86	680
74.4	154	2	0	0	0	0	0	0	0	19	142
75.5	69	0	0	0	0	0	0	0	0	5	63
76.5	122	0	0	0	0	0	0	0	0	0	122
77.5	176	4	0	0	0	0	0	0	0	0	171
78.7	40	4	0	0	0	0	0	0	0	0	36
79.7	371	0	0	0	0	0	0	0	0	1	370
80.8	750	2	0	0	0	0	0	0	90	34	623
81.9	1446	2	0	0	0	0	0	5	166	395	876
82.9	1204	4	0	0	0	0	0	6	529	432	231
84.0	1074	4	0	0	0	0	0	2	446	509	110
85.0	1562	3	0	0	0	0	5	8	422	518	603
86.1	1513	2	0	0	0	0	1	36	669	550	254
87.2	1275	3	0	0	0	0	1	15	530	445	279
88.2	942	3	0	0	0	0	0	3	369	307	258
89.3	659	4	0	0	0	0	4	15	388	189	55
90.4	1328	2	0	0	0	0	7	40	790	471	16
91.4	1417	1	0	0	0	0	0	39	728	496	151
92.5	1276	2	0	0	0	0	0	5	333	564	369
93.5	1513	1	0	0	0	0	1	30	315	671	493
94.5	1366	0	0	0	0	0	1	30	833	823	276

Table 20. Concentration thru Time (Cont.)

TRIAL 315 (DP1-001), 25 JAN 78, 12:50:59, HD SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3												
		10	9	8	7	6	5	4	3	2	1			
.0	5	4	0	0	0	0	0	0	0	0	0	0	0	0
1.1	3	3	0	0	0	0	0	0	0	0	0	0	0	1
2.2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
3.2	5	5	0	0	0	0	0	0	0	0	0	0	0	0
4.3	36	6	0	0	0	0	0	0	0	0	0	0	0	0
5.4	61	7	0	0	0	0	0	0	0	0	0	0	18	12
6.4	100	5	0	0	0	0	0	0	0	0	1	18	34	34
7.5	196	3	0	0	0	0	0	0	0	0	0	25	69	69
8.5	643	5	0	0	0	0	0	0	0	0	10	40	141	141
9.6	381	5	0	0	0	0	0	0	0	1	66	338	331	331
10.7	163	4	0	0	0	0	0	0	0	2	134	154	84	84
11.7	193	2	0	0	0	0	0	0	0	0	26	65	66	66
12.9	261	1	0	0	0	0	0	0	0	0	8	67	115	115
13.9	372	0	0	0	0	0	0	0	0	0	0	19	240	240
14.9	386	3	0	0	0	0	0	0	0	0	0	11	360	360
16.0	632	3	0	0	0	0	0	0	0	0	2	29	351	351
17.0	494	1	0	0	0	0	0	0	0	0	31	128	470	470
18.1	125	1	0	0	0	0	0	0	0	0	66	135	291	291
19.2	71	0	0	0	0	0	0	0	0	0	0	32	91	91
20.2	1050	0	0	0	0	0	0	0	0	0	0	22	49	49
21.3	1507	1	0	0	0	0	0	0	0	1	469	258	319	319
22.4	1166	0	0	0	0	0	0	0	0	1	806	535	162	162
23.4	231	2	0	0	0	0	0	0	0	0	454	373	337	337
24.5	55	2	0	0	0	0	0	0	0	0	25	104	98	98
25.5	20	4	0	0	0	0	0	0	0	0	1	38	13	13
26.6	67	6	0	0	0	0	0	0	0	0	0	11	4	4
27.7	20	5	0	0	0	0	0	0	0	0	0	3	57	57
28.7	114	5	0	0	0	0	0	0	0	0	0	1	14	14
29.8	1272	5	0	0	0	0	0	0	0	0	0	12	96	96
30.9	1012	4	0	0	0	0	0	0	0	0	233	514	519	519
31.9	607	4	0	0	0	0	0	0	0	0	78	362	565	565
33.0	148	4	0	0	0	0	0	0	0	0	1	180	421	421
34.0	170	4	0	0	0	0	0	0	0	0	0	91	52	52
35.1	129	5	0	0	0	0	0	0	0	0	0	30	135	135
36.2	283	4	0	0	0	0	0	0	0	0	0	7	118	118
37.2	652	5	0	0	0	0	0	0	0	0	6	115	156	156
38.3	1258	7	0	0	0	0	0	0	0	0	14	285	345	345
39.4	455	5	0	0	0	0	0	0	0	0	59	211	981	981
40.4	241	5	0	0	0	0	0	0	0	0	23	129	297	297
41.5	368	3	0	0	0	0	0	0	0	0	48	97	91	91
42.5	636	3	0	0	0	0	0	0	0	0	35	92	237	237
43.6	787	6	0	0	0	0	0	0	0	0	92	111	425	425
44.7	803	6	0	0	0	0	0	0	0	2	126	252	398	398
45.7	219	6	0	0	0	0	0	0	0	0	25	168	602	602
46.8	60	6	0	0	0	0	0	0	0	0	0	77	135	135
												15	38	38

Table 20. Concentration thru Time (Conc.)

TRIAL 315 (D-1-001), 25 JAN 78, 12:50:59, 40 S41KE

TIME SECC	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
95.7	1379	4	0	0	0	0	0	8	397	530	338
96.7	1157	3	0	0	0	0	0	1	174	524	454
97.9	742	3	0	0	0	0	0	0	37	225	475
98.9	1329	4	0	0	0	0	0	0	294	744	285
99.9	1773	1	0	0	0	0	0	0	754	928	189
101.0	1274	0	0	0	0	0	0	0	46	629	598
102.0	1230	1	0	0	0	0	0	0	27	344	858
107.1	1338	0	0	0	0	0	0	4	588	406	339
104.2	1734	0	0	0	0	0	0	3	456	519	745
105.2	1036	0	0	0	0	0	0	0	33	263	739
106.3	716	0	0	0	0	0	0	0	252	304	159
107.4	1072	0	0	0	0	0	0	0	540	496	35
108.4	1094	2	0	0	0	0	0	0	242	607	242
109.5	1104	3	0	0	0	0	0	0	10	293	795
110.5	1111	1	0	0	0	0	0	0	62	662	385
111.6	1352	0	0	0	0	0	0	0	288	706	356
112.7	1209	4	0	0	0	0	0	0	167	391	646
113.7	1067	3	0	0	0	0	0	0	123	320	620
114.8	1579	2	0	0	0	0	0	0	613	711	252
115.9	2182	3	0	0	0	0	0	0	887	578	713
116.9	1307	1	0	0	0	0	0	3	258	340	1204
118.0	881	1	0	0	0	0	0	2	67	120	692
119.0	591	1	0	0	0	0	0	0	29	64	486
120.1	108	3	0	0	0	0	0	0	3	28	73
121.2	56	2	0	0	0	0	0	0	0	16	37
122.2	14	2	0	0	0	0	0	0	0	6	6
123.3	8	1	0	0	0	0	0	0	0	3	3
124.4	4	1	0	0	0	0	0	0	0	0	2
125.4	2	0	0	0	0	0	0	0	0	0	2
126.5	7	0	0	0	0	0	0	0	0	0	7
127.5	16	1	0	0	0	0	0	0	0	0	14
128.6	5	3	0	0	0	0	0	0	0	0	2
129.7	72	0	0	0	0	0	0	0	0	0	71
130.7	31	0	0	0	0	0	0	0	0	0	29
131.8	5	1	0	0	0	0	0	0	0	1	2
132.9	4	1	0	0	0	0	0	0	0	1	3
133.9	98	0	0	0	0	0	0	0	0	0	98
135.0	42	0	0	0	0	0	0	0	0	0	42
136.0	7	0	0	0	0	0	0	0	0	0	7
137.1	3	0	0	0	0	0	0	0	0	0	2
139.2	7	0	0	0	0	0	0	0	0	0	5
139.2	12	0	0	0	0	0	0	0	1	0	12
140.3	5	3	0	0	0	0	0	0	0	0	2
141.4	6	4	0	0	0	0	0	0	0	0	2
142.4	5	3	0	0	0	0	0	0	0	0	2

Table 21. Dosage Measurements

TRIAL 216 (DP1-001), 25 JAN 78, 13:04:58, HC SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG·MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	25.80
2	.00	1.00	.00	57.33
3	.00	2.00	.00	126.13
4	.00	3.00	.00	237.80
5	.00	4.00	.00	449.48
6	.00	5.00	.00	841.62
7	.00	6.00	.00	272.90
8	.00	7.00	.00	177.15
9	.00	8.00	.00	81.41
10	.00	9.00	.00	38.41

DOSAGE ALONG SIGHT LINE= 2358.03 (MG·MIN/M\*\*3)

Table 22. Concentration thru Time

TOTAL SIG (DPI-CP1), 25 JAN 78, 13:04:58, HC SMOKE

TIME SEC	CL NO/M**2	CONCENTRATIONS NO/M**3									
		10	9	8	7	6	5	4	3	2	1
.0	158	0	0	0	0	0	82	58	14	2	0
1.1	271	0	0	0	77	4	89	114	34	0	0
2.1	522	0	0	0	10	12	319	119	54	4	0
3.2	488	0	0	0	5	2	251	119	60	21	7
4.7	244	0	0	0	24	0	158	27	21	8	2
5.3	171	0	0	4	43	2	63	11	27	18	0
6.4	42	0	0	4	7	0	0	5	7	11	0
7.4	34	9	0	0	0	0	1	15	5	1	0
8.5	67	7	0	0	0	0	2	37	17	1	0
9.6	72	0	0	0	0	0	2	13	39	15	0
10.6	83	0	0	0	0	0	18	25	31	8	0
11.7	127	0	0	0	0	0	74	17	28	6	0
12.8	219	0	0	2	4	0	97	55	48	7	3
13.8	239	3	0	1	0	1	154	71	53	5	4
14.9	796	2	0	1	6	1	489	189	71	35	1
15.9	798	0	0	0	30	15	515	156	61	17	1
17.0	962	3	0	4	88	12	372	413	61	5	0
18.1	1242	3	0	2	20	29	1364	211	8	1	0
19.1	723	0	0	10	126	12	397	140	36	3	0
20.2	720	0	0	31	112	17	422	118	15	2	0
21.7	503	0	0	10	55	11	253	157	14	0	0
22.3	772	0	0	5	39	5	482	178	55	5	0
23.4	406	0	0	2	8	1	182	155	46	9	0
24.4	544	0	0	1	34	5	53	286	145	17	0
25.5	030	0	0	3	115	21	309	99	68	12	0
26.6	298	0	0	55	105	16	110	4	4	2	0
27.6	159	5	0	8	36	13	95	0	0	0	0
28.7	676	9	0	4	309	25	319	9	0	0	0
29.8	1091	10	0	3	231	33	789	15	6	1	0
30.8	1133	6	0	3	19	5	677	192	208	20	0
31.9	911	6	0	1	8	0	169	132	369	101	11
32.9	1022	8	0	0	2	0	28	232	450	199	101
34.0	810	13	0	0	0	0	3	47	253	226	265
35.1	944	15	0	0	0	0	0	29	357	335	206
36.1	1045	11	0	0	0	0	7	91	395	333	205
37.2	1159	9	0	0	13	3	548	119	249	172	43
38.3	1189	18	0	17	126	26	817	18	55	98	10
39.3	1097	16	4	49	191	33	779	0	4	24	3
40.4	1849	17	1	8	176	50	1584	0	0	9	0
41.4	1512	19	0	3	55	51	1308	72	0	1	0
42.5	910	9	0	2	51	15	732	97	0	1	0
43.6	1026	15	0	0	30	11	768	159	33	6	0
44.6	977	17	0	1	6	1	289	223	320	116	0
45.7	1121	15	0	1	61	7	624	171	171	68	0
46.8	776	10	0	3	48	1	261	94	72	184	99

Table 22. Concentration thru Time (Cont.)

TRIAL F16 (DPA-001), 28 JAN 78, 13:04:58, HC SMOKE

TIME SEC	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
47.9	517	9	0	1	1	0	87	46	167	174	34
48.9	477	7	0	0	0	0	7	13	132	199	121
49.9	514	4	0	0	0	0	5	31	190	196	85
51.0	414	3	0	0	0	0	0	2	17	77	312
52.1	696	0	0	0	0	0	0	2	120	293	280
53.1	1122	4	0	0	0	0	13	232	307	391	172
54.2	1124	8	0	0	0	0	70	555	365	90	26
55.3	625	0	0	0	0	0	161	344	86	25	7
56.3	885	0	0	0	0	0	10	336	309	120	102
57.4	936	0	0	0	0	0	10	261	446	104	12
58.4	1090	1	0	0	0	1	312	342	334	93	3
59.5	3036	3	0	0	318	50	1699	458	443	59	4
60.6	1981	7	5	44	335	47	1190	736	0	43	3
61.0	699	19	11	31	334	13	207	48	15	12	4
62.7	1067	23	1	12	319	43	638	24	0	2	0
63.8	1916	17	9	81	393	50	1237	118	4	0	0
64.8	1268	19	4	100	374	46	538	164	0	0	0
65.9	1142	14	0	35	133	48	851	60	0	0	0
66.9	272	9	0	26	250	47	487	48	2	0	0
68.0	1826	11	0	9	93	15	1065	550	60	9	0
69.1	2353	10	0	2	41	10	1140	705	335	72	24
70.1	1426	9	0	1	35	2	548	516	215	37	58
71.2	1725	9	0	0	10	4	619	541	325	10	4
72.3	946	9	0	0	0	1	120	357	339	117	0
73.3	970	9	0	0	0	0	300	287	271	140	0
74.4	609	16	0	0	0	0	255	218	98	21	0
75.4	999	6	0	0	9	18	274	468	115	7	0
76.5	1327	7	0	17	496	33	589	171	11	1	0
77.6	1182	14	0	12	204	29	841	77	0	0	0
78.5	1424	17	0	3	23	17	1176	184	0	0	0
79.7	1088	11	0	2	79	14	942	37	0	0	0
80.9	1044	13	0	4	65	12	964	76	8	0	0
81.8	2493	7	21	230	846	34	1240	89	15	2	0
82.9	2373	9	192	935	1125	22	194	2	1	0	0
83.9	2046	5	538	749	741	2	0	0	0	0	0
85.0	2162	0	452	947	958	2	0	0	0	0	0
86.1	1379	0	130	238	476	18	474	0	0	0	0
87.1	1174	0	23	94	145	18	887	4	0	0	0
88.2	1543	1	4	41	138	18	818	517	2	0	0
89.3	814	0	0	16	39	16	496	195	1	0	0
90.3	852	11	0	0	411	28	370	12	0	0	0
91.4	1502	16	0	38	469	56	777	151	0	0	0
92.4	2905	15	0	90	560	35	2182	19	0	0	0
93.5	1208	11	16	53	675	24	427	0	0	0	0
94.6	1981	7	178	589	661	28	514	1	0	0	0

Table 22. Concentration thru Time (Cont.)

TRIAL E18 (DP1-CC1), 25 JAN 73, 13:04:58, HC SP/ME

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	9	7	6	5	4	3	2	1
95.6	2251	10	309	651	796	15	372	95	0	0	0
96.7	1089	6	215	318	411	18	83	19	15	0	0
97.8	664	6	47	44	65	2	111	135	226	26	0
98.8	700	8	3	15	39	0	80	321	191	33	0
99.9	763	4	0	5	21	0	292	316	114	7	0
100.9	1093	0	0	3	9	0	316	297	355	110	0
101.0	1007	0	0	8	106	11	434	151	229	64	0
107.1	926	0	103	215	234	9	187	40	28	7	0
104.1	1038	0	390	667	369	6	92	9	1	1	0
105.7	1480	8	319	386	307	11	361	68	23	2	0
106.7	1353	0	210	81	37	11	829	159	32	0	0
107.7	753	0	21	13	15	3	407	166	44	0	0
108.4	710	0	1	16	112	10	513	34	16	0	0
109.4	870	0	1	75	427	13	449	2	0	0	0
110.5	515	9	7	50	150	8	281	8	0	0	0
111.6	349	10	39	135	89	4	60	10	0	0	0
112.6	515	9	76	45	80	6	244	52	0	0	0
113.7	207	5	23	13	62	1	68	30	1	0	0
114.9	318	3	17	122	76	2	95	0	0	0	0
115.8	207	11	41	45	57	1	46	4	0	0	0
116.9	88	8	3	10	43	1	20	0	0	0	0
117.9	191	4	0	6	70	3	87	7	1	0	0
119.0	187	2	0	3	26	3	121	29	0	0	0
120.1	151	4	0	9	16	0	93	25	0	0	0
121.1	188	2	0	4	76	1	99	3	0	0	0
122.2	173	3	0	30	61	1	72	2	0	0	0
123.3	126	0	0	4	22	3	91	3	0	0	0
124.3	157	2	0	2	6	2	142	2	0	0	0
125.4	197	0	0	1	4	0	93	83	12	0	0
126.4	175	1	0	5	15	0	72	46	33	0	0
127.5	128	4	0	2	6	0	50	32	29	1	0
128.6	199	13	0	0	1	0	86	39	58	1	0
129.6	349	13	0	0	0	0	210	81	43	0	0
130.7	377	14	0	0	1	0	253	72	30	0	0
131.8	638	14	0	0	20	2	337	242	19	0	0
132.8	974	17	0	0	114	7	542	218	60	13	0
133.8	500	5	0	2	32	5	237	177	36	7	0
134.9	269	14	0	22	53	6	71	37	59	3	0
136.0	479	10	24	37	58	2	299	27	17	0	0
137.1	452	8	2	6	37	2	346	38	9	0	0
138.1	647	7	0	5	22	3	468	98	36	5	0
139.7	462	5	0	6	125	5	159	88	67	5	0
140.3	92	0	0	5	34	2	27	2	12	3	0
141.3	92	0	0	3	18	1	51	13	2	0	0
142.4	46	0	0	0	0	0	17	6	11	5	11

Table 22. Concentration thru Time (Conc.)

TRIAL 016 (001-201), 25 JAN 71, 17:04:58, HC SMOKE

TIME SECS	SL NO/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
147.4	42	0	0	0	0	0	0	0	3	12	10	16
148.0	31	0	0	0	0	0	0	0	0	12	11	14
148.6	17	0	0	0	0	0	0	0	4	8	2	11
148.6	6	0	0	0	0	0	0	0	0	4	1	11
147.7	1	0	0	0	0	0	0	0	0	0	0	0
148.7	0	0	0	0	0	0	0	0	0	0	0	0
148.8	1	1	0	0	0	0	0	0	0	0	0	0
150.9	6	6	0	0	0	0	0	0	0	0	0	0
151.9	3	2	0	0	0	0	0	0	0	0	0	0
152.0	0	0	0	0	0	0	0	0	0	0	0	0
154.1	0	0	0	0	0	0	0	0	0	0	0	0
155.1	0	0	0	0	0	0	0	0	0	0	0	0
156.2	1	1	0	0	0	0	0	0	0	0	0	0
157.2	9	9	0	0	0	0	0	0	0	0	0	0
158.7	4	4	0	0	0	0	0	0	0	0	0	0
159.4	13	13	0	0	0	0	0	0	0	0	0	0
160.4	9	9	0	0	0	0	0	0	0	0	0	0
161.5	17	17	0	0	0	0	0	0	0	0	0	0
162.6	19	19	0	0	0	0	0	0	0	0	0	0
163.6	22	22	0	0	0	0	0	0	0	0	0	0
164.7	21	21	0	0	0	0	0	0	0	0	0	0
165.7	14	14	0	0	0	0	0	0	0	0	0	0
166.9	12	12	0	0	0	0	0	0	0	0	0	0
167.0	4	4	0	0	0	0	0	0	0	0	0	0
168.9	4	4	0	0	0	0	0	0	0	0	0	0
170.0	7	7	0	0	0	0	0	0	0	0	0	0
171.1	5	5	0	0	0	0	0	0	0	0	0	0
172.1	5	5	0	0	0	0	0	0	0	0	0	0
173.2	7	7	0	0	0	0	0	0	0	0	0	0
174.2	3	3	0	0	0	0	0	0	0	0	0	0
175.3	1	1	0	0	0	0	0	0	0	0	0	0
176.4	6	6	0	0	0	0	0	0	0	0	0	0
177.4	5	5	0	0	0	0	0	0	0	0	0	0
178.5	9	9	0	0	0	0	0	0	0	0	0	0
179.6	4	4	0	0	0	0	0	0	0	0	0	0
180.6	5	5	0	0	0	0	0	0	0	0	0	0
181.7	3	3	0	0	0	0	0	0	0	0	0	0
182.7	0	0	0	0	0	0	0	0	0	0	0	0
183.8	0	0	0	0	0	0	0	0	0	0	0	0
184.9	6	6	0	0	0	0	0	0	0	0	0	0
185.9	11	11	0	0	0	0	0	0	0	0	0	0
187.0	18	18	0	0	0	0	0	0	0	0	0	0
188.1	13	13	0	0	0	0	0	0	0	0	0	0
189.1	16	16	0	0	0	0	0	0	0	0	0	0
190.2	13	13	0	0	0	0	0	0	0	0	0	0

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Table 23. Weight Loss thru Time

TN	WN	RW	RT
0.	217.89	0.00	0.00
1.	216.64	-0.01	0.00
2.	216.65	-0.01	0.00
3.	216.66	-0.01	0.01
4.	216.64	-0.01	0.01
5.	216.51	-0.01	0.01
6.	217.57	-0.00	0.01
7.	217.71	-0.00	0.01
8.	216.19	0.01	0.02
9.	216.69	0.01	0.02
10.	217.16	0.00	0.02
11.	216.21	0.01	0.02
12.	215.99	0.01	0.03
13.	216.97	0.01	0.03
14.	215.83	0.01	0.03
15.	215.96	0.02	0.03
16.	214.96	0.02	0.03
17.	214.69	0.02	0.04
18.	214.47	0.02	0.04
19.	214.26	0.02	0.04
20.	214.16	0.03	0.04
21.	214.08	0.03	0.04
22.	213.85	0.03	0.05
23.	213.78	0.03	0.05
24.	213.49	0.03	0.05
25.	212.77	0.04	0.05
26.	212.65	0.04	0.06
27.	212.95	0.04	0.06
28.	212.90	0.04	0.06
29.	212.79	0.04	0.06
30.	212.55	0.04	0.06
31.	212.26	0.04	0.07
32.	212.17	0.04	0.07
33.	212.15	0.04	0.07
34.	212.12	0.04	0.07
35.	211.90	0.04	0.07
36.	211.68	0.04	0.08
37.	211.77	0.04	0.08
38.	211.53	0.05	0.08
39.	211.38	0.05	0.08
40.	211.24	0.05	0.08
41.	210.97	0.05	0.09
42.	210.84	0.05	0.09
43.	210.68	0.05	0.09
44.	210.70	0.05	0.09
45.	210.49	0.06	0.10
46.	210.50	0.06	0.10
47.	210.22	0.06	0.10
48.	209.97	0.06	0.10
49.	209.94	0.06	0.10
50.	209.77	0.06	0.11
51.	209.52	0.06	0.11
52.	209.36	0.06	0.11
53.	209.24	0.07	0.11
54.	209.05	0.07	0.11
55.	208.91	0.07	0.12
56.	208.72	0.07	0.12

Table 23. Weight Loss thru Time (Cont.)

TRIAL NO	TN	WN	RW	RT
	57.	208.80	0.07	0.12
	58.	208.56	0.07	0.12
	59.	208.48	0.07	0.12
	60.	208.41	0.07	0.13
	61.	208.11	0.07	0.13
	62.	208.00	0.08	0.13
	63.	207.85	0.08	0.13
	64.	207.73	0.08	0.14
	65.	207.63	0.08	0.14
	66.	207.37	0.08	0.14
	67.	207.36	0.08	0.14
	68.	207.15	0.08	0.14
	69.	207.04	0.08	0.15
	70.	206.86	0.08	0.15
	71.	206.66	0.09	0.15
	72.	206.59	0.09	0.15
	73.	206.90	0.09	0.15
	74.	206.13	0.09	0.16
	75.	206.02	0.09	0.16
	76.	205.81	0.09	0.16
	77.	205.70	0.09	0.16
	78.	205.54	0.09	0.17
	79.	205.23	0.10	0.17
	80.	205.11	0.10	0.17
	81.	204.96	0.10	0.17
	82.	204.80	0.10	0.17
	83.	204.58	0.10	0.18
	84.	204.29	0.10	0.18
	85.	204.10	0.11	0.18
	86.	203.80	0.11	0.18
	87.	203.59	0.11	0.18
	88.	203.28	0.11	0.19
	89.	202.97	0.12	0.19
	90.	202.93	0.12	0.19
	91.	202.55	0.12	0.19
	92.	202.18	0.12	0.19
	93.	201.93	0.12	0.20
	94.	201.62	0.13	0.20
	95.	201.37	0.13	0.20
	96.	201.03	0.13	0.20
	97.	200.86	0.13	0.21
	98.	200.31	0.14	0.21
	99.	200.17	0.14	0.21
	100.	199.90	0.14	0.21
	101.	199.58	0.14	0.21
	102.	199.35	0.14	0.22
	103.	198.99	0.15	0.22
	104.	198.62	0.15	0.22
	105.	198.43	0.15	0.22
	106.	198.06	0.15	0.22
	107.	197.76	0.16	0.23
	108.	197.34	0.16	0.23
	109.	197.07	0.16	0.23
	110.	196.77	0.16	0.23
	111.	196.40	0.17	0.24
	112.	196.14	0.17	0.24
	113.	195.79	0.17	0.24
	114.	195.44	0.18	0.24

TRIAL NO

Table 23. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	195. 06	0. 18	0. 24
116.	194. 72	0. 18	0. 25
117.	194. 47	0. 18	0. 25
118.	194. 05	0. 19	0. 25
119.	193. 89	0. 19	0. 25
120.	193. 49	0. 19	0. 25
121.	193. 24	0. 19	0. 26
122.	192. 84	0. 20	0. 26
123.	192. 45	0. 20	0. 26
124.	192. 21	0. 20	0. 26
125.	191. 81	0. 20	0. 26
126.	191. 53	0. 21	0. 27
127.	191. 21	0. 21	0. 27
128.	190. 84	0. 21	0. 27
129.	190. 58	0. 21	0. 27
130.	190. 14	0. 22	0. 28
131.	189. 85	0. 22	0. 28
132.	189. 56	0. 22	0. 28
133.	189. 19	0. 23	0. 28
134.	188. 86	0. 23	0. 28
135.	188. 54	0. 23	0. 29
136.	188. 33	0. 23	0. 29
137.	188. 04	0. 23	0. 29
138.	187. 66	0. 24	0. 29
139.	187. 44	0. 24	0. 29
140.	187. 07	0. 24	0. 30
141.	186. 84	0. 24	0. 30
142.	186. 56	0. 25	0. 30
143.	186. 35	0. 25	0. 30
144.	186. 14	0. 25	0. 31
145.	185. 85	0. 25	0. 31
146.	185. 58	0. 25	0. 31
147.	185. 44	0. 26	0. 31
148.	185. 17	0. 26	0. 31
149.	185. 04	0. 26	0. 32
150.	184. 78	0. 26	0. 32
151.	184. 58	0. 26	0. 32
152.	184. 37	0. 26	0. 32
153.	184. 18	0. 27	0. 32
154.	184. 00	0. 27	0. 33
155.	183. 68	0. 27	0. 33
156.	183. 52	0. 27	0. 33
157.	183. 25	0. 27	0. 33
158.	183. 07	0. 27	0. 33
159.	182. 88	0. 28	0. 34
160.	182. 55	0. 28	0. 34
161.	182. 42	0. 28	0. 34
162.	182. 21	0. 28	0. 34
163.	181. 96	0. 28	0. 35
164.	181. 65	0. 29	0. 35
165.	181. 38	0. 29	0. 35
166.	181. 16	0. 29	0. 35
167.	180. 97	0. 29	0. 35
168.	180. 61	0. 29	0. 36
169.	180. 43	0. 30	0. 36
170.	180. 20	0. 30	0. 36
171.	179. 98	0. 30	0. 36
172.	179. 59	0. 30	0. 36

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Table 23. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	179.40	0.30	0.37
174.	179.19	0.31	0.37
175.	178.62	0.31	0.37
176.	178.63	0.31	0.37
177.	178.31	0.31	0.37
178.	178.14	0.31	0.36
179.	177.93	0.32	0.36
180.	177.63	0.32	0.36
181.	177.37	0.32	0.36
182.	177.13	0.32	0.39
183.	176.81	0.32	0.39
184.	176.64	0.33	0.39
185.	176.36	0.33	0.39
186.	176.11	0.33	0.39
187.	175.74	0.33	0.40
188.	175.45	0.34	0.40
189.	175.17	0.34	0.40
190.	174.86	0.34	0.40
191.	174.56	0.34	0.40
192.	174.16	0.35	0.41
193.	173.82	0.35	0.41
194.	173.41	0.35	0.41
195.	173.15	0.35	0.41
196.	172.79	0.36	0.42
197.	172.50	0.36	0.42
198.	172.18	0.36	0.42
199.	171.89	0.36	0.42
200.	171.46	0.37	0.42
201.	171.11	0.37	0.43
202.	170.93	0.37	0.43
203.	170.64	0.37	0.43
204.	170.34	0.38	0.43
205.	169.96	0.38	0.43
206.	169.65	0.38	0.44
207.	169.33	0.38	0.44
208.	169.03	0.39	0.44
209.	168.74	0.39	0.44
210.	168.21	0.39	0.44
211.	168.09	0.39	0.45
212.	167.72	0.40	0.45
213.	167.45	0.40	0.45
214.	167.18	0.40	0.45
215.	166.78	0.40	0.46
216.	166.54	0.41	0.46
217.	166.06	0.41	0.46
218.	165.90	0.41	0.46
219.	165.44	0.42	0.46
220.	165.18	0.42	0.47
221.	164.77	0.42	0.47
222.	164.46	0.42	0.47
223.	164.22	0.43	0.47
224.	163.84	0.43	0.47
225.	163.47	0.43	0.46
226.	163.14	0.43	0.46
227.	162.91	0.44	0.46
228.	162.56	0.44	0.46
229.	162.21	0.44	0.46
230.	161.91	0.44	0.46

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Table 23. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	161.49	0.45	0.49
232.	161.17	0.45	0.49
233.	160.82	0.45	0.49
234.	160.31	0.46	0.50
235.	160.12	0.46	0.50
236.	159.61	0.46	0.50
237.	159.33	0.46	0.50
238.	158.85	0.47	0.50
239.	158.58	0.47	0.51
240.	158.17	0.47	0.51
241.	157.72	0.46	0.51
242.	157.50	0.48	0.51
243.	157.11	0.48	0.51
244.	156.70	0.49	0.52
245.	156.27	0.49	0.52
246.	155.98	0.49	0.52
247.	155.48	0.50	0.52
248.	155.10	0.50	0.53
249.	154.75	0.50	0.53
250.	154.27	0.50	0.53
251.	154.00	0.51	0.53
252.	153.66	0.51	0.53
253.	153.23	0.51	0.54
254.	152.93	0.52	0.54
255.	152.46	0.52	0.54
256.	152.11	0.52	0.54
257.	151.70	0.53	0.54
258.	151.38	0.53	0.55
259.	151.12	0.53	0.55
260.	150.69	0.53	0.55
261.	150.31	0.54	0.55
262.	150.00	0.54	0.56
263.	149.57	0.54	0.56
264.	149.28	0.54	0.56
265.	148.92	0.55	0.56
266.	148.49	0.55	0.56
267.	148.18	0.55	0.57
268.	147.65	0.56	0.57
269.	147.42	0.56	0.57
270.	146.98	0.56	0.57
271.	146.66	0.57	0.57
272.	146.28	0.57	0.58
273.	145.93	0.57	0.58
274.	145.51	0.57	0.58
275.	145.05	0.58	0.58
276.	144.76	0.58	0.58
277.	144.32	0.58	0.59
278.	144.00	0.59	0.59
279.	143.64	0.59	0.59
280.	143.25	0.59	0.59
281.	142.91	0.60	0.60
282.	142.49	0.60	0.60
283.	142.17	0.60	0.60
284.	141.70	0.61	0.60
285.	141.47	0.61	0.60
286.	141.02	0.61	0.61
287.	140.62	0.61	0.61
288.	140.32	0.62	0.61

Table 23. Weight Loss thru Time (Cont.)

TRIAL NO	TN	WN	RW	RT
	289.	139.91	0.62	0.61
	290.	139.59	0.62	0.61
	291.	139.19	0.63	0.62
	292.	138.80	0.63	0.62
	293.	138.39	0.63	0.62
	294.	138.10	0.63	0.62
	295.	137.78	0.64	0.62
	296.	137.27	0.64	0.63
	297.	136.95	0.64	0.63
	298.	136.58	0.65	0.63
	299.	136.14	0.65	0.63
	300.	135.77	0.65	0.64
	301.	135.43	0.66	0.64
	302.	135.03	0.66	0.64
	303.	134.57	0.66	0.64
	304.	134.22	0.67	0.64
	305.	133.90	0.67	0.65
	306.	133.55	0.67	0.65
	307.	133.21	0.67	0.65
	308.	132.75	0.68	0.65
	309.	132.40	0.68	0.65
	310.	132.03	0.68	0.66
	311.	131.55	0.69	0.66
	312.	131.15	0.69	0.66
	313.	130.82	0.69	0.66
	314.	130.37	0.70	0.67
	315.	129.95	0.70	0.67
	316.	129.55	0.70	0.67
	317.	129.09	0.71	0.67
	318.	128.72	0.71	0.67
	319.	128.34	0.71	0.68
	320.	127.81	0.72	0.68
	321.	127.44	0.72	0.68
	322.	127.01	0.72	0.68
	323.	126.60	0.73	0.68
	324.	126.25	0.73	0.69
	325.	125.73	0.73	0.69
	326.	125.37	0.74	0.69
	327.	124.87	0.74	0.69
	328.	124.49	0.74	0.69
	329.	124.04	0.75	0.70
	330.	123.59	0.75	0.70
	331.	123.19	0.75	0.70
	332.	122.76	0.76	0.70
	333.	122.28	0.76	0.71
	334.	121.90	0.76	0.71
	335.	121.52	0.77	0.71
	336.	121.07	0.77	0.71
	337.	120.62	0.77	0.71
	338.	120.27	0.78	0.72
	339.	119.76	0.78	0.72
	340.	119.34	0.78	0.72
	341.	118.96	0.79	0.72
	342.	118.50	0.79	0.72
	343.	118.08	0.79	0.73
	344.	117.70	0.80	0.73
	345.	117.30	0.80	0.73
	346.	116.95	0.80	0.73

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Table 23. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
347.	116. 50	0. 81	0. 74
348.	116. 05	0. 81	0. 74
349.	115. 69	0. 81	0. 74
350.	115. 22	0. 82	0. 74
351.	114. 71	0. 82	0. 74
352.	114. 31	0. 82	0. 75
353.	113. 98	0. 83	0. 75
354.	113. 45	0. 83	0. 75
355.	112. 97	0. 84	0. 75
356.	112. 62	0. 84	0. 75
357.	112. 20	0. 84	0. 76
358.	111. 85	0. 84	0. 76
359.	111. 47	0. 85	0. 76
360.	111. 10	0. 85	0. 76
361.	110. 70	0. 85	0. 76
362.	110. 27	0. 86	0. 77
363.	109. 93	0. 86	0. 77
364.	109. 57	0. 86	0. 77
365.	109. 23	0. 87	0. 77
366.	108. 88	0. 87	0. 78
367.	108. 56	0. 87	0. 78
368.	108. 18	0. 87	0. 78
369.	107. 89	0. 88	0. 78
370.	107. 47	0. 88	0. 78
371.	107. 22	0. 88	0. 79
372.	106. 85	0. 88	0. 79
373.	106. 61	0. 89	0. 79
374.	106. 29	0. 89	0. 79
375.	106. 02	0. 89	0. 79
376.	105. 72	0. 89	0. 80
377.	105. 41	0. 90	0. 80
378.	105. 08	0. 90	0. 80
379.	104. 85	0. 90	0. 80
380.	104. 57	0. 90	0. 81
381.	104. 20	0. 91	0. 81
382.	104. 04	0. 91	0. 81
383.	103. 64	0. 91	0. 81
384.	103. 50	0. 91	0. 81
385.	103. 13	0. 91	0. 82
386.	102. 82	0. 92	0. 82
387.	102. 60	0. 92	0. 82
388.	102. 51	0. 92	0. 82
389.	102. 17	0. 92	0. 82
390.	101. 96	0. 92	0. 83
391.	101. 59	0. 93	0. 83
392.	101. 45	0. 93	0. 83
393.	101. 20	0. 93	0. 83
394.	101. 02	0. 93	0. 83
395.	100. 88	0. 93	0. 84
396.	100. 52	0. 93	0. 84
397.	100. 35	0. 94	0. 84
398.	100. 11	0. 94	0. 84
399.	99. 93	0. 94	0. 85
400.	99. 68	0. 94	0. 85
401.	99. 52	0. 94	0. 85
402.	99. 28	0. 94	0. 85
403.	99. 21	0. 95	0. 85
404.	98. 93	0. 95	0. 86

Table 23. Weight Loss thru Time (Cont.)

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TN	WN	RW	RT
405.	96. 73	0. 95	0. 86
406.	96. 53	0. 95	0. 86
407.	98. 30	0. 95	0. 86
408.	96. 21	0. 95	0. 86
409.	97. 98	0. 96	0. 87
410.	97. 73	0. 96	0. 87
411.	97. 70	0. 96	0. 87
412.	97. 49	0. 96	0. 87
413.	97. 39	0. 96	0. 87
414.	97. 17	0. 96	0. 88
415.	97. 07	0. 96	0. 88
416.	96. 90	0. 96	0. 88
417.	96. 79	0. 96	0. 88
418.	96. 53	0. 97	0. 89
419.	96. 51	0. 97	0. 89
420.	96. 29	0. 97	0. 89
421.	96. 15	0. 97	0. 89
422.	95. 91	0. 97	0. 89
423.	95. 87	0. 97	0. 90
424.	95. 72	0. 97	0. 90
425.	95. 57	0. 97	0. 90
426.	95. 38	0. 98	0. 90
427.	95. 33	0. 98	0. 90
428.	95. 11	0. 98	0. 91
429.	95. 04	0. 98	0. 91
430.	94. 85	0. 98	0. 91
431.	94. 79	0. 98	0. 91
432.	94. 69	0. 98	0. 92
433.	94. 48	0. 98	0. 92
434.	94. 53	0. 98	0. 92
435.	94. 42	0. 98	0. 92
436.	94. 23	0. 99	0. 92
437.	94. 13	0. 99	0. 93
438.	94. 02	0. 99	0. 93
439.	93. 97	0. 99	0. 93
440.	93. 89	0. 99	0. 93
441.	93. 81	0. 99	0. 93
442.	93. 78	0. 99	0. 94
443.	93. 62	0. 99	0. 94
444.	93. 56	0. 99	0. 94
445.	93. 54	0. 99	0. 94
446.	93. 45	0. 99	0. 94
447.	93. 37	0. 99	0. 95
448.	93. 30	0. 99	0. 95
449.	93. 30	0. 99	0. 95
450.	93. 22	0. 99	0. 95
451.	93. 09	0. 99	0. 96
452.	93. 16	0. 99	0. 96
453.	93. 08	0. 99	0. 96
454.	93. 00	1. 00	0. 96
455.	93. 02	0. 99	0. 96
456.	92. 87	1. 00	0. 97
457.	92. 94	1. 00	0. 97
458.	92. 81	1. 00	0. 97
459.	92. 81	1. 00	0. 97
460.	92. 78	1. 00	0. 97
461.	92. 70	1. 00	0. 98
462.	92. 65	1. 00	0. 98

TRIAL A9

Table 23. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
463.	92.58	1.00	0.98
464.	92.63	1.00	0.98
465.	92.63	1.00	0.99
466.	92.64	1.00	0.99
467.	92.54	1.00	0.99
468.	92.50	1.00	0.99
469.	92.41	1.00	0.99
470.	92.47	1.00	1.00
471.	92.42	1.00	1.00
472.	92.98	1.00	1.00

Table 24. Weight Loss thru Time

TRIAL A10

TN	WN	RW	RT
0.	203.44	0.00	0.00
1.	203.40	0.00	0.00
2.	203.37	0.00	0.01
3.	203.23	0.00	0.01
4.	203.17	0.00	0.01
5.	203.11	0.00	0.02
6.	202.99	0.00	0.02
7.	202.81	0.01	0.02
8.	202.67	0.01	0.03
9.	202.49	0.01	0.03
10.	202.44	0.01	0.03
11.	202.38	0.01	0.04
12.	202.15	0.01	0.04
13.	202.06	0.01	0.04
14.	201.98	0.01	0.05
15.	201.88	0.01	0.05
16.	201.59	0.02	0.05
17.	201.42	0.02	0.06
18.	201.26	0.02	0.06
19.	201.10	0.02	0.06
20.	201.01	0.02	0.07
21.	200.93	0.02	0.07
22.	200.67	0.02	0.07
23.	200.60	0.02	0.08
24.	200.51	0.03	0.08
25.	200.28	0.03	0.08
26.	199.91	0.03	0.09
27.	199.85	0.03	0.09
28.	199.61	0.03	0.09
29.	199.47	0.03	0.10
30.	199.29	0.04	0.10
31.	199.96	0.04	0.10
32.	199.75	0.04	0.11
33.	199.49	0.04	0.11
34.	199.31	0.04	0.11
35.	199.11	0.05	0.12
36.	197.70	0.05	0.12
37.	197.67	0.05	0.12
38.	197.26	0.05	0.13
39.	197.06	0.05	0.13
40.	196.74	0.06	0.13
41.	196.42	0.06	0.14
42.	196.28	0.06	0.14
43.	195.83	0.06	0.14
44.	195.75	0.07	0.15
45.	195.26	0.07	0.15
46.	195.04	0.07	0.15
47.	194.73	0.07	0.16
48.	194.32	0.08	0.16
49.	193.97	0.08	0.16
50.	193.45	0.09	0.17
51.	193.19	0.09	0.17
52.	192.80	0.09	0.17
53.	192.40	0.09	0.18
54.	192.11	0.10	0.18
55.	191.48	0.10	0.18
56.	191.16	0.10	0.19

TRIAL A10

Table 24. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57	190.65	0.11	0.19
58	190.11	0.11	0.19
59	189.79	0.12	0.20
60	189.17	0.12	0.20
61	188.94	0.12	0.20
62	188.27	0.13	0.21
63	188.06	0.13	0.21
64	187.49	0.14	0.21
65	186.88	0.14	0.22
66	186.65	0.14	0.22
67	186.00	0.15	0.22
68	185.69	0.15	0.23
69	184.98	0.16	0.23
70	184.58	0.16	0.23
71	184.12	0.17	0.24
72	183.41	0.17	0.24
73	183.10	0.17	0.24
74	182.43	0.18	0.25
75	181.99	0.18	0.25
76	181.47	0.19	0.25
77	180.86	0.19	0.26
78	180.39	0.20	0.26
79	179.86	0.20	0.26
80	179.29	0.21	0.27
81	178.70	0.21	0.27
82	178.27	0.22	0.27
83	177.66	0.22	0.28
84	177.01	0.23	0.28
85	176.69	0.23	0.28
86	175.94	0.24	0.29
87	175.47	0.24	0.29
88	174.89	0.24	0.29
89	174.25	0.25	0.30
90	173.93	0.25	0.30
91	173.15	0.26	0.30
92	172.68	0.26	0.31
93	172.04	0.27	0.31
94	171.52	0.27	0.31
95	171.05	0.28	0.32
96	170.46	0.28	0.32
97	169.98	0.29	0.32
98	169.39	0.29	0.33
99	168.89	0.30	0.33
100	168.32	0.30	0.33
101	167.74	0.31	0.34
102	167.32	0.31	0.34
103	166.72	0.31	0.34
104	166.30	0.32	0.35
105	165.82	0.32	0.35
106	165.24	0.33	0.35
107	164.71	0.33	0.36
108	164.15	0.34	0.36
109	163.77	0.34	0.36
110	163.23	0.34	0.37
111	162.79	0.35	0.37
112	162.21	0.35	0.37
113	161.71	0.36	0.38
114	161.42	0.36	0.38

Table 24. Weight Loss thru Time (Cont.)

TRIAL A10

TN	WN	RW	RT
115.	160.70	0.37	0.38
116.	160.23	0.37	0.39
117.	159.80	0.37	0.39
118.	159.35	0.38	0.39
119.	158.72	0.38	0.40
120.	158.31	0.39	0.40
121.	157.79	0.39	0.40
122.	157.27	0.39	0.41
123.	156.80	0.40	0.41
124.	156.22	0.40	0.41
125.	155.89	0.41	0.42
126.	155.37	0.41	0.42
127.	154.79	0.42	0.42
128.	154.35	0.42	0.43
129.	153.94	0.42	0.43
130.	153.51	0.43	0.43
131.	152.93	0.43	0.44
132.	152.47	0.44	0.44
133.	152.02	0.44	0.44
134.	151.42	0.44	0.45
135.	151.00	0.45	0.45
136.	150.40	0.45	0.45
137.	149.99	0.46	0.46
138.	149.44	0.46	0.46
139.	149.00	0.47	0.46
140.	148.56	0.47	0.47
141.	148.04	0.47	0.47
142.	147.48	0.48	0.47
143.	147.11	0.48	0.48
144.	146.64	0.49	0.48
145.	146.15	0.49	0.48
146.	145.60	0.49	0.49
147.	145.10	0.50	0.49
148.	144.60	0.50	0.49
149.	144.19	0.51	0.50
150.	143.68	0.51	0.50
151.	143.35	0.51	0.50
152.	142.63	0.52	0.50
153.	142.28	0.52	0.51
154.	141.85	0.53	0.51
155.	141.35	0.53	0.51
156.	140.89	0.53	0.52
157.	140.41	0.54	0.52
158.	140.01	0.54	0.52
159.	139.37	0.55	0.53
160.	139.02	0.55	0.53
161.	138.55	0.55	0.53
162.	137.97	0.56	0.54
163.	137.53	0.56	0.54
164.	137.04	0.57	0.54
165.	136.63	0.57	0.55
166.	136.11	0.58	0.55
167.	135.73	0.58	0.55
168.	135.29	0.58	0.56
169.	134.75	0.59	0.56
170.	134.42	0.59	0.56
171.	133.82	0.60	0.57
172.	133.52	0.60	0.57

TRIAL A10

Table 24. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	133.03	0.60	0.57
174.	132.60	0.61	0.58
175.	132.13	0.61	0.58
176.	131.66	0.61	0.58
177.	131.23	0.62	0.59
178.	130.79	0.62	0.59
179.	130.32	0.63	0.59
180.	129.88	0.63	0.60
181.	129.42	0.63	0.60
182.	128.87	0.64	0.60
183.	128.43	0.64	0.61
184.	127.99	0.65	0.61
185.	127.51	0.65	0.61
186.	127.06	0.65	0.62
187.	126.56	0.66	0.62
188.	126.22	0.66	0.62
189.	125.76	0.66	0.63
190.	125.20	0.67	0.63
191.	124.91	0.67	0.63
192.	124.53	0.67	0.64
193.	124.01	0.68	0.64
194.	123.52	0.68	0.64
195.	123.05	0.69	0.65
196.	122.82	0.69	0.65
197.	122.20	0.69	0.65
198.	121.86	0.70	0.66
199.	121.63	0.70	0.66
200.	120.95	0.71	0.66
201.	120.44	0.71	0.67
202.	120.03	0.71	0.67
203.	119.65	0.72	0.67
204.	119.10	0.72	0.68
205.	118.78	0.72	0.68
206.	118.33	0.73	0.68
207.	117.88	0.73	0.69
208.	117.41	0.74	0.69
209.	117.05	0.74	0.69
210.	116.50	0.74	0.70
211.	116.16	0.75	0.70
212.	115.70	0.75	0.70
213.	115.19	0.75	0.71
214.	114.88	0.76	0.71
215.	114.42	0.76	0.71
216.	113.97	0.76	0.72
217.	113.57	0.77	0.72
218.	112.95	0.77	0.72
219.	112.63	0.78	0.73
220.	112.20	0.78	0.73
221.	111.80	0.78	0.73
222.	111.30	0.79	0.74
223.	110.78	0.79	0.74
224.	110.45	0.79	0.74
225.	109.93	0.80	0.75
226.	109.46	0.80	0.75
227.	108.98	0.81	0.75
228.	108.63	0.81	0.76
229.	108.22	0.81	0.76
230.	107.75	0.82	0.76

Table 24. Weight Loss thru Time (Cont.)

TRIM A10

TN	WN	RW	RT
231.	107.34	0.82	0.77
232.	106.82	0.83	0.77
233.	106.41	0.83	0.77
234.	105.95	0.83	0.78
235.	105.60	0.84	0.78
236.	105.07	0.84	0.78
237.	104.75	0.84	0.79
238.	104.17	0.85	0.79
239.	103.82	0.85	0.79
240.	103.86	0.86	0.80
241.	102.95	0.86	0.80
242.	102.54	0.86	0.80
243.	102.07	0.87	0.81
244.	101.79	0.87	0.81
245.	101.28	0.87	0.81
246.	100.79	0.88	0.82
247.	100.45	0.88	0.82
248.	99.96	0.88	0.82
249.	99.61	0.89	0.83
250.	99.05	0.89	0.83
251.	98.71	0.90	0.83
252.	98.33	0.90	0.84
253.	97.94	0.90	0.84
254.	97.63	0.90	0.84
255.	97.17	0.91	0.85
256.	96.81	0.91	0.85
257.	96.47	0.91	0.85
258.	96.08	0.92	0.86
259.	95.76	0.92	0.86
260.	95.36	0.92	0.86
261.	94.98	0.93	0.87
262.	94.61	0.93	0.87
263.	94.33	0.93	0.87
264.	93.94	0.94	0.88
265.	93.65	0.94	0.88
266.	93.29	0.94	0.88
267.	92.91	0.94	0.89
268.	92.63	0.95	0.89
269.	92.24	0.95	0.89
270.	92.02	0.95	0.90
271.	91.81	0.95	0.90
272.	91.60	0.96	0.90
273.	91.25	0.96	0.91
274.	91.02	0.96	0.91
275.	90.71	0.96	0.91
276.	90.49	0.97	0.92
277.	90.26	0.97	0.92
278.	90.03	0.97	0.92
279.	89.85	0.97	0.93
280.	89.62	0.97	0.93
281.	89.46	0.97	0.93
282.	89.21	0.98	0.94
283.	88.92	0.98	0.94
284.	88.87	0.98	0.94
285.	88.63	0.98	0.95
286.	88.52	0.98	0.95
287.	88.29	0.98	0.95
288.	88.08	0.99	0.96

TRIAL A10

Table 24. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
289.	87.94	0.99	0.96
290.	87.77	0.99	0.96
291.	87.71	0.99	0.97
292.	87.45	0.99	0.97
293.	87.44	0.99	0.97
294.	87.30	0.99	0.98
295.	87.19	0.99	0.98
296.	87.07	0.99	0.98
297.	86.87	1.00	0.99
298.	86.89	1.00	0.99
299.	86.74	1.00	0.99
300.	86.69	1.00	1.00
301.	86.46	1.00	1.00

Table 25. Dosage Measurements

TRIAL 39 (D<sup>0</sup>1-001), 24 JAN 79, 12:56:00, W<sup>3</sup> SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	27.24
4	.00	3.00	.00	125.77
5	.00	4.00	.00	1145.55
6	.00	5.00	.00	1113.50
7	.00	6.00	.00	1193.61
8	.00	7.00	.00	777.05
9	.00	8.00	.00	53.27
10	.00	9.00	.00	18.42

DOSAGE ALONG SIGHT LINE= 4454.41 (MG. MIN/M\*\*2)

Table 26. Concentration thru Time

TRIAL E9 (DP1-001), 24 JAN 78, 12:56:00, WF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	C	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.1	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0
4.3	0	0	0	0	0	0	0	0	0	0	0	0
5.3	0	0	0	0	0	0	0	0	0	0	0	0
6.4	0	0	0	0	0	0	0	0	0	0	0	0
7.4	0	0	0	0	0	0	0	0	0	0	0	0
8.5	1	0	0	0	0	0	0	0	0	0	0	0
9.6	1	0	0	0	0	0	0	0	0	0	0	0
10.6	1	0	0	0	0	0	0	0	0	0	0	0
11.7	1	0	0	0	0	0	0	0	0	0	0	0
12.8	0	0	0	0	0	0	0	0	0	0	0	0
13.9	0	0	0	0	0	0	0	0	0	0	0	0
14.9	C	0	0	0	0	0	0	0	0	0	0	0
15.9	8	0	0	0	0	0	7	0	0	0	0	0
17.0	31	0	0	0	0	0	16	14	0	0	0	0
18.1	136	0	0	0	0	0	7	128	0	0	0	0
19.1	221	0	0	0	0	0	8	208	5	0	0	0
20.2	134	0	0	0	0	0	0	133	0	0	0	0
21.2	405	0	0	0	0	0	87	317	0	0	0	0
22.3	362	0	0	0	0	0	46	815	0	0	0	0
23.4	519	0	0	0	0	0	8	510	0	0	0	0
24.4	217	0	0	0	0	0	2	215	0	0	0	0
25.5	851	0	0	0	0	0	0	843	7	0	0	0
26.6	2336	0	0	0	0	0	1354	467	14	0	0	0
27.6	370	0	0	0	0	0	348	22	0	0	0	0
28.7	142	0	0	0	0	0	141	0	0	0	0	0
29.7	614	0	0	0	0	0	563	50	0	0	0	0
30.9	287	0	0	0	0	0	221	65	0	0	0	0
31.9	836	0	0	0	0	0	818	16	0	0	0	0
32.9	2365	0	0	0	0	0	2355	8	0	0	0	0
34.0	1401	0	0	0	0	0	1400	0	0	0	0	0
35.1	1550	0	0	0	0	0	1550	0	0	0	0	0
36.1	2257	0	0	0	0	0	2256	0	0	0	0	0
37.2	1009	0	0	0	0	0	1008	0	0	0	0	0
38.2	1223	0	0	0	0	2	1219	0	0	0	0	0
39.3	2653	0	0	0	0	7	2645	0	0	0	0	0
40.4	1175	0	0	0	0	0	1174	0	0	0	0	0
41.4	377	0	0	0	0	0	376	0	0	0	0	0
42.5	1406	0	0	0	0	0	1405	0	0	0	0	0
43.6	1670	0	0	0	0	0	1670	0	0	0	0	0
44.6	990	0	0	0	0	1	988	0	0	0	0	0
45.7	3107	0	0	0	0	0	3107	0	0	0	0	0
46.7	2427	0	0	0	0	0	2427	0	0	0	0	0

Table 26. Concentration thru Time (Cont.)

TRIAL 19 (DF1-001), 24 JAN 76, 12:56:00, WP DRIVE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.8	1140	0	0	0	0	0	1128	12	0	0	0
48.9	1713	0	0	0	0	0	1700	12	0	0	0
49.9	683	0	0	0	0	0	564	118	0	0	0
51.0	191	0	0	0	0	0	190	1	0	0	0
52.1	59	0	0	0	0	0	59	0	0	0	0
53.1	775	0	0	0	0	0	775	0	0	0	0
54.2	330	0	0	0	0	0	299	30	0	0	0
55.2	445	0	0	0	0	0	423	21	0	0	0
56.3	11	0	0	0	0	0	11	0	0	0	0
57.4	38	0	0	0	0	0	35	2	0	0	0
58.4	217	0	0	0	3	2	210	0	0	0	0
59.5	1500	0	0	0	130	2	1367	0	0	0	0
60.6	1486	0	0	0	85	2	1392	6	0	0	0
61.6	935	0	0	0	23	0	49	961	0	0	0
62.7	184	0	0	0	6	0	0	177	0	0	0
63.7	1384	0	0	0	6	0	0	1376	0	0	0
64.8	5417	0	0	0	7	0	36	5001	371	0	0
65.9	1926	0	0	0	5	0	6	467	1445	0	0
66.9	1533	0	0	0	4	0	0	7	1520	0	0
68.0	1484	0	0	0	3	0	0	74	1388	17	0
69.1	1732	0	0	0	2	0	0	1523	204	1	0
70.1	255	0	0	0	1	0	0	250	3	0	0
71.2	438	0	0	0	0	0	0	396	41	0	0
72.2	700	0	0	0	0	0	0	195	504	0	0
73.2	678	0	0	0	0	0	0	634	43	0	0
74.4	1876	0	0	0	0	0	0	1205	671	0	0
75.4	2946	0	0	0	0	0	0	30	2901	13	0
76.5	2822	0	0	0	0	0	0	0	2812	9	0
77.6	2920	0	0	0	0	0	0	0	2920	0	0
78.5	1073	0	0	0	0	0	0	0	1072	0	0
79.7	988	0	0	0	0	0	0	392	596	0	0
80.7	310	0	0	0	0	0	0	227	81	0	0
81.8	155	0	0	0	0	0	0	153	1	0	0
82.9	63	0	0	0	0	0	0	36	26	0	0
83.9	372	0	0	0	0	0	0	61	309	1	0
85.0	2253	0	0	0	0	0	0	1801	451	0	0
86.1	2448	0	0	0	0	0	0	2399	48	0	0
87.1	1494	0	0	0	0	0	0	1463	31	0	0
88.2	2185	0	0	0	0	0	1798	886	0	0	0
89.2	1233	0	0	0	0	0	510	723	0	0	0
90.3	1919	0	0	0	0	6	1442	469	0	0	0
91.4	983	0	0	0	0	1	977	4	0	0	0
92.4	80	0	0	0	0	0	80	0	0	0	0
93.5	166	0	0	0	0	0	166	0	0	0	0
94.6	1194	0	0	0	0	0	1193	0	0	0	0

Table 25. Concentration thru Time (Cont.)

TRIAL E9 (DP1-001), 24 JAN 76, 12:56:00, WP SPMKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**2										
		10	9	8	7	6	5	4	3	2	1	
95.6	846	0	0	0	0	0	846	0	0	0	0	0
96.7	51	0	0	0	0	0	34	16	0	0	0	0
97.7	2395	0	0	0	0	0	2392	2	0	0	0	0
98.8	2248	0	0	0	0	0	2248	0	0	0	0	0
99.9	481	0	0	0	0	0	445	36	0	0	0	0
100.9	1390	0	0	0	0	0	991	398	0	0	0	0
102.0	3311	0	0	0	0	0	3253	58	0	0	0	0
103.1	1894	0	0	0	0	0	1894	0	0	0	0	0
104.1	3433	0	0	0	0	0	3433	0	0	0	0	0
105.2	665	0	0	0	0	0	665	0	0	0	0	0
106.2	30	0	0	0	0	0	30	0	0	0	0	0
107.3	217	0	0	0	0	0	216	0	0	0	0	0
108.4	532	0	0	0	0	0	519	12	0	0	0	0
109.4	3915	0	0	0	0	0	368	3545	0	0	0	0
110.5	431	0	0	0	0	0	3	427	0	0	0	0
111.6	2155	0	0	0	0	0	7	2148	0	0	0	0
112.6	182	0	0	0	0	0	2	180	0	0	0	0
113.7	2414	0	0	0	0	0	0	2414	0	0	0	0
114.7	4350	0	0	0	0	0	2132	2117	0	0	0	0
115.8	3446	0	0	0	0	0	2908	537	0	0	0	0
116.9	3224	0	0	0	0	0	111	3112	0	0	0	0
117.9	1191	0	0	0	0	0	0	1190	0	0	0	0
119.0	220	0	0	0	0	0	0	220	0	0	0	0
120.1	233	0	0	0	0	0	0	233	0	0	0	0
121.1	131	0	0	0	0	0	0	131	0	0	0	0
122.2	1199	0	0	0	0	0	0	1198	0	0	0	0
123.2	469	0	0	0	0	0	0	468	0	0	0	0
124.3	747	0	0	0	0	0	10	736	0	0	0	0
125.4	352	0	0	0	0	0	48	302	0	0	0	0
126.4	178	0	0	0	0	0	0	178	0	0	0	0
127.5	304	0	0	0	0	0	303	0	0	0	0	0
128.6	189	0	0	0	0	0	186	2	0	0	0	0
129.6	55	0	0	0	0	0	55	0	0	0	0	0
130.7	50	0	0	0	0	0	24	25	0	0	0	0
131.7	11	0	0	0	0	0	0	11	0	0	0	0
132.8	0	0	0	0	0	0	0	0	0	0	0	0
133.9	2	0	0	0	0	0	0	1	0	0	0	0
134.9	1	0	0	0	0	0	0	1	0	0	0	0
136.0	66	0	0	0	0	0	0	66	0	0	0	0
137.1	47	0	0	0	0	0	0	47	0	0	0	0
138.1	2	0	0	0	0	0	0	1	0	0	0	0
139.2	33	0	0	0	0	0	0	33	0	0	0	0
140.2	73	0	0	0	0	0	0	73	0	0	0	0
141.3	24	0	0	0	0	0	0	23	0	0	0	0
142.4	40	0	0	0	0	0	0	39	0	0	0	0

Table 26. Concentration thru Time (Cont.)

TRIAL 19 (DP1-CD1), 24 JAN 78, 12:56:00, WF SP/ME

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.4	57	0	0	0	0	0	0	56	0	0	0
144.5	27	0	0	0	0	0	0	21	5	0	0
145.6	3	0	0	0	0	0	0	0	2	0	0
146.6	41	0	0	0	0	0	0	0	0	11	30
147.7	149	0	0	0	0	0	0	0	0	147	1
148.7	92	0	0	0	0	0	0	0	0	81	0
149.8	24	0	0	0	0	0	0	0	13	10	0
150.9	38	0	0	0	0	0	0	0	14	23	0
151.9	181	0	0	0	0	0	0	0	61	120	0
153.0	192	0	0	0	0	0	0	0	6	185	0
154.1	216	0	0	0	0	0	0	0	0	215	0
155.1	246	0	0	0	0	0	0	0	24	221	0
156.2	163	0	0	0	0	0	0	0	3	159	0
157.2	731	0	0	0	0	0	0	0	509	221	0
158.3	276	0	0	0	0	0	0	0	42	233	0
159.4	50	0	0	0	0	0	0	0	0	48	0
160.4	72	0	0	0	0	0	0	0	0	70	1
161.5	258	0	0	0	0	0	0	0	71	65	121
162.6	697	0	0	0	0	0	0	0	132	81	483
163.6	328	0	0	0	0	0	0	0	157	94	76
164.7	624	0	0	0	0	0	0	0	390	174	59
165.7	180	0	0	0	0	0	0	0	35	143	1
166.8	27	0	0	0	0	0	0	0	0	14	12
167.9	407	0	0	0	0	0	0	0	0	211	195
168.9	693	0	0	0	0	0	0	0	495	188	9
170.0	2954	0	0	0	0	0	0	0	2934	18	1
171.1	4016	0	0	0	0	0	0	1275	2740	0	0
172.1	2729	0	0	0	0	0	0	713	2015	0	0
173.2	2644	0	0	0	0	0	0	2552	92	0	0
174.2	279	0	0	0	0	0	0	276	2	0	0
175.3	59	0	0	0	0	0	0	59	0	0	0
176.4	174	0	0	0	0	0	0	173	0	0	0
177.4	158	0	0	0	0	0	0	95	62	0	0
178.5	2364	0	0	0	0	0	0	25	2338	0	0
179.6	1048	0	0	0	0	0	0	594	453	0	0
180.6	797	0	0	0	0	0	119	667	9	0	0
181.7	1022	0	0	0	0	0	592	429	0	0	0
182.7	4137	0	0	0	0	0	242	3891	3	0	0
183.8	1439	0	0	0	0	0	60	481	862	34	0
184.9	905	0	0	0	0	0	0	8	983	12	0
185.9	515	0	0	0	0	0	0	0	477	37	0
187.0	429	0	0	0	0	0	0	0	247	181	0
188.1	787	0	0	0	0	0	0	0	733	53	0
189.1	1330	0	0	0	0	0	0	0	1276	53	0
190.2	886	0	0	0	0	0	0	0	877	8	0

Table 26. Concentration thru Time (Cont.)

TRIAL E9 (DF1-001), 24 JAN 78, 12:56:ED, WF SP (KE

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
191.2	192	0	0	0	0	C	0	78	111	2	0
192.3	2594	0	0	0	0	0	0	1601	981	1	0
193.4	623	C	0	0	0	C	C	182	440	0	0
194.4	751	0	0	0	0	0	0	580	170	0	0
195.5	2649	0	0	0	0	C	0	2645	3	0	0
196.6	771	0	0	0	0	0	0	289	482	0	0
197.6	979	0	C	C	0	C	C	12	954	11	0
198.7	1503	0	0	0	0	0	0	33	1469	5	0
199.7	876	0	0	0	0	C	C	0	876	0	0
200.9	573	0	0	0	0	0	0	0	573	0	0
201.9	318	0	0	0	0	C	0	116	201	0	0
202.9	388	0	0	0	0	0	0	350	36	0	0
204.0	332	0	C	0	C	C	0	319	12	0	0
205.1	816	0	0	0	0	0	0	605	211	0	0
206.1	767	0	0	0	0	0	0	731	35	0	0
207.2	1244	0	0	0	0	0	0	1175	69	0	0
208.2	127	0	C	C	0	C	0	50	76	0	0
209.3	879	0	0	0	0	0	0	733	145	0	0
210.4	637	0	C	C	0	C	0	67	546	3	0
211.4	406	0	0	0	0	0	0	43	358	4	0
212.5	208	C	C	0	0	C	0	107	101	0	0
213.6	425	0	0	0	0	0	0	318	106	0	0
214.6	142	0	0	0	0	C	C	35	106	0	0
215.7	127	0	0	0	0	0	0	2	124	0	0
216.7	273	0	0	0	0	0	0	132	140	0	0
217.8	105	0	0	0	0	0	0	7	97	0	0
218.9	169	0	0	0	0	0	0	56	112	0	0
219.9	321	0	0	0	0	0	0	23	297	0	0
221.0	102	0	0	0	0	C	C	0	101	0	0
222.1	174	0	0	0	0	0	0	0	174	0	0
223.1	308	C	0	0	0	C	C	1	306	0	0
224.2	183	0	0	0	0	0	0	145	37	0	0
225.2	139	0	0	0	0	0	0	15	124	0	0
226.3	75	0	0	0	0	0	0	0	74	1	0
227.4	328	0	0	0	0	0	0	67	259	0	0
228.4	600	0	0	0	0	0	0	3	596	0	0
229.5	346	0	0	0	0	0	0	0	345	0	0
230.6	16	0	0	0	0	0	0	0	15	0	0
231.6	39	0	0	0	0	0	0	31	7	0	0
232.7	189	0	0	0	0	0	0	135	53	0	0
233.7	219	0	0	0	0	C	C	0	218	0	0
234.8	125	0	0	0	0	0	0	0	124	0	0
235.9	171	0	0	0	0	0	0	37	133	0	0
236.9	190	0	0	0	0	0	0	8	181	0	0
238.0	37	0	0	0	0	C	0	0	37	0	0

Table 26. Concentration thru Time (Conc.)

TRIAL EE (DF1-CC1), 24 JAN 78, 12:56:00, WF SP (PE

TIME SECC	CL MC/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
239.1	206	0	0	C	0	C	C	183	21	0	C
240.1	282	0	0	0	0	0	0	275	6	0	0
241.2	794	0	0	C	0	C	C	793	C	C	0
242.2	442	0	0	0	0	0	90	348	3	0	0
243.3	177	0	0	0	0	C	127	49	0	0	0
244.4	404	0	0	0	0	0	7	395	0	0	0
245.4	57	0	0	C	0	C	C	55	1	0	0
246.5	146	0	0	0	0	0	0	0	145	0	0
247.6	22	C	0	0	0	C	0	0	21	C	0
248.6	29	0	0	0	0	0	0	19	9	0	0
250.5	236	C	C	0	0	C	C	235	0	0	0
251.5	148	0	0	0	0	0	2	136	10	0	0
252.6	42	0	0	0	0	C	16	20	5	0	C
253.6	64	0	0	0	0	0	35	28	0	0	0
254.7	70	0	C	C	0	C	39	29	0	0	0
255.7	65	0	0	0	0	0	57	7	0	0	0
256.8	83	0	C	0	0	C	82	0	C	C	C
257.9	72	0	0	0	0	0	71	0	0	0	0
258.9	39	0	C	0	0	C	38	C	0	0	0
260.0	106	0	0	0	1	0	105	0	0	0	0
261.1	36	0	0	C	0	C	36	0	0	C	0
262.1	63	0	0	0	0	0	63	0	0	0	0
263.2	35	0	0	0	0	C	C	34	C	C	0
264.2	116	0	0	0	0	0	0	116	0	0	0
265.3	176	0	0	0	0	C	C	176	C	C	0
266.4	29	0	0	0	0	0	0	29	0	0	0
267.4	51	0	0	C	0	C	C	51	C	C	C
268.5	273	0	0	0	0	0	0	273	0	0	0
269.6	58	C	0	0	0	C	C	58	C	C	C
270.5	123	0	0	0	0	0	0	123	0	0	0
271.7	94	0	C	C	C	C	C	93	C	0	C
272.7	76	0	0	0	0	0	0	1	75	0	0
273.8	71	0	C	C	0	C	C	6	64	C	0
274.9	48	0	0	0	0	0	0	48	0	0	0
275.9	68	0	0	0	0	C	C	68	C	0	0
277.0	67	0	0	0	0	0	0	66	0	0	0
278.1	37	0	0	0	0	C	C	36	0	0	0
279.1	3	0	0	0	0	0	0	0	2	0	0
280.2	25	C	0	0	0	C	C	25	0	0	0
281.2	41	0	0	0	0	0	0	39	1	0	0
282.3	26	0	0	0	0	0	C	9	16	C	0
283.4	33	0	0	0	0	0	0	0	33	0	0
284.4	13	0	0	0	0	C	C	7	5	C	0
285.5	4	0	0	0	0	0	3	0	0	0	0
286.6	10	0	0	0	0	0	9	0	0	0	C

Table 27. Dosage Measurements

TRIAL 310 (DP1-001), 24 JAN 78, 13:14:10, WP 54345

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MC.MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	4.93
4	.00	3.00	.00	6.99
5	.00	4.00	.00	371.40
6	.00	5.00	.00	1250.10
7	.00	6.00	.00	1110.29
8	.00	7.00	.00	217.94
9	.00	8.00	.00	119.25
10	.00	9.00	.00	100.34

DOSAGE ALONG SIGHT LINE = 3091.24 (MC.MIN/M\*\*2)

Table 28. Concentration thru Time

TRIAL 030 (CFI-001), 24 JAN 78, 13:14:10, WF SMOKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**2										
		10	9	8	7	(6)	5	4	3	2	1	
0.0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.1	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0
4.3	0	0	0	0	0	0	0	0	0	0	0	0
5.3	0	0	0	0	0	0	0	0	0	0	0	0
6.4	0	0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0	0	0
8.5	0	0	0	0	0	0	0	0	0	0	0	0
9.6	0	0	0	0	0	0	0	0	0	0	0	0
10.6	0	0	0	0	0	0	0	0	0	0	0	0
11.7	0	0	0	0	0	0	0	0	0	0	0	0
12.8	0	0	0	0	0	0	0	0	0	0	0	0
13.8	0	0	0	0	0	0	0	0	0	0	0	0
14.9	0	0	0	0	0	0	0	0	0	0	0	0
16.0	15	0	0	0	0	0	0	0	0	0	0	0
17.0	24	0	0	0	0	0	0	0	0	0	14	0
18.1	54	0	0	0	0	0	0	0	0	0	21	0
19.1	149	0	0	0	0	0	0	0	0	0	38	14
20.2	67	0	0	0	0	0	0	0	0	0	0	47
21.3	28	0	0	0	0	0	0	0	0	0	56	11
22.3	46	0	0	0	0	0	0	0	0	0	0	26
23.4	3	0	0	0	0	0	0	0	0	0	0	46
24.4	5	0	0	0	0	0	0	0	0	0	0	3
25.5	129	0	0	0	0	0	0	0	0	0	0	5
26.5	97	0	0	0	0	0	0	0	0	0	0	129
27.6	460	0	0	0	0	0	0	0	0	0	37	69
28.7	320	0	0	0	0	0	0	0	0	0	78	78
29.8	439	0	0	0	0	0	0	0	0	0	15	304
30.8	89	0	0	0	0	0	0	0	0	0	789	180
31.9	154	0	0	0	0	0	0	0	0	0	35	52
32.9	134	0	0	0	0	0	0	0	0	0	7	146
34.0	57	0	0	0	0	0	0	0	0	0	13	119
35.1	366	0	0	0	0	0	0	0	0	0	0	56
36.1	175	0	0	0	0	0	0	0	0	0	0	366
37.2	21	0	0	0	0	0	0	0	0	0	0	175
38.3	0	0	0	0	0	0	0	0	0	0	0	21
39.3	196	0	0	0	0	0	0	0	0	0	0	0
40.4	84	0	0	0	0	0	0	0	0	0	120	72
41.4	227	0	0	0	0	0	0	0	0	0	35	46
42.5	380	0	0	0	0	0	0	0	0	0	0	227
43.6	123	0	0	0	0	0	0	0	0	0	0	380
44.6	431	0	0	0	0	0	0	0	0	0	0	123
45.7	176	0	0	0	0	0	0	0	0	0	0	431
46.8	122	0	0	0	0	0	0	0	0	0	0	176
												122

Table 28. Concentration thru Time (Cont.)

TOTAL 010 (001-001), 21 JAN 78, 13:14:10, WF 0000E

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.8	239	0	0	0	0	0	0	0	0	164	75
48.9	804	0	0	0	0	0	0	0	0	728	75
49.9	501	0	0	0	0	0	0	0	0	485	16
51.0	184	0	0	0	0	0	0	0	0	150	34
52.1	359	0	0	0	0	0	0	0	0	6	353
53.1	700	0	0	0	0	0	0	0	0	0	700
54.2	010	0	0	0	0	0	0	0	0	0	210
55.3	98	0	0	0	0	0	0	0	0	6	16
56.3	312	0	0	0	0	0	0	0	6	16	64
57.4	130	0	0	0	0	0	0	0	67	707	21
58.4	122	0	0	0	0	0	0	0	29	76	24
59.5	390	0	0	0	0	0	0	0	7	111	3
60.6	124	0	0	0	0	0	0	0	1	388	0
61.6	97	0	0	0	0	0	0	0	0	124	0
62.7	214	0	0	0	0	0	0	0	0	88	8
63.8	541	0	0	0	0	0	0	0	0	5	208
64.8	276	0	0	0	0	0	0	0	0	0	541
65.9	249	0	0	0	0	0	0	0	0	68	210
66.9	568	0	0	0	0	0	0	0	6	337	5
67.9	123	0	0	0	0	0	0	0	118	449	0
69.0	237	0	0	0	0	0	0	0	39	16	7
70.1	87	0	0	0	0	0	0	0	18	011	7
71.1	197	0	0	0	0	0	0	0	2	80	0
72.2	395	0	0	0	0	0	0	103	87	0	0
73.2	248	0	0	0	0	0	0	24	370	0	0
74.3	59	0	0	0	0	0	0	86	162	0	0
75.3	20	0	0	0	0	0	0	12	56	0	0
76.4	826	0	0	0	0	0	0	0	20	0	0
77.4	1910	0	0	0	0	0	0	754	71	0	0
78.4	474	0	0	0	0	0	0	1582	327	0	0
79.5	187	0	0	0	0	0	0	442	31	0	0
80.6	39	0	0	0	0	0	0	24	162	0	0
81.6	1487	0	0	0	0	0	0	0	35	2	0
82.7	2811	0	0	0	0	0	0	1174	312	0	0
83.8	163	0	0	0	0	0	0	2591	219	0	0
84.8	26	0	0	0	0	0	0	157	5	0	0
85.9	87	0	0	0	0	0	0	26	0	0	0
86.9	108	0	0	0	0	0	0	86	0	0	0
88.0	89	0	0	0	0	0	0	107	0	0	0
89.1	25	0	0	0	0	0	0	89	0	0	0
90.1	1	0	0	0	0	0	0	16	0	0	0
91.2	14	0	0	0	0	0	0	1	0	0	0
92.3	576	0	0	0	0	0	13	0	0	0	0
93.3	352	0	0	0	0	0	0	575	0	0	0
94.4	348	0	0	0	0	0	268	84	0	0	0
							348	0	0	0	0

Table 28. Concentration thru Time (Cont.)

TRIAL EIC (CP1-001), 24 JAN 78, 13:14:10, KC 5110

TIME SECS	CL %M**2	CONCENTRATIONS %M**3										
		10	9	8	7	6	5	4	3	2	1	
95.4	60	0	0	0	0	0	60	0	0	0	0	0
96.5	30	0	0	0	10	0	19	0	0	0	0	0
97.6	201	0	0	0	201	0	0	0	0	0	0	0
98.6	159	0	0	0	159	0	0	0	0	0	0	0
99.7	44	0	0	0	39	0	4	0	0	0	0	0
100.8	7	0	0	0	1	0	5	0	0	0	0	0
101.8	34	0	0	0	6	0	26	0	0	0	0	0
102.9	61	0	0	0	0	0	38	23	0	0	0	0
103.9	04	0	0	0	0	0	0	16	47	0	0	0
105.0	94	0	0	0	0	0	0	19	74	0	0	0
106.1	82	0	0	0	0	0	0	0	81	0	0	0
107.1	531	0	0	0	0	0	0	0	7	391	331	0
108.2	1468	0	0	0	0	0	0	0	993	556	18	0
109.3	376	0	0	0	0	0	0	0	230	645	0	0
110.3	1383	0	0	0	0	0	0	0	1322	60	0	0
111.4	949	0	0	0	0	0	0	0	486	357	4	0
112.4	634	0	0	0	0	0	0	0	464	164	4	0
113.5	213	0	0	0	0	0	0	0	205	7	0	0
114.6	1064	0	0	0	0	0	0	0	1063	0	0	0
115.6	953	0	0	0	0	0	0	0	953	0	0	0
116.7	413	0	0	0	0	0	0	0	413	0	0	0
117.3	379	0	0	0	0	0	0	0	379	0	0	0
118.9	362	0	0	0	0	0	0	0	362	0	0	0
119.9	2253	0	0	0	0	0	0	0	2253	0	0	0
120.9	1434	0	0	0	0	0	0	0	1434	0	0	0
122.0	958	0	0	0	0	0	0	0	958	0	0	0
123.1	1341	0	0	0	0	0	0	0	177	1163	0	0
124.1	2992	0	0	0	0	0	0	0	564	2427	0	0
125.2	616	0	0	0	0	0	0	0	12	604	0	0
126.3	568	0	0	0	0	0	0	0	0	568	0	0
127.7	757	0	0	0	0	0	0	0	0	757	0	0
128.4	2143	0	0	0	0	0	0	0	0	752	4	0
129.4	585	0	0	0	0	0	0	0	1354	239	0	0
130.5	231	0	0	0	0	0	0	0	0	559	0	0
131.6	605	0	0	0	0	0	0	0	80	150	0	0
132.6	786	0	0	0	0	0	0	0	127	477	0	0
133.7	197	0	0	0	0	0	0	0	25	760	0	0
134.8	1005	0	0	0	0	0	0	0	7	196	0	0
135.8	978	0	0	0	0	0	0	0	585	419	0	0
136.9	390	0	0	0	0	0	0	0	625	352	0	0
137.9	722	0	0	0	0	0	0	0	386	3	0	0
139.0	359	0	0	0	0	0	0	0	650	72	0	0
140.1	61	0	0	0	0	0	0	0	359	0	0	0
141.1	528	0	0	0	0	0	0	0	61	0	0	0
142.2	388	0	0	0	0	0	0	0	3	524	0	0
									24	364	0	0

Table 28. Concentration thru Time (Cont.)

TRIAL S10 (DP1-001), 24 JAN 78, 13:14:10, WF SPIKE

TIME SECS	CL PC/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
142.3	672	0	0	0	0	C	670	2	0	0	0	0
144.3	1630	0	0	0	0	0	309	1307	14	0	0	0
145.4	3219	0	0	0	0	C	26	3186	5	0	0	0
146.4	3047	0	0	0	0	0	0	3047	0	0	0	0
147.5	1167	0	0	0	0	C	C	1167	0	0	0	0
148.6	1042	0	0	0	0	0	0	1042	0	0	0	0
149.6	512	C	0	0	0	C	0	266	244	0	0	0
150.7	1142	0	0	0	0	0	0	905	237	0	0	0
151.8	946	C	0	0	0	C	C	338	607	0	0	0
152.8	629	0	0	0	0	0	0	364	265	0	0	0
153.9	584	0	0	0	0	C	0	221	362	0	0	0
154.9	302	0	0	0	0	0	0	2	300	0	0	0
156.0	743	C	C	0	0	C	C	6	736	1	0	0
157.1	551	0	0	0	0	0	0	0	551	0	0	0
158.1	658	0	C	0	0	C	C	C	658	0	0	0
159.2	504	0	0	0	0	0	0	0	499	4	0	0
160.2	286	C	C	C	C	C	C	C	285	0	0	0
161.3	230	0	0	0	0	0	0	0	230	0	0	0
162.4	522	0	0	0	0	C	C	0	382	138	0	0
163.4	699	0	0	0	0	0	0	0	298	401	0	0
164.5	140	C	0	0	0	C	0	14	77	48	0	0
165.6	69	0	0	0	0	0	0	9	36	23	0	0
166.6	132	0	0	0	0	C	0	0	49	82	0	0
167.7	241	0	0	0	0	0	0	0	210	30	0	0
168.7	151	0	0	0	0	C	C	C	139	12	0	0
169.8	50	0	0	0	0	0	0	0	48	2	0	0
170.9	19	0	0	0	0	C	C	0	19	0	0	0
171.9	167	0	0	0	0	0	0	0	115	47	4	0
173.0	173	0	0	0	0	C	C	171	1	0	0	0
174.1	40	0	0	0	0	0	0	34	5	0	0	0
175.1	21	0	0	0	0	C	C	20	0	0	0	0
176.2	91	0	0	0	0	0	0	10	80	0	0	0
177.2	513	0	0	0	0	C	C	511	1	0	0	0
178.2	385	0	0	0	0	0	0	370	14	0	0	0
179.3	1017	0	0	0	0	C	C	1017	0	0	0	0
180.4	601	0	0	0	0	0	0	601	0	0	0	0
181.4	411	0	0	0	0	C	C	411	0	0	0	0
182.5	358	0	0	0	0	0	7	350	0	0	0	0
183.6	1292	C	0	0	0	C	8	1284	0	0	0	0
184.6	1872	0	0	0	0	0	0	1871	0	0	0	0
185.7	857	0	0	0	0	0	0	857	0	0	0	0
186.8	137	0	0	0	0	0	0	137	0	0	0	0
187.8	53	0	0	0	0	C	C	53	0	0	0	0
188.9	49	0	0	0	0	0	0	49	0	0	0	0
189.9	208	0	0	0	0	0	0	208	0	0	0	0

Table 28. Concentration thru Time (Cont.)

TRIAL 010 (DF1-001), 24 JAN 76, 13:14:10, WF CRKE

TIME DECC	CL MG/M**3	CONCENTRATION MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
191.0	28	0	0	0	0	0	9	18	0	0	0	0
192.1	156	0	0	0	0	0	27	129	0	0	0	0
193.1	31	0	0	0	0	0	0	30	0	0	0	0
194.2	217	0	0	0	0	0	0	0	0	0	0	0
195.2	717	0	0	0	0	0	216	0	0	0	0	0
196.3	108	0	0	0	0	0	717	0	0	0	0	0
197.7	71	0	0	0	0	0	97	10	0	0	0	0
198.4	0	0	0	0	0	0	1	69	0	0	0	0
199.4	69	0	0	0	0	0	0	0	0	0	0	0
200.5	417	0	0	0	0	0	0	69	0	0	0	0
201.6	148	0	0	0	0	0	0	416	0	0	0	0
202.6	1133	0	0	0	0	0	0	148	0	0	0	0
203.7	765	0	0	0	0	0	0	1132	0	0	0	0
204.8	35	0	0	0	0	0	0	765	0	0	0	0
205.8	155	0	0	0	0	0	0	34	0	0	0	0
206.9	148	0	0	0	0	0	153	1	0	0	0	0
207.9	886	0	0	0	0	0	148	0	0	0	0	0
208.0	1705	0	0	0	0	0	522	362	0	0	0	0
210.6	80	0	0	0	0	0	184	1520	0	0	0	0
211.6	63	0	0	0	0	0	0	60	0	0	0	0
212.7	59	0	0	0	0	0	0	62	1	0	0	0
213.8	394	0	0	0	0	0	0	34	24	0	0	0
214.8	774	0	0	0	0	0	0	373	21	0	0	0
215.9	953	0	0	0	0	0	0	773	1	0	0	0
216.9	764	0	0	0	0	0	0	752	101	0	0	0
218.0	1156	0	0	0	0	0	0	521	242	0	0	0
219.1	350	0	0	0	0	0	0	1140	11	0	0	0
220.1	1238	0	0	0	0	0	0	350	0	0	0	0
221.2	301	0	0	0	0	0	0	1238	0	0	0	0
222.3	55	0	0	0	0	0	0	300	0	0	0	0
223.3	81	0	0	0	0	0	0	53	0	0	0	0
224.4	57	0	0	0	0	0	0	80	0	0	0	0
225.4	205	0	0	0	0	0	0	18	39	0	0	0
226.5	217	0	0	0	0	0	0	164	40	0	0	0
227.6	303	0	0	0	0	0	0	215	2	0	0	0
228.6	28	0	0	0	0	0	0	303	0	0	0	0
229.7	157	0	0	0	0	0	0	24	3	0	0	0
230.8	400	0	0	0	0	0	0	157	0	0	0	0
231.8	302	0	0	0	0	0	0	400	0	0	0	0
232.9	55	0	0	0	0	0	0	262	20	0	0	0
233.9	18	0	0	0	0	0	0	53	1	0	0	0
234.9	20	0	0	0	0	0	0	17	0	0	0	0
236.0	34	0	0	0	0	0	0	0	17	0	0	0
237.1	109	0	0	0	0	0	0	0	25	0	0	0
238.1	682	0	0	0	0	0	0	0	20	0	0	0
									127	0	0	0
										95	0	0
										159	0	0

Table 28. Concentration thru Time (Cont.)

TRIAL E1C (DP1-001), 24 JAN 78, 13:14:10, WF SCKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
239.1	170	0	0	0	0	0	0	0	116	54	0
240.2	21	0	0	0	0	0	0	14	4	1	0
241.3	254	0	0	0	0	0	0	254	0	0	0
242.3	65	0	0	0	0	0	0	65	0	0	0
247.4	370	0	0	0	0	0	0	370	0	0	0
244.4	414	0	0	0	0	0	0	414	0	0	0
245.5	368	0	0	0	0	0	0	69	298	0	0
246.6	42	0	0	0	0	0	0	4	38	0	0
247.6	21	0	0	0	0	0	0	20	0	0	0
248.6	46	0	0	0	0	0	0	46	0	0	0
249.7	291	0	0	0	0	0	1	289	0	0	0
250.8	462	0	0	0	0	0	0	462	0	0	0
251.8	418	0	0	0	0	0	0	418	0	0	0
252.9	636	0	0	0	0	0	0	636	0	0	0
257.9	78	0	0	0	0	0	0	68	10	0	0
255.0	220	0	0	0	0	0	0	0	121	99	0
256.1	184	0	0	0	0	0	0	0	7	176	0
257.1	294	0	0	0	0	0	0	2	80	210	0
258.2	245	0	0	0	0	0	0	210	20	13	0
259.3	125	0	0	0	0	0	0	85	39	0	0
260.3	200	0	0	0	0	0	0	1	198	0	0
261.4	17	0	0	0	0	0	0	0	17	0	0
262.4	0	0	0	0	0	0	0	0	0	0	0
263.5	81	0	0	0	0	0	0	0	8	71	0
264.6	147	0	0	0	0	0	0	0	16	130	0
265.6	23	0	0	0	0	0	0	0	4	19	0
266.7	16	0	0	0	0	0	0	0	16	0	0
267.8	75	0	0	0	0	0	0	0	74	0	0
268.8	14	0	0	0	0	0	0	8	6	0	0
269.9	45	0	0	0	0	0	2	42	0	0	0
270.9	116	0	0	0	0	0	3	113	0	0	0
272.0	113	0	0	0	0	0	109	4	0	0	0
273.1	8	0	0	0	0	0	8	0	0	0	0
274.1	0	0	0	0	0	0	0	0	0	0	0
275.2	51	0	0	0	0	0	0	51	0	0	0
276.3	44	0	0	0	0	0	1	38	4	0	0
277.3	5	0	0	0	0	0	0	0	5	0	0
279.4	5	0	0	0	0	0	0	5	0	0	0
279.4	25	0	0	0	0	0	0	25	0	0	0
280.5	61	0	0	0	0	0	0	60	0	0	0
281.5	29	0	0	0	0	0	0	29	0	0	0
282.6	26	0	0	0	0	0	26	0	0	0	0
283.6	12	0	0	0	0	0	12	0	0	0	0
284.7	29	0	0	0	0	0	29	0	0	0	0
285.8	15	0	0	0	0	0	0	6	0	0	0

Table 28. Concentration thru Time (Conc.)

TRIAL 110 (DP1-001), 24 JAN 76, 13:14:10, WT 510KG

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
286.9	51	0	0	0	0	0	1	50	0	0	0
287.9	8	0	0	0	0	0	0	0	0	0	0
288.9	5	0	0	0	0	0	0	1	6	0	0
290.0	5	0	0	0	0	0	0	5	0	0	0
291.1	0	0	0	0	0	0	0	4	0	0	0
292.1	0	0	0	0	0	0	0	0	0	0	0
293.2	4	0	0	0	0	0	0	0	0	0	0
294.3	2	0	0	0	0	0	0	0	4	0	0
295.3	0	0	0	0	0	0	0	0	2	0	0
296.4	0	0	0	0	0	0	0	0	0	0	0
297.4	1	0	0	0	0	0	0	0	0	0	0
298.5	0	0	0	0	0	0	0	1	0	0	0
299.6	1	0	0	0	0	0	0	0	0	0	0
300.6	0	0	0	0	0	0	0	1	0	0	0
301.7	0	0	0	0	0	0	0	0	0	0	0
302.3	0	0	0	0	0	0	0	0	0	0	0
303.8	0	0	0	0	0	0	0	0	0	0	0
304.9	0	0	0	0	0	0	0	0	0	0	0
305.9	0	0	0	0	0	0	0	0	0	0	0
307.0	0	0	0	0	0	0	0	0	0	0	0
308.1	0	0	0	0	0	0	0	0	0	0	0
309.1	0	0	0	0	0	0	0	0	0	0	0
310.2	0	0	0	0	0	0	0	0	0	0	0
311.3	0	0	0	0	0	0	0	0	0	0	0
312.7	0	0	0	0	0	0	0	0	0	0	0
313.4	0	0	0	0	0	0	0	0	0	0	0
314.4	0	0	0	0	0	0	0	0	0	0	0
315.5	0	0	0	0	0	0	0	0	0	0	0
316.6	0	0	0	0	0	0	0	0	0	0	0
317.6	0	0	0	0	0	0	0	0	0	0	0
318.7	0	0	0	0	0	0	0	0	0	0	0
319.8	0	0	0	0	0	0	0	0	0	0	0
320.8	0	0	0	0	0	0	0	0	0	0	0
321.9	0	0	0	0	0	0	0	0	0	0	0
322.9	0	0	0	0	0	0	0	0	0	0	0
324.0	0	0	0	0	0	0	0	0	0	0	0
325.1	0	0	0	0	0	0	0	0	0	0	0
326.1	0	0	0	0	0	0	0	0	0	0	0
327.2	1	0	0	0	0	0	0	0	0	0	0
328.3	0	0	0	0	0	0	0	0	0	0	0
329.3	0	0	0	0	0	0	0	0	0	0	0
330.4	0	0	0	0	0	0	0	0	0	0	0
331.4	0	0	0	0	0	0	0	0	0	0	0
332.4	0	0	0	0	0	0	0	0	0	0	0
333.5	0	0	0	0	0	0	0	0	0	0	0

Table 29. Weight Loss thru Time

TRIAL A6 TN	WN	RW	RT
0.	100.91	0.00	0.00
1.	100.55	0.01	0.00
2.	100.55	0.01	0.01
3.	100.70	0.00	0.01
4.	101.01	-0.00	0.01
5.	100.48	0.01	0.01
6.	100.43	0.01	0.02
7.	99.72	0.02	0.02
8.	99.09	0.06	0.02
9.	98.73	0.04	0.03
10.	99.38	0.03	0.03
11.	99.23	0.03	0.03
12.	99.00	0.04	0.03
13.	98.82	0.04	0.04
14.	98.78	0.04	0.04
15.	98.56	0.05	0.04
16.	98.29	0.05	0.04
17.	98.14	0.05	0.05
18.	97.74	0.06	0.05
19.	97.46	0.07	0.05
20.	97.56	0.07	0.06
21.	97.39	0.07	0.06
22.	96.91	0.08	0.06
23.	96.70	0.08	0.06
24.	96.62	0.08	0.07
25.	96.20	0.09	0.07
26.	96.05	0.10	0.07
27.	95.71	0.10	0.08
28.	95.35	0.11	0.08
29.	95.23	0.11	0.08
30.	95.04	0.11	0.08
31.	94.85	0.12	0.09
32.	94.53	0.13	0.09
33.	94.22	0.13	0.09
34.	93.84	0.14	0.09
35.	93.81	0.14	0.10
36.	93.65	0.14	0.10
37.	93.23	0.15	0.10
38.	93.06	0.15	0.11
39.	92.74	0.16	0.11
40.	92.66	0.16	0.11
41.	92.45	0.17	0.11
42.	92.28	0.17	0.12
43.	91.98	0.18	0.12
44.	91.66	0.18	0.12
45.	91.42	0.19	0.13
46.	91.20	0.19	0.13
47.	91.11	0.19	0.13
48.	90.61	0.20	0.13
49.	90.48	0.20	0.14
50.	90.05	0.21	0.14
51.	90.01	0.21	0.14
52.	89.73	0.22	0.15
53.	89.58	0.22	0.15
54.	89.16	0.23	0.15
55.	89.00	0.23	0.15
56.	88.81	0.24	0.16

TRIAL A6

Table 29. Weight Loss thru Time (Cont.)

TN	WN	SW	RT
57	86.55	0.24	0.16
58	86.48	0.24	0.16
59	86.34	0.25	0.16
60	87.37	0.26	0.17
61	87.73	0.26	0.17
62	87.36	0.27	0.17
63	87.12	0.27	0.18
64	87.06	0.27	0.18
65	86.92	0.27	0.18
66	86.55	0.28	0.18
67	86.30	0.29	0.19
68	85.85	0.30	0.19
69	85.00	0.29	0.19
70	85.75	0.30	0.20
71	85.33	0.31	0.20
72	85.33	0.30	0.20
73	85.12	0.31	0.20
74	84.97	0.31	0.21
75	84.65	0.32	0.21
76	84.30	0.32	0.21
77	84.26	0.32	0.22
78	84.13	0.33	0.22
79	83.94	0.33	0.22
80	83.53	0.34	0.22
81	83.45	0.34	0.23
82	83.21	0.35	0.23
83	83.19	0.35	0.23
84	82.81	0.35	0.23
85	82.72	0.36	0.24
86	82.46	0.36	0.24
87	82.14	0.37	0.24
88	81.87	0.37	0.25
89	81.92	0.37	0.25
90	81.60	0.38	0.25
91	81.33	0.38	0.25
92	81.06	0.39	0.26
93	80.99	0.39	0.26
94	80.66	0.40	0.26
95	80.63	0.40	0.27
96	80.43	0.40	0.27
97	80.26	0.40	0.27
98	80.02	0.41	0.27
99	79.84	0.41	0.28
100	79.61	0.42	0.28
101	79.35	0.42	0.28
102	79.40	0.42	0.28
103	78.91	0.43	0.29
104	78.84	0.43	0.29
105	78.67	0.44	0.29
106	78.55	0.44	0.30
107	78.23	0.44	0.30
108	78.11	0.45	0.30
109	77.83	0.45	0.30
110	77.64	0.46	0.31
111	77.24	0.46	0.31
112	77.24	0.46	0.31
113	77.12	0.47	0.32
114	76.95	0.47	0.32

TRIAL A6

Table 29. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	76.65	0.48	0.32
116.	76.50	0.48	0.32
117.	76.00	0.49	0.33
118.	76.20	0.48	0.33
119.	75.88	0.49	0.33
120.	75.65	0.50	0.34
121.	75.70	0.49	0.34
122.	75.27	0.50	0.34
123.	75.18	0.50	0.34
124.	75.03	0.51	0.35
125.	74.83	0.51	0.35
126.	74.65	0.51	0.35
127.	74.34	0.52	0.35
128.	74.07	0.53	0.36
129.	73.93	0.53	0.36
130.	73.75	0.53	0.36
131.	73.62	0.54	0.37
132.	73.42	0.54	0.37
133.	73.27	0.54	0.37
134.	72.75	0.55	0.37
135.	72.95	0.55	0.38
136.	72.54	0.56	0.38
137.	72.39	0.56	0.38
138.	72.30	0.56	0.39
139.	71.92	0.57	0.39
140.	71.69	0.57	0.39
141.	71.61	0.57	0.39
142.	71.49	0.58	0.40
143.	71.19	0.58	0.40
144.	71.01	0.59	0.40
145.	70.78	0.59	0.41
146.	70.72	0.59	0.41
147.	70.60	0.59	0.41
148.	70.51	0.60	0.41
149.	70.20	0.60	0.42
150.	70.03	0.61	0.42
151.	69.72	0.61	0.42
152.	69.69	0.61	0.42
153.	69.56	0.61	0.43
154.	69.18	0.62	0.43
155.	69.14	0.62	0.43
156.	68.91	0.63	0.44
157.	68.85	0.63	0.44
158.	68.58	0.63	0.44
159.	68.52	0.64	0.44
160.	68.40	0.64	0.45
161.	68.27	0.64	0.45
162.	68.08	0.64	0.45
163.	67.71	0.65	0.46
164.	67.62	0.65	0.46
165.	67.49	0.66	0.46
166.	67.42	0.66	0.46
167.	67.21	0.66	0.47
168.	67.20	0.66	0.47
169.	67.01	0.66	0.47
170.	66.73	0.67	0.47
171.	66.60	0.67	0.48
172.	66.54	0.67	0.48

TRIAL A6

Table 29. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	66. 27	0. 68	0. 48
174.	66. 18	0. 68	0. 49
175.	65. 91	0. 69	0. 49
176.	66. 10	0. 68	0. 49
177.	65. 72	0. 69	0. 49
178.	65. 66	0. 69	0. 50
179.	65. 47	0. 69	0. 50
180.	65. 35	0. 70	0. 50
181.	65. 25	0. 70	0. 51
182.	65. 19	0. 70	0. 51
183.	64. 97	0. 70	0. 51
184.	64. 63	0. 71	0. 51
185.	64. 47	0. 71	0. 52
186.	64. 42	0. 72	0. 52
187.	64. 28	0. 72	0. 52
188.	64. 24	0. 72	0. 53
189.	64. 07	0. 72	0. 53
190.	63. 92	0. 73	0. 53
191.	63. 69	0. 73	0. 53
192.	63. 54	0. 73	0. 54
193.	63. 53	0. 73	0. 54
194.	63. 40	0. 74	0. 54
195.	63. 30	0. 74	0. 54
196.	62. 98	0. 74	0. 55
197.	63. 07	0. 74	0. 55
198.	62. 78	0. 75	0. 55
199.	62. 87	0. 75	0. 56
200.	62. 72	0. 75	0. 56
201.	62. 46	0. 75	0. 56
202.	62. 34	0. 76	0. 56
203.	62. 34	0. 76	0. 57
204.	62. 16	0. 76	0. 57
205.	62. 16	0. 76	0. 57
206.	62. 08	0. 76	0. 58
207.	61. 63	0. 77	0. 58
208.	61. 67	0. 77	0. 58
209.	61. 57	0. 77	0. 58
210.	61. 64	0. 77	0. 59
211.	61. 34	0. 78	0. 59
212.	61. 25	0. 78	0. 59
213.	61. 01	0. 78	0. 59
214.	60. 93	0. 78	0. 60
215.	60. 72	0. 79	0. 60
216.	60. 79	0. 79	0. 60
217.	60. 73	0. 79	0. 61
218.	60. 52	0. 79	0. 61
219.	60. 28	0. 80	0. 61
220.	60. 31	0. 80	0. 61
221.	60. 22	0. 80	0. 62
222.	60. 08	0. 80	0. 62
223.	59. 94	0. 80	0. 62
224.	59. 76	0. 81	0. 63
225.	59. 67	0. 81	0. 63
226.	59. 56	0. 81	0. 63
227.	59. 63	0. 81	0. 63
228.	59. 53	0. 81	0. 64
229.	59. 20	0. 82	0. 64
230.	59. 12	0. 82	0. 64

TRIAL A6

Table 29. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	59.05	0.62	0.65
232.	59.03	0.62	0.65
233.	58.76	0.63	0.65
234.	58.84	0.62	0.65
235.	58.49	0.63	0.66
236.	58.52	0.63	0.66
237.	58.32	0.63	0.66
238.	58.29	0.64	0.66
239.	58.18	0.64	0.67
240.	58.12	0.64	0.67
241.	58.00	0.64	0.67
242.	57.83	0.64	0.68
243.	57.82	0.64	0.68
244.	57.62	0.65	0.68
245.	57.79	0.65	0.68
246.	57.65	0.65	0.69
247.	57.65	0.65	0.69
248.	57.17	0.66	0.69
249.	57.18	0.66	0.70
250.	56.91	0.66	0.70
251.	56.92	0.66	0.70
252.	56.80	0.66	0.70
253.	56.59	0.67	0.71
254.	56.56	0.67	0.71
255.	56.48	0.67	0.71
256.	56.41	0.67	0.72
257.	56.21	0.68	0.72
258.	56.10	0.68	0.72
259.	56.07	0.68	0.72
260.	56.03	0.68	0.73
261.	55.83	0.68	0.73
262.	55.92	0.68	0.73
263.	55.65	0.69	0.73
264.	55.62	0.69	0.74
265.	55.62	0.69	0.74
266.	55.41	0.69	0.74
267.	55.21	0.90	0.75
268.	55.24	0.90	0.75
269.	55.22	0.90	0.75
270.	54.98	0.90	0.75
271.	55.01	0.90	0.76
272.	54.83	0.90	0.76
273.	54.86	0.90	0.76
274.	54.65	0.91	0.77
275.	54.60	0.91	0.77
276.	54.57	0.91	0.77
277.	54.38	0.91	0.77
278.	54.42	0.91	0.78
279.	54.43	0.91	0.78
280.	54.05	0.92	0.78
281.	54.16	0.92	0.78
282.	54.04	0.92	0.79
283.	53.90	0.92	0.79
284.	53.90	0.92	0.79
285.	53.80	0.92	0.80
286.	53.75	0.92	0.80
287.	53.58	0.93	0.80
288.	53.45	0.93	0.80

Table 29. Weight Loss thru Time (Cont.)

TRIAL A6	TN	WN	RW	RT
	289.	53.51	0.93	0.81
	290.	53.40	0.93	0.81
	291.	53.22	0.93	0.81
	292.	53.42	0.93	0.82
	293.	52.98	0.94	0.82
	294.	53.02	0.94	0.82
	295.	53.21	0.94	0.82
	296.	52.89	0.94	0.83
	297.	52.76	0.94	0.83
	298.	52.90	0.94	0.83
	299.	52.54	0.95	0.84
	300.	52.73	0.94	0.84
	301.	52.54	0.95	0.84
	302.	52.51	0.95	0.84
	303.	52.60	0.95	0.85
	304.	52.37	0.95	0.85
	305.	52.26	0.95	0.85
	306.	52.46	0.95	0.85
	307.	52.05	0.96	0.86
	308.	52.11	0.96	0.86
	309.	51.96	0.96	0.86
	310.	51.90	0.96	0.87
	311.	52.02	0.96	0.87
	312.	51.76	0.96	0.87
	313.	51.81	0.96	0.87
	314.	51.85	0.96	0.88
	315.	51.48	0.97	0.88
	316.	51.69	0.96	0.88
	317.	51.57	0.97	0.89
	318.	51.57	0.97	0.89
	319.	51.60	0.97	0.89
	320.	51.28	0.97	0.89
	321.	51.20	0.97	0.90
	322.	51.37	0.97	0.90
	323.	51.17	0.98	0.90
	324.	51.13	0.98	0.91
	325.	51.00	0.98	0.91
	326.	51.08	0.98	0.91
	327.	51.20	0.97	0.91
	328.	50.85	0.98	0.92
	329.	50.96	0.98	0.92
	330.	50.94	0.98	0.92
	331.	50.67	0.98	0.92
	332.	50.81	0.98	0.93
	333.	50.66	0.99	0.93
	334.	50.66	0.99	0.93
	335.	50.73	0.98	0.94
	336.	50.49	0.99	0.94
	337.	50.63	0.99	0.94
	338.	50.59	0.99	0.94
	339.	50.55	0.99	0.95
	340.	50.40	0.99	0.95
	341.	50.40	0.99	0.95
	342.	50.49	0.99	0.96
	343.	50.37	0.99	0.96
	344.	50.32	0.99	0.96
	345.	50.28	0.99	0.96
	346.	50.40	0.99	0.97

TRIAL A6

Table 29. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
347.	50.40	0.99	0.97
348.	50.14	1.00	0.97
349.	50.38	0.99	0.97
350.	50.34	0.99	0.98
351.	50.28	0.99	0.98
352.	50.15	1.00	0.98
353.	50.19	0.99	0.99
354.	50.14	1.00	0.99
355.	50.06	1.00	0.99
356.	50.11	1.00	0.99
357.	50.06	1.00	1.00
358.	49.90	1.00	1.00



TRIAL BY

Table 30. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	108. 77	0. 15	0. 14
58.	108. 18	0. 16	0. 14
59.	107. 96	0. 17	0. 14
60.	107. 45	0. 17	0. 14
61.	106. 89	0. 18	0. 15
62.	106. 84	0. 18	0. 15
63.	106. 27	0. 19	0. 15
64.	105. 77	0. 19	0. 15
65.	105. 19	0. 20	0. 16
66.	104. 82	0. 21	0. 16
67.	105. 24	0. 20	0. 16
68.	104. 77	0. 21	0. 16
69.	104. 55	0. 21	0. 17
70.	104. 32	0. 21	0. 17
71.	104. 01	0. 22	0. 17
72.	103. 82	0. 22	0. 17
73.	103. 16	0. 23	0. 17
74.	103. 01	0. 23	0. 18
75.	102. 39	0. 24	0. 18
76.	102. 03	0. 24	0. 18
77.	101. 88	0. 24	0. 18
78.	101. 37	0. 25	0. 19
79.	101. 00	0. 26	0. 19
80.	100. 97	0. 26	0. 19
81.	100. 40	0. 26	0. 19
82.	100. 34	0. 26	0. 20
83.	100. 41	0. 26	0. 20
84.	100. 46	0. 26	0. 20
85.	100. 44	0. 26	0. 20
86.	99. 50	0. 28	0. 21
87.	98. 88	0. 28	0. 21
88.	98. 74	0. 29	0. 21
89.	98. 84	0. 28	0. 21
90.	98. 38	0. 29	0. 22
91.	98. 25	0. 29	0. 22
92.	97. 46	0. 30	0. 22
93.	97. 44	0. 30	0. 22
94.	97. 68	0. 30	0. 22
95.	97. 64	0. 30	0. 23
96.	97. 53	0. 30	0. 23
97.	96. 96	0. 31	0. 23
98.	95. 81	0. 32	0. 23
99.	95. 58	0. 33	0. 24
100.	95. 81	0. 32	0. 24
101.	95. 37	0. 33	0. 24
102.	94. 20	0. 34	0. 24
103.	93. 87	0. 35	0. 25
104.	93. 77	0. 35	0. 25
105.	94. 14	0. 35	0. 25
106.	93. 51	0. 35	0. 25
107.	93. 04	0. 36	0. 26
108.	93. 21	0. 36	0. 26
109.	92. 67	0. 36	0. 26
110.	91. 77	0. 38	0. 26
111.	91. 44	0. 38	0. 27
112.	91. 41	0. 38	0. 27
113.	91. 29	0. 38	0. 27
114.	90. 80	0. 39	0. 27

Table 30. Weight Loss thru Time (Cont.)

TRIAL 67

TN	WN	RW	RT
115.	90.41	0.39	0.28
116.	90.11	0.40	0.28
117.	90.04	0.40	0.28
118.	89.59	0.40	0.28
119.	88.94	0.41	0.28
120.	89.12	0.41	0.29
121.	88.78	0.42	0.29
122.	88.06	0.42	0.29
123.	88.59	0.42	0.29
124.	88.68	0.42	0.30
125.	87.49	0.43	0.30
126.	87.59	0.43	0.30
127.	87.10	0.44	0.30
128.	86.66	0.44	0.31
129.	86.27	0.45	0.31
130.	86.31	0.45	0.31
131.	85.87	0.45	0.31
132.	85.62	0.46	0.32
133.	85.22	0.46	0.32
134.	85.49	0.46	0.32
135.	85.44	0.46	0.32
136.	84.87	0.47	0.33
137.	84.94	0.47	0.33
138.	84.66	0.47	0.33
139.	84.77	0.47	0.33
140.	84.00	0.48	0.33
141.	83.78	0.48	0.34
142.	83.39	0.49	0.34
143.	83.28	0.49	0.34
144.	82.84	0.49	0.34
145.	82.46	0.50	0.35
146.	82.43	0.50	0.35
147.	82.31	0.50	0.35
148.	82.20	0.50	0.35
149.	81.46	0.51	0.36
150.	81.61	0.51	0.36
151.	81.23	0.51	0.36
152.	81.32	0.51	0.36
153.	80.76	0.52	0.37
154.	80.29	0.53	0.37
155.	79.95	0.53	0.37
156.	80.05	0.53	0.37
157.	80.16	0.53	0.38
158.	79.74	0.53	0.38
159.	79.05	0.54	0.38
160.	78.86	0.54	0.38
161.	78.83	0.55	0.39
162.	78.38	0.55	0.39
163.	78.08	0.55	0.39
164.	78.04	0.56	0.39
165.	78.61	0.55	0.39
166.	77.91	0.56	0.40
167.	77.81	0.56	0.40
168.	77.51	0.56	0.40
169.	77.00	0.57	0.40
170.	76.53	0.58	0.41
171.	76.51	0.58	0.41
172.	75.94	0.58	0.41

TRIAL B7

Table 30. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	76. 13	0. 58	0. 41
174.	75. 95	0. 58	0. 42
175.	76. 40	0. 58	0. 42
176.	76. 88	0. 57	0. 42
177.	75. 98	0. 58	0. 42
178.	75. 53	0. 59	0. 43
179.	75. 87	0. 58	0. 43
180.	75. 78	0. 58	0. 43
181.	75. 46	0. 59	0. 43
182.	75. 01	0. 59	0. 44
183.	75. 38	0. 59	0. 44
184.	74. 60	0. 60	0. 44
185.	74. 31	0. 60	0. 44
186.	73. 41	0. 62	0. 44
187.	73. 02	0. 62	0. 45
188.	73. 47	0. 61	0. 45
189.	73. 24	0. 62	0. 45
190.	72. 94	0. 62	0. 45
191.	73. 43	0. 62	0. 46
192.	73. 05	0. 62	0. 46
193.	72. 83	0. 62	0. 46
194.	73. 54	0. 62	0. 46
195.	72. 41	0. 63	0. 47
196.	72. 26	0. 63	0. 47
197.	71. 36	0. 64	0. 47
198.	71. 21	0. 64	0. 47
199.	70. 59	0. 65	0. 48
200.	70. 24	0. 66	0. 48
201.	69. 36	0. 66	0. 48
202.	69. 48	0. 67	0. 48
203.	69. 54	0. 67	0. 49
204.	68. 35	0. 68	0. 49
205.	69. 15	0. 67	0. 49
206.	69. 14	0. 67	0. 49
207.	69. 36	0. 67	0. 50
208.	69. 03	0. 67	0. 50
209.	69. 03	0. 67	0. 50
210.	68. 30	0. 68	0. 50
211.	68. 57	0. 68	0. 50
212.	68. 32	0. 68	0. 51
213.	67. 67	0. 69	0. 51
214.	67. 71	0. 69	0. 51
215.	67. 17	0. 70	0. 51
216.	66. 99	0. 70	0. 52
217.	67. 32	0. 70	0. 52
218.	67. 44	0. 69	0. 52
219.	66. 58	0. 70	0. 52
220.	66. 83	0. 70	0. 53
221.	66. 14	0. 71	0. 53
222.	65. 47	0. 72	0. 53
223.	65. 69	0. 72	0. 53
224.	65. 17	0. 72	0. 54
225.	64. 75	0. 73	0. 54
226.	64. 59	0. 73	0. 54
227.	64. 72	0. 73	0. 54
228.	65. 31	0. 72	0. 55
229.	65. 17	0. 72	0. 55
230.	64. 57	0. 73	0. 55

Table 30. Weight Loss thru Time (Cont.)

TRIAL B7

TN	NN	RW	RT
231.	64. 39	0. 73	0. 55
232.	64. 47	0. 73	0. 56
233.	64. 55	0. 73	0. 56
234.	64. 26	0. 74	0. 56
235.	63. 73	0. 74	0. 56
236.	63. 60	0. 74	0. 56
237.	63. 19	0. 75	0. 57
238.	62. 90	0. 75	0. 57
239.	63. 00	0. 75	0. 57
240.	62. 53	0. 76	0. 57
241.	61. 93	0. 77	0. 56
242.	61. 44	0. 77	0. 56
243.	61. 19	0. 78	0. 56
244.	60. 36	0. 79	0. 59
245.	61. 03	0. 78	0. 59
246.	61. 22	0. 77	0. 59
247.	61. 15	0. 78	0. 59
248.	60. 46	0. 78	0. 59
249.	59. 91	0. 79	0. 60
250.	59. 75	0. 79	0. 60
251.	61. 36	0. 77	0. 60
252.	61. 02	0. 78	0. 60
253.	59. 97	0. 79	0. 61
254.	61. 09	0. 78	0. 61
255.	60. 19	0. 79	0. 61
256.	59. 25	0. 80	0. 61
257.	60. 12	0. 79	0. 61
258.	60. 63	0. 78	0. 62
259.	59. 22	0. 80	0. 62
260.	59. 77	0. 79	0. 62
261.	59. 36	0. 80	0. 62
262.	59. 13	0. 80	0. 62
263.	58. 23	0. 81	0. 62
264.	57. 81	0. 82	0. 62
265.	57. 83	0. 82	0. 62
266.	58. 02	0. 82	0. 64
267.	57. 93	0. 82	0. 64
268.	57. 76	0. 82	0. 64
269.	57. 54	0. 82	0. 64
270.	57. 52	0. 82	0. 65
271.	57. 36	0. 83	0. 65
272.	56. 60	0. 84	0. 65
273.	56. 24	0. 84	0. 65
274.	56. 54	0. 84	0. 66
275.	56. 96	0. 84	0. 66
276.	56. 64	0. 85	0. 66
277.	56. 10	0. 85	0. 66
278.	56. 90	0. 84	0. 67
279.	56. 90	0. 84	0. 67
280.	56. 99	0. 84	0. 67
281.	56. 93	0. 84	0. 67
282.	54. 95	0. 86	0. 67
283.	54. 70	0. 86	0. 68
284.	54. 67	0. 86	0. 68
285.	54. 52	0. 86	0. 68
286.	56. 69	0. 87	0. 68
287.	56. 35	0. 87	0. 69
288.	56. 67	0. 87	0. 69

TRIAL B7

Table 30. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
289.	53.08	0.88	0.69
290.	53.42	0.88	0.69
291.	52.89	0.88	0.70
292.	52.95	0.88	0.70
293.	52.82	0.88	0.70
294.	52.08	0.89	0.70
295.	51.87	0.90	0.71
296.	51.94	0.90	0.71
297.	52.42	0.89	0.71
298.	51.75	0.90	0.71
299.	51.51	0.90	0.72
300.	51.45	0.90	0.72
301.	51.95	0.90	0.72
302.	51.89	0.90	0.72
303.	51.67	0.90	0.72
304.	51.07	0.91	0.73
305.	51.15	0.91	0.73
306.	50.56	0.91	0.73
307.	50.65	0.91	0.73
308.	50.68	0.91	0.74
309.	51.31	0.90	0.74
310.	50.66	0.91	0.74
311.	50.51	0.91	0.74
312.	50.31	0.92	0.75
313.	50.31	0.92	0.75
314.	50.43	0.92	0.75
315.	50.62	0.91	0.75
316.	50.16	0.92	0.76
317.	49.91	0.92	0.76
318.	50.19	0.92	0.76
319.	50.16	0.92	0.76
320.	50.47	0.91	0.77
321.	49.79	0.92	0.77
322.	49.18	0.93	0.77
323.	49.59	0.93	0.77
324.	49.92	0.93	0.78
325.	49.49	0.93	0.78
326.	49.46	0.93	0.78
327.	49.27	0.93	0.78
328.	49.75	0.92	0.78
329.	49.31	0.93	0.79
330.	48.96	0.93	0.79
331.	49.06	0.93	0.79
332.	49.25	0.93	0.79
333.	49.31	0.93	0.80
334.	48.97	0.93	0.80
335.	48.94	0.93	0.80
336.	48.81	0.94	0.80
337.	48.75	0.94	0.81
338.	48.16	0.95	0.81
339.	48.13	0.95	0.81
340.	48.71	0.94	0.81
341.	48.55	0.94	0.82
342.	48.78	0.94	0.82
343.	48.35	0.94	0.82
344.	48.53	0.94	0.82
345.	48.81	0.94	0.83
346.	48.75	0.94	0.83

TRIAL B7 Table 30. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
347.	49. 41	0. 93	0. 83
348.	48. 53	0. 94	0. 83
349.	48. 06	0. 93	0. 83
350.	49. 00	0. 93	0. 84
351.	49. 16	0. 93	0. 84
352.	48. 68	0. 94	0. 84
353.	49. 05	0. 93	0. 84
354.	47. 84	0. 95	0. 85
355.	48. 27	0. 94	0. 85
356.	47. 81	0. 93	0. 85
357.	48. 05	0. 95	0. 85
358.	47. 62	0. 95	0. 86
359.	47. 30	0. 96	0. 86
360.	47. 81	0. 95	0. 86
361.	47. 08	0. 96	0. 86
362.	46. 84	0. 96	0. 87
363.	47. 06	0. 96	0. 87
364.	47. 30	0. 96	0. 87
365.	48. 33	0. 94	0. 87
366.	47. 75	0. 95	0. 87
367.	46. 65	0. 96	0. 88
368.	46. 64	0. 96	0. 88
369.	46. 64	0. 96	0. 88
370.	46. 53	0. 97	0. 89
371.	47. 17	0. 96	0. 89
372.	46. 72	0. 96	0. 89
373.	46. 56	0. 97	0. 89
374.	46. 52	0. 97	0. 89
375.	47. 12	0. 96	0. 89
376.	45. 89	0. 97	0. 90
377.	46. 15	0. 97	0. 90
378.	46. 28	0. 97	0. 90
379.	46. 18	0. 97	0. 90
380.	45. 83	0. 98	0. 91
381.	44. 83	0. 99	0. 91
382.	44. 73	0. 99	0. 91
383.	44. 62	0. 99	0. 91
384.	44. 43	0. 99	0. 92
385.	44. 99	0. 99	0. 92
386.	45. 48	0. 98	0. 92
387.	45. 15	0. 98	0. 92
388.	44. 61	0. 99	0. 93
389.	44. 48	0. 99	0. 93
390.	45. 40	0. 99	0. 93
391.	45. 06	0. 99	0. 94
392.	45. 09	0. 99	0. 94
393.	45. 87	0. 97	0. 94
394.	45. 64	0. 98	0. 94
395.	45. 04	0. 99	0. 94
396.	45. 05	0. 99	0. 95
397.	44. 81	0. 99	0. 95
398.	44. 65	0. 99	0. 95
399.	44. 62	0. 99	0. 95
400.	44. 48	0. 99	0. 96
401.	44. 37	0. 99	0. 96
402.	44. 23	1. 00	0. 96
403.	44. 10	1. 00	0. 96
404.	44. 92	1. 00	0. 97

TRIAL B7

Table 30. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
405.	44.32	1.00	0.97
406.	44.17	1.00	0.97
407.	44.62	0.99	0.97
408.	44.15	1.00	0.98
409.	44.45	0.99	0.98
410.	44.67	0.99	0.98
411.	43.96	1.00	0.98
412.	43.60	1.00	0.99
413.	43.68	1.00	0.99
414.	43.71	1.00	0.99
415.	44.04	1.00	0.99
416.	44.01	1.00	1.00
417.	44.08	1.00	1.00
418.	43.95	1.00	1.00

Table 31. Dosage Measurements

TRIAL B7 (DP1-001), 24 JAN 78, 12:02:00, WP SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG./MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	22.64
2	.30	1.00	.00	105.10
3	.00	2.00	.00	615.21
4	.30	3.00	.00	1102.25
5	.00	4.00	.00	1405.59
6	.00	5.00	.00	704.93
7	.00	6.00	.00	136.71
8	.30	7.00	.00	4.27
9	.00	8.00	.00	2.56
10	.30	9.00	.00	.85

DOSAGE ALONG SIGHT LINE= 4100.12 (MG./MIN/M\*\*2)

Table 32. Concentration thru Time

TRIAL E7 (SF1-001), 24 JAN 78, 12:02:00, WF SMOKE

TIME SECS	CL %G/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.1	C	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.2	C	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0
4.2	C	0	0	0	0	0	0	0	0	0	0	0
5.3	0	0	0	0	0	0	0	0	0	0	0	0
6.4	0	0	0	0	0	0	0	0	0	0	0	0
7.4	0	0	0	0	0	0	0	0	0	0	0	0
8.4	0	0	0	0	0	0	0	0	0	0	0	0
9.5	0	0	0	0	0	0	0	0	0	0	0	0
10.6	0	0	0	0	0	0	0	0	0	0	0	0
11.6	0	0	0	0	0	0	0	0	0	0	0	0
12.7	0	0	0	0	0	0	0	0	0	0	0	0
13.7	0	0	0	0	0	0	0	0	0	0	0	0
14.8	C	0	0	0	0	0	0	0	0	0	0	0
15.9	0	0	0	0	0	0	0	0	0	0	0	0
16.9	0	0	0	0	0	0	0	0	0	0	0	0
18.0	0	0	0	0	0	0	0	0	0	0	0	0
19.1	0	0	0	0	0	0	0	0	0	0	0	0
20.1	69	0	0	0	0	1	67	0	0	0	0	0
21.2	75	0	0	0	0	0	75	0	0	0	0	0
22.2	98	0	0	0	69	2	27	0	0	0	0	0
23.3	542	0	0	0	195	10	136	0	0	0	0	0
24.4	147	0	0	0	5	0	141	0	0	0	0	0
25.4	683	0	0	0	0	0	683	0	0	0	0	0
26.5	434	0	0	0	0	0	434	0	0	0	0	0
27.6	200	C	0	0	0	0	200	0	0	0	0	0
28.6	8	0	0	0	0	0	8	0	0	0	0	0
29.7	699	0	0	0	0	0	699	0	0	0	0	0
30.7	262	0	0	0	0	0	262	0	0	0	0	0
31.8	416	0	0	0	0	0	391	24	0	0	0	0
32.9	68	0	0	0	0	0	66	2	0	0	0	0
33.9	0	0	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0	0	0
36.1	174	0	0	0	0	0	174	0	0	0	0	0
37.1	710	0	0	0	0	2	707	0	0	0	0	0
38.2	1094	1	0	0	0	0	1092	0	0	0	0	0
39.2	708	1	0	0	0	5	701	0	0	0	0	0
40.3	419	2	0	0	0	0	417	0	0	0	0	0
41.4	486	3	0	0	0	0	483	0	0	0	0	0
42.4	524	2	0	0	0	0	521	0	0	0	0	0
43.5	1489	2	0	0	0	0	1486	0	0	0	0	0
44.6	402	2	0	0	0	11	389	0	0	0	0	0
45.6	20	1	0	0	0	4	13	0	0	0	0	0
46.7	23	1	0	0	0	1	19	0	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL B7 (DP1-001), 24 JAN 76, 12:02:00, WP SMINE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
47.7	471	0	0	0	0	5	465	0	0	0	0	0
48.9	1003	0	0	0	0	0	1003	0	0	0	0	0
49.9	359	0	0	0	0	13	345	0	0	0	0	0
50.9	13	0	0	0	0	7	6	0	0	0	0	0
52.0	6	0	0	0	0	6	0	0	0	0	0	0
53.1	77	0	0	0	0	4	72	0	0	0	0	0
54.1	689	1	0	0	0	0	688	0	0	0	0	0
55.2	45	0	0	0	0	0	43	0	0	0	0	0
56.2	371	0	0	0	0	3	368	0	0	0	0	0
57.3	140	0	0	0	0	0	140	0	0	0	0	0
58.4	763	0	0	0	0	0	763	0	0	0	0	0
59.4	198	0	0	0	0	0	197	0	0	0	0	0
60.5	365	0	0	0	0	0	365	0	0	0	0	0
61.6	405	0	0	0	0	0	405	0	0	0	0	0
62.6	255	0	0	0	0	0	255	0	0	0	0	0
63.7	85	0	0	0	0	3	82	0	0	0	0	0
64.7	337	0	0	0	0	0	336	0	0	0	0	0
65.8	71	0	0	0	0	0	71	0	0	0	0	0
66.9	1	0	0	0	0	0	1	0	0	0	0	0
67.9	19	0	0	0	0	0	0	19	0	0	0	0
69.0	89	0	0	0	0	0	0	89	0	0	0	0
70.1	121	0	0	0	0	0	0	121	0	0	0	0
71.1	48	0	0	0	0	0	0	48	0	0	0	0
72.2	140	0	0	0	0	0	0	140	0	0	0	0
73.2	10	0	0	0	0	0	0	9	0	0	0	0
74.3	173	0	0	0	0	0	0	173	0	0	0	0
75.4	171	0	0	0	0	0	0	171	0	0	0	0
76.4	499	0	0	0	0	0	0	499	0	0	0	0
77.5	145	0	0	0	0	0	0	144	0	0	0	0
78.6	219	0	0	0	0	0	0	218	0	0	0	0
79.6	4	0	0	0	0	0	0	4	0	0	0	0
80.7	162	0	0	0	0	0	0	159	2	0	0	0
81.7	458	0	0	0	0	0	0	454	3	0	0	0
82.8	176	0	0	0	0	0	0	175	0	0	0	0
83.9	34	0	0	0	0	0	0	34	0	0	0	0
84.9	57	4	0	0	0	0	0	52	0	0	0	0
86.0	211	8	0	0	0	0	0	202	0	0	0	0
87.1	724	7	0	0	0	0	0	703	13	0	0	0
88.1	548	4	0	0	0	0	0	454	89	0	0	0
89.2	354	4	0	0	0	0	0	48	300	0	0	0
90.2	76	5	0	0	0	0	0	51	18	0	0	0
91.3	161	6	0	0	0	0	0	154	0	0	0	0
92.4	442	8	0	0	0	0	0	434	0	0	0	0
93.4	375	5	0	0	0	0	0	370	0	0	0	0
94.5	43	3	0	0	0	0	0	39	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL E7 (DP1-001) • 24 JAN 71, 12:02:00, WP SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.6	411	3	0	0	0	4	403	0	0	0	0	0
96.6	235	1	0	0	196	12	24	0	0	0	0	0
97.7	728	0	0	0	704	12	11	0	0	0	0	0
98.7	1398	0	0	0	611	10	776	0	0	0	0	0
99.8	472	0	0	0	26	1	445	0	0	0	0	0
100.9	410	0	0	0	30	3	376	0	0	0	0	0
101.9	1241	0	0	0	35	3	1202	0	0	0	0	0
103.0	272	0	0	0	28	40	203	0	0	0	0	0
104.1	194	0	0	0	23	9	161	0	0	0	0	0
105.1	188	0	0	0	17	1	168	0	0	0	0	0
106.2	348	0	0	0	12	8	327	0	0	0	0	0
107.2	729	0	0	0	5	18	705	0	0	0	0	0
108.3	1002	0	0	0	2	4	995	0	0	0	0	0
109.4	261	0	0	0	0	29	232	0	0	0	0	0
110.4	208	0	0	0	0	18	190	0	0	0	0	0
111.5	531	0	0	0	521	0	8	0	0	0	0	0
112.6	19	0	0	0	18	1	0	0	0	0	0	0
113.6	57	0	0	0	53	4	0	0	0	0	0	0
114.7	89	0	0	0	88	0	0	0	0	0	0	0
115.7	37	0	0	5	31	0	0	0	0	0	0	0
116.8	597	0	0	148	449	0	0	0	0	0	0	0
117.9	2381	0	0	65	2315	0	0	0	0	0	0	0
118.9	2250	0	0	15	2235	0	0	0	0	0	0	0
120.0	1534	0	0	0	1533	0	0	0	0	0	0	0
121.0	1539	0	0	0	1538	0	0	0	0	0	0	0
122.0	1894	0	0	0	1893	0	0	0	0	0	0	0
123.1	620	0	0	0	217	2	279	0	0	0	0	0
124.2	326	0	0	0	184	7	212	0	0	0	0	0
125.2	190	0	0	0	180	2	2	0	0	0	0	0
126.3	70	0	0	0	63	4	0	0	0	0	0	0
127.4	118	0	0	0	105	12	0	0	0	0	0	0
128.4	232	0	0	0	223	4	4	0	0	0	0	0
129.4	98	0	0	0	70	6	21	0	0	0	0	0
130.5	19	0	0	0	18	0	0	0	0	0	0	0
131.5	120	0	0	0	120	0	0	0	0	0	0	0
132.6	11	0	0	0	11	0	0	0	0	0	0	0
133.7	6	0	0	0	5	0	0	0	0	0	0	0
134.7	0	0	0	0	0	0	0	0	0	0	0	0
135.7	0	0	0	0	0	0	0	0	0	0	0	0
136.8	37	0	0	0	0	0	0	0	0	0	0	0
137.9	2005	0	0	0	37	0	0	0	0	0	0	0
138.9	414	0	0	10	2005	0	0	0	0	0	0	0
140.0	72	0	0	7	403	0	0	0	0	0	0	0
141.0	104	0	0	4	64	0	0	0	0	0	0	0
142.1	1321	0	0	6	99	0	0	0	0	0	0	0
					1314	0	0	0	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL E7 (DF1-001), 24 JAN 71, 12:02:00, WF SP (WE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
143.2	2644	0	0	0	2643	0	0	0	0	0	0	0
144.2	1446	0	0	0	1445	0	0	0	0	0	0	0
145.3	287	0	0	11	275	0	0	0	0	0	0	0
146.4	132	0	0	71	60	0	0	0	0	0	0	0
147.4	93	0	0	33	59	0	0	0	0	0	0	0
148.5	72	0	0	26	45	0	0	0	0	0	0	0
149.5	38	0	0	2	36	0	0	0	0	0	0	0
150.6	646	0	0	1	644	0	0	0	0	0	0	0
151.7	354	0	0	3	351	0	0	0	0	0	0	0
152.7	1312	0	0	5	1306	0	0	0	0	0	0	0
153.7	381	0	0	6	373	0	0	0	0	0	0	0
154.8	1004	3	0	1	999	0	0	0	0	0	0	0
155.9	160	2	0	1	156	0	0	0	0	0	0	0
156.9	817	2	0	2	811	0	0	0	0	0	0	0
158.0	169	3	0	0	164	0	0	0	0	0	0	0
159.0	65	4	0	0	55	4	0	0	0	0	0	0
160.0	1260	3	0	0	273	5	978	0	0	0	0	0
161.1	354	3	0	0	131	0	219	0	0	0	0	0
162.2	70	0	0	0	55	0	14	0	0	0	0	0
163.2	160	4	0	0	156	0	0	0	0	0	0	0
164.3	679	2	0	0	676	0	0	0	0	0	0	0
165.4	146	1	0	0	144	0	0	0	0	0	0	0
166.4	95	5	0	0	83	0	6	0	0	0	0	0
167.5	51	3	0	0	20	1	26	0	0	0	0	0
168.5	59	2	0	0	50	0	5	0	0	0	0	0
169.6	388	1	0	0	385	0	0	0	0	0	0	0
170.7	79	0	0	0	78	0	0	0	0	0	0	0
171.7	127	1	0	0	126	0	0	0	0	0	0	0
172.8	36	0	0	0	35	0	0	0	0	0	0	0
173.9	11	0	0	1	9	0	0	0	0	0	0	0
174.9	13	0	4	1	7	0	0	0	0	0	0	0
176.0	388	0	0	2	384	0	0	0	0	0	0	0
177.0	345	0	0	3	337	0	0	0	0	0	0	0
178.0	1736	0	10	7	1714	4	0	0	0	0	0	0
179.1	231	0	1	0	229	0	0	0	0	0	0	0
180.2	357	0	0	32	323	0	0	0	0	0	0	0
181.2	2738	0	3	15	2718	0	0	0	0	0	0	0
182.3	3762	0	0	1	3760	0	0	0	0	0	0	0
183.4	805	0	0	0	804	0	0	0	0	0	0	0
184.4	751	0	0	0	744	6	0	0	0	0	0	0
185.5	185	0	0	7	168	9	0	0	0	0	0	0
186.5	334	0	0	0	332	0	0	0	0	0	0	0
187.6	1399	0	0	0	1398	0	0	0	0	0	0	0
188.7	190	0	0	0	190	0	0	0	0	0	0	0
189.7	156	0	0	0	155	0	0	0	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL E7 (DP1-001), 24 JAN 71, 12:00:00, AF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
190.8	355	0	0	0	277	0	76	0	0	0	0	0
191.9	453	0	0	0	230	3	219	0	0	0	0	0
192.9	1031	0	0	0	997	4	29	0	0	0	0	0
194.0	831	0	0	0	308	0	522	0	0	0	0	0
195.0	319	0	0	0	65	2	250	0	0	0	0	0
196.1	544	4	0	0	58	8	472	0	0	0	0	0
197.2	892	5	0	0	49	8	829	0	0	0	0	0
198.2	409	0	0	0	37	7	363	0	0	0	0	0
199.3	229	0	0	0	26	3	199	0	0	0	0	0
200.3	927	0	0	0	19	1	905	0	0	0	0	0
201.4	491	0	0	0	13	0	477	0	0	0	0	0
202.4	143	5	0	0	8	6	123	0	0	0	0	0
203.5	16	6	0	0	4	1	4	0	0	0	0	0
204.5	1	0	0	0	0	0	0	0	0	0	0	0
205.6	4	0	0	0	4	0	0	0	0	0	0	0
206.7	5	0	0	0	1	0	3	0	0	0	0	0
207.7	18	0	0	0	0	0	18	0	0	0	0	0
208.8	424	1	0	0	0	0	421	0	0	0	0	0
209.9	920	6	0	0	0	0	914	0	0	0	0	0
210.9	235	8	0	0	0	0	227	0	0	0	0	0
212.0	152	6	0	0	0	0	146	0	0	0	0	0
213.0	360	3	0	0	0	0	356	0	0	0	0	0
214.1	79	0	0	0	0	4	74	0	0	0	0	0
215.2	0	0	0	0	0	0	0	0	0	0	0	0
216.2	1	0	0	0	0	0	0	0	0	0	0	0
217.3	0	0	0	0	0	0	0	0	0	0	0	0
218.4	16	0	0	0	0	0	15	0	0	0	0	0
219.4	263	0	0	0	245	0	16	0	0	0	0	0
220.5	1468	2	0	0	1465	0	0	0	0	0	0	0
221.5	471	6	0	1	463	0	0	0	0	0	0	0
222.6	776	1	0	1	771	2	0	0	0	0	0	0
223.7	98	0	0	0	97	0	0	0	0	0	0	0
224.7	113	0	0	0	113	0	0	0	0	0	0	0
225.8	105	0	0	0	101	4	0	0	0	0	0	0
226.9	1082	4	0	0	1077	1	0	0	0	0	0	0
227.9	64	4	0	0	58	1	0	0	0	0	0	0
229.0	30	3	0	0	24	0	1	0	0	0	0	0
230.0	122	5	0	0	17	7	91	0	0	0	0	0
231.1	171	4	0	0	11	6	149	0	0	0	0	0
232.2	480	3	0	0	5	0	470	0	0	0	0	0
233.2	152	2	0	0	0	0	148	0	0	0	0	0
234.3	408	3	0	0	0	1	403	0	0	0	0	0
235.4	94	1	0	0	0	14	78	0	0	0	0	0
236.4	418	0	0	0	0	0	417	0	0	0	0	0
237.5	24	1	0	0	0	8	13	0	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL E7 (DF1-001), 20 JAN 71, 12:02:00, NF SP (KE

TIME SECS	CL PC/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
238.5	239	2	0	0	0	2	235	0	0	0	0
239.6	185	3	0	0	0	2	179	0	0	0	0
240.7	324	2	0	0	0	1	319	0	0	0	0
241.7	232	3	0	0	0	0	228	0	0	0	0
242.8	178	3	0	0	0	0	175	0	0	0	0
243.9	64	3	0	0	0	0	61	0	0	0	0
244.0	17	1	0	0	0	0	16	0	0	0	0
246.0	7	4	0	0	0	0	0	1	0	0	0
247.0	41	3	0	0	0	0	0	35	3	0	0
248.1	332	3	0	0	0	0	0	318	10	0	0
249.2	219	3	0	0	0	0	0	213	1	0	0
250.2	51	5	0	0	0	0	0	29	15	0	0
251.3	197	8	0	0	0	0	0	182	6	0	0
252.4	190	4	0	0	0	2	59	121	3	0	0
253.4	278	0	0	0	0	5	268	2	0	0	0
254.5	192	1	0	0	0	0	120	69	0	0	0
255.5	153	15	0	0	0	0	7	130	0	0	0
256.6	82	21	0	0	0	0	0	60	0	0	0
257.7	308	16	0	0	0	0	4	286	0	0	0
258.7	145	8	0	0	0	0	0	136	0	0	0
259.8	27	3	0	0	0	0	0	23	0	0	0
260.9	69	3	0	0	0	0	22	41	0	0	0
261.9	16	6	0	0	0	0	0	10	0	0	0
263.0	34	4	0	0	0	0	0	29	0	0	0
264.0	56	2	0	0	0	0	35	18	0	0	0
265.1	119	0	0	0	0	0	117	1	0	0	0
266.2	167	0	0	0	0	0	167	0	0	0	0
267.2	176	0	0	0	0	0	176	0	0	0	0
268.3	220	0	0	0	0	0	220	0	0	0	0
269.4	704	0	0	0	0	1	702	0	0	0	0
270.4	837	2	0	0	0	7	828	0	0	0	0
271.5	224	3	0	0	137	3	79	0	0	0	0
272.5	499	6	0	0	276	3	213	0	0	0	0
273.6	125	4	0	0	25	2	92	0	0	0	0
274.7	26	3	0	0	13	8	0	0	0	0	0
275.7	167	5	0	0	160	0	0	0	0	0	0
276.8	1561	5	0	0	1556	0	0	0	0	0	0
277.9	2131	7	0	0	2123	0	0	0	0	0	0
278.9	223	7	0	0	213	1	0	0	0	0	0
280.0	523	3	0	0	519	0	0	0	0	0	0
281.0	3598	3	0	1	3593	0	0	0	0	0	0
282.0	2365	2	0	2	2361	0	0	0	0	0	0
283.1	418	0	0	0	416	0	0	0	0	0	0
284.2	133	0	0	0	129	3	0	0	0	0	0
285.2	132	0	0	0	131	1	0	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL 07 (DP1-001), 24 JAN 71, 12:02:00, WF CM(KE

TIME SECC	CL PC/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
286.3	390	0	0	0	112	5	271	0	0	0	0	0
287.4	367	0	0	0	95	1	269	0	0	0	0	0
288.4	93	0	0	0	78	4	11	0	0	0	0	0
289.5	200	0	0	0	198	0	1	0	0	0	0	0
290.5	147	0	0	0	48	0	98	0	0	0	0	0
291.6	47	0	0	0	31	0	14	0	0	0	0	0
292.7	289	0	0	0	21	0	260	7	0	0	0	0
293.7	153	0	0	0	14	0	51	86	0	0	0	0
294.8	48	0	0	0	8	0	0	39	0	0	0	0
295.9	22	0	0	0	5	0	3	12	0	0	0	0
296.9	4	0	0	0	0	0	0	4	0	0	0	0
298.0	48	0	0	0	0	0	0	48	0	0	0	0
299.0	45	0	0	0	0	0	0	26	0	0	0	0
300.1	122	0	0	0	0	0	118	3	0	0	0	0
301.2	3	1	0	0	0	0	1	0	0	0	0	0
302.2	0	0	0	0	0	0	0	0	0	0	0	0
303.3	35	0	0	0	0	0	0	0	0	0	0	0
304.4	127	0	0	0	0	0	116	10	0	0	0	0
305.4	168	0	0	0	0	0	167	0	0	0	0	0
306.5	28	2	0	0	0	0	25	0	0	0	0	0
307.5	4	3	0	0	0	0	1	0	0	0	0	0
308.6	1	0	0	0	0	0	0	0	0	0	0	0
309.7	12	0	0	0	0	0	4	7	0	0	0	0
310.7	49	2	0	0	0	0	0	46	0	0	0	0
311.8	31	0	0	0	0	0	0	30	0	0	0	0
312.9	45	0	0	0	0	0	0	45	0	0	0	0
313.9	4	0	0	0	0	0	0	4	0	0	0	0
315.0	4	0	0	0	0	0	4	0	0	0	0	0
316.0	7	0	0	0	0	0	3	3	0	0	0	0
317.1	65	0	0	0	0	0	62	3	0	0	0	0
318.2	122	0	0	0	0	0	118	3	0	0	0	0
319.2	211	0	0	0	0	0	160	49	0	0	0	0
320.3	89	0	0	0	0	0	2	87	0	0	0	0
321.3	40	0	0	0	0	0	0	40	0	0	0	0
322.4	40	0	0	0	0	0	0	40	0	0	0	0
323.5	19	0	0	0	0	0	0	16	1	0	0	0
324.5	27	0	0	0	0	0	0	20	6	0	0	0
325.6	20	0	0	0	0	0	0	2	17	0	0	0
326.6	13	1	0	0	0	0	0	6	4	0	0	0
327.7	29	3	0	0	0	0	0	25	0	0	0	0
328.8	113	3	0	0	0	0	104	5	0	0	0	0
329.8	33	4	0	0	0	0	23	4	0	0	0	0
330.9	56	3	0	0	0	0	5	46	0	0	0	0
332.0	52	2	0	0	0	0	1	48	0	0	0	0
333.0	27	0	0	0	0	0	0	26	0	0	0	0

Table 32. Concentration thru Time (Cont.)

TRIAL E7 (DF1-001), 24 JAN 78, 12:02:00, WF SM (HE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
334.0	58	0	0	0	0	0	0	58	0	0	0
335.1	103	0	0	0	0	0	0	103	0	0	0
336.1	33	0	0	0	0	0	0	33	0	0	0
337.2	106	0	0	0	0	0	0	106	0	0	0
338.3	140	0	0	0	0	0	0	140	0	0	0
339.3	124	0	0	0	0	0	0	124	0	0	0
340.3	23	0	0	0	0	0	0	23	0	0	0
341.4	29	0	0	0	0	0	0	15	13	0	0
342.5	17	0	0	0	0	0	0	0	17	0	0
343.5	22	0	0	0	0	0	0	21	1	0	0
344.6	40	0	0	0	0	0	0	40	0	0	0
345.6	63	0	0	0	0	0	0	62	0	0	0
346.7	143	0	0	0	0	0	0	143	0	0	0
347.7	6	0	0	0	0	0	0	5	0	0	0
348.8	17	0	0	0	0	0	0	1	0	0	0
349.8	59	0	0	0	0	0	16	58	0	0	0
350.8	106	0	0	0	0	0	0	106	0	0	0
351.9	84	0	0	0	0	0	0	83	0	0	0
352.9	3	0	0	0	0	0	0	3	0	0	0
354.0	13	0	0	0	0	0	0	7	0	0	0
355.0	14	0	0	0	0	0	0	13	0	0	0
356.1	76	0	0	0	0	0	0	76	0	0	0
357.1	37	0	0	0	0	0	0	37	0	0	0
358.2	49	0	0	0	0	0	0	49	0	0	0
359.3	95	0	0	0	0	0	0	95	0	0	0
360.3	55	0	0	0	0	0	0	54	0	0	0
361.4	20	0	0	0	0	0	0	0	0	0	0
362.5	26	0	0	0	0	0	19	0	0	0	0
363.5	30	2	0	0	0	0	25	0	0	0	0
364.5	134	8	0	0	0	0	18	9	0	0	0
365.5	70	8	0	0	0	0	6	119	0	0	0
366.6	52	3	0	0	0	0	10	52	0	0	0
367.6	47	7	0	0	0	0	47	0	0	0	0
368.7	35	6	0	0	0	0	32	6	0	0	0
369.8	26	8	0	0	0	0	1	26	0	0	0
370.8	17	7	0	0	0	0	0	15	2	0	0
371.8	10	7	0	0	0	0	0	0	8	0	0
372.9	5	4	0	0	0	0	0	0	3	0	0
374.0	7	6	0	0	0	0	0	0	0	0	0
375.0	5	5	0	0	0	0	0	0	0	0	0
376.1	6	3	0	0	0	0	0	0	2	0	0
377.1	3	2	0	0	0	0	0	0	0	0	0
378.2	7	4	0	0	0	0	0	0	1	0	0
379.3	4	3	0	0	0	0	0	0	0	0	0
380.3	11	8	0	0	0	0	0	0	2	0	0

Table 32. Concentration thru Time (Conc.)

TRIAL E7 (DF1-001), 24 JAN 71, 12:02:00, WF SP/VE

TIME SECS	CL PG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
381.4	10	7	0	0	0	0	0	0	2	0	0
382.5	7	5	0	0	0	0	0	0	0	0	0
383.5	8	7	0	0	0	0	0	0	0	0	0
384.6	12	6	0	0	0	0	0	0	0	4	1
385.6	31	5	0	0	0	0	0	0	0	25	0
386.7	7	5	0	0	0	0	0	0	0	1	0
387.8	6	6	0	0	0	0	0	0	0	0	0
388.8	4	4	0	0	0	0	0	0	0	0	0
389.8	7	5	0	0	0	0	0	0	0	0	0
390.9	41	6	0	0	0	0	0	0	0	1	0
392.0	24	5	0	0	0	0	0	2	0	34	0
393.0	35	3	0	0	0	0	0	0	0	17	0
394.1	39	2	0	0	0	0	0	31	0	0	0
395.1	24	0	0	0	0	0	0	32	4	0	0
396.2	4	1	0	0	0	0	0	21	2	0	0
397.2	18	0	0	0	0	0	0	3	0	0	0
398.3	5	0	0	0	0	0	0	12	6	0	0
399.3	2	0	0	0	0	0	0	4	1	0	0
400.4	6	0	0	0	0	0	0	0	2	0	0
401.5	3	0	0	0	0	0	0	0	6	0	0
402.5	3	0	0	0	0	0	0	0	3	0	0
403.6	14	0	0	0	0	0	0	0	3	0	0
404.7	18	0	0	0	0	0	0	0	14	0	0
405.7	12	0	0	0	0	0	0	0	17	0	0
406.7	60	0	0	0	0	0	0	0	12	0	0
407.8	9	0	0	0	0	0	0	0	2	57	0
408.8	15	0	0	0	0	0	0	0	5	4	0
409.9	29	0	0	0	0	0	0	10	4	0	0
411.0	14	0	0	0	0	0	0	24	0	4	0
412.0	10	0	0	0	0	0	0	14	0	0	0
413.1	54	0	0	0	0	0	0	9	0	0	0
414.2	31	0	0	0	0	0	0	53	0	0	0
415.2	4	0	0	0	0	0	0	31	0	0	0
416.3	22	0	0	0	0	0	0	3	0	0	0
417.3	74	0	0	0	0	0	0	22	0	0	0
418.4	77	0	0	0	0	0	0	73	0	0	0
419.5	13	0	0	0	0	0	0	77	0	0	0
420.5	44	0	0	0	0	0	0	13	0	0	0
421.6	26	0	0	0	0	0	0	44	0	0	0
422.7	0	0	0	0	0	0	0	26	0	0	0
423.7	2	0	0	0	0	0	0	0	0	0	0
424.7	22	0	0	0	0	0	0	0	2	0	0
425.8	54	0	0	0	0	0	0	19	3	0	0
425.8	0	0	0	0	0	0	0	53	0	0	0
427.9	15	0	0	0	0	0	0	0	0	0	0

Table 33. Dosage Measurement

TRIAL 38 (DP1-001). 24 JAN 78. 12:31:00. W<sup>3</sup> SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M <sup>3</sup> * 3)
	X (M)	Y (M)	Z (M)	
1	.00	.00	.00	69.81
2	.00	1.00	.00	156.26
3	.00	2.00	.00	1193.28
4	.00	3.00	.00	1128.34
5	.00	4.00	.00	872.64
6	.00	5.00	.00	395.58
7	.00	6.00	.00	2.84
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE = 3808.76 (MG. MIN/M<sup>3</sup> \* 2)

Table 34. Concentration thru Time

TRIAL 08 (DP1-001), 24 JAN 78, 12:31:00, WT SMOKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.1	15	15	0	0	0	0	0	0	0	0	0	0
1.1	10	10	0	0	0	0	0	0	0	0	0	0
2.2	2	2	0	0	0	0	0	0	0	0	0	0
3.2	28	6	0	0	0	0	21	0	0	0	0	0
4.3	50	16	0	0	0	0	33	0	0	0	0	0
5.4	135	23	0	0	0	0	112	0	0	0	0	0
6.4	190	17	0	0	0	0	172	0	0	0	0	0
7.5	360	19	0	0	0	0	340	0	0	0	0	0
8.6	184	22	0	0	0	0	161	0	0	0	0	0
9.6	215	19	0	0	0	0	192	3	0	0	0	0
10.7	120	16	0	0	0	0	101	0	0	0	0	0
11.7	65	17	0	0	0	0	45	2	0	0	0	0
12.8	30	16	0	0	0	0	5	9	0	0	0	0
13.9	151	12	0	0	0	0	133	5	0	0	0	0
14.9	564	8	0	0	0	0	550	5	0	0	0	0
16.0	497	0	0	0	0	0	494	2	0	0	0	0
17.1	1074	0	0	0	4	0	1064	4	0	0	0	0
18.1	276	2	0	0	0	0	971	1	0	0	0	0
19.2	292	1	0	0	0	0	291	0	0	0	0	0
20.3	77	3	0	0	0	0	68	4	0	0	0	0
21.3	70	8	0	0	0	0	46	21	0	0	0	0
22.4	10	6	0	0	0	0	0	3	0	0	0	0
23.4	0	4	0	0	0	0	2	0	0	0	0	0
24.5	0	0	0	0	0	0	0	0	0	0	0	0
25.6	17	9	0	0	0	0	7	0	0	0	0	0
26.6	32	11	0	0	0	0	21	0	0	0	0	0
27.7	9	5	0	0	0	0	0	4	0	0	0	0
28.7	10	0	0	0	0	0	0	10	0	0	0	0
29.8	10	0	0	0	0	0	0	10	0	0	0	0
30.9	27	0	0	0	0	0	0	27	0	0	0	0
31.9	542	0	0	0	0	0	530	12	0	0	0	0
33.0	1369	0	0	0	0	0	1369	0	0	0	0	0
34.1	411	0	0	0	0	0	411	0	0	0	0	0
35.1	30	0	0	0	0	0	20	9	0	0	0	0
36.2	69	0	0	0	0	0	68	1	0	0	0	0
37.2	121	0	0	0	0	0	120	0	0	0	0	0
38.3	513	0	0	0	0	0	511	1	0	0	0	0
39.4	633	0	0	0	0	0	631	0	0	0	0	0
40.4	58	0	0	0	0	0	57	0	0	0	0	0
41.5	51	0	0	0	0	1	49	0	0	0	0	0
42.6	12	0	3	0	0	0	8	0	0	0	0	0
43.6	13	4	2	0	0	0	6	0	0	0	0	0
44.7	7	5	0	0	0	0	0	0	0	0	0	0
45.7	611	5	0	0	535	0	0	0	0	0	0	0
46.8	667	10	2	0	655	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 08 (DP1-001), 20 JAN 78, 12:31:00, WF SACHE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**2												
		10	9	8	7	6	5	4	3	2	1			
47.9	96	15	2	0	77	0	0	0	0	0	0	0	0	0
48.9	163	12	2	0	76	4	67	0	0	0	0	0	0	0
50.0	924	10	2	0	900	3	8	0	0	0	0	0	0	0
51.1	1105	13	3	0	1088	0	0	0	0	0	0	0	0	0
52.1	1366	11	2	0	1348	3	0	0	0	0	0	0	0	0
53.2	2787	7	2	0	2775	2	0	0	0	0	0	0	0	0
54.2	943	0	2	0	939	1	0	0	0	0	0	0	0	0
55.3	1064	8	2	0	1051	1	0	0	0	0	0	0	0	0
56.4	969	9	0	0	957	0	0	0	0	0	0	0	0	0
57.4	277	19	0	0	256	0	0	0	0	0	0	0	0	0
58.5	182	17	1	11	151	0	0	0	0	0	0	0	0	0
59.6	260	10	3	3	243	0	0	0	0	0	0	0	0	0
60.6	215	1	2	1	210	0	0	0	0	0	0	0	0	0
61.7	135	3	2	6	123	0	0	0	0	0	0	0	0	0
62.7	144	3	1	3	135	0	0	0	0	0	0	0	0	0
63.8	1533	3	3	5	1521	0	0	0	0	0	0	0	0	0
64.9	1291	0	0	1	1288	1	0	0	0	0	0	0	0	0
65.9	1221	1	0	0	1219	0	0	0	0	0	0	0	0	0
67.0	952	2	0	0	948	0	0	0	0	0	0	0	0	0
68.1	518	0	2	0	515	0	0	0	0	0	0	0	0	0
69.1	998	0	0	0	997	0	0	0	0	0	0	0	0	0
70.2	1715	0	2	9	1704	0	0	0	0	0	0	0	0	0
71.2	1452	0	11	1	1429	0	0	0	0	0	0	0	0	0
72.3	1114	0	0	0	1114	0	0	0	0	0	0	0	0	0
73.4	2642	0	0	0	2642	0	0	0	0	0	0	0	0	0
74.4	2062	0	0	0	2062	0	0	0	0	0	0	0	0	0
75.5	296	0	0	0	294	1	0	0	0	0	0	0	0	0
76.6	776	0	1	0	772	1	0	0	0	0	0	0	0	0
77.6	1370	0	0	0	1370	0	0	0	0	0	0	0	0	0
78.7	1233	0	0	0	1232	0	0	0	0	0	0	0	0	0
79.7	628	0	0	0	628	0	0	0	0	0	0	0	0	0
80.8	1677	0	0	0	1675	1	0	0	0	0	0	0	0	0
81.9	465	0	0	0	465	0	0	0	0	0	0	0	0	0
82.9	141	4	0	0	135	0	0	0	0	0	0	0	0	0
84.0	135	0	0	0	77	0	57	0	0	0	0	0	0	0
85.1	175	0	0	0	100	1	72	0	0	0	0	0	0	0
86.1	935	0	0	0	683	1	251	0	0	0	0	0	0	0
87.2	803	0	0	0	65	0	737	0	0	0	0	0	0	0
88.2	272	0	0	0	47	0	224	0	0	0	0	0	0	0
89.3	194	0	0	0	35	0	153	0	0	0	0	0	0	0
90.4	201	2	0	0	24	0	172	0	0	0	0	0	0	0
91.4	88	5	1	0	16	0	65	0	0	0	0	0	0	0
92.5	95	0	0	0	10	0	83	0	0	0	0	0	0	0
93.5	63	0	0	0	6	0	56	0	0	0	0	0	0	0
94.6	36	0	1	0	3	0	31	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TOTAL 88 (DP1-001), 24 JAN 71, 12:31:00, WF SMOKE

TIME SECT	CL %M**2	CONCENTRATIONS %M**3										
		10	9	8	7	6	5	4	3	2	1	
95.7	5	0	1	0	1	0	3	0	0	0	0	0
96.7	1	0	0	0	0	0	0	0	0	0	0	0
97.8	23	0	0	0	20	2	0	0	0	0	0	0
98.9	8	0	2	0	2	4	0	0	0	0	0	0
99.9	3	0	1	0	0	1	0	0	0	0	0	0
101.0	1	0	0	0	0	0	0	0	0	0	0	0
102.1	92	0	0	0	31	0	0	0	0	0	0	0
103.1	37	0	2	0	34	0	0	0	0	0	0	0
104.2	12	0	2	0	0	0	0	0	0	0	0	0
105.2	96	7	2	0	13	0	72	0	0	0	0	0
106.3	267	0	2	0	95	0	165	0	0	0	0	0
107.4	320	0	2	0	0	1	317	0	0	0	0	0
108.4	27	0	0	7	0	1	21	0	0	0	0	0
109.5	430	0	2	0	0	0	427	0	0	0	0	0
110.6	121	0	2	0	0	0	114	0	0	0	0	0
111.6	362	6	2	0	0	0	954	0	0	0	0	0
112.7	254	3	0	0	0	0	250	0	0	0	0	0
113.7	693	0	0	0	0	0	691	0	0	0	0	0
114.8	99	0	0	0	0	0	98	0	0	0	0	0
115.9	392	0	0	0	0	0	382	0	0	0	0	0
116.9	62	0	0	0	0	0	62	0	0	0	0	0
118.0	219	0	0	0	0	0	219	0	0	0	0	0
119.1	414	0	0	0	0	0	413	0	0	0	0	0
120.1	435	0	0	0	0	0	435	0	0	0	0	0
121.2	70	0	0	7	0	0	69	0	0	0	0	0
122.2	4	0	0	0	0	0	3	0	0	0	0	0
122.3	241	0	0	0	0	0	1	239	0	0	0	0
124.4	97	0	0	0	0	0	2	95	0	0	0	0
125.4	735	1	0	0	0	0	1	732	0	0	0	0
126.5	45	3	0	0	0	0	4	36	0	0	0	0
127.6	6	2	0	0	0	0	3	0	0	0	0	0
128.6	61	0	2	0	0	0	1	56	0	0	0	0
129.7	120	0	0	0	0	0	0	118	0	0	0	0
130.7	153	4	0	0	0	0	0	149	0	0	0	0
131.8	507	0	0	0	0	0	0	506	0	0	0	0
132.9	133	12	2	0	0	0	0	119	0	0	0	0
133.9	149	16	0	0	0	0	0	132	0	0	0	0
135.0	165	16	0	0	0	0	0	148	0	0	0	0
136.1	470	24	0	0	0	0	0	410	0	0	0	0
137.1	285	20	2	0	0	0	0	256	0	0	0	0
138.2	55	17	2	0	0	0	0	24	5	0	0	0
139.2	699	20	1	0	0	0	0	670	11	0	0	0
140.3	288	23	1	0	0	0	0	262	0	0	0	0
141.4	95	20	2	0	0	0	0	72	0	0	0	0
142.4	54	8	2	0	0	0	0	44	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 88 (DP1-001), 24 JAN 78, 12:31:00, WF SMOKE

TIME SECC	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.5	134	0	0	0	0	0	133	0	0	0	0
144.6	136	0	0	0	0	0	135	0	0	0	0
145.6	269	0	2	0	0	0	267	0	0	0	0
146.7	93	9	0	0	0	0	84	0	0	0	0
147.7	90	25	0	0	0	0	63	0	0	0	0
148.8	577	25	0	0	0	0	550	0	0	0	0
149.9	79	14	2	0	9	0	52	0	0	0	0
150.9	535	8	0	0	525	0	0	0	0	0	0
152.0	185	16	0	0	160	0	5	0	0	0	0
153.1	188	24	0	0	163	0	0	0	0	0	0
154.1	305	17	2	0	285	0	0	0	0	0	0
155.2	355	4	0	0	349	0	0	0	0	0	0
156.2	213	6	0	0	206	0	0	0	0	0	0
157.3	92	14	2	8	66	0	0	0	0	0	0
158.4	132	24	18	12	67	0	0	0	0	0	0
159.4	356	20	62	9	263	0	0	0	0	0	0
160.5	361	21	8	0	331	0	0	0	0	0	0
161.6	556	19	2	0	533	0	0	0	0	0	0
162.6	568	16	3	0	547	0	0	0	0	0	0
163.7	102	14	35	12	79	0	0	0	0	0	0
164.7	368	15	319	6	36	0	0	0	0	0	0
165.8	254	11	79	2	161	0	0	0	0	0	0
166.9	195	15	13	1	165	0	0	0	0	0	0
167.9	656	15	2	0	636	0	0	0	0	0	0
169.0	106	5	2	0	98	0	0	0	0	0	0
170.1	52	3	1	0	46	0	0	0	0	0	0
171.1	86	10	2	0	73	0	0	0	0	0	0
172.2	66	8	0	0	54	1	0	0	0	0	0
173.2	68	15	1	0	41	0	9	0	0	0	0
174.3	574	16	0	0	526	0	30	0	0	0	0
175.4	83	11	2	0	69	0	0	0	0	0	0
175.4	45	18	0	0	17	1	0	0	0	0	0
177.5	206	13	0	0	190	0	1	0	0	0	0
178.6	307	14	0	0	791	0	0	0	0	0	0
179.6	65	24	2	0	37	1	0	0	0	0	0
180.7	57	29	0	0	26	0	0	0	0	0	0
181.7	115	22	1	0	90	0	0	0	0	0	0
182.8	88	19	2	0	65	0	0	0	0	0	0
183.9	290	16	2	0	19	0	251	0	0	0	0
184.9	289	3	2	0	155	0	127	0	0	0	0
186.0	752	4	2	0	744	0	1	0	0	0	0
187.1	149	3	2	0	45	0	97	0	0	0	0
188.1	130	1	3	0	10	0	114	0	0	0	0
189.2	104	23	2	0	17	0	59	0	0	0	0
190.2	66	28	2	0	25	0	7	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 11 (DF1-001), 24 JAN 71, 12:32:00, WF TUCKE

TIME SECS	CL NO/M**2	CONCENTRATIONS NO/M**2										
		10	9	8	7	6	5	4	3	2	1	
191.3	64	19	2	0	42	0	0	0	0	0	0	0
192.4	44	18	3	0	21	0	0	0	0	0	0	0
197.4	358	24	2	0	350	0	1	0	0	0	0	0
198.5	354	14	2	0	311	0	25	0	0	0	0	0
199.6	211	11	2	0	197	0	0	0	0	0	0	0
196.6	38	15	3	0	18	0	0	0	0	0	0	0
197.7	408	14	0	0	392	0	0	0	0	0	0	0
198.7	262	20	0	0	241	0	0	0	0	0	0	0
199.8	730	8	0	0	721	0	0	0	0	0	0	0
200.9	859	19	2	0	836	0	0	0	0	0	0	0
201.9	597	4	0	0	591	0	0	0	0	0	0	0
203.0	73	11	0	0	61	0	0	0	0	0	0	0
204.1	96	0	0	0	94	0	0	0	0	0	0	0
205.1	220	9	2	0	206	0	0	0	0	0	0	0
206.2	51	17	0	0	40	0	0	0	0	0	0	0
207.3	54	15	2	0	35	0	0	0	0	0	0	0
208.3	108	12	2	0	90	0	1	0	0	0	0	0
209.4	42	15	3	0	22	0	0	0	0	0	0	0
210.4	102	7	1	0	93	0	0	0	0	0	0	0
211.5	1023	1	1	0	1025	0	0	0	0	0	0	0
212.5	742	5	0	0	337	0	0	0	0	0	0	0
213.0	769	2	2	0	755	0	0	0	0	0	0	0
214.7	768	0	0	0	767	0	0	0	0	0	0	0
215.7	532	0	0	0	531	0	0	0	0	0	0	0
216.8	366	0	0	0	365	0	0	0	0	0	0	0
217.9	297	0	2	0	295	0	0	0	0	0	0	0
216.9	97	0	0	0	92	0	0	0	0	0	0	0
220.0	106	0	0	0	105	0	0	0	0	0	0	0
221.0	110	3	0	2	109	0	0	0	0	0	0	0
222.1	603	2	2	0	598	0	0	0	0	0	0	0
223.2	274	2	0	0	230	0	0	0	0	0	0	0
224.3	471	5	0	0	465	0	0	0	0	0	0	0
225.3	381	12	0	0	368	0	0	0	0	0	0	0
226.4	92	6	2	0	94	0	0	0	0	0	0	0
227.4	406	4	213	3	104	0	0	0	0	0	0	0
228.5	78	0	39	6	32	0	0	0	0	0	0	0
229.6	72	0	47	0	25	0	0	0	0	0	0	0
230.6	228	0	217	0	21	0	0	0	0	0	0	0
231.7	327	0	210	1	125	0	0	0	0	0	0	0
232.7	153	0	4	0	148	0	0	0	0	0	0	0
233.8	421	0	0	0	420	0	0	0	0	0	0	0
234.9	312	0	2	0	310	0	0	0	0	0	0	0
235.9	747	0	0	0	740	0	0	0	0	0	0	0
237.0	71	0	0	1	68	0	0	0	0	0	0	0
238.0	173	0	0	0	171	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 06 (DP1-001), 24 JAN 71, 12:31:00, WF SMOKE

TIME SECC	CL MC/M**2	CONCENTRATIONS MC/M**3										
		10	9	8	7	6	5	4	3	2	1	
239.1	65	0	2	1	62	0	0	0	0	0	0	0
240.2	139	0	2	32	104	0	0	0	0	0	0	0
241.2	207	0	2	6	195	0	0	0	0	0	0	0
242.3	93	0	1	0	90	0	0	0	0	0	0	0
243.4	108	0	2	0	105	0	0	0	0	0	0	0
244.4	188	0	2	0	186	0	0	0	0	0	0	0
245.5	53	0	2	5	45	0	0	0	0	0	0	0
246.5	165	3	2	2	155	0	0	0	0	0	0	0
247.6	48	6	2	3	36	0	0	0	0	0	0	0
249.7	17	2	1	1	12	0	0	0	0	0	0	0
249.7	38	7	1	3	26	0	0	0	0	0	0	0
250.8	113	0	35	4	52	0	0	0	0	0	0	0
251.9	256	0	2	0	253	0	0	0	0	0	0	0
252.9	166	0	0	2	154	0	0	0	0	0	0	0
254.0	27	0	2	0	24	0	0	0	0	0	0	0
255.0	99	3	0	0	95	0	0	0	0	0	0	0
256.1	399	7	0	0	392	0	0	0	0	0	0	0
257.2	201	9	0	0	191	0	0	0	0	0	0	0
258.2	216	7	0	0	208	0	0	0	0	0	0	0
259.3	208	6	0	0	202	0	0	0	0	0	0	0
260.4	227	13	0	0	213	0	0	0	0	0	0	0
261.4	73	8	0	0	65	0	0	0	0	0	0	0
262.5	31	8	0	0	23	0	0	0	0	0	0	0
263.5	64	15	0	0	49	0	0	0	0	0	0	0
264.6	51	9	0	0	41	0	0	0	0	0	0	0
265.7	149	18	0	0	130	0	0	0	0	0	0	0
266.7	36	8	0	0	27	0	0	0	0	0	0	0
267.8	209	0	0	0	209	0	0	0	0	0	0	0
268.9	118	0	0	0	118	0	0	0	0	0	0	0
269.9	92	0	0	0	92	0	0	0	0	0	0	0
271.0	266	0	0	0	266	0	0	0	0	0	0	0
272.0	168	12	0	0	155	0	0	0	0	0	0	0
273.1	362	9	0	0	353	0	0	0	0	0	0	0
274.2	107	13	0	0	93	0	0	0	0	0	0	0
275.2	225	14	67	6	36	0	0	0	0	0	0	0
276.3	288	1	267	5	13	0	0	0	0	0	0	0
277.4	126	0	67	2	35	0	0	0	0	0	0	0
278.4	116	0	71	2	42	0	0	0	0	0	0	0
279.5	177	1	161	6	8	0	0	0	0	0	0	0
280.5	204	3	78	4	112	0	0	0	0	0	0	0
281.6	68	6	18	6	36	0	0	0	0	0	0	0
282.7	121	0	8	1	111	0	0	0	0	0	0	0
283.7	24	0	12	6	5	0	0	0	0	0	0	0
284.9	299	0	199	4	94	0	0	0	0	0	0	0
285.9	71	0	44	1	25	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 58 (DD1-001), 24 JAN 71, 12:33:00, WF CMRF

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
288.9	308	7	0	0	300	0	0	0	0	0	0	0
288.0	145	3	0	1	141	0	0	0	0	0	0	0
289.0	180	0	0	0	180	0	0	0	0	0	0	0
290.1	129	0	0	0	129	0	0	0	0	0	0	0
291.2	226	6	0	5	214	0	0	0	0	0	0	0
292.2	27	7	0	2	17	0	0	0	0	0	0	0
293.3	126	6	0	0	119	0	0	0	0	0	0	0
294.4	247	0	0	0	247	0	0	0	0	0	0	0
295.4	145	0	0	0	145	0	0	0	0	0	0	0
296.5	83	0	0	0	93	0	0	0	0	0	0	0
297.5	339	6	0	0	333	0	0	0	0	0	0	0
298.6	258	7	0	0	247	0	0	0	0	0	0	0
299.7	29	10	0	0	18	0	0	0	0	0	0	0
300.7	33	11	0	0	22	0	0	0	0	0	0	0
301.8	21	9	0	0	12	0	0	0	0	0	0	0
302.9	20	9	2	1	6	0	0	0	0	0	0	0
303.9	37	12	10	9	5	0	0	0	0	0	0	0
305.0	50	10	13	2	3	0	0	0	0	0	0	0
306.0	25	7	15	0	1	0	0	0	0	0	0	0
307.1	249	9	238	2	0	0	0	0	0	0	0	0
308.2	97	8	79	0	0	0	0	0	0	0	0	0
309.2	168	9	156	3	0	0	0	0	0	0	0	0
310.3	16	4	11	0	0	0	0	0	0	0	0	0
311.4	5	4	1	0	0	0	0	0	0	0	0	0
312.4	10	6	1	0	2	0	0	0	0	0	0	0
313.5	112	5	2	4	100	0	0	0	0	0	0	0
314.5	45	2	14	3	25	0	0	0	0	0	0	0
315.6	65	0	62	2	0	0	0	0	0	0	0	0
316.7	111	1	109	0	0	0	0	0	0	0	0	0
317.7	19	4	13	1	0	0	0	0	0	0	0	0
318.8	53	10	42	0	0	0	0	0	0	0	0	0
319.9	133	10	122	0	0	0	0	0	0	0	0	0
320.9	721	8	712	0	1	0	0	0	0	0	0	0
322.0	336	11	324	0	0	0	0	0	0	0	0	0
323.0	173	13	158	0	0	0	0	0	0	0	0	0
324.1	49	12	37	0	0	0	0	0	0	0	0	0
325.2	53	10	43	0	0	0	0	0	0	0	0	0
326.2	77	7	59	0	0	0	0	0	0	0	0	0
327.3	108	9	97	1	0	0	0	0	0	0	0	0
328.4	201	11	199	0	0	0	0	0	0	0	0	0
329.4	131	7	124	0	0	0	0	0	0	0	0	0
330.5	197	0	191	0	5	0	0	0	0	0	0	0
331.6	6	0	4	1	1	0	0	0	0	0	0	0
332.6	5	0	2	2	0	0	0	0	0	0	0	0
333.7	288	0	287	0	0	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 88 (DF1-001), 24 JAN 78, 12:31:00, WP SMOKE

TIME SECC	CL MC/M**2	CONCENTRATIONS MC/M**3												
		10	9	8	7	6	5	4	3	2	1			
334.7	329	0	329	0	0	0	0	0	0	0	0	0	0	0
335.3	52	2	50	0	0	0	0	0	0	0	0	0	0	0
336.9	53	6	46	0	0	0	0	0	0	0	0	0	0	0
337.9	55	8	46	0	0	0	0	0	0	0	0	0	0	0
339.0	10	10	0	0	0	0	0	0	0	0	0	0	0	0
340.0	41	12	25	3	0	0	0	0	0	0	0	0	0	0
341.1	183	5	176	1	0	0	0	0	0	0	0	0	0	0
342.2	224	3	216	4	0	0	0	0	0	0	0	0	0	0
343.2	87	1	91	0	0	0	0	0	0	0	0	0	0	0
344.3	113	0	117	0	0	0	0	0	0	0	0	0	0	0
345.4	74	1	0	0	72	0	0	0	0	0	0	0	0	0
346.4	69	0	0	0	69	0	0	0	0	0	0	0	0	0
347.5	2	1	0	0	0	0	0	0	0	0	0	0	0	0
348.5	5	0	0	0	5	0	0	0	0	0	0	0	0	0
349.6	4	0	0	0	4	0	0	0	0	0	0	0	0	0
350.7	5	0	0	2	2	0	0	0	0	0	0	0	0	0
351.7	2	0	0	1	1	0	0	0	0	0	0	0	0	0
352.8	60	0	51	6	2	0	0	0	0	0	0	0	0	0
353.9	258	0	152	4	101	0	0	0	0	0	0	0	0	0
354.0	248	5	8	1	233	0	0	0	0	0	0	0	0	0
356.0	171	11	0	0	158	0	0	0	0	0	0	0	0	0
357.0	56	15	0	0	41	0	0	0	0	0	0	0	0	0
358.1	126	9	0	0	115	0	0	0	0	0	0	0	0	0
359.2	131	2	0	0	126	0	0	0	0	0	0	0	0	0
360.2	197	2	0	0	194	0	0	0	0	0	0	0	0	0
361.3	206	9	0	0	197	0	0	0	0	0	0	0	0	0
362.4	150	13	0	0	136	0	0	0	0	0	0	0	0	0
363.4	121	7	31	0	22	0	0	0	0	0	0	0	0	0
364.5	145	4	86	1	53	0	0	0	0	0	0	0	0	0
365.5	94	0	30	0	63	0	0	0	0	0	0	0	0	0
366.6	18	0	4	3	10	0	0	0	0	0	0	0	0	0
367.7	68	0	3	0	65	0	0	0	0	0	0	0	0	0
368.7	10	0	2	0	7	0	0	0	0	0	0	0	0	0
369.8	7	0	2	0	4	0	0	0	0	0	0	0	0	0
370.9	6	0	2	0	4	0	0	0	0	0	0	0	0	0
371.9	27	0	2	0	24	0	0	0	0	0	0	0	0	0
372.0	4	0	0	0	3	0	0	0	0	0	0	0	0	0
374.0	3	0	0	0	2	0	0	0	0	0	0	0	0	0
375.1	12	0	1	0	10	0	0	0	0	0	0	0	0	0
376.2	124	0	3	0	121	0	0	0	0	0	0	0	0	0
377.2	67	0	1	0	66	0	0	0	0	0	0	0	0	0
378.3	16	0	2	0	13	0	0	0	0	0	0	0	0	0
379.4	5	0	2	0	3	0	0	0	0	0	0	0	0	0
380.4	6	0	3	0	3	0	0	0	0	0	0	0	0	0
381.5	22	0	2	0	20	0	0	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 08 (DPL-001), 24 JAN 71, 12:31:00, WF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
382.5	33	0	2	0	30	0	0	0	0	0	0	0
383.6	33	0	2	0	31	0	0	0	0	0	0	0
384.7	18	0	2	0	15	0	0	0	0	0	0	0
385.7	4	0	2	1	1	0	0	0	0	0	0	0
386.8	26	0	24	1	0	0	0	0	0	0	0	0
387.9	17	0	13	4	0	0	0	0	0	0	0	0
388.9	98	0	10	0	87	0	0	0	0	0	0	0
390.0	74	0	6	0	67	0	0	0	0	0	0	0
391.0	4	0	2	0	1	0	0	0	0	0	0	0
392.1	1	0	0	0	0	0	0	0	0	0	0	0
393.2	1	0	1	0	0	0	0	0	0	0	0	0
394.2	5	0	0	0	5	0	0	0	0	0	0	0
395.3	7	0	0	0	7	0	0	0	0	0	0	0
396.4	3	0	0	0	0	0	0	0	0	0	0	0
397.4	189	0	0	1	188	0	0	0	0	0	0	0
398.5	448	0	0	0	448	0	0	0	0	0	0	0
399.5	85	0	0	0	85	0	0	0	0	0	0	0
400.6	7	0	0	3	3	0	0	0	0	0	0	0
401.7	12	5	0	3	3	0	0	0	0	0	0	0
402.7	11	0	4	4	3	0	0	0	0	0	0	0
403.8	91	0	88	2	1	0	0	0	0	0	0	0
404.9	73	0	68	3	0	0	0	0	0	0	0	0
405.9	73	0	69	3	0	0	0	0	0	0	0	0
407.0	87	0	87	0	0	0	0	0	0	0	0	0
408.0	64	0	63	1	0	0	0	0	0	0	0	0
409.1	107	0	104	2	0	0	0	0	0	0	0	0
410.2	116	0	98	1	16	0	0	0	0	0	0	0
411.3	53	0	6	0	46	0	0	0	0	0	0	0
412.3	8	3	0	1	2	0	0	0	0	0	0	0
413.4	2	0	0	1	0	0	0	0	0	0	0	0
414.4	162	0	159	3	0	0	0	0	0	0	0	0
415.5	142	0	141	1	0	0	0	0	0	0	0	0
416.5	135	0	131	3	0	0	0	0	0	0	0	0
417.6	108	0	97	2	8	0	0	0	0	0	0	0
418.7	296	0	52	2	242	0	0	0	0	0	0	0
419.7	74	0	2	0	71	0	0	0	0	0	0	0
420.8	12	11	1	0	0	0	0	0	0	0	0	0
421.9	142	14	0	0	135	0	0	0	0	0	0	0
422.9	169	16	0	0	152	0	0	0	0	0	0	0
424.0	115	9	1	0	103	0	0	0	0	0	0	0
425.0	164	10	1	0	153	0	0	0	0	0	0	0
425.1	109	11	0	0	95	0	0	0	0	0	0	0
427.2	41	14	0	0	26	0	0	0	0	0	0	0
428.2	33	19	2	3	9	0	0	0	0	0	0	0
429.3	97	12	76	1	6	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 58 (CP1-001), 24 JAN 71, 12:31:00, WF SPOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**2												
		10	9	8	7	6	5	4	3	2	1			
430.4	167	4	156	0	6	0	0	0	0	0	0	0	0	0
431.4	60	6	44	0	9	0	0	0	0	0	0	0	0	0
432.5	132	8	11	1	110	0	0	0	0	0	0	0	0	0
433.5	134	6	9	1	116	0	0	0	0	0	0	0	0	0
434.6	118	2	5	0	109	0	0	0	0	0	0	0	0	0
435.7	39	3	2	0	34	0	0	0	0	0	0	0	0	0
436.7	20	14	1	0	3	0	0	0	0	0	0	0	0	0
437.9	52	22	11	0	14	0	0	0	0	0	0	0	0	0
438.9	167	16	63	5	82	0	0	0	0	0	0	0	0	0
439.9	215	18	21	0	174	0	0	0	0	0	0	0	0	0
441.0	46	11	10	7	21	0	0	0	0	0	0	0	0	0
442.0	14	8	1	0	4	0	0	0	0	0	0	0	0	0
447.1	56	11	0	0	40	0	0	0	0	0	0	0	0	0
444.2	54	5	0	0	37	0	0	0	0	0	0	0	0	0
445.2	19	1	0	0	3	0	0	0	11	0	0	0	0	0
446.3	10	1	0	0	3	0	0	0	14	0	0	0	0	0
447.4	1	0	0	0	3	0	0	0	5	0	0	0	0	0
448.4	4	4	0	0	1	0	0	0	0	0	0	0	0	0
449.5	9	8	0	0	0	0	0	0	0	0	0	0	0	0
450.5	4	4	0	0	0	0	0	0	1	0	0	0	0	0
451.6	58	11	0	0	0	0	0	0	0	0	0	0	0	0
452.7	39	17	0	0	0	0	0	0	45	0	0	0	0	0
453.7	12	12	0	0	0	0	0	0	21	0	0	0	0	0
454.8	9	9	0	0	0	0	0	0	0	0	0	0	0	0
455.8	16	14	0	0	0	0	0	0	0	0	0	0	0	0
456.9	65	7	0	0	0	0	0	0	2	0	0	0	0	0
458.0	18	4	0	0	0	0	0	0	57	0	0	0	0	0
459.0	78	0	0	0	0	0	0	0	14	0	0	0	0	0
460.1	63	0	0	0	0	0	0	0	78	0	0	0	0	0
461.2	6	1	0	0	0	0	0	0	63	0	0	0	0	0
462.2	10	8	1	0	0	0	0	0	4	0	0	0	0	0
463.3	1	0	1	0	0	0	0	0	0	0	0	0	0	0
464.4	19	18	0	0	0	0	0	0	0	0	0	0	0	0
465.4	59	12	0	0	0	0	0	0	0	0	0	0	0	0
466.5	13	7	1	0	0	0	0	0	45	0	0	0	0	0
467.5	14	9	1	0	0	0	0	0	4	0	0	0	0	0
468.6	42	12	1	0	0	0	0	0	2	0	0	0	0	0
469.7	21	14	0	0	0	0	0	0	29	0	0	0	0	0
470.7	15	14	1	0	5	0	0	0	1	0	0	0	0	0
471.8	8	3	1	0	0	0	0	0	0	0	0	0	0	0
472.8	49	9	1	0	0	0	0	0	3	0	0	0	0	0
473.9	14	10	2	0	0	0	0	0	38	0	0	0	0	0
475.0	8	5	2	0	0	0	0	0	1	0	0	0	0	0
476.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
477.1	18	0	0	0	0	0	0	0	17	0	0	0	0	0

Table 34. Concentration thru Time (Cont.)

TRIAL 08 (DP1-001), 24 JAN 78, 12:31:00, WF SCKE

TIME SECC	CL NO/M**2	CONCENTRATIONS NO/M**3												
		10	9	8	7	6	5	4	3	2	1			
478.2	5	3	0	0	0	0	0	0	0	0	0	0	0	0
479.2	37	14	1	0	21	0	0	0	0	0	0	0	0	0
480.2	17	14	1	0	2	0	0	0	0	0	0	0	0	0
481.4	21	9	0	0	0	0	10	0	0	0	0	0	0	0
482.4	14	12	0	0	0	0	0	0	0	0	0	0	0	0
483.5	46	10	1	0	0	0	34	0	0	0	0	0	0	0
484.5	90	0	1	0	0	0	88	0	0	0	0	0	0	0
485.6	40	3	0	0	0	0	36	0	0	0	0	0	0	0
486.7	39	2	0	0	0	0	36	0	0	0	0	0	0	0
487.7	18	0	1	0	0	0	16	0	0	0	0	0	0	0
488.8	13	0	1	0	0	0	12	0	0	0	0	0	0	0
489.9	4	1	0	0	0	0	2	0	0	0	0	0	0	0
490.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
492.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
497.0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
494.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
495.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
496.2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
497.3	2	0	1	0	0	0	0	0	0	0	0	0	0	0
498.4	15	13	0	0	0	0	0	0	0	0	0	0	0	0
499.4	17	9	0	0	0	0	7	0	0	0	0	0	0	0
500.5	22	15	1	0	0	0	6	0	0	0	0	0	0	0
501.5	19	17	1	0	0	0	0	0	0	0	0	0	0	0
502.6	15	14	0	0	0	0	0	0	0	0	0	0	0	0
503.7	14	13	0	0	0	0	0	0	0	0	0	0	0	0
504.7	23	18	1	0	0	0	0	0	0	0	0	0	0	0
505.8	27	21	1	0	0	0	0	0	0	0	0	0	0	0
506.9	34	16	1	0	0	0	16	0	0	0	0	0	0	0
507.9	49	10	2	0	0	0	36	0	0	0	0	0	0	0
508.0	47	5	3	0	0	0	38	0	0	0	0	0	0	0
510.0	29	13	2	0	0	0	13	0	0	0	0	0	0	0
511.1	25	13	0	0	0	0	10	0	0	0	0	0	0	0
512.2	28	3	1	0	0	0	23	0	0	0	0	0	0	0
513.2	96	5	3	0	0	0	77	0	0	0	0	0	0	0
514.3	50	8	2	0	0	0	40	0	0	0	0	0	0	0
515.4	10	2	2	0	0	0	5	0	0	0	0	0	0	0
516.4	4	2	0	0	0	0	0	0	0	0	0	0	0	0
517.5	18	10	2	0	0	0	6	0	0	0	0	0	0	0
518.5	45	4	0	0	0	0	39	0	0	0	0	0	0	0
519.6	19	0	0	0	0	0	18	0	0	0	0	0	0	0
520.7	10	0	0	0	0	0	9	0	0	0	0	0	0	0
521.7	8	0	0	0	0	0	6	2	0	0	0	0	0	0
522.8	2	1	0	0	0	0	0	0	0	0	0	0	0	0
523.9	15	15	0	0	0	0	0	0	0	0	0	0	0	0
524.9	13	13	0	0	0	0	0	0	0	0	0	0	0	0

Table 34. Concentration thru Time (Conc.)

TRIAL 80 (DPA-CC1), 24 JAN 71, 12:33:00, WF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**2												
		10	9	8	7	6	5	4	3	2	1			
526.0	15	15	0	0	0	0	0	0	0	0	0	0	0	0
527.0	35	13	0	0	0	0	0	21	0	0	0	0	0	0
528.1	69	11	0	0	0	0	0	57	0	0	0	0	0	0
529.2	51	11	0	0	0	0	0	39	0	0	0	0	0	0
530.2	50	13	0	0	0	0	0	36	0	0	0	0	0	0
531.3	19	7	0	0	0	0	0	11	0	0	0	0	0	0
532.4	62	9	0	0	0	0	0	52	0	0	0	0	0	0
533.4	38	13	0	0	0	0	0	24	0	0	0	0	0	0
534.5	39	14	0	0	0	0	0	22	0	0	0	0	0	0
535.5	36	8	0	0	0	0	0	29	0	0	0	0	0	0
536.6	12	8	0	0	0	0	0	2	0	0	0	0	0	0
537.7	19	17	0	0	0	0	0	0	0	0	0	0	0	0
538.7	22	20	0	0	0	0	0	1	0	0	0	0	0	0
539.8	15	11	1	0	0	0	0	2	0	0	0	0	0	0
540.9	11	0	2	0	0	0	0	8	0	0	0	0	0	0
541.9	35	3	2	0	0	0	0	24	0	0	0	0	0	0
542.0	15	11	2	0	0	0	0	1	0	0	0	0	0	0
543.0	19	15	2	0	0	0	0	1	0	0	0	0	0	0
544.1	34	15	0	0	0	0	0	18	0	0	0	0	0	0
545.2	19	13	2	0	0	0	0	4	0	0	0	0	0	0
546.2	17	6	2	0	0	0	0	9	0	0	0	0	0	0
547.3	19	0	3	0	0	0	0	15	0	0	0	0	0	0
548.4	21	3	1	0	0	0	0	16	0	0	0	0	0	0
549.4	30	5	0	0	0	0	0	24	0	0	0	0	0	0
550.4	7	3	0	0	0	0	0	2	0	0	0	0	0	0
551.5	10	7	2	0	0	0	0	1	0	0	0	0	0	0
552.5	21	11	0	0	0	0	0	10	0	0	0	0	0	0
553.7	23	10	0	0	0	0	0	13	0	0	0	0	0	0
554.7	9	9	0	0	0	0	0	0	0	0	0	0	0	0
555.7	2	1	0	0	0	0	0	0	0	0	0	0	0	0
556.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
557.8	1	0	0	0	0	0	0	1	0	0	0	0	0	0
558.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
559.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
560.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
562.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
563.2	52	0	0	0	0	32	0	0	0	0	0	0	0	0
564.2	19	0	0	0	0	19	0	0	0	0	0	0	0	0
565.3	20	0	0	0	0	0	0	19	0	0	0	0	0	0
566.3	9	0	0	0	0	0	0	9	0	0	0	0	0	0
567.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
568.5	4	0	0	0	0	4	0	0	0	0	0	0	0	0
569.5	2	0	0	0	0	2	0	0	0	0	0	0	0	0
570.6	17	17	0	0	0	0	0	0	0	0	0	0	0	0
571.7	10	10	0	0	0	0	0	0	0	0	0	0	0	0
572.7	25	15	0	0	0	0	0	10	0	0	0	0	0	0

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Table 35. Weight Loss thru Time

TN	WN	RW	RT
0.	63. 14	0. 00	0. 00
1.	63. 43	-0. 01	0. 00
2.	63. 52	-0. 01	0. 00
3.	63. 79	-0. 02	0. 01
4.	63. 01	-0. 05	0. 01
5.	63. 50	-0. 08	0. 01
6.	63. 31	-0. 03	0. 01
7.	64. 61	-0. 04	0. 01
8.	64. 28	-0. 03	0. 01
9.	64. 01	-0. 02	0. 02
10.	63. 61	-0. 01	0. 02
11.	63. 54	-0. 01	0. 02
12.	63. 51	-0. 01	0. 02
13.	63. 54	-0. 01	0. 02
14.	63. 34	-0. 01	0. 03
15.	63. 30	-0. 00	0. 03
16.	63. 12	0. 00	0. 03
17.	63. 07	0. 00	0. 03
18.	63. 68	0. 01	0. 03
19.	63. 94	0. 00	0. 03
20.	63. 43	0. 02	0. 04
21.	63. 00	0. 03	0. 04
22.	62. 64	0. 01	0. 04
23.	62. 97	0. 02	0. 04
24.	62. 96	0. 02	0. 04
25.	62. 16	0. 02	0. 04
26.	62. 09	0. 03	0. 05
27.	61. 97	0. 03	0. 05
28.	61. 99	0. 03	0. 05
29.	61. 76	0. 03	0. 05
30.	61. 79	0. 03	0. 05
31.	61. 61	0. 04	0. 06
32.	61. 93	0. 04	0. 06
33.	61. 20	0. 05	0. 06
34.	61. 20	0. 05	0. 06
35.	61. 09	0. 05	0. 06
36.	60. 97	0. 05	0. 06
37.	60. 82	0. 06	0. 07
38.	60. 72	0. 06	0. 07
39.	60. 57	0. 06	0. 07
40.	60. 45	0. 07	0. 07
41.	60. 36	0. 07	0. 07
42.	60. 23	0. 07	0. 08
43.	60. 16	0. 07	0. 08
44.	59. 93	0. 08	0. 08
45.	59. 83	0. 08	0. 08
46.	59. 63	0. 09	0. 08
47.	59. 50	0. 09	0. 08
48.	59. 32	0. 09	0. 09
49.	59. 29	0. 10	0. 09
50.	59. 14	0. 10	0. 09
51.	59. 93	0. 10	0. 09
52.	59. 60	0. 11	0. 09
53.	59. 63	0. 11	0. 10
54.	59. 44	0. 12	0. 10
55.	59. 41	0. 12	0. 10
56.	59. 14	0. 12	0. 10

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	57.99	0.13	0.10
58.	57.92	0.13	0.10
59.	57.84	0.13	0.11
60.	57.59	0.14	0.11
61.	57.54	0.14	0.11
62.	57.20	0.15	0.11
63.	57.16	0.15	0.11
64.	57.08	0.15	0.11
65.	56.80	0.16	0.12
66.	56.68	0.16	0.12
67.	56.59	0.16	0.12
68.	56.41	0.17	0.12
69.	56.40	0.17	0.12
70.	56.20	0.17	0.13
71.	55.96	0.18	0.13
72.	55.98	0.18	0.13
73.	55.64	0.19	0.13
74.	55.65	0.19	0.13
75.	55.49	0.19	0.13
76.	55.31	0.19	0.13
77.	55.23	0.20	0.14
78.	55.12	0.20	0.14
79.	55.01	0.20	0.14
80.	54.88	0.21	0.14
81.	54.62	0.21	0.15
82.	54.49	0.22	0.15
83.	54.50	0.21	0.15
84.	54.27	0.22	0.15
85.	54.07	0.23	0.15
86.	54.04	0.23	0.15
87.	53.86	0.23	0.16
88.	53.79	0.23	0.16
89.	53.59	0.24	0.16
90.	53.59	0.24	0.16
91.	53.46	0.24	0.16
92.	53.24	0.25	0.17
93.	53.09	0.25	0.17
94.	52.94	0.25	0.17
95.	52.94	0.25	0.17
96.	52.79	0.26	0.17
97.	52.52	0.26	0.17
98.	52.45	0.27	0.18
99.	52.33	0.27	0.18
100.	52.22	0.27	0.18
101.	52.12	0.27	0.18
102.	51.88	0.28	0.18
103.	51.79	0.28	0.18
104.	51.73	0.28	0.19
105.	51.61	0.29	0.19
106.	51.49	0.29	0.19
107.	51.31	0.29	0.19
108.	51.25	0.30	0.19
109.	51.03	0.30	0.20
110.	50.76	0.31	0.20
111.	50.73	0.31	0.20
112.	50.51	0.31	0.20
113.	50.39	0.32	0.20
114.	50.35	0.32	0.20

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	50. 26	0. 32	0. 21
116.	50. 12	0. 32	0. 21
117.	49. 88	0. 33	0. 21
118.	49. 85	0. 33	0. 21
119.	49. 65	0. 34	0. 21
120.	49. 50	0. 34	0. 22
121.	49. 41	0. 34	0. 22
122.	49. 24	0. 35	0. 22
123.	49. 11	0. 35	0. 22
124.	49. 20	0. 35	0. 22
125.	48. 90	0. 35	0. 22
126.	48. 80	0. 36	0. 23
127.	48. 62	0. 36	0. 23
128.	48. 48	0. 36	0. 23
129.	48. 39	0. 37	0. 23
130.	48. 30	0. 37	0. 23
131.	48. 11	0. 37	0. 24
132.	48. 05	0. 38	0. 24
133.	47. 95	0. 38	0. 24
134.	47. 81	0. 38	0. 24
135.	47. 63	0. 39	0. 24
136.	47. 50	0. 39	0. 24
137.	47. 44	0. 39	0. 25
138.	47. 41	0. 39	0. 25
139.	47. 23	0. 40	0. 25
140.	47. 08	0. 40	0. 25
141.	46. 92	0. 40	0. 25
142.	46. 92	0. 40	0. 25
143.	46. 74	0. 41	0. 26
144.	46. 58	0. 41	0. 26
145.	46. 43	0. 42	0. 26
146.	46. 43	0. 42	0. 26
147.	46. 37	0. 42	0. 26
148.	46. 01	0. 43	0. 27
149.	45. 93	0. 43	0. 27
150.	45. 84	0. 43	0. 27
151.	45. 81	0. 43	0. 27
152.	45. 59	0. 44	0. 27
153.	45. 50	0. 44	0. 27
154.	45. 31	0. 44	0. 28
155.	45. 28	0. 44	0. 28
156.	45. 16	0. 45	0. 28
157.	45. 17	0. 45	0. 28
158.	44. 89	0. 45	0. 28
159.	44. 85	0. 45	0. 29
160.	44. 73	0. 46	0. 29
161.	44. 56	0. 46	0. 29
162.	44. 41	0. 47	0. 29
163.	44. 38	0. 47	0. 29
164.	44. 28	0. 47	0. 29
165.	44. 21	0. 47	0. 30
166.	44. 04	0. 47	0. 30
167.	43. 98	0. 48	0. 30
168.	43. 80	0. 48	0. 30
169.	43. 76	0. 48	0. 30
170.	43. 67	0. 48	0. 31
171.	43. 52	0. 49	0. 31
172.	43. 27	0. 49	0. 31

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	43.25	0.49	0.31
174.	43.15	0.50	0.31
175.	43.03	0.50	0.31
176.	43.01	0.50	0.31
177.	42.89	0.50	0.32
178.	42.69	0.51	0.32
179.	42.71	0.51	0.32
180.	42.60	0.51	0.32
181.	42.42	0.52	0.32
182.	42.28	0.52	0.33
183.	42.19	0.52	0.33
184.	42.12	0.52	0.33
185.	42.07	0.52	0.33
186.	41.93	0.53	0.33
187.	41.81	0.53	0.34
188.	41.73	0.53	0.34
189.	41.55	0.54	0.34
190.	41.39	0.54	0.34
191.	41.31	0.54	0.34
192.	41.18	0.55	0.34
193.	41.02	0.55	0.35
194.	41.06	0.55	0.35
195.	40.91	0.55	0.35
196.	40.78	0.56	0.35
197.	40.72	0.56	0.35
198.	40.51	0.56	0.36
199.	40.49	0.56	0.36
200.	40.29	0.57	0.36
201.	40.35	0.57	0.36
202.	40.32	0.57	0.36
203.	39.99	0.58	0.36
204.	39.96	0.58	0.37
205.	39.94	0.58	0.37
206.	39.81	0.58	0.37
207.	39.64	0.58	0.37
208.	39.59	0.59	0.37
209.	39.39	0.59	0.38
210.	39.42	0.59	0.38
211.	39.35	0.59	0.38
212.	39.30	0.59	0.38
213.	39.21	0.59	0.38
214.	38.94	0.60	0.38
215.	38.87	0.60	0.39
216.	38.81	0.60	0.39
217.	38.71	0.61	0.39
218.	38.71	0.61	0.39
219.	38.50	0.61	0.39
220.	38.44	0.61	0.39
221.	38.33	0.62	0.40
222.	38.30	0.62	0.40
223.	38.14	0.62	0.40
224.	37.95	0.63	0.40
225.	37.95	0.63	0.40
226.	37.81	0.63	0.41
227.	37.77	0.63	0.41
228.	37.75	0.63	0.41
229.	37.54	0.64	0.41
230.	37.48	0.64	0.41

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	37.44	0.64	0.41
232.	37.32	0.64	0.42
233.	37.29	0.64	0.42
234.	37.04	0.65	0.42
235.	37.01	0.65	0.42
236.	36.90	0.65	0.42
237.	36.92	0.65	0.43
238.	36.68	0.66	0.43
239.	36.72	0.66	0.43
240.	36.63	0.66	0.43
241.	36.51	0.66	0.43
242.	36.67	0.67	0.43
243.	36.34	0.67	0.44
244.	36.34	0.67	0.44
245.	36.19	0.67	0.44
246.	36.02	0.67	0.44
247.	35.99	0.67	0.44
248.	35.96	0.68	0.45
249.	35.81	0.68	0.45
250.	35.75	0.68	0.45
251.	35.84	0.68	0.45
252.	35.59	0.68	0.45
253.	35.46	0.69	0.45
254.	35.44	0.69	0.46
255.	35.37	0.69	0.46
256.	35.32	0.69	0.46
257.	35.16	0.70	0.46
258.	35.22	0.69	0.46
259.	35.14	0.70	0.46
260.	35.04	0.70	0.47
261.	34.91	0.70	0.47
262.	34.91	0.70	0.47
263.	34.68	0.71	0.47
264.	34.59	0.71	0.47
265.	34.56	0.71	0.48
266.	34.50	0.71	0.48
267.	34.41	0.71	0.48
268.	34.31	0.72	0.48
269.	34.31	0.72	0.48
270.	34.10	0.72	0.48
271.	34.06	0.72	0.49
272.	34.06	0.72	0.49
273.	34.06	0.72	0.49
274.	33.92	0.73	0.49
275.	33.74	0.73	0.49
276.	33.74	0.73	0.49
277.	33.68	0.73	0.50
278.	33.59	0.74	0.50
279.	33.48	0.74	0.50
280.	33.40	0.74	0.50
281.	33.27	0.74	0.50
282.	33.39	0.74	0.51
283.	33.07	0.75	0.51
284.	33.10	0.75	0.51
285.	33.97	0.75	0.51
286.	33.57	0.76	0.51
287.	32.21	0.77	0.52
288.	32.16	0.77	0.52

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
289.	32.21	0.77	0.52
290.	32.60	0.76	0.52
291.	32.62	0.76	0.52
292.	32.55	0.76	0.52
293.	32.45	0.76	0.53
294.	32.43	0.76	0.53
295.	32.34	0.77	0.53
296.	32.28	0.77	0.53
297.	32.19	0.77	0.53
298.	32.23	0.77	0.54
299.	32.25	0.77	0.54
300.	32.15	0.77	0.54
301.	32.03	0.77	0.54
302.	31.95	0.78	0.54
303.	31.86	0.78	0.54
304.	31.82	0.78	0.55
305.	31.67	0.78	0.55
306.	31.58	0.78	0.55
307.	31.52	0.79	0.55
308.	31.49	0.79	0.55
309.	31.52	0.79	0.55
310.	31.51	0.79	0.56
311.	31.40	0.79	0.56
312.	31.30	0.79	0.56
313.	31.28	0.79	0.56
314.	31.21	0.79	0.56
315.	31.07	0.80	0.57
316.	31.05	0.80	0.57
317.	31.00	0.80	0.57
318.	30.93	0.80	0.57
319.	30.78	0.80	0.57
320.	30.75	0.81	0.57
321.	30.78	0.80	0.58
322.	30.69	0.81	0.58
323.	30.72	0.81	0.58
324.	30.48	0.81	0.58
325.	30.40	0.81	0.58
326.	30.49	0.81	0.59
327.	30.45	0.81	0.59
328.	30.28	0.82	0.59
329.	30.27	0.82	0.59
330.	30.33	0.82	0.59
331.	30.21	0.82	0.59
332.	30.20	0.82	0.60
333.	30.23	0.82	0.60
334.	30.12	0.82	0.60
335.	30.03	0.82	0.60
336.	29.87	0.83	0.60
337.	29.85	0.83	0.61
338.	29.85	0.83	0.61
339.	29.90	0.83	0.61
340.	29.67	0.83	0.61
341.	29.66	0.83	0.61
342.	29.75	0.83	0.61
343.	29.57	0.83	0.61
344.	29.48	0.84	0.62
345.	29.41	0.84	0.62
346.	29.58	0.84	0.62

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
347.	29. 33	0. 84	0. 62
348.	29. 30	0. 84	0. 62
349.	29. 32	0. 84	0. 63
350.	29. 15	0. 85	0. 63
351.	29. 17	0. 84	0. 63
352.	29. 05	0. 85	0. 63
353.	29. 02	0. 85	0. 63
354.	29. 06	0. 85	0. 64
355.	28. 90	0. 85	0. 64
356.	28. 85	0. 85	0. 64
357.	28. 90	0. 85	0. 64
358.	28. 73	0. 86	0. 64
359.	28. 81	0. 85	0. 64
360.	28. 76	0. 85	0. 65
361.	28. 73	0. 86	0. 65
362.	28. 72	0. 86	0. 65
363.	28. 60	0. 86	0. 65
364.	28. 53	0. 86	0. 65
365.	28. 51	0. 86	0. 66
366.	28. 32	0. 87	0. 66
367.	28. 33	0. 87	0. 66
368.	28. 33	0. 87	0. 66
369.	28. 33	0. 87	0. 66
370.	28. 21	0. 87	0. 66
371.	28. 24	0. 87	0. 67
372.	28. 12	0. 87	0. 67
373.	28. 23	0. 87	0. 67
374.	28. 12	0. 87	0. 67
375.	28. 09	0. 87	0. 67
376.	28. 08	0. 87	0. 68
377.	27. 96	0. 87	0. 68
378.	27. 97	0. 87	0. 68
379.	27. 92	0. 88	0. 68
380.	27. 86	0. 88	0. 68
381.	27. 86	0. 88	0. 68
382.	27. 83	0. 88	0. 69
383.	27. 74	0. 88	0. 69
384.	27. 77	0. 88	0. 69
385.	27. 63	0. 88	0. 69
386.	27. 59	0. 88	0. 69
387.	27. 63	0. 88	0. 69
388.	27. 65	0. 88	0. 70
389.	27. 66	0. 88	0. 70
390.	27. 54	0. 89	0. 70
391.	27. 48	0. 89	0. 70
392.	27. 44	0. 89	0. 70
393.	27. 36	0. 89	0. 71
394.	27. 39	0. 89	0. 71
395.	27. 30	0. 89	0. 71
396.	27. 26	0. 89	0. 71
397.	27. 27	0. 89	0. 71
398.	27. 20	0. 89	0. 71
399.	27. 21	0. 89	0. 72
400.	27. 13	0. 90	0. 72
401.	27. 08	0. 90	0. 72
402.	27. 07	0. 90	0. 72
403.	27. 05	0. 90	0. 72
404.	26. 90	0. 90	0. 73

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Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
405.	27.01	0.90	0.73
406.	26.96	0.90	0.73
407.	26.83	0.90	0.73
408.	26.77	0.90	0.73
409.	26.81	0.90	0.73
410.	26.80	0.90	0.74
411.	26.69	0.91	0.74
412.	26.71	0.91	0.74
413.	26.59	0.91	0.74
414.	26.68	0.91	0.74
415.	26.62	0.91	0.75
416.	26.42	0.91	0.75
417.	26.45	0.91	0.75
418.	26.44	0.91	0.75
419.	26.38	0.91	0.75
420.	26.45	0.91	0.75
421.	26.29	0.92	0.76
422.	26.28	0.92	0.76
423.	26.23	0.92	0.76
424.	26.23	0.92	0.76
425.	26.31	0.92	0.76
426.	26.10	0.92	0.76
427.	26.23	0.92	0.77
428.	26.13	0.92	0.77
429.	26.05	0.92	0.77
430.	25.98	0.92	0.77
431.	26.13	0.92	0.77
432.	26.07	0.92	0.78
433.	26.04	0.92	0.78
434.	26.01	0.92	0.78
435.	26.08	0.92	0.78
436.	25.89	0.93	0.78
437.	25.84	0.93	0.78
438.	25.89	0.93	0.79
439.	25.80	0.93	0.79
440.	25.75	0.93	0.79
441.	25.74	0.93	0.79
442.	25.71	0.93	0.79
443.	25.72	0.93	0.80
444.	25.65	0.93	0.80
445.	25.61	0.93	0.80
446.	25.53	0.94	0.80
447.	25.55	0.93	0.80
448.	25.66	0.93	0.80
449.	25.56	0.93	0.81
450.	25.46	0.94	0.81
451.	25.29	0.94	0.81
452.	25.46	0.94	0.81
453.	25.46	0.94	0.81
454.	25.44	0.94	0.82
455.	25.32	0.94	0.82
456.	25.19	0.94	0.82
457.	25.25	0.94	0.82
458.	25.20	0.94	0.82
459.	25.28	0.94	0.82
460.	25.19	0.94	0.83
461.	25.13	0.95	0.83
462.	25.02	0.95	0.83

TRIAL A7

Table 35. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
463.	25. 17	0. 94	0. 83
464.	25. 13	0. 95	0. 83
465.	25. 10	0. 95	0. 83
466.	25. 08	0. 95	0. 84
467.	25. 01	0. 95	0. 84
468.	24. 95	0. 95	0. 84
469.	24. 86	0. 95	0. 84
470.	24. 96	0. 95	0. 84
471.	24. 92	0. 95	0. 85
472.	24. 86	0. 95	0. 85
473.	24. 86	0. 95	0. 85
474.	24. 71	0. 96	0. 85
475.	24. 71	0. 96	0. 85
476.	24. 76	0. 95	0. 85
477.	24. 70	0. 96	0. 86
478.	24. 70	0. 96	0. 86
479.	24. 58	0. 96	0. 86
480.	24. 58	0. 96	0. 86
481.	24. 53	0. 96	0. 86
482.	24. 53	0. 96	0. 87
483.	24. 53	0. 96	0. 87
484.	24. 44	0. 96	0. 87
485.	24. 38	0. 96	0. 87
486.	24. 43	0. 96	0. 87
487.	24. 35	0. 96	0. 87
488.	24. 37	0. 96	0. 88
489.	24. 41	0. 96	0. 88
490.	24. 29	0. 97	0. 88
491.	24. 32	0. 97	0. 88
492.	24. 41	0. 96	0. 88
493.	24. 29	0. 97	0. 89
494.	24. 26	0. 97	0. 89
495.	24. 17	0. 97	0. 89
496.	24. 16	0. 97	0. 89
497.	24. 16	0. 97	0. 89
498.	24. 08	0. 97	0. 89
499.	24. 20	0. 97	0. 90
500.	24. 10	0. 97	0. 90
501.	23. 94	0. 97	0. 90
502.	24. 10	0. 97	0. 90
503.	24. 03	0. 97	0. 90
504.	24. 00	0. 97	0. 90
505.	23. 94	0. 97	0. 91
506.	24. 03	0. 97	0. 91
507.	23. 95	0. 97	0. 91
508.	23. 86	0. 98	0. 91
509.	23. 89	0. 98	0. 91
510.	23. 83	0. 98	0. 92
511.	23. 79	0. 98	0. 92
512.	23. 70	0. 98	0. 92
513.	23. 80	0. 98	0. 92
514.	23. 73	0. 98	0. 92
515.	23. 71	0. 98	0. 92
516.	23. 70	0. 98	0. 93
517.	23. 70	0. 98	0. 93
518.	23. 68	0. 98	0. 93
519.	23. 70	0. 98	0. 93
520.	23. 64	0. 98	0. 93

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Table 35. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
521.	23. 61	0. 98	0. 94
522.	23. 64	0. 98	0. 94
523.	23. 56	0. 98	0. 94
524.	23. 52	0. 99	0. 94
525.	23. 58	0. 98	0. 94
526.	23. 53	0. 98	0. 94
527.	23. 52	0. 99	0. 95
528.	23. 43	0. 99	0. 95
529.	23. 49	0. 99	0. 95
530.	23. 44	0. 99	0. 95
531.	23. 32	0. 99	0. 95
532.	23. 50	0. 99	0. 96
533.	23. 53	0. 98	0. 96
534.	23. 46	0. 99	0. 96
535.	23. 34	0. 99	0. 96
536.	23. 29	0. 99	0. 96
537.	23. 33	0. 99	0. 96
538.	23. 37	0. 99	0. 97
539.	23. 38	0. 99	0. 97
540.	23. 34	0. 99	0. 97
541.	23. 35	0. 99	0. 97
542.	23. 27	0. 99	0. 97
543.	23. 21	0. 99	0. 97
544.	23. 29	0. 99	0. 98
545.	23. 28	0. 99	0. 98
546.	23. 24	0. 99	0. 98
547.	23. 34	0. 99	0. 98
548.	23. 18	0. 99	0. 98
549.	23. 19	0. 99	0. 98
550.	23. 21	0. 99	0. 99
551.	23. 07	1. 00	0. 99
552.	23. 03	1. 00	0. 99
553.	23. 07	1. 00	0. 99
554.	23. 07	1. 00	0. 99
555.	23. 10	1. 00	0. 99
556.	23. 10	1. 00	1. 00
557.	22. 92	1. 00	1. 00

Table 36. Weight Loss thru Time

TRIAL AS TN	WN	RW	RT
0.	51.56	0.00	0.00
1.	51.55	0.00	0.00
2.	51.50	0.00	0.00
3.	51.81	-0.01	0.01
4.	52.20	-0.02	0.01
5.	53.78	-0.06	0.01
6.	52.86	-0.04	0.01
7.	52.78	-0.03	0.01
8.	52.84	-0.04	0.01
9.	52.14	-0.02	0.02
10.	51.74	-0.00	0.02
11.	51.72	-0.00	0.02
12.	51.61	-0.00	0.02
13.	51.50	0.00	0.02
14.	51.44	0.00	0.03
15.	51.40	0.00	0.03
16.	51.37	0.01	0.03
17.	51.35	0.01	0.03
18.	51.15	0.01	0.03
19.	51.09	0.01	0.04
20.	51.12	0.01	0.04
21.	51.06	0.01	0.04
22.	50.95	0.02	0.04
23.	50.78	0.02	0.04
24.	50.64	0.03	0.04
25.	50.63	0.03	0.05
26.	50.58	0.03	0.05
27.	50.52	0.03	0.05
28.	50.29	0.03	0.05
29.	50.20	0.04	0.05
30.	50.20	0.04	0.06
31.	50.01	0.04	0.06
32.	49.87	0.05	0.06
33.	49.74	0.05	0.06
34.	49.61	0.05	0.06
35.	49.41	0.06	0.06
36.	49.21	0.06	0.07
37.	49.20	0.07	0.07
38.	49.14	0.07	0.07
39.	49.10	0.07	0.07
40.	48.92	0.07	0.07
41.	48.90	0.07	0.08
42.	48.67	0.08	0.08
43.	48.61	0.08	0.08
44.	48.43	0.09	0.08
45.	48.43	0.09	0.08
46.	48.23	0.09	0.08
47.	48.12	0.09	0.09
48.	47.95	0.10	0.09
49.	47.75	0.10	0.09
50.	47.69	0.11	0.09
51.	47.52	0.11	0.09
52.	47.43	0.11	0.10
53.	47.29	0.12	0.10
54.	47.13	0.12	0.10
55.	47.07	0.12	0.10
56.	46.87	0.13	0.10

TRIAL AS

Table 36. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	46.75	0.13	0.11
58.	46.60	0.14	0.11
59.	46.46	0.14	0.11
60.	46.46	0.14	0.11
61.	46.35	0.14	0.11
62.	46.23	0.15	0.11
63.	46.07	0.15	0.12
64.	45.93	0.15	0.12
65.	45.84	0.16	0.12
66.	45.81	0.16	0.12
67.	45.57	0.16	0.12
68.	45.43	0.17	0.13
69.	45.21	0.17	0.13
70.	45.24	0.17	0.13
71.	45.03	0.18	0.13
72.	44.95	0.18	0.13
73.	44.90	0.18	0.13
74.	44.81	0.19	0.14
75.	44.56	0.19	0.14
76.	44.52	0.19	0.14
77.	44.35	0.20	0.14
78.	44.27	0.20	0.14
79.	44.12	0.20	0.15
80.	44.07	0.21	0.15
81.	43.81	0.21	0.15
82.	43.76	0.21	0.15
83.	43.60	0.22	0.15
84.	43.72	0.22	0.15
85.	43.43	0.22	0.16
86.	43.38	0.22	0.16
87.	43.29	0.23	0.16
88.	43.06	0.23	0.16
89.	42.95	0.24	0.16
90.	42.86	0.24	0.17
91.	42.84	0.24	0.17
92.	42.58	0.25	0.17
93.	42.52	0.25	0.17
94.	42.41	0.25	0.17
95.	42.35	0.25	0.18
96.	42.20	0.26	0.18
97.	42.10	0.26	0.18
98.	41.93	0.26	0.18
99.	41.79	0.27	0.18
100.	41.53	0.28	0.18
101.	41.55	0.28	0.19
102.	41.50	0.28	0.19
103.	41.35	0.28	0.19
104.	41.24	0.28	0.19
105.	40.99	0.29	0.19
106.	40.96	0.29	0.19
107.	40.72	0.30	0.20
108.	40.73	0.30	0.20
109.	40.59	0.30	0.20
110.	40.53	0.30	0.20
111.	40.32	0.31	0.20
112.	40.13	0.31	0.21
113.	40.13	0.31	0.21
114.	39.98	0.32	0.21

Table 36. Weight Loss thru Time (Cont.)

TRIAL AS	TN	WN	RW	RT
	115.	39. 89	0. 32	0. 21
	116.	39. 67	0. 33	0. 21
	117.	39. 69	0. 33	0. 22
	118.	39. 50	0. 33	0. 22
	119.	39. 44	0. 33	0. 22
	120.	39. 12	0. 34	0. 22
	121.	39. 19	0. 34	0. 22
	122.	39. 10	0. 34	0. 23
	123.	38. 87	0. 35	0. 23
	124.	38. 79	0. 35	0. 23
	125.	38. 76	0. 35	0. 23
	126.	38. 53	0. 36	0. 23
	127.	38. 49	0. 36	0. 23
	128.	38. 27	0. 37	0. 24
	129.	38. 16	0. 37	0. 24
	130.	38. 04	0. 37	0. 24
	131.	37. 98	0. 37	0. 24
	132.	37. 78	0. 38	0. 24
	133.	37. 75	0. 38	0. 25
	134.	37. 70	0. 38	0. 25
	135.	37. 59	0. 38	0. 25
	136.	37. 38	0. 39	0. 25
	137.	37. 35	0. 39	0. 25
	138.	37. 19	0. 40	0. 25
	139.	36. 98	0. 40	0. 26
	140.	36. 87	0. 40	0. 26
	141.	36. 79	0. 41	0. 26
	142.	36. 73	0. 41	0. 26
	143.	36. 61	0. 41	0. 26
	144.	36. 53	0. 41	0. 27
	145.	36. 39	0. 42	0. 27
	146.	36. 16	0. 42	0. 27
	147.	36. 16	0. 42	0. 27
	148.	35. 99	0. 43	0. 27
	149.	36. 02	0. 43	0. 27
	150.	35. 75	0. 43	0. 28
	151.	35. 73	0. 44	0. 28
	152.	35. 44	0. 44	0. 28
	153.	35. 42	0. 44	0. 28
	154.	35. 35	0. 45	0. 28
	155.	35. 29	0. 45	0. 29
	156.	35. 15	0. 45	0. 29
	157.	35. 02	0. 45	0. 29
	158.	34. 98	0. 46	0. 29
	159.	34. 85	0. 46	0. 29
	160.	34. 82	0. 46	0. 30
	161.	34. 64	0. 47	0. 30
	162.	34. 47	0. 47	0. 30
	163.	34. 35	0. 47	0. 30
	164.	34. 33	0. 47	0. 30
	165.	34. 25	0. 48	0. 30
	166.	34. 18	0. 48	0. 31
	167.	34. 01	0. 48	0. 31
	168.	33. 92	0. 49	0. 31
	169.	33. 76	0. 49	0. 31
	170.	33. 70	0. 49	0. 31
	171.	33. 64	0. 49	0. 32
	172.	33. 59	0. 49	0. 32

TRIAL AS

Table 36. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	33.49	0.50	0.32
174.	33.36	0.50	0.32
175.	33.36	0.50	0.32
176.	33.15	0.51	0.32
177.	33.16	0.51	0.32
178.	32.98	0.51	0.33
179.	32.87	0.51	0.33
180.	32.76	0.52	0.33
181.	32.70	0.52	0.33
182.	32.70	0.52	0.33
183.	32.47	0.53	0.34
184.	32.45	0.53	0.34
185.	32.36	0.53	0.34
186.	32.41	0.53	0.34
187.	32.24	0.53	0.34
188.	32.10	0.54	0.35
189.	32.04	0.54	0.35
190.	31.85	0.54	0.35
191.	31.81	0.54	0.35
192.	31.62	0.55	0.35
193.	31.61	0.55	0.35
194.	31.48	0.55	0.36
195.	31.48	0.55	0.36
196.	31.38	0.56	0.36
197.	31.30	0.56	0.36
198.	31.25	0.56	0.36
199.	31.01	0.57	0.37
200.	31.10	0.56	0.37
201.	30.96	0.57	0.37
202.	30.78	0.57	0.37
203.	30.78	0.57	0.37
204.	30.72	0.57	0.37
205.	30.53	0.57	0.38
206.	30.45	0.58	0.38
207.	30.44	0.58	0.38
208.	30.39	0.58	0.38
209.	30.33	0.58	0.38
210.	30.24	0.59	0.39
211.	30.08	0.59	0.39
212.	30.02	0.59	0.39
213.	29.81	0.60	0.39
214.	29.79	0.60	0.39
215.	29.67	0.60	0.39
216.	29.68	0.60	0.40
217.	29.55	0.60	0.40
218.	29.58	0.61	0.40
219.	29.44	0.60	0.40
220.	29.41	0.61	0.40
221.	29.25	0.61	0.41
222.	29.24	0.61	0.41
223.	29.21	0.61	0.41
224.	29.02	0.61	0.41
225.	28.95	0.62	0.41
226.	28.90	0.62	0.42
227.	28.76	0.62	0.42
228.	28.61	0.63	0.42
229.	28.71	0.63	0.42
230.	28.56	0.63	0.42

Table 36. Weight Loss thru Time (Cont.)

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TN	WN	RW	RT
231.	28.58	0.63	0.43
232.	28.30	0.64	0.43
233.	28.30	0.64	0.43
234.	28.18	0.64	0.43
235.	28.11	0.64	0.43
236.	28.08	0.65	0.44
237.	27.93	0.65	0.44
238.	27.82	0.65	0.44
239.	27.82	0.65	0.44
240.	27.67	0.66	0.44
241.	27.71	0.66	0.44
242.	27.55	0.66	0.45
243.	27.48	0.66	0.45
244.	27.45	0.66	0.45
245.	27.39	0.66	0.45
246.	27.31	0.67	0.45
247.	27.27	0.67	0.46
248.	27.18	0.67	0.46
249.	27.07	0.67	0.46
250.	26.98	0.68	0.46
251.	26.95	0.68	0.46
252.	26.82	0.68	0.46
253.	26.76	0.68	0.47
254.	26.62	0.69	0.47
255.	26.61	0.69	0.47
256.	26.53	0.69	0.47
257.	26.55	0.69	0.47
258.	26.48	0.69	0.48
259.	26.45	0.69	0.48
260.	26.30	0.69	0.48
261.	26.19	0.70	0.48
262.	26.16	0.70	0.48
263.	26.07	0.70	0.49
264.	26.04	0.70	0.49
265.	25.98	0.70	0.49
266.	25.76	0.71	0.49
267.	25.82	0.71	0.49
268.	25.64	0.71	0.49
269.	25.56	0.72	0.50
270.	25.54	0.72	0.50
271.	25.58	0.71	0.50
272.	25.36	0.72	0.50
273.	25.47	0.72	0.50
274.	25.31	0.72	0.51
275.	25.18	0.73	0.51
276.	25.16	0.73	0.51
277.	25.04	0.73	0.51
278.	25.07	0.73	0.51
279.	24.99	0.73	0.51
280.	24.91	0.73	0.52
281.	24.87	0.73	0.52
282.	24.79	0.74	0.52
283.	24.67	0.74	0.52
284.	24.56	0.74	0.52
285.	24.54	0.74	0.53
286.	24.50	0.74	0.53
287.	24.45	0.75	0.53
288.	24.38	0.75	0.53

TRIAL AS

Table 36. Weight Loss thru Time (Cont.)

TN	WIN	RW	RT
289.	24. 39	0. 75	0. 53
290.	24. 34	0. 75	0. 54
291.	24. 16	0. 75	0. 54
292.	24. 07	0. 76	0. 54
293.	23. 99	0. 76	0. 54
294.	23. 91	0. 76	0. 54
295.	23. 88	0. 76	0. 54
296.	23. 90	0. 76	0. 55
297.	23. 71	0. 77	0. 55
298.	23. 64	0. 77	0. 55
299.	23. 59	0. 77	0. 55
300.	23. 56	0. 77	0. 55
301.	23. 59	0. 77	0. 56
302.	23. 37	0. 78	0. 56
303.	23. 42	0. 77	0. 56
304.	23. 42	0. 77	0. 56
305.	23. 36	0. 78	0. 56
306.	23. 13	0. 78	0. 56
307.	23. 25	0. 78	0. 57
308.	23. 11	0. 78	0. 57
309.	23. 05	0. 78	0. 57
310.	22. 99	0. 79	0. 57
311.	22. 88	0. 79	0. 57
312.	23. 01	0. 79	0. 58
313.	22. 74	0. 79	0. 58
314.	22. 74	0. 79	0. 58
315.	22. 67	0. 79	0. 58
316.	22. 56	0. 80	0. 58
317.	22. 53	0. 80	0. 58
318.	22. 45	0. 80	0. 59
319.	22. 48	0. 80	0. 59
320.	22. 42	0. 80	0. 59
321.	22. 28	0. 81	0. 59
322.	22. 26	0. 81	0. 59
323.	22. 23	0. 81	0. 60
324.	22. 11	0. 81	0. 60
325.	22. 13	0. 81	0. 60
326.	22. 25	0. 81	0. 60
327.	21. 68	0. 82	0. 60
328.	21. 65	0. 82	0. 61
329.	21. 90	0. 82	0. 61
330.	21. 73	0. 82	0. 61
331.	21. 71	0. 82	0. 61
332.	21. 68	0. 82	0. 61
333.	21. 67	0. 82	0. 61
334.	21. 67	0. 82	0. 62
335.	21. 47	0. 83	0. 62
336.	21. 53	0. 83	0. 62
337.	21. 39	0. 83	0. 62
338.	21. 45	0. 83	0. 62
339.	21. 37	0. 83	0. 63
340.	21. 30	0. 83	0. 63
341.	21. 27	0. 83	0. 63
342.	21. 22	0. 83	0. 63
343.	21. 16	0. 84	0. 63
344.	21. 08	0. 84	0. 63
345.	21. 07	0. 84	0. 64
346.	20. 94	0. 84	0. 64

Table 36. Weight Loss thru Time (Cont.)

TRIAL AS

TN	WN	RW	RT
347.	20. 85	0. 84	0. 64
348.	20. 87	0. 84	0. 64
349.	20. 85	0. 84	0. 64
350.	20. 84	0. 84	0. 65
351.	20. 78	0. 85	0. 65
352.	20. 77	0. 85	0. 65
353.	20. 71	0. 85	0. 65
354.	20. 61	0. 85	0. 65
355.	20. 56	0. 85	0. 65
356.	20. 88	0. 86	0. 66
357.	20. 54	0. 85	0. 66
358.	20. 36	0. 86	0. 66
359.	20. 20	0. 86	0. 66
360.	20. 27	0. 86	0. 66
361.	20. 25	0. 86	0. 67
362.	20. 31	0. 86	0. 67
363.	20. 07	0. 87	0. 67
364.	20. 07	0. 87	0. 67
365.	19. 91	0. 87	0. 67
366.	20. 00	0. 87	0. 68
367.	19. 97	0. 87	0. 68
368.	19. 87	0. 87	0. 68
369.	19. 79	0. 87	0. 68
370.	19. 87	0. 87	0. 68
371.	19. 84	0. 87	0. 68
372.	19. 73	0. 88	0. 69
373.	19. 68	0. 88	0. 69
374.	19. 62	0. 88	0. 69
375.	19. 57	0. 88	0. 69
376.	19. 68	0. 88	0. 69
377.	19. 57	0. 88	0. 70
378.	19. 47	0. 88	0. 70
379.	19. 40	0. 88	0. 70
380.	19. 48	0. 88	0. 70
381.	19. 39	0. 88	0. 70
382.	19. 37	0. 89	0. 70
383.	19. 37	0. 89	0. 71
384.	19. 22	0. 89	0. 71
385.	19. 25	0. 89	0. 71
386.	19. 20	0. 89	0. 71
387.	19. 10	0. 89	0. 71
388.	19. 94	0. 90	0. 72
389.	19. 05	0. 89	0. 72
390.	19. 97	0. 90	0. 72
391.	19. 93	0. 90	0. 72
392.	19. 90	0. 90	0. 72
393.	19. 94	0. 90	0. 72
394.	19. 86	0. 90	0. 73
395.	19. 77	0. 90	0. 73
396.	19. 73	0. 90	0. 73
397.	19. 70	0. 90	0. 73
398.	19. 64	0. 91	0. 73
399.	19. 56	0. 91	0. 74
400.	19. 73	0. 90	0. 74
401.	19. 48	0. 91	0. 74
402.	19. 60	0. 91	0. 74
403.	19. 47	0. 91	0. 74
404.	19. 47	0. 91	0. 75

TRIAL AS

Table 36. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
405.	18.47	0.91	0.75
406.	18.44	0.91	0.75
407.	18.36	0.91	0.75
408.	18.39	0.91	0.75
409.	18.33	0.91	0.75
410.	18.25	0.92	0.76
411.	18.24	0.92	0.76
412.	18.19	0.92	0.76
413.	18.16	0.92	0.76
414.	18.22	0.92	0.76
415.	18.13	0.92	0.77
416.	17.97	0.92	0.77
417.	18.20	0.92	0.77
418.	18.05	0.92	0.77
419.	18.00	0.92	0.77
420.	17.93	0.92	0.77
421.	17.90	0.93	0.78
422.	17.93	0.92	0.78
423.	17.91	0.93	0.78
424.	17.88	0.93	0.78
425.	17.68	0.93	0.78
426.	17.77	0.93	0.79
427.	17.76	0.93	0.79
428.	17.70	0.93	0.79
429.	17.73	0.93	0.79
430.	17.70	0.93	0.79
431.	17.51	0.94	0.80
432.	17.56	0.94	0.80
433.	17.62	0.93	0.80
434.	17.56	0.94	0.80
435.	17.53	0.94	0.80
436.	17.42	0.94	0.80
437.	17.50	0.94	0.81
438.	17.51	0.94	0.81
439.	17.39	0.94	0.81
440.	17.42	0.94	0.81
441.	17.35	0.94	0.81
442.	17.27	0.94	0.82
443.	17.24	0.94	0.82
444.	17.27	0.94	0.82
445.	17.25	0.94	0.82
446.	17.30	0.94	0.82
447.	17.34	0.94	0.82
448.	17.10	0.95	0.83
449.	17.10	0.95	0.83
450.	17.10	0.95	0.83
451.	17.16	0.95	0.83
452.	16.97	0.95	0.83
453.	17.08	0.95	0.84
454.	16.97	0.95	0.84
455.	16.99	0.95	0.84
456.	16.90	0.95	0.84
457.	16.96	0.95	0.84
458.	16.93	0.95	0.85
459.	16.90	0.95	0.85
460.	16.93	0.95	0.85
461.	16.90	0.95	0.85
462.	16.79	0.96	0.85

Table 36. Weight Loss thru Time (Cont.)

TRIAL AS

TN	WN	RW	RT
463.	16. 73	0. 96	0. 85
464.	16. 67	0. 96	0. 86
465.	16. 62	0. 96	0. 86
466.	16. 71	0. 96	0. 86
467.	16. 68	0. 96	0. 86
468.	16. 68	0. 96	0. 86
469.	16. 59	0. 96	0. 87
470.	16. 59	0. 96	0. 87
471.	16. 53	0. 96	0. 87
472.	16. 53	0. 96	0. 87
473.	16. 59	0. 96	0. 87
474.	16. 47	0. 97	0. 87
475.	16. 50	0. 96	0. 88
476.	16. 47	0. 97	0. 88
477.	16. 40	0. 97	0. 88
478.	16. 43	0. 97	0. 88
479.	16. 40	0. 97	0. 88
480.	16. 37	0. 97	0. 89
481.	16. 37	0. 97	0. 89
482.	16. 36	0. 97	0. 89
483.	16. 29	0. 97	0. 89
484.	16. 30	0. 97	0. 89
485.	16. 31	0. 97	0. 89
486.	16. 28	0. 97	0. 90
487.	16. 14	0. 97	0. 90
488.	16. 13	0. 97	0. 90
489.	16. 11	0. 97	0. 90
490.	16. 07	0. 98	0. 90
491.	16. 08	0. 98	0. 91
492.	15. 07	0. 98	0. 91
493.	16. 11	0. 97	0. 91
494.	16. 05	0. 98	0. 91
495.	15. 96	0. 98	0. 91
496.	16. 00	0. 98	0. 92
497.	15. 88	0. 98	0. 92
498.	15. 99	0. 98	0. 92
499.	15. 94	0. 98	0. 92
500.	15. 94	0. 98	0. 92
501.	15. 94	0. 98	0. 92
502.	15. 93	0. 98	0. 93
503.	15. 87	0. 98	0. 93
504.	15. 97	0. 98	0. 93
505.	15. 79	0. 98	0. 93
506.	15. 88	0. 98	0. 93
507.	15. 77	0. 98	0. 94
508.	15. 77	0. 98	0. 94
509.	15. 77	0. 98	0. 94
510.	15. 68	0. 99	0. 94
511.	15. 74	0. 99	0. 94
512.	15. 70	0. 99	0. 94
513.	15. 67	0. 99	0. 95
514.	15. 71	0. 99	0. 95
515.	15. 62	0. 99	0. 95
516.	15. 56	0. 99	0. 95
517.	15. 63	0. 99	0. 95
518.	15. 54	0. 99	0. 96
519.	15. 62	0. 99	0. 96
520.	15. 45	0. 99	0. 96

TRIAL A8

Table 36. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
521.	15. 56	0. 99	0. 96
522.	15. 50	0. 99	0. 96
523.	15. 47	0. 99	0. 96
524.	15. 48	0. 99	0. 97
525.	15. 48	0. 99	0. 97
526.	15. 45	0. 99	0. 97
527.	15. 45	0. 99	0. 97
528.	15. 45	0. 99	0. 97
529.	15. 45	0. 99	0. 98
530.	15. 42	0. 99	0. 98
531.	15. 42	0. 99	0. 98
532.	15. 42	0. 99	0. 98
533.	15. 64	1. 00	0. 98
534.	15. 64	1. 00	0. 99
535.	15. 43	0. 99	0. 99
536.	15. 60	1. 00	0. 99
537.	15. 22	1. 00	0. 99
538.	15. 20	1. 00	0. 99
539.	15. 28	1. 00	0. 99
540.	15. 22	1. 00	1. 00
541.	15. 23	1. 00	1. 00
542.	15. 20	1. 00	1. 00

Table 37. Dosage Measurements

TRIAL 36 (DP1-001), 24 JAN 73, 11:36:00, W# 543KE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	33.96
2	.00	1.00	.00	62.87
3	.00	2.00	.00	899.48
4	.00	3.00	.00	1151.89
5	.00	4.00	.00	670.02
6	.00	5.00	.00	120.85
7	.00	6.00	.00	44.97
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE= 2984.04 (MG. MIN/M\*\*2)

Table 38. Concentration thru Time

TRIAL E6 (DP1-001), 24 JAN 78, 11:36:00, WF CRKE

TIME SECS	CL MC/M**2	CONCENTRATIONS NG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.1	9	7	0	0	1	0	0	0	0	0	0	0
1.1	5	3	0	0	1	0	0	0	0	0	0	0
2.2	5	3	0	0	1	0	1	0	0	0	0	0
3.2	6	3	0	0	1	0	1	0	0	0	0	0
4.3	8	0	0	0	2	5	0	0	0	0	0	0
5.4	8	0	0	0	2	6	0	0	0	0	0	0
6.4	35	2	0	0	1	7	24	0	0	0	0	0
7.5	230	2	0	0	2	4	220	0	0	0	0	0
8.6	109	0	0	0	2	0	103	3	0	0	0	0
9.6	16	0	0	0	2	0	10	3	0	0	0	0
10.7	12	1	0	0	1	5	3	0	0	0	0	0
11.7	10	1	0	0	2	6	0	0	0	0	0	0
12.8	53	3	0	0	2	47	0	0	0	0	0	0
13.9	121	0	0	0	2	8	110	0	0	0	0	0
14.9	41	0	0	0	2	0	19	19	0	0	0	0
16.0	164	0	1	0	2	0	160	0	0	0	0	0
17.1	217	1	0	0	2	0	212	0	0	0	0	0
18.1	98	3	0	0	2	0	92	0	0	0	0	0
19.2	239	11	0	0	2	0	225	0	0	0	0	0
20.2	105	3	1	0	2	0	98	0	0	0	0	0
21.3	420	4	0	0	2	0	412	0	0	0	0	0
22.4	90	4	1	0	2	11	70	0	0	0	0	0
23.4	22	0	1	0	2	13	3	0	0	0	0	0
24.5	77	0	0	0	2	38	35	0	0	0	0	0
25.6	98	3	0	0	2	10	81	0	0	0	0	0
26.6	48	3	0	0	2	28	12	0	0	0	0	0
27.7	88	3	0	0	2	46	35	0	0	0	0	0
28.7	99	5	0	0	3	2	87	0	0	0	0	0
29.8	35	2	0	0	3	26	2	0	0	0	0	0
30.9	19	6	0	0	2	4	5	0	0	0	0	0
31.9	55	8	0	0	2	7	35	0	0	0	0	0
33.0	61	8	0	0	3	24	24	0	0	0	0	0
34.1	12	6	0	0	3	2	0	0	0	0	0	0
35.1	11	4	0	0	2	2	2	0	0	0	0	0
36.2	6	2	0	0	3	0	0	0	0	0	0	0
37.2	8	0	0	0	3	5	0	0	0	0	0	0
38.3	56	0	0	0	3	1	50	0	0	0	0	0
39.4	22	1	0	0	2	0	17	0	0	0	0	0
40.4	6	2	0	0	3	0	0	0	0	0	0	0
41.5	3	0	0	0	3	0	0	0	0	0	0	0
42.6	3	0	0	0	3	0	0	0	0	0	0	0
43.6	3	0	0	0	3	0	0	0	0	0	0	0
44.7	3	0	0	0	3	0	0	0	0	0	0	0
45.7	4	0	0	0	4	0	0	0	0	0	0	0
46.8	5	0	0	0	3	1	0	0	0	0	0	0

Table 38. Concentration thru Time (Cont.)

CAL EE (DP1-001), 21 JAN 79, 11:36:00, WF SPIKE

TIME ECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
47.9	15	1	0	0	3	9	0	0	0	0	0	0
49.9	8	0	0	0	3	4	0	0	0	0	0	0
50.0	4	0	0	0	4	0	0	0	0	0	0	0
51.1	7	0	0	0	3	3	0	0	0	0	0	0
52.1	13	0	0	0	3	3	0	0	0	0	0	0
53.2	4	0	0	0	4	4	0	0	0	0	0	0
54.2	4	0	0	0	4	4	0	0	0	0	0	0
55.3	8	0	0	0	4	4	0	0	0	0	0	0
56.4	13	2	1	0	4	4	4	0	0	0	0	0
57.4	8	4	0	0	4	4	0	0	0	0	0	0
58.5	13	4	0	0	4	4	68	0	0	0	0	0
59.6	72	0	0	0	4	4	15	0	0	0	0	0
60.6	19	7	2	0	4	4	1	0	0	0	0	0
61.7	15	0	0	0	4	4	0	6	0	0	0	0
62.7	5	0	0	0	4	4	5	5	0	0	0	0
63.8	11	0	0	0	4	4	66	0	0	0	0	0
64.9	9	0	0	0	4	4	38	0	0	0	0	0
65.9	71	0	0	0	4	4	11	0	0	0	0	0
67.7	43	0	0	0	4	4	10	0	0	0	0	0
68.1	15	0	0	0	4	4	19	0	0	0	0	0
69.1	14	0	0	0	4	4	83	42	0	0	0	0
70.2	23	0	0	0	4	4	319	0	0	0	0	0
71.2	131	0	0	0	4	4	167	0	0	0	0	0
72.3	325	0	0	0	4	4	22	0	0	0	0	0
73.4	172	3	0	0	4	4	336	0	0	0	0	0
74.4	30	5	0	0	4	4	377	0	0	0	0	0
75.5	346	5	0	0	4	4	68	0	0	0	0	0
76.6	389	6	0	0	4	4	6	9	0	0	0	0
77.6	79	8	0	0	4	4	10	106	0	0	0	0
78.7	28	4	0	0	4	4	21	0	0	0	0	0
79.7	125	4	0	0	4	4	12	0	0	0	0	0
80.8	26	0	1	0	4	4	117	0	0	0	0	0
81.9	18	4	0	0	4	4	426	0	0	0	0	0
82.9	126	5	0	0	4	4	142	0	0	0	0	0
84.0	437	4	0	0	4	4	48	0	0	0	0	0
85.1	151	4	1	0	4	4	16	117	0	0	0	0
86.1	59	4	1	0	4	4	8	12	0	0	0	0
87.2	143	3	1	0	4	4	7	0	0	0	0	0
88.2	26	1	3	0	4	4	10	0	0	0	0	0
89.3	15	3	3	0	4	4	9	0	0	0	0	0
90.4	19	5	5	0	4	4	2	0	0	0	0	0
91.4	19	4	0	0	4	4	0	0	0	0	0	0
92.5	11	0	0	0	4	4	0	0	0	0	0	0
93.6	5	0	0	0	4	4	1	0	0	0	0	0
94.6	7	0	0	0	4	4	0	0	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL 26 (DF1-001), 24 JAN 71, 11:36:00, WF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.7	15	0	0	0	4	10	0	0	0	0	0	0
96.7	4	0	0	0	4	0	0	0	0	0	0	0
97.8	5	0	0	0	4	0	0	0	0	0	0	0
98.9	22	0	0	0	4	0	0	0	0	0	0	0
99.9	58	0	0	0	4	0	16	0	0	0	0	0
101.0	30	0	0	0	4	25	52	0	0	0	0	0
102.1	28	0	0	0	4	23	0	0	0	0	0	0
103.1	27	0	0	0	4	22	0	0	0	0	0	0
104.2	15	0	0	0	4	11	0	0	0	0	0	0
105.2	13	0	0	0	3	14	0	0	0	0	0	0
106.3	25	1	0	0	4	20	0	0	0	0	0	0
107.4	32	0	0	0	4	27	0	0	0	0	0	0
108.4	18	0	0	0	4	14	0	0	0	0	0	0
109.5	10	2	0	0	3	3	0	0	0	0	0	0
110.6	7	2	1	0	4	0	0	0	0	0	0	0
111.6	9	4	0	0	4	0	0	0	0	0	0	0
112.7	12	6	0	0	4	2	0	0	0	0	0	0
113.7	9	5	0	0	3	0	0	0	0	0	0	0
114.8	10	4	1	0	4	0	0	0	0	0	0	0
115.9	12	4	1	0	4	2	0	0	0	0	0	0
116.9	6	1	0	0	3	1	0	0	0	0	0	0
118.0	3	0	0	0	3	0	0	0	0	0	0	0
119.1	4	0	0	0	4	0	0	0	0	0	0	0
120.1	4	0	0	0	4	0	0	0	0	0	0	0
121.2	5	0	0	0	3	1	0	0	0	0	0	0
122.2	5	1	0	0	3	0	0	0	0	0	0	0
123.7	6	1	0	0	4	0	0	0	0	0	0	0
124.4	10	5	0	0	4	0	0	0	0	0	0	0
125.4	3	0	0	0	3	0	0	0	0	0	0	0
126.5	6	2	0	0	3	0	0	0	0	0	0	0
127.6	42	9	0	29	3	0	0	0	0	0	0	0
128.6	25	7	0	17	3	0	0	0	0	0	0	0
129.7	17	8	0	5	3	0	0	0	0	0	0	0
130.7	15	10	1	0	3	0	0	0	0	0	0	0
131.8	24	7	10	0	3	1	0	0	0	0	0	0
132.9	45	5	15	1	3	19	0	0	0	0	0	0
133.9	8	4	0	0	3	0	0	0	0	0	0	0
135.0	8	5	0	0	3	0	0	0	0	0	0	0
136.1	11	5	0	0	3	1	0	0	0	0	0	0
137.1	18	4	0	0	3	9	0	0	0	0	0	0
138.2	6	3	0	0	2	0	0	0	0	0	0	0
139.2	6	3	0	0	2	0	0	0	0	0	0	0
140.3	8	3	0	0	3	0	0	0	0	0	0	0
141.4	9	4	0	0	3	0	0	0	0	0	0	0
142.4	7	0	0	0	3	0	0	0	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL EG (DP1-GD1), 21 JAN 71, 11:36:00, WF SPCKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
143.5	11	0	0	0	3	8	0	0	0	0	0	0
144.6	7	0	1	1	3	0	0	0	0	0	0	0
145.6	5	1	0	0	3	0	0	0	0	0	0	0
146.7	2	0	0	0	2	0	0	0	0	0	0	0
147.7	3	0	0	0	3	0	0	0	0	0	0	0
148.8	3	0	0	0	3	0	0	0	0	0	0	0
149.9	21	0	11	1	3	5	0	0	0	0	0	0
150.9	12	2	2	1	2	3	0	0	0	0	0	0
152.0	25	3	0	0	2	1	17	0	0	0	0	0
153.1	32	3	0	0	3	10	14	0	0	0	0	0
154.1	29	7	0	0	3	6	11	0	0	0	0	0
155.2	34	7	0	0	2	4	0	0	0	0	0	0
156.2	11	4	0	0	2	3	1	0	0	0	0	0
157.3	73	0	0	0	3	24	50	0	0	0	0	0
158.4	35	4	0	0	3	10	16	0	0	0	0	0
159.4	10	7	0	0	2	0	0	0	0	0	0	0
160.5	16	11	0	1	3	0	0	0	0	0	0	0
161.6	12	5	1	0	3	1	0	0	0	0	0	0
162.6	7	0	0	0	3	3	0	0	0	0	0	0
163.7	21	0	0	0	3	18	0	0	0	0	0	0
164.7	11	4	0	0	2	3	0	0	0	0	0	0
165.8	11	8	0	0	2	0	0	0	0	0	0	0
166.9	16	11	0	0	3	1	0	0	0	0	0	0
167.9	11	7	0	0	2	0	0	0	0	0	0	0
169.0	83	3	0	0	2	0	75	0	0	0	0	0
170.1	31	4	0	0	3	1	21	0	0	0	0	0
171.1	26	1	0	0	3	0	21	0	0	0	0	0
172.2	4	0	0	0	2	1	0	0	0	0	0	0
173.2	4	0	0	0	2	0	0	0	0	0	0	0
174.3	33	0	0	0	3	5	23	0	0	0	0	0
175.4	19	0	0	0	3	3	13	0	0	0	0	0
176.4	17	0	0	0	2	0	15	0	0	0	0	0
177.5	41	3	0	0	2	0	35	0	0	0	0	0
178.6	103	6	0	0	3	1	91	0	0	0	0	0
179.6	164	6	0	0	3	0	153	0	0	0	0	0
180.7	54	8	0	0	2	1	42	0	0	0	0	0
181.7	135	9	0	0	2	10	113	0	0	0	0	0
182.8	192	9	0	0	2	1	178	0	0	0	0	0
183.9	17	6	0	0	2	4	3	0	0	0	0	0
184.9	148	5	0	0	2	5	134	0	0	0	0	0
186.0	14	4	0	0	2	3	3	0	0	0	0	0
187.1	13	3	0	0	2	6	0	0	0	0	0	0
188.1	6	2	0	0	2	1	0	0	0	0	0	0
189.2	15	4	0	0	2	8	0	0	0	0	0	0
190.2	22	2	0	0	2	13	4	0	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL E6 (DF1-001), 21 JAN 71, 11:36:00, WF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
191.3	15	0	0	0	2	12	0	0	0	0	0	0
192.4	14	0	0	0	2	11	0	0	0	0	0	0
193.4	8	3	0	0	2	1	0	0	0	0	0	0
194.5	125	2	0	0	2	4	115	0	0	0	0	0
195.6	25	1	0	0	2	14	7	0	0	0	0	0
196.6	26	5	0	0	2	18	0	0	0	0	0	0
197.7	18	6	0	0	1	9	0	0	0	0	0	0
198.7	10	8	0	0	1	0	0	0	0	0	0	0
199.8	6	4	0	0	2	0	0	0	0	0	0	0
200.9	12	5	0	0	2	5	0	0	0	0	0	0
201.9	187	1	0	0	1	0	184	0	0	0	0	0
203.0	72	0	0	0	1	5	55	0	0	0	0	0
204.1	3	0	0	0	2	1	0	0	0	0	0	0
205.1	3	0	0	0	2	0	0	0	0	0	0	0
206.2	2	0	0	0	1	0	0	0	0	0	0	0
207.2	7	5	0	0	1	0	0	0	0	0	0	0
208.3	9	3	0	0	1	3	0	0	0	0	0	0
209.4	9	4	0	0	1	2	0	0	0	0	0	0
210.4	4	3	0	0	1	0	0	0	0	0	0	0
211.5	3	1	0	0	1	0	0	0	0	0	0	0
212.6	7	1	0	2	1	1	0	0	0	0	0	0
213.6	5	0	0	0	1	2	0	0	0	0	0	0
214.7	4	0	0	0	1	3	0	0	0	0	0	0
215.7	1	0	0	0	1	0	0	0	0	0	0	0
216.8	6	0	0	0	1	5	0	0	0	0	0	0
217.9	7	0	0	0	1	4	0	0	0	0	0	0
218.9	212	3	0	0	1	2	204	0	0	0	0	0
220.0	29	4	0	0	1	0	22	0	0	0	0	0
221.0	150	3	0	0	1	0	6	139	0	0	0	0
222.1	39	4	0	0	1	0	9	24	0	0	0	0
223.2	4	3	0	0	0	0	0	0	0	0	0	0
224.2	2	1	0	0	0	0	0	0	0	0	0	0
225.3	101	2	0	0	1	0	0	97	0	0	0	0
226.4	296	3	0	0	0	0	0	291	0	0	0	0
227.4	33	4	0	0	0	0	0	28	0	0	0	0
229.5	22	3	0	0	0	0	0	18	0	0	0	0
229.5	23	4	0	0	0	0	0	18	0	0	0	0
230.6	102	3	0	0	0	0	0	98	0	0	0	0
231.7	197	4	0	0	0	0	0	193	0	0	0	0
232.7	129	1	0	0	0	0	4	122	0	0	0	0
233.8	21	0	0	0	0	0	6	15	0	0	0	0
234.9	85	0	0	0	0	0	0	85	0	0	0	0
235.9	155	0	0	0	0	0	0	155	0	0	0	0
237.0	63	0	1	0	0	0	0	62	0	0	0	0
238.0	37	0	0	0	0	0	0	36	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL 88 (DP1-001), 21 JAN 71, 11:36:00, WP SP/VE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
239.1	36	1	0	0	0	0	0	34	0	0	0
240.2	19	1	0	0	0	0	0	17	0	0	0
241.2	109	3	1	0	0	0	3	101	0	0	0
242.3	204	3	0	0	0	0	95	105	0	0	0
243.4	87	2	0	0	0	0	33	52	0	0	0
244.4	2	0	0	0	0	0	0	1	0	0	0
245.5	4	1	2	0	0	0	0	0	0	0	0
246.5	6	3	1	0	0	0	1	0	0	0	0
247.6	2	0	0	0	0	0	2	0	0	0	0
248.7	27	0	0	0	0	0	16	10	0	0	0
249.7	0	2	0	0	0	0	0	1	0	0	0
250.8	33	2	0	0	0	0	6	24	0	0	0
251.9	4	0	0	0	0	0	2	1	0	0	0
252.9	3	0	0	0	0	0	2	0	0	0	0
254.0	7	6	0	0	0	0	0	0	0	0	0
255.0	9	9	0	0	0	0	0	0	0	0	0
256.1	14	10	0	0	0	0	3	0	0	0	0
257.2	12	12	0	0	0	0	0	0	0	0	0
258.2	22	13	0	0	0	0	0	9	0	0	0
259.3	32	9	0	0	0	0	17	4	0	0	0
260.4	108	7	0	0	0	0	1	95	0	0	0
261.4	93	10	0	0	0	0	0	72	0	0	0
262.5	17	9	0	0	0	0	0	8	0	0	0
263.5	27	7	0	0	0	0	0	19	0	0	0
264.6	35	6	0	0	0	0	0	28	0	0	0
265.7	65	6	0	0	0	0	0	9	49	0	0
266.7	56	5	0	0	0	0	0	0	52	0	0
267.8	108	3	0	0	0	0	0	0	104	0	0
268.9	12	6	0	0	0	0	0	0	6	0	0
269.9	133	12	0	0	0	0	0	0	120	0	0
271.0	164	7	0	0	0	0	0	0	156	0	0
272.0	104	1	0	0	0	0	0	0	103	0	0
273.1	42	0	0	0	0	0	0	0	42	0	0
274.2	30	0	1	0	0	0	0	3	26	0	0
275.2	17	7	0	0	0	0	0	10	0	0	0
276.3	23	6	0	0	0	0	0	16	0	0	0
277.4	16	0	0	0	0	0	1	14	0	0	0
278.4	34	0	1	0	0	0	4	29	0	0	0
279.5	26	0	0	0	0	0	1	25	0	0	0
280.5	2	0	0	0	0	0	2	0	0	0	0
281.6	5	0	0	0	0	0	5	0	0	0	0
282.7	1	0	1	0	0	0	0	0	0	0	0
283.7	0	0	0	0	0	0	0	0	0	0	0
284.8	0	0	0	0	0	0	0	0	0	0	0
285.9	11	9	0	0	0	0	1	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL EG (DF1-C01), 2 JAN 71, 11:35:00, WF SMPLE

TIME SECS	CL PC/M**2	CONCENTRATIONS NG/M**3												
		10	9	8	7	6	5	4	3	2	1			
286.9	17	14	0	0	0	2	0	0	0	0	0	0	0	0
288.0	21	14	0	0	0	1	5	0	0	0	0	0	0	0
289.0	45	12	0	0	0	2	20	0	0	0	0	0	0	0
290.1	61	13	0	0	0	1	46	0	0	0	0	0	0	0
291.2	15	11	0	0	0	1	3	0	0	0	0	0	0	0
292.2	9	8	0	0	0	0	0	0	0	0	0	0	0	0
293.3	15	14	0	1	0	0	0	0	0	0	0	0	0	0
294.4	11	10	0	1	0	0	0	0	0	0	0	0	0	0
295.4	12	6	0	6	0	0	0	0	0	0	0	0	0	0
296.5	6	4	0	1	0	0	0	0	0	0	0	0	0	0
297.5	6	6	0	0	0	0	0	0	0	0	0	0	0	0
298.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
299.7	7	6	0	0	0	0	0	0	0	0	0	0	0	0
300.7	7	6	0	0	0	0	0	0	0	0	0	0	0	0
301.8	9	4	0	5	0	0	0	0	0	0	0	0	0	0
302.9	9	2	0	6	0	0	0	0	0	0	0	0	0	0
303.9	4	0	0	4	0	0	0	0	0	0	0	0	0	0
305.0	2	0	0	2	0	0	0	0	0	0	0	0	0	0
306.0	12	0	0	12	0	0	0	0	0	0	0	0	0	0
307.1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
308.2	1	0	0	1	0	0	0	0	0	0	0	0	0	0
309.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310.3	2	0	1	0	0	0	0	0	0	0	0	0	0	0
311.4	2	0	0	1	0	0	0	0	0	0	0	0	0	0
312.4	6	0	5	1	0	0	0	0	0	0	0	0	0	0
313.5	2	0	0	1	0	0	0	0	0	0	0	0	0	0
314.5	24	0	3	21	0	0	0	0	0	0	0	0	0	0
315.6	34	0	13	1	0	0	0	0	0	0	0	0	0	0
316.7	35	0	33	2	0	0	0	0	0	0	0	0	0	0
317.7	73	0	62	11	0	0	0	0	0	0	0	0	0	0
318.0	335	0	322	12	0	0	0	0	0	0	0	0	0	0
319.9	223	0	204	18	0	0	0	0	0	0	0	0	0	0
321.9	254	0	232	21	0	0	0	0	0	0	0	0	0	0
322.0	367	0	363	3	0	0	0	0	0	0	0	0	0	0
323.0	17	0	17	0	0	0	0	0	0	0	0	0	0	0
324.1	49	0	34	15	0	0	0	0	0	0	0	0	0	0
325.2	575	0	573	1	0	0	0	0	0	0	0	0	0	0
326.2	92	0	92	0	0	0	0	0	0	0	0	0	0	0
327.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
328.4	20	0	0	20	0	0	0	0	0	0	0	0	0	0
329.4	1	0	0	1	0	0	0	0	0	0	0	0	0	0
330.5	10	0	5	5	0	0	0	0	0	0	0	0	0	0
331.5	21	0	1	19	0	0	0	0	0	0	0	0	0	0
332.6	19	0	10	9	0	0	0	0	0	0	0	0	0	0
333.7	197	0	195	2	0	0	0	0	0	0	0	0	0	0

Table 38. Concentration thru Time (Cont.)

TRIAL EE (DP1-001), 24 JAN 76, 11:36:00, WF SMCPE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
334.7	49	0	46	3	0	C	C	C	0	C	0
335.8	11	3	8	0	0	0	0	0	0	0	0
336.9	3	3	0	0	0	C	0	0	0	0	0
337.9	115	1	136	7	0	0	0	0	0	0	0
339.0	35	6	26	3	0	C	C	0	0	0	C
340.0	51	8	22	19	0	0	0	0	0	0	0
341.1	40	5	17	17	0	C	C	C	C	C	0
342.2	9	7	0	1	0	0	0	0	0	0	0
343.2	22	6	14	1	0	C	0	C	0	0	C
344.3	14	0	14	0	0	0	0	0	0	0	0
345.4	10	5	0	4	0	C	0	C	0	0	0
346.4	7	5	0	2	0	0	0	0	0	0	0
347.5	15	2	0	12	0	C	C	0	0	0	C
348.5	11	7	0	4	0	0	0	0	0	0	0
349.6	79	7	71	1	0	C	C	0	0	C	0
350.7	18	5	11	0	0	0	0	0	0	0	0
351.7	24	7	16	0	0	C	C	0	0	0	0
352.8	182	2	179	1	0	0	0	0	0	0	0
353.9	92	3	88	0	0	C	C	C	0	0	0
354.9	47	2	44	1	0	0	0	0	0	0	0
356.0	70	1	51	18	0	C	C	0	0	0	0
357.0	161	7	150	4	0	0	0	0	C	0	0
358.1	24	1	22	0	0	C	0	0	0	0	0
359.2	2	0	2	0	0	0	0	0	0	0	0
360.2	12	0	11	0	0	C	C	C	0	C	0
361.3	53	5	35	13	0	0	0	0	0	0	0
362.4	83	1	74	7	0	C	0	0	0	0	C
363.4	11	3	6	1	0	0	0	0	0	C	0
364.5	5	0	0	4	0	C	C	C	C	0	0
365.5	4	4	0	0	0	0	0	0	0	0	0
366.6	25	1	23	0	0	0	0	0	0	0	0
367.7	79	0	76	2	0	0	0	0	0	0	0
368.7	42	4	38	0	0	C	C	C	C	0	C
369.8	52	3	47	0	0	0	0	0	0	0	0
370.9	84	0	75	8	0	C	C	0	0	0	0
371.9	21	1	2	17	0	0	0	0	0	0	0
373.0	16	0	0	15	C	C	C	0	0	0	0
374.0	22	1	8	12	0	0	0	0	0	0	0
375.1	102	0	100	2	0	C	C	C	0	0	C
376.2	25	0	19	5	0	0	0	0	0	0	0
377.2	2	0	2	0	0	C	C	0	0	0	0
379.3	3	2	0	0	0	0	0	0	0	0	0
379.4	30	5	22	2	0	C	C	C	0	C	0
380.4	17	10	5	2	0	0	0	0	C	0	0
381.5	19	14	2	1	C	C	0	C	0	0	C

Table 38. Concentration thru Time (Cont.)

TRIAL 55 (CP1-001), 21 JAN 71, 11:36 P.M., WF SMC&E

TIME SECS	CL PC/M**2	CONCENTRATIONS NG/M**3												
		10	9	8	7	6	5	4	3	2	1			
392.5	24	14	10	0	0	0	0	0	0	0	0	0	0	0
393.6	12	12	0	0	0	0	0	0	0	0	0	0	0	0
394.7	9	9	0	0	0	0	0	0	0	0	0	0	0	0
395.7	10	10	0	0	0	0	0	0	0	0	0	0	0	0
396.9	8	7	0	0	0	0	0	0	0	0	0	0	0	0
397.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
398.9	2	0	0	0	0	0	0	0	0	0	0	0	0	0
399.0	8	0	3	5	0	0	0	0	0	0	0	0	0	0
399.0	7	5	0	1	0	0	0	0	0	0	0	0	0	0
399.1	18	16	0	1	0	0	0	0	0	0	0	0	0	0
399.2	13	13	0	0	0	0	0	0	0	0	0	0	0	0
399.2	12	9	2	1	0	0	0	0	0	0	0	0	0	0
399.3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
399.4	11	10	1	0	0	0	0	0	0	0	0	0	0	0
399.4	9	9	0	0	0	0	0	0	0	0	0	0	0	0
399.5	10	10	0	0	0	0	0	0	0	0	0	0	0	0
399.5	12	11	1	0	0	0	0	0	0	0	0	0	0	0
400.6	10	7	2	0	0	0	0	0	0	0	0	0	0	0
401.7	7	7	0	0	0	0	0	0	0	0	0	0	0	0
402.7	6	5	0	0	0	0	0	0	0	0	0	0	0	0
403.8	12	12	0	0	0	0	0	0	0	0	0	0	0	0
404.9	14	14	0	0	0	0	0	0	0	0	0	0	0	0
405.9	12	12	0	0	0	0	0	0	0	0	0	0	0	0
407.0	13	12	0	0	0	0	0	0	0	0	0	0	0	0
408.0	10	9	0	0	0	0	0	0	0	0	0	0	0	0
409.1	15	6	0	0	0	0	0	0	1	0	0	0	0	0
410.2	8	6	0	0	0	0	0	0	7	1	0	0	0	0
411.2	17	6	0	0	0	0	0	0	2	0	0	0	0	0
412.3	21	7	0	0	0	0	0	0	10	0	0	0	0	0
413.4	29	10	0	0	0	0	0	0	13	0	0	0	0	0
414.4	23	9	0	0	0	0	0	0	18	0	0	0	0	0
415.5	6	5	0	0	0	0	0	0	13	0	0	0	0	0
416.5	6	5	0	0	0	0	0	0	1	0	0	0	0	0
417.6	19	4	0	0	0	0	0	0	1	0	0	0	0	0
418.7	18	9	0	0	0	0	0	0	15	0	0	0	0	0
419.7	12	12	0	0	0	0	0	0	8	0	0	0	0	0
420.8	17	16	0	0	0	0	0	0	0	0	0	0	0	0
421.9	19	18	0	0	0	0	0	0	1	0	0	0	0	0
422.9	32	16	0	0	0	0	0	0	1	0	0	0	0	0
424.0	15	12	0	0	0	0	0	0	16	0	0	0	0	0
425.0	33	12	0	0	0	0	0	0	3	0	0	0	0	0
426.1	26	11	0	0	0	0	0	0	21	0	0	0	0	0
427.2	10	10	0	0	0	0	0	0	15	0	0	0	0	0
428.2	7	7	0	0	0	0	0	0	0	0	0	0	0	0
429.3	5	4	1	0	0	0	0	0	0	0	0	0	0	0

Table 38. Concentration thru Time (Conc.)

TRIAL 16 (DP1-001), 24 JAN 71, 11:36:00, WF SPCE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
430.4	3	2	0	0	0	0	0	0	0	0	0	0
431.4	7	6	0	0	0	1	0	0	0	0	0	0
432.5	5	3	1	0	0	0	0	0	0	0	0	0
433.5	2	0	1	0	0	0	0	0	0	0	0	0
434.6	3	3	0	0	0	0	0	0	0	0	0	0
435.7	2	2	0	0	0	0	0	0	0	0	0	0
436.7	3	3	0	0	0	0	0	0	0	0	0	0
437.8	16	8	0	0	0	0	7	0	0	0	0	0
438.9	17	7	0	0	0	0	10	0	0	0	0	0
439.9	10	8	0	0	0	0	1	0	0	0	0	0
441.0	12	8	0	0	0	0	3	0	0	0	0	0
442.0	16	11	0	0	0	0	5	0	0	0	0	0
443.1	20	9	0	0	0	0	10	0	0	0	0	0
444.2	9	9	0	0	0	0	0	0	0	0	0	0
445.2	6	6	0	0	0	0	0	0	0	0	0	0
446.3	5	5	0	0	0	0	0	0	0	0	0	0
447.4	0	0	0	0	0	0	0	0	0	0	0	0
448.4	0	0	0	0	0	0	0	0	0	0	0	0
449.5	6	6	0	0	0	0	0	0	0	0	0	0
450.5	12	12	0	0	0	0	0	0	0	0	0	0
451.6	8	8	0	0	0	0	0	0	0	0	0	0
452.7	1	1	0	0	0	0	0	0	0	0	0	0
453.7	2	0	1	0	0	0	1	0	0	0	0	0
454.9	0	0	0	0	0	0	0	0	0	0	0	0
455.9	1	1	0	0	0	0	0	0	0	0	0	0
456.9	0	0	0	0	0	0	0	0	0	0	0	0
458.0	2	0	2	0	0	0	0	0	0	0	0	0
459.0	9	7	0	0	0	0	0	0	0	0	0	0
460.1	18	18	0	0	0	0	0	0	0	0	0	0
461.2	15	15	0	0	0	0	0	0	0	0	0	0
462.2	17	14	0	0	0	0	2	0	0	0	0	0
463.3	23	8	0	0	0	0	14	0	0	0	0	0
464.4	8	0	0	0	0	0	8	0	0	0	0	0
465.4	6	5	0	0	0	0	1	0	0	0	0	0
466.5	5	1	0	0	0	0	3	0	0	0	0	0
467.5	2	1	0	0	0	0	0	0	0	0	0	0
468.6	0	0	0	0	0	0	0	0	0	0	0	0
469.7	0	0	0	0	0	0	0	0	0	0	0	0
470.7	0	0	0	0	0	0	0	0	0	0	0	0
471.8	0	0	0	0	0	0	0	0	0	0	0	0
472.9	0	0	0	0	0	0	0	0	0	0	0	0
473.9	1	0	1	0	0	0	0	0	0	0	0	0
475.0	0	0	0	0	0	0	0	0	0	0	0	0
476.0	1	0	1	0	0	0	0	0	0	0	0	0
477.1	1	0	1	0	0	0	0	0	0	0	0	0

Table 39. Dosage Measurements

TRIAL BER1(DP1-001), 24 JAN 78, 11:09:00, LF SPOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	.00
4	.00	3.00	.00	2.71
5	.00	4.00	.00	64.50
6	.00	5.00	.00	720.27
7	.00	6.00	.00	622.49
8	.00	7.00	.00	532.28
9	.00	8.00	.00	338.31
10	.00	9.00	.00	138.03

DOSAGE ALONG SIGHT LINE = 2018.59 (MG. MIN/M\*\*2)

Table 40. Concentration thru Time

TRIAL BSR1(CF1-CO1), 24 JAN 78, 11:00:00, WF SPOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3												
		10	9	8	7	6	5	4	3	2	1			
60.1	36	0	0	0	0	0	0	0	0	0	0	0	0	0
61.1	0	0	0	0	0	0	0	0	0	0	0	0	0	35
62.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63.2	1	0	0	0	1	0	0	0	0	0	0	0	0	0
64.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65.4	68	0	0	0	2	0	0	0	0	0	0	0	0	0
66.4	4	0	0	0	1	0	0	0	0	0	0	0	0	66
67.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2
68.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.7	36	0	0	0	0	0	0	0	0	0	0	0	0	0
71.7	120	0	0	0	0	0	0	0	0	0	0	0	0	86
72.8	543	0	0	0	0	0	0	0	0	0	0	0	0	120
73.9	363	0	0	0	0	0	0	0	0	0	0	0	0	543
74.9	197	0	0	0	0	0	0	0	302	0	0	0	0	60
76.0	93	0	0	0	0	0	0	3	193	0	0	0	0	0
77.1	74	0	0	0	1	0	0	85	6	0	0	0	0	0
78.1	518	0	0	0	1	0	0	19	54	0	0	0	0	0
79.2	915	0	0	0	1	0	0	3	514	0	0	0	0	0
80.2	1991	0	0	0	1	0	0	0	913	0	0	0	0	0
81.3	2906	0	0	0	1	0	0	0	1218	771	0	0	0	0
82.4	953	0	0	0	2	0	0	0	1501	1453	0	0	0	0
83.4	338	0	0	0	2	0	0	0	61	899	0	0	0	0
84.5	2187	0	0	0	2	0	0	0	217	618	0	0	0	0
85.6	2257	0	0	0	2	0	0	0	2184	0	0	0	0	0
86.6	635	0	0	0	2	0	0	0	2254	0	0	0	0	0
87.7	1953	0	0	0	3	0	0	0	632	0	0	0	0	0
88.7	3	0	0	0	3	0	0	0	0	1949	0	0	0	0
89.8	1352	0	0	0	3	0	0	0	0	0	0	0	0	0
90.9	1077	0	0	0	3	0	0	0	521	827	0	0	0	0
91.9	729	0	0	0	3	0	0	0	19	1654	0	0	0	0
93.0	718	0	0	0	4	0	0	0	0	725	0	0	0	0
94.1	4	0	0	0	4	0	0	0	0	714	0	0	0	0
95.1	4	0	0	0	4	0	0	0	0	0	0	0	0	0
96.2	1247	0	0	0	4	0	0	0	0	0	0	0	0	0
97.2	1244	0	0	0	4	0	0	0	0	1242	0	0	0	0
98.3	100	0	0	0	5	0	0	3	1058	177	0	0	0	0
99.4	405	0	0	0	5	0	0	2	92	0	0	0	0	0
100.4	638	0	0	0	5	0	0	0	399	0	0	0	0	0
101.5	976	0	0	0	5	0	0	0	627	0	0	0	0	0
102.6	1198	0	0	0	5	0	0	0	970	0	0	0	0	0
103.6	705	0	0	0	5	0	0	0	1191	0	0	0	0	0
104.7	777	0	0	0	6	0	0	0	133	565	0	0	0	0
105.7	510	0	0	0	4	0	0	0	484	298	0	0	0	0
106.8	1140	0	0	0	0	0	0	0	509	0	0	0	0	0
									114	1026	0	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL [SP1(DF1-001), 21 JAN 75, 11:01:00, WF 01:RE

TIME SECS	CL MG/M**2	10	9	8	7	6	5	4	3	2	1
107.9	1136	0	0	0	0	0	0	793	345	0	0
109.9	2217	0	0	0	0	0	0	2217	0	0	0
110.0	2584	0	0	0	0	0	0	2584	0	0	0
111.1	1176	0	0	0	0	0	0	1176	0	0	0
112.1	405	0	0	0	0	0	0	405	0	0	0
113.2	2061	0	0	0	0	0	0	589	1473	0	0
114.2	1121	0	0	0	0	0	0	1121	0	0	0
115.7	69	0	0	0	0	0	0	68	0	0	0
116.4	1662	0	0	0	0	0	0	0	1662	0	0
117.4	0	0	0	0	0	0	0	0	0	0	0
118.5	1241	0	0	0	0	0	0	0	0	0	0
119.6	465	0	0	0	0	0	0	0	1240	0	0
120.6	1592	0	0	0	0	0	0	0	464	0	0
121.7	0	0	0	0	0	0	0	0	1591	0	0
122.7	20	0	0	0	0	0	0	0	0	0	0
123.9	923	0	0	0	0	0	0	0	20	0	0
124.9	83	0	0	0	0	0	0	0	922	0	0
125.9	21	0	0	0	0	0	0	0	12	70	0
127.0	2	0	0	0	2	0	0	0	0	20	0
128.1	455	0	0	0	1	0	0	0	0	0	0
129.1	369	0	0	0	2	0	0	453	0	0	0
130.2	99	0	0	0	1	0	0	366	0	0	0
131.2	17	0	0	0	1	0	13	84	0	0	0
132.3	4	0	0	0	1	0	16	0	0	0	0
133.4	23	0	0	0	0	0	3	0	0	0	0
134.4	41	0	0	0	0	0	22	0	0	0	0
135.5	46	0	0	0	0	0	40	0	0	0	0
136.6	28	0	0	0	0	0	7	38	0	0	0
137.6	5	0	0	0	0	0	2	26	0	0	0
138.7	46	0	0	0	0	0	0	4	0	0	0
139.7	5	0	0	0	0	0	0	44	0	0	0
140.8	2	0	0	0	0	0	4	0	0	0	0
141.9	38	0	0	0	0	0	1	0	0	0	0
142.9	26	0	0	0	0	0	36	0	0	0	0
144.0	76	0	0	0	0	0	24	0	0	0	0
145.1	58	0	0	0	2	0	74	0	0	0	0
146.1	28	0	0	0	2	0	56	0	0	0	0
147.2	273	0	0	0	2	0	3	22	0	0	0
148.2	4	0	0	0	0	0	0	270	0	0	0
149.3	0	0	0	0	0	0	0	3	0	0	0
150.4	0	0	0	0	0	0	0	0	0	0	0
151.4	0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0	0
153.6	0	0	0	0	0	0	0	0	0	0	0
154.6	0	0	0	0	0	0	0	0	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL 15R1(DP1-001), 24 JAN 78, 11:01:00, W3 S4)KE

TIME SECS 40/M**2	CL	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
155.7	941	0	0	0	0	0	0	0	940	0	0
156.7	304	C	0	0	0	0	0	76	227	C	C
157.9	325	0	0	0	0	0	0	325	0	0	0
158.9	1400	C	0	0	0	C	C	555	844	C	C
159.9	932	0	0	0	0	0	0	79	853	0	0
161.0	633	0	0	0	0	0	5	301	326	C	C
162.1	11	0	0	0	0	0	11	0	0	0	0
163.1	1	C	0	C	0	C	1	C	C	C	C
164.2	C	0	0	C	0	0	0	0	0	0	0
165.2	C	0	0	C	0	0	0	0	C	0	C
166.3	3	0	0	C	0	0	0	0	0	0	0
167.4	523	C	0	C	C	C	0	C	523	C	0
168.4	684	0	0	0	0	0	0	0	683	0	0
169.5	983	C	0	C	C	C	C	0	982	C	C
170.6	1627	0	0	0	0	0	0	C	1626	0	0
171.6	1397	C	0	C	0	C	C	C	1397	0	0
172.7	0	0	0	0	0	0	0	0	0	0	0
173.7	168	C	0	C	0	C	0	168	0	C	C
174.9	904	0	0	C	0	0	0	804	0	0	0
175.9	C	0	0	0	0	C	C	C	C	C	0
176.9	0	0	0	C	0	0	0	0	0	0	0
178.0	122	0	0	C	0	C	C	C	C	C	122
179.1	143	0	0	0	0	0	0	0	0	0	143
180.1	0	0	0	0	0	0	0	0	0	0	0
181.2	C	0	0	C	0	C	C	C	0	0	C
182.2	0	0	0	C	0	0	0	0	0	0	0
183.3	C	C	C	C	0	C	0	C	0	C	C
184.4	0	0	0	0	0	0	0	0	0	0	0
185.4	C	0	0	C	0	C	C	C	C	C	C
186.5	0	0	0	C	0	0	0	0	0	0	0
187.6	0	0	0	C	0	C	C	C	0	C	0
188.6	0	0	0	0	0	0	0	0	0	0	0
189.7	C	0	0	C	0	0	0	C	C	C	C
190.7	0	0	0	0	0	0	0	0	0	0	0
191.8	0	0	0	C	0	C	C	C	0	C	C
192.9	0	0	0	0	0	0	0	0	0	0	0
193.9	27	C	0	C	C	C	C	27	0	C	C
195.0	0	0	0	0	0	0	0	0	0	0	0
196.1	C	0	0	C	0	C	C	C	0	0	C
197.1	0	0	0	0	0	0	0	0	0	0	0
198.2	C	C	0	C	0	0	C	0	0	0	0
199.2	0	0	0	C	0	0	0	0	0	0	0
200.3	0	0	0	C	0	C	C	C	0	0	C
201.4	0	0	0	0	0	0	0	0	0	0	0
202.4	0	C	0	C	0	0	0	C	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL 55R1(CF1-DC1), 24 JAN 78, 11:00:00, WF 51'VE

TIME SECC	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
203.5	123	0	0	0	0	0	0	0	0	0	0	123
204.6	35	0	0	0	0	0	0	0	0	0	0	35
205.6	235	0	0	0	0	0	0	0	0	0	0	235
206.7	976	0	0	0	0	0	0	0	0	0	0	976
207.7	598	0	0	0	0	0	0	0	0	0	0	598
209.9	186	0	0	0	0	0	0	0	0	0	0	186
209.9	449	0	0	0	0	0	0	0	0	0	0	449
210.9	584	0	0	0	0	0	0	0	0	0	0	584
212.0	389	0	0	0	0	0	0	0	0	0	0	389
213.1	15	0	0	0	0	0	0	0	0	0	0	15
214.1	56	0	0	0	0	0	0	0	0	0	0	56
215.2	0	0	0	0	0	0	0	0	0	0	0	0
216.2	47	0	0	0	0	0	0	0	0	0	0	47
217.3	192	0	0	0	0	0	0	0	0	0	0	192
218.4	0	0	0	0	0	0	0	0	0	0	0	0
219.4	66	0	0	0	0	0	0	0	0	0	0	66
220.5	0	0	0	0	0	0	0	0	0	0	0	0
221.6	0	0	0	0	0	0	0	0	0	0	0	0
222.6	17	0	0	0	0	0	0	0	0	0	17	0
223.7	11	0	0	0	0	0	0	0	0	0	11	0
224.7	0	0	0	0	0	0	0	0	0	0	0	0
225.8	36	0	0	0	0	0	0	0	0	0	0	36
226.9	0	0	0	0	0	0	0	0	0	0	0	0
227.9	45	0	0	0	0	0	0	0	0	0	45	0
229.0	86	0	0	0	0	0	0	0	0	0	86	0
230.1	474	0	0	0	0	0	0	0	0	0	474	0
231.1	1037	0	0	0	0	0	0	0	0	0	1037	0
232.2	0	0	0	0	0	0	0	0	0	0	0	0
233.2	146	0	0	0	0	0	0	0	0	0	0	146
234.3	230	0	0	0	0	0	0	0	0	0	0	230
235.4	0	0	0	0	0	0	0	0	0	0	0	0
236.4	268	0	0	0	0	0	0	0	0	0	0	268
237.5	42	0	0	0	0	0	0	0	0	0	0	42
238.6	0	0	0	0	0	0	0	0	0	0	0	0
239.6	0	0	0	0	0	0	0	0	0	0	0	0
240.7	35	0	0	0	0	0	0	0	0	0	0	35
241.7	201	0	0	0	0	0	0	0	0	0	0	201
242.8	0	0	0	0	0	0	0	0	0	0	0	0
243.9	0	0	0	0	0	0	0	0	0	0	0	0
244.9	0	0	0	0	0	0	0	0	0	0	0	0
245.0	68	0	0	0	0	0	0	0	0	0	0	68
247.1	0	0	0	0	0	0	0	0	0	0	0	0
248.1	0	0	0	0	0	0	0	0	0	0	0	0
249.2	411	0	0	0	0	0	0	0	0	0	0	411
250.2	502	0	0	0	0	0	0	0	0	0	0	502

Table 40. Concentration thru Time (Cont.)

TRIAL BR1(DP1-001), 2 JAN 76, 11:00:00, WF 5:16

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
251.3	0	0	0	0	0	0	0	0	0	0	0	0
252.4	8	0	0	0	0	0	0	0	0	0	0	0
253.4	0	0	0	0	0	0	0	0	0	0	0	0
254.5	0	0	0	0	0	0	0	0	0	0	0	0
255.6	0	0	0	0	0	0	0	0	0	0	0	0
256.6	0	0	0	0	0	0	0	0	0	0	0	0
257.7	0	0	0	0	0	0	0	0	0	0	0	0
258.7	113	0	0	0	0	0	0	0	0	0	0	113
259.8	76	0	0	0	0	0	0	0	0	0	0	76
260.9	211	0	0	0	0	0	0	0	0	0	0	211
261.9	86	0	0	0	0	0	0	0	0	0	0	86
263.0	193	0	0	0	0	0	0	0	0	0	0	193
264.1	0	0	0	0	0	0	0	0	0	0	0	0
265.1	91	0	0	0	0	0	0	0	0	0	0	91
266.2	185	0	0	0	0	0	0	0	0	0	0	185
267.2	233	0	0	0	0	0	0	0	0	20	0	233
268.3	0	0	0	0	0	0	0	0	0	0	0	0
269.4	5	0	0	0	0	0	0	0	0	0	0	5
270.4	0	0	0	0	0	0	0	0	0	0	0	0
271.5	53	0	0	0	0	0	0	0	0	0	0	53
272.6	78	0	0	0	0	0	0	0	0	0	0	78
273.6	0	0	0	0	0	0	0	0	0	0	0	0
274.7	0	0	0	0	0	0	0	0	0	0	0	0
275.7	0	0	0	0	0	0	0	0	0	0	0	0
276.8	8	0	0	0	0	0	0	0	0	0	0	8
277.9	0	0	0	0	0	0	0	0	0	0	0	0
278.9	0	0	0	0	0	0	0	0	0	0	0	0
280.0	251	0	0	0	0	0	0	0	0	251	0	0
281.1	0	0	0	0	0	0	0	0	0	0	0	0
282.1	0	0	0	0	0	0	0	0	0	0	0	0
283.2	0	0	0	0	0	0	0	0	0	0	0	0
284.2	568	0	0	0	0	0	0	0	0	0	0	568
285.3	102	0	0	0	0	0	0	0	0	0	0	102
286.4	764	0	0	0	0	0	0	0	0	0	0	764
287.4	240	0	0	0	0	0	0	0	0	0	0	240
288.5	378	0	0	0	0	0	0	0	0	0	0	378
289.6	29	0	0	0	0	0	0	0	0	0	0	29
290.6	2	0	0	0	0	0	0	0	0	0	0	2
291.7	27	0	0	0	0	0	0	0	0	0	0	27
292.7	0	0	0	0	0	0	0	0	0	0	0	0
293.8	7	0	0	0	0	0	0	0	0	0	0	7
294.9	294	0	0	0	0	0	0	0	0	0	0	294
295.9	452	0	0	0	0	0	0	0	0	0	0	452
297.0	1318	0	0	0	0	0	0	0	0	0	0	1318
298.1	990	0	0	0	0	0	0	0	0	0	0	990

Table 40. Concentration thru Time (Cont.)

TRIAL ISR1(CFJ-CC1), 24 JAN 78, 12:08:00, NP 01:KE											
TIME SECS	CL NO/M**2	CONCENTRATIONS NO/M**3									
		10	9	8	7	6	5	4	3	2	1
299.1	484	0	0	0	0	0	0	484	0	0	0
300.2	0	0	0	0	0	0	0	0	0	0	0
301.2	0	0	0	0	0	0	0	0	0	0	0
302.7	0	0	0	0	0	0	0	0	0	0	0
303.4	0	0	0	0	0	0	0	0	0	0	0
304.4	0	0	0	0	0	0	0	0	0	0	0
305.5	4	0	0	0	0	0	0	0	0	0	0
306.6	0	0	0	0	0	0	0	0	0	0	0
307.6	39	0	0	0	0	0	0	0	0	0	0
309.7	0	0	0	0	0	0	0	0	0	0	0
309.7	0	0	0	0	0	0	0	0	0	0	0
310.8	0	0	0	0	0	0	0	0	0	0	0
311.9	0	0	0	0	0	0	0	0	0	0	0
312.9	44	0	0	0	0	0	0	0	0	0	0
314.0	0	0	0	0	0	0	0	0	0	0	0
315.1	0	0	0	0	0	0	0	0	0	0	0
316.1	0	0	0	0	0	0	0	0	0	0	0
317.2	0	0	0	0	0	0	0	0	0	0	0
318.2	0	0	0	0	0	0	0	0	0	0	0
319.3	0	0	0	0	0	0	0	0	0	0	0
320.4	403	0	0	0	0	0	0	0	0	0	0
321.4	134	0	0	0	0	0	0	403	0	0	0
322.5	136	0	0	0	0	0	0	134	0	0	0
323.6	391	0	0	0	0	0	0	136	0	0	0
324.6	39	0	0	0	0	0	0	39	35	0	0
325.7	17	0	0	0	0	0	0	39	17	0	0
326.7	356	0	0	0	0	0	0	0	17	0	0
327.8	210	0	0	0	0	0	0	0	356	0	0
328.9	29	0	0	0	0	0	0	206	0	0	0
329.9	59	0	0	0	0	0	0	19	0	0	0
331.0	58	0	0	0	0	0	0	58	0	0	0
332.0	14	0	0	0	0	0	0	58	0	0	0
333.1	0	0	0	0	0	0	0	14	0	0	0
334.2	0	0	0	0	0	0	0	0	0	0	0
335.2	0	0	0	0	0	0	0	0	0	0	0
336.3	0	0	0	0	0	0	0	0	0	0	0
337.4	0	0	0	0	0	0	0	0	0	0	0
338.4	0	0	0	0	0	0	0	0	0	0	0
339.5	0	0	0	0	0	0	0	0	0	0	0
340.5	0	0	0	0	0	0	0	0	0	0	0
341.6	0	0	0	0	0	0	0	0	0	0	0
342.7	0	0	0	0	0	0	0	0	0	0	0
343.7	0	0	0	0	0	0	0	0	0	0	0
344.8	0	0	0	0	0	0	0	0	0	0	0
345.9	0	0	0	0	0	0	0	0	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL 35R1(DP1-001), 21 JAN 78, 1:09:00, WP 54)KE

TIME SECS	CL 40/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
345.9	0	0	0	0	0	0	0	0	0	0	0	0
348.0	0	0	0	0	0	0	0	0	0	0	0	0
349.0	0	0	0	0	0	0	0	0	0	0	0	0
350.1	43	0	0	0	0	0	0	0	0	0	0	43
351.2	0	0	0	0	0	0	0	0	0	0	0	0
352.2	0	0	0	0	0	0	0	0	0	0	0	0
353.3	0	0	0	0	0	0	0	0	0	0	0	0
354.4	0	0	0	0	0	0	0	0	0	0	0	0
355.4	0	0	0	0	0	0	0	0	0	0	0	0
356.5	0	0	0	0	0	0	0	0	0	0	0	0
357.5	0	0	0	0	0	0	0	0	0	0	0	0
358.6	0	0	0	0	0	0	0	0	0	0	0	0
359.7	0	0	0	0	0	0	0	0	0	0	0	0
360.7	0	0	0	0	0	0	0	0	0	0	0	0
361.8	19	0	0	0	0	0	0	0	0	0	0	19
362.9	37	0	0	0	0	0	0	0	0	0	0	37
363.9	0	0	0	0	0	0	0	0	0	0	0	0
365.0	0	0	0	0	0	0	0	0	0	0	0	0
366.0	0	0	0	0	0	0	0	0	0	0	0	0
367.1	0	0	0	0	0	0	0	0	0	0	0	0
368.2	0	0	0	0	0	0	0	0	0	0	0	0
369.2	0	0	0	0	0	0	0	0	0	0	0	0
370.3	0	0	0	0	0	0	0	0	0	0	0	0
371.4	0	0	0	0	0	0	0	0	0	0	0	0
372.4	0	0	0	0	0	0	0	0	0	0	0	0
373.5	0	0	0	0	0	0	0	0	0	0	0	0
374.5	0	0	0	0	0	0	0	0	0	0	0	0
375.6	186	0	0	0	0	0	0	186	0	0	0	0
376.7	30	0	0	0	0	0	0	30	0	0	0	0
377.7	13	0	0	0	0	0	0	5	7	0	0	0
378.8	10	0	0	0	0	0	10	0	0	0	0	0
379.9	67	0	0	0	0	0	4	62	0	0	0	0
380.9	295	0	0	0	0	0	0	295	0	0	0	0
382.0	184	0	0	0	0	0	0	184	0	0	0	0
383.0	75	0	0	0	0	0	0	75	0	0	0	0
384.1	0	0	0	0	0	0	0	0	0	0	0	0
385.2	0	0	0	0	0	0	0	0	0	0	0	0
386.2	0	0	0	0	0	0	0	0	0	0	0	0
387.3	0	0	0	0	0	0	0	0	0	0	0	0
388.4	0	0	0	0	0	0	0	0	0	0	0	0
389.4	0	0	0	0	0	0	0	0	0	0	0	0
390.5	0	0	0	0	0	0	0	0	0	0	0	0
391.5	0	0	0	0	0	0	0	0	0	0	0	0
392.6	28	0	0	0	0	0	0	28	0	0	0	0
393.7	26	0	0	0	0	0	0	26	0	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL 15R1(DP1-001), 24 JAN 79, 11:03:00, #3 STAKE

TIME SECS	CL 46/4**2	CONCENTRATIONS MO/4**3									
		10	9	8	7	6	5	4	3	2	1
394.7	28	0	0	0	0	0	1	27	0	0	0
395.8	0	0	0	0	0	0	0	0	0	0	0
396.9	0	0	0	0	0	0	0	0	0	0	0
397.9	0	0	0	0	0	0	0	0	0	0	0
399.0	0	0	0	0	0	0	0	0	0	0	0
400.0	0	0	0	0	0	0	0	0	0	0	0
401.1	0	0	0	0	0	0	0	0	0	0	0
402.2	0	0	0	0	0	0	0	0	0	0	0
403.2	0	0	0	0	0	0	0	0	0	0	0
404.3	0	0	0	0	0	0	0	0	0	0	0
405.4	0	0	0	0	0	0	0	0	0	0	0
406.4	0	0	0	0	0	0	0	0	0	0	0
407.5	0	0	0	0	0	0	0	0	0	0	0
408.5	0	0	0	0	0	0	0	0	0	0	0
409.6	0	0	0	0	0	0	0	0	0	0	0
410.7	57	0	0	0	0	0	0	57	0	0	0
411.7	2	0	0	0	0	0	0	2	0	0	0
412.8	0	0	0	0	0	0	0	0	0	0	0
413.9	6	0	0	0	0	0	0	6	0	0	0
414.9	2	0	0	0	0	0	0	2	0	0	0
416.0	7	0	0	0	0	0	0	7	0	0	0
417.0	0	0	0	0	0	0	0	0	0	0	0
418.1	241	0	0	0	0	0	0	0	241	0	0
419.2	0	0	0	0	0	0	0	0	0	0	0
420.2	0	0	0	0	0	0	0	0	0	0	0
421.3	0	0	0	0	0	0	0	0	0	0	0
422.4	0	0	0	0	0	0	0	0	0	0	0
423.4	0	0	0	0	0	0	0	0	0	0	0
424.5	0	0	0	0	0	0	0	0	0	0	0
425.5	0	0	0	0	0	0	0	0	0	0	0
426.6	0	0	0	0	0	0	0	0	0	0	0
427.7	0	0	0	0	0	0	0	0	0	0	0
428.7	0	0	0	0	0	0	0	0	0	0	0
429.8	0	0	0	0	0	0	0	0	0	0	0
430.9	0	0	0	0	0	0	0	0	0	0	0
431.9	87	0	0	0	0	0	0	87	0	0	0
433.0	6	0	0	0	0	0	0	6	0	0	0
434.0	0	0	0	0	0	0	0	0	0	0	0
435.1	38	0	0	0	0	0	0	38	0	0	0
436.2	0	0	0	0	0	0	0	0	0	0	0
437.2	0	0	0	0	0	0	0	0	0	0	0
438.3	14	0	0	0	0	0	0	14	0	0	0
439.4	141	0	0	0	0	0	0	141	0	0	0
440.4	225	0	0	0	0	0	0	225	0	0	0
441.5	117	0	0	0	0	0	0	117	0	0	0

Table 40. Concentration thru Time (Cont.)

TRIAL (SER) (DF) (CC), 24 JAN 78, 11:02:00, WF SP:HE

TIME SECS	CL %N**2	CONCENTRATIONS NC/M**3										
		10	9	8	7	6	5	4	3	2	1	
442.5	C	C	C	C	0	C	C	C	C	C	C	C
443.6	0	0	0	0	0	0	0	0	0	0	0	0
444.7	0	0	0	0	0	C	C	C	C	C	C	C
445.7	20	0	0	0	0	0	1	18	0	0	0	0
446.8	59	C	C	C	C	C	C	59	C	C	C	C
447.9	0	0	0	0	0	0	0	0	0	0	0	0
448.9	C	C	C	C	0	C	C	0	0	0	0	0
450.0	0	0	0	0	0	0	0	0	0	0	0	0
451.0	0	C	C	C	0	C	C	C	C	C	C	C
452.1	0	0	0	0	0	0	0	0	0	0	0	0
453.2	0	C	C	C	0	C	C	C	C	C	C	C
454.2	0	0	0	0	0	0	0	0	0	0	0	0
455.3	0	C	C	C	0	C	C	C	C	C	C	C
456.4	6	0	0	0	0	0	0	6	0	0	0	0
457.4	8	0	0	0	0	C	C	8	C	C	C	C
458.5	37	C	C	C	C	C	C	37	C	C	C	C
459.5	0	0	0	0	0	0	0	0	0	0	0	0
460.6	C	C	C	C	0	C	C	0	0	0	0	0
461.7	0	0	0	0	0	0	0	0	0	0	0	0
462.7	0	0	0	0	0	C	C	0	0	0	0	0
463.8	0	0	0	0	0	0	0	0	0	0	0	0
464.9	C	C	C	C	0	C	C	0	0	0	0	0
465.9	C	0	0	0	0	0	0	0	0	0	0	0
467.0	C	0	0	0	0	C	C	0	C	C	C	C
468.0	0	0	0	0	0	0	0	0	0	0	0	0
469.1	C	C	C	C	0	C	C	C	C	C	C	C
470.2	0	C	C	C	0	0	0	C	0	0	0	0
471.2	0	C	C	C	0	0	0	C	0	0	0	0
472.3	0	C	C	C	0	0	0	0	0	0	0	0
473.4	0	C	C	C	0	0	0	C	0	0	0	0
474.4	0	0	0	0	0	0	0	0	0	0	0	0
475.5	0	C	C	C	0	C	C	C	C	C	C	C
476.5	0	0	0	0	0	0	0	0	0	0	0	0
477.6	0	C	C	C	0	C	C	0	0	0	0	0
478.7	0	0	0	0	0	0	0	0	0	0	0	0
479.7	0	C	C	C	0	C	C	C	C	C	C	C
480.8	0	0	0	0	0	0	0	0	0	0	0	0
481.9	0	C	C	C	0	C	C	C	C	C	C	C
482.9	0	0	0	0	0	0	0	0	0	0	0	0
484.0	0	C	C	C	0	C	C	C	C	C	C	C
485.0	0	0	0	0	0	0	0	0	0	0	0	0
486.1	0	0	0	0	0	0	0	0	0	0	0	0
487.2	0	0	0	0	0	0	0	0	0	0	0	0
488.2	0	0	0	0	0	0	0	0	0	0	0	0
489.3	0	0	0	0	0	0	0	0	0	0	0	0

Table 41. Weight Loss thru Time

TRIAL A15 TN	WN	RW	RT
0.	111.88	0.00	0.00
1.	112.63	-0.01	0.00
2.	112.82	-0.01	0.01
3.	113.08	-0.02	0.01
4.	112.84	-0.01	0.01
5.	112.91	-0.01	0.02
6.	112.90	-0.01	0.02
7.	113.18	-0.02	0.02
8.	113.44	-0.02	0.02
9.	113.80	-0.02	0.03
10.	112.70	-0.01	0.03
11.	112.85	-0.01	0.03
12.	112.81	-0.01	0.04
13.	112.75	-0.01	0.04
14.	112.73	-0.01	0.04
15.	112.82	-0.01	0.05
16.	112.86	-0.01	0.05
17.	112.78	-0.01	0.05
18.	112.63	-0.01	0.06
19.	112.67	-0.01	0.06
20.	112.61	-0.01	0.06
21.	112.56	-0.01	0.06
22.	112.40	-0.01	0.07
23.	112.30	-0.01	0.07
24.	112.46	-0.01	0.07
25.	112.20	-0.00	0.08
26.	112.12	-0.00	0.08
27.	112.18	-0.00	0.08
28.	112.21	-0.00	0.09
29.	112.12	-0.00	0.09
30.	111.91	-0.00	0.09
31.	111.96	-0.00	0.10
32.	111.97	-0.00	0.10
33.	111.77	0.00	0.10
34.	111.68	0.00	0.10
35.	111.65	0.00	0.11
36.	111.64	0.00	0.11
37.	111.50	0.00	0.11
38.	111.40	0.01	0.12
39.	111.40	0.01	0.12
40.	111.22	0.01	0.12
41.	110.92	0.01	0.13
42.	110.77	0.01	0.13
43.	110.84	0.01	0.13
44.	110.78	0.01	0.14
45.	110.66	0.02	0.14
46.	110.59	0.02	0.14
47.	110.64	0.02	0.15
48.	110.62	0.02	0.15
49.	110.34	0.02	0.15
50.	110.12	0.02	0.15
51.	110.12	0.02	0.16
52.	110.03	0.02	0.16
53.	109.86	0.03	0.16
54.	109.73	0.03	0.17
55.	109.61	0.03	0.17
56.	109.10	0.04	0.17

Table 41. Weight Loss thru Time (Cont.)

TRIAL A15

TN	WN	RW	RT
57.	109.00	0.04	0.18
58.	109.08	0.04	0.18
59.	109.02	0.04	0.18
60.	108.83	0.04	0.19
61.	108.59	0.04	0.19
62.	108.37	0.05	0.19
63.	108.14	0.05	0.19
64.	108.17	0.05	0.20
65.	108.05	0.05	0.20
66.	108.06	0.05	0.20
67.	108.01	0.05	0.21
68.	107.76	0.05	0.21
69.	107.64	0.06	0.21
70.	107.74	0.05	0.22
71.	107.59	0.06	0.22
72.	107.34	0.06	0.22
73.	106.98	0.06	0.23
74.	107.00	0.06	0.23
75.	106.79	0.07	0.23
76.	106.68	0.07	0.23
77.	106.64	0.07	0.24
78.	106.62	0.07	0.24
79.	106.34	0.07	0.24
80.	105.77	0.08	0.25
81.	105.68	0.08	0.25
82.	105.78	0.08	0.25
83.	105.49	0.08	0.26
84.	105.36	0.09	0.26
85.	105.01	0.09	0.26
86.	104.92	0.09	0.27
87.	104.76	0.09	0.27
88.	104.65	0.09	0.27
89.	104.72	0.09	0.27
90.	104.59	0.10	0.28
91.	104.52	0.10	0.28
92.	104.53	0.10	0.28
93.	104.02	0.10	0.29
94.	103.46	0.11	0.29
95.	103.25	0.11	0.29
96.	103.13	0.11	0.30
97.	103.14	0.11	0.30
98.	103.07	0.11	0.30
99.	103.06	0.12	0.31
100.	103.08	0.11	0.31
101.	102.94	0.12	0.31
102.	102.79	0.12	0.31
103.	102.47	0.12	0.32
104.	102.65	0.12	0.32
105.	102.17	0.13	0.32
106.	101.78	0.13	0.33
107.	101.71	0.13	0.33
108.	101.50	0.14	0.33
109.	101.35	0.14	0.34
110.	101.29	0.14	0.34
111.	101.28	0.14	0.34
112.	101.16	0.14	0.35
113.	101.00	0.14	0.35
114.	100.61	0.15	0.35

Table 41. Weight Loss thru Time (Cont.)

TRIAL A15

TN	WN	RW	RT
115.	100. 19	0. 15	0. 35
116.	99. 83	0. 16	0. 36
117.	99. 42	0. 16	0. 36
118.	99. 40	0. 16	0. 36
119.	99. 30	0. 16	0. 37
120.	99. 26	0. 16	0. 37
121.	99. 04	0. 17	0. 37
122.	99. 01	0. 17	0. 38
123.	98. 98	0. 17	0. 38
124.	98. 89	0. 17	0. 38
125.	98. 61	0. 17	0. 39
126.	98. 71	0. 17	0. 39
127.	98. 28	0. 18	0. 39
128.	97. 94	0. 18	0. 40
129.	96. 02	0. 18	0. 40
130.	97. 96	0. 18	0. 40
131.	97. 84	0. 18	0. 40
132.	97. 76	0. 18	0. 41
133.	97. 33	0. 19	0. 41
134.	96. 96	0. 19	0. 41
135.	96. 52	0. 20	0. 42
136.	96. 34	0. 20	0. 42
137.	96. 12	0. 21	0. 42
138.	96. 04	0. 21	0. 43
139.	95. 77	0. 21	0. 43
140.	95. 57	0. 21	0. 43
141.	95. 41	0. 21	0. 44
142.	95. 20	0. 22	0. 44
143.	95. 15	0. 22	0. 44
144.	95. 22	0. 22	0. 44
145.	95. 16	0. 22	0. 45
146.	95. 10	0. 22	0. 45
147.	94. 92	0. 22	0. 45
148.	94. 63	0. 22	0. 46
149.	94. 31	0. 23	0. 46
150.	94. 00	0. 23	0. 46
151.	93. 77	0. 24	0. 47
152.	93. 36	0. 24	0. 47
153.	93. 01	0. 25	0. 47
154.	92. 56	0. 25	0. 48
155.	92. 04	0. 26	0. 48
156.	91. 61	0. 26	0. 48
157.	91. 31	0. 27	0. 48
158.	91. 32	0. 27	0. 49
159.	90. 94	0. 27	0. 49
160.	90. 70	0. 28	0. 49
161.	90. 52	0. 28	0. 50
162.	90. 19	0. 28	0. 50
163.	89. 38	0. 29	0. 50
164.	88. 96	0. 30	0. 51
165.	88. 70	0. 30	0. 51
166.	88. 37	0. 31	0. 51
167.	88. 26	0. 31	0. 52
168.	88. 20	0. 31	0. 52
169.	88. 10	0. 31	0. 52
170.	88. 20	0. 31	0. 52
171.	88. 13	0. 31	0. 53
172.	87. 92	0. 31	0. 53

Table 41. Weight Loss thru Time (Cont.)

TRIAL A15

TN	WN	RW	RT
173.	87.92	0.31	0.53
174.	87.83	0.31	0.54
175.	87.54	0.32	0.54
176.	87.47	0.32	0.54
177.	87.37	0.32	0.55
178.	87.11	0.32	0.55
179.	86.59	0.33	0.55
180.	85.94	0.34	0.56
181.	85.51	0.34	0.56
182.	85.14	0.35	0.56
183.	84.79	0.35	0.56
184.	84.67	0.35	0.57
185.	84.52	0.36	0.57
186.	84.40	0.36	0.57
187.	84.41	0.36	0.58
188.	84.25	0.36	0.58
189.	84.14	0.36	0.58
190.	83.87	0.37	0.59
191.	83.47	0.37	0.59
192.	83.16	0.37	0.59
193.	82.90	0.38	0.60
194.	82.44	0.38	0.60
195.	82.13	0.39	0.60
196.	81.66	0.39	0.60
197.	81.00	0.40	0.61
198.	80.17	0.41	0.61
199.	79.62	0.42	0.61
200.	79.24	0.43	0.62
201.	78.77	0.43	0.62
202.	78.40	0.44	0.62
203.	78.02	0.44	0.63
204.	77.38	0.45	0.63
205.	76.80	0.46	0.63
206.	76.36	0.46	0.64
207.	75.29	0.48	0.64
208.	74.62	0.49	0.64
209.	73.99	0.49	0.65
210.	73.81	0.50	0.65
211.	73.36	0.50	0.65
212.	72.79	0.51	0.65
213.	72.24	0.52	0.66
214.	71.83	0.52	0.66
215.	71.57	0.53	0.66
216.	70.93	0.53	0.67
217.	70.87	0.53	0.67
218.	70.46	0.54	0.67
219.	70.00	0.55	0.68
220.	69.36	0.55	0.68
221.	68.40	0.57	0.68
222.	67.50	0.58	0.69
223.	66.77	0.59	0.69
224.	65.99	0.60	0.69
225.	65.42	0.61	0.69
226.	64.79	0.61	0.70
227.	63.74	0.63	0.70
228.	62.82	0.64	0.70
229.	62.06	0.65	0.71
230.	61.38	0.66	0.71

Table 41. Weight Loss thru Time (Cont.)

TRIAL A15

TN	WN	RW	RY
231.	60.76	0.67	0.71
232.	60.32	0.67	0.72
233.	59.56	0.68	0.72
234.	59.05	0.69	0.72
235.	58.56	0.70	0.73
236.	58.00	0.70	0.73
237.	57.61	0.71	0.73
238.	57.14	0.71	0.73
239.	56.89	0.72	0.74
240.	56.59	0.72	0.74
241.	56.41	0.72	0.74
242.	56.04	0.73	0.75
243.	55.37	0.74	0.75
244.	54.66	0.75	0.75
245.	54.22	0.75	0.76
246.	53.62	0.76	0.76
247.	53.04	0.77	0.76
248.	52.25	0.78	0.77
249.	51.47	0.79	0.77
250.	50.40	0.80	0.77
251.	49.88	0.81	0.77
252.	49.39	0.82	0.78
253.	48.93	0.82	0.78
254.	48.41	0.83	0.78
255.	48.02	0.83	0.79
256.	47.70	0.84	0.79
257.	47.33	0.84	0.79
258.	47.02	0.85	0.80
259.	46.57	0.85	0.80
260.	46.44	0.85	0.80
261.	46.13	0.86	0.81
262.	45.67	0.86	0.81
263.	45.13	0.87	0.81
264.	44.90	0.87	0.81
265.	44.68	0.88	0.82
266.	44.41	0.88	0.82
267.	44.20	0.88	0.82
268.	44.03	0.88	0.83
269.	43.85	0.89	0.83
270.	43.68	0.89	0.83
271.	43.55	0.89	0.84
272.	43.38	0.89	0.84
273.	43.28	0.89	0.84
274.	43.16	0.90	0.85
275.	43.09	0.90	0.85
276.	43.01	0.90	0.85
277.	42.95	0.90	0.85
278.	42.88	0.90	0.86
279.	42.77	0.90	0.86
280.	42.66	0.90	0.86
281.	42.71	0.90	0.87
282.	42.67	0.90	0.87
283.	42.47	0.91	0.87
284.	42.00	0.91	0.88
285.	41.53	0.92	0.88
286.	41.20	0.92	0.88
287.	40.84	0.93	0.89
288.	40.02	0.94	0.89

Table 41. Weight Loss thru Time (Conc.)

TRIAL A13

TN	WN	RW	RT
289.	39. 61	0. 94	0. 89
290.	39. 40	0. 95	0. 90
291.	39. 16	0. 95	0. 90
292.	38. 92	0. 95	0. 90
293.	38. 82	0. 95	0. 90
294.	38. 59	0. 96	0. 91
295.	38. 40	0. 96	0. 91
296.	38. 42	0. 96	0. 91
297.	38. 30	0. 96	0. 92
298.	38. 30	0. 96	0. 92
299.	38. 21	0. 96	0. 92
300.	37. 87	0. 97	0. 93
301.	37. 79	0. 97	0. 93
302.	37. 56	0. 97	0. 93
303.	37. 46	0. 97	0. 94
304.	37. 36	0. 97	0. 94
305.	37. 18	0. 97	0. 94
306.	37. 03	0. 98	0. 94
307.	36. 86	0. 98	0. 95
308.	36. 71	0. 98	0. 95
309.	36. 61	0. 98	0. 95
310.	36. 49	0. 98	0. 96
311.	36. 49	0. 98	0. 96
312.	36. 30	0. 99	0. 96
313.	36. 22	0. 99	0. 97
314.	36. 06	0. 99	0. 97
315.	35. 96	0. 99	0. 97
316.	35. 86	0. 99	0. 98
317.	35. 83	0. 99	0. 98
318.	35. 77	0. 99	0. 98
319.	35. 64	0. 99	0. 98
320.	35. 50	1. 00	0. 99
321.	35. 45	1. 00	0. 99
322.	35. 28	1. 00	0. 99
323.	35. 27	1. 00	1. 00
324.	35. 21	1. 00	1. 00

TRIAL A16

Table 42. Weight Loss thru Time

TN	WN	RW	RT
0.	116.63	0.00	0.00
1.	116.63	0.00	0.00
2.	116.63	-0.00	0.01
3.	116.94	-0.00	0.01
4.	117.07	-0.01	0.01
5.	116.01	0.01	0.02
6.	116.59	0.00	0.02
7.	117.42	-0.01	0.02
8.	117.10	-0.01	0.03
9.	116.84	-0.00	0.03
10.	116.73	-0.00	0.03
11.	116.49	0.00	0.04
12.	116.56	0.00	0.04
13.	117.46	-0.01	0.04
14.	117.20	-0.01	0.05
15.	116.42	0.00	0.05
16.	116.59	0.00	0.05
17.	116.74	-0.00	0.06
18.	116.51	0.00	0.06
19.	116.49	0.00	0.06
20.	116.51	0.00	0.07
21.	116.45	0.00	0.07
22.	116.52	0.00	0.07
23.	116.44	0.00	0.08
24.	116.42	0.00	0.08
25.	116.36	0.00	0.08
26.	116.16	0.01	0.09
27.	116.12	0.01	0.09
28.	116.16	0.01	0.09
29.	116.00	0.01	0.10
30.	115.89	0.01	0.10
31.	115.93	0.01	0.10
32.	115.92	0.01	0.10
33.	115.93	0.01	0.11
34.	115.76	0.01	0.11
35.	115.65	0.01	0.11
36.	115.63	0.01	0.12
37.	115.57	0.02	0.12
38.	115.49	0.02	0.12
39.	115.40	0.02	0.13
40.	115.25	0.02	0.13
41.	115.21	0.02	0.13
42.	115.16	0.02	0.14
43.	115.14	0.02	0.14
44.	115.00	0.02	0.14
45.	114.97	0.03	0.15
46.	114.79	0.03	0.15
47.	114.96	0.03	0.15
48.	114.94	0.03	0.16
49.	114.47	0.03	0.16
50.	114.46	0.03	0.16
51.	114.47	0.03	0.17
52.	114.30	0.03	0.17
53.	114.31	0.03	0.17
54.	114.13	0.04	0.18
55.	113.92	0.04	0.18
56.	113.92	0.04	0.18

TRIAL A16

Table 42. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	113. 89	0. 04	0. 19
58.	113. 66	0. 04	0. 19
59.	113. 53	0. 04	0. 19
60.	113. 28	0. 05	0. 20
61.	113. 20	0. 05	0. 20
62.	113. 11	0. 05	0. 20
63.	113. 08	0. 05	0. 21
64.	112. 77	0. 05	0. 21
65.	112. 93	0. 05	0. 21
66.	112. 61	0. 05	0. 22
67.	112. 74	0. 06	0. 22
68.	112. 60	0. 06	0. 22
69.	112. 37	0. 06	0. 23
70.	112. 55	0. 06	0. 23
71.	112. 52	0. 06	0. 23
72.	112. 43	0. 06	0. 24
73.	112. 21	0. 06	0. 24
74.	112. 11	0. 07	0. 24
75.	112. 17	0. 06	0. 25
76.	111. 92	0. 07	0. 25
77.	111. 59	0. 07	0. 25
78.	111. 25	0. 08	0. 26
79.	111. 10	0. 08	0. 26
80.	111. 01	0. 08	0. 26
81.	110. 89	0. 08	0. 27
82.	110. 80	0. 08	0. 27
83.	110. 74	0. 08	0. 27
84.	110. 75	0. 08	0. 28
85.	110. 78	0. 08	0. 28
86.	110. 66	0. 09	0. 28
87.	110. 32	0. 09	0. 29
88.	110. 34	0. 09	0. 29
89.	110. 10	0. 09	0. 29
90.	110. 17	0. 09	0. 30
91.	109. 90	0. 10	0. 30
92.	109. 76	0. 10	0. 30
93.	109. 71	0. 10	0. 30
94.	109. 67	0. 10	0. 31
95.	109. 54	0. 10	0. 31
96.	109. 56	0. 10	0. 31
97.	109. 47	0. 10	0. 32
98.	109. 47	0. 10	0. 32
99.	109. 40	0. 10	0. 32
100.	109. 31	0. 11	0. 33
101.	109. 27	0. 11	0. 33
102.	109. 23	0. 11	0. 33
103.	109. 09	0. 11	0. 34
104.	109. 81	0. 11	0. 34
105.	109. 23	0. 12	0. 34
106.	107. 79	0. 13	0. 35
107.	107. 56	0. 13	0. 35
108.	107. 20	0. 14	0. 35
109.	107. 09	0. 14	0. 36
110.	107. 04	0. 14	0. 36
111.	107. 22	0. 14	0. 36
112.	107. 14	0. 14	0. 37
113.	106. 89	0. 14	0. 37
114.	106. 86	0. 14	0. 37

TRIAL A16

Table 42. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
113.	106.92	0.14	0.38
114.	106.69	0.14	0.38
117.	106.56	0.14	0.38
118.	106.57	0.14	0.39
119.	106.61	0.14	0.39
120.	106.61	0.14	0.39
121.	106.57	0.14	0.40
122.	106.54	0.15	0.40
123.	106.56	0.14	0.40
124.	106.55	0.15	0.41
125.	106.92	0.15	0.41
126.	105.82	0.16	0.41
127.	105.62	0.16	0.42
128.	105.01	0.17	0.42
129.	104.71	0.17	0.42
130.	104.56	0.17	0.43
131.	104.67	0.17	0.43
132.	104.73	0.17	0.43
133.	104.56	0.17	0.44
134.	104.52	0.17	0.44
135.	104.63	0.17	0.44
136.	104.51	0.17	0.45
137.	104.44	0.18	0.45
138.	104.24	0.18	0.45
139.	104.14	0.18	0.46
140.	103.75	0.19	0.46
141.	103.60	0.19	0.46
142.	103.50	0.19	0.47
143.	103.34	0.19	0.47
144.	103.26	0.19	0.47
145.	103.32	0.19	0.48
146.	103.33	0.19	0.48
147.	103.21	0.19	0.48
148.	103.23	0.19	0.49
149.	102.95	0.20	0.49
150.	102.64	0.20	0.49
151.	102.11	0.21	0.50
152.	101.50	0.22	0.50
153.	101.26	0.22	0.50
154.	101.15	0.22	0.50
155.	101.04	0.22	0.51
156.	101.10	0.22	0.51
157.	100.98	0.23	0.51
158.	100.83	0.23	0.52
159.	100.59	0.23	0.52
160.	100.59	0.23	0.52
161.	100.65	0.23	0.53
162.	100.75	0.23	0.53
163.	100.56	0.23	0.53
164.	100.50	0.23	0.54
165.	100.55	0.23	0.54
166.	100.36	0.23	0.54
167.	100.15	0.24	0.55
168.	99.95	0.24	0.55
169.	99.95	0.24	0.55
170.	99.91	0.24	0.56
171.	99.80	0.24	0.56
172.	99.84	0.24	0.56

TRIAL A16

Table 42. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	99.83	0.24	0.57
174.	99.56	0.25	0.57
175.	99.31	0.25	0.57
176.	99.16	0.25	0.58
177.	99.12	0.25	0.58
178.	98.65	0.26	0.58
179.	97.93	0.27	0.59
180.	97.23	0.28	0.59
181.	96.71	0.29	0.59
182.	96.23	0.29	0.60
183.	95.67	0.30	0.60
184.	95.19	0.31	0.60
185.	94.55	0.32	0.61
186.	93.89	0.33	0.61
187.	93.32	0.34	0.61
188.	92.87	0.34	0.62
189.	92.04	0.35	0.62
190.	91.31	0.36	0.62
191.	90.67	0.37	0.63
192.	89.91	0.38	0.63
193.	89.19	0.40	0.63
194.	88.30	0.41	0.64
195.	87.25	0.42	0.64
196.	86.46	0.43	0.64
197.	85.55	0.45	0.65
198.	84.67	0.46	0.65
199.	83.94	0.47	0.65
200.	83.13	0.48	0.66
201.	82.53	0.49	0.66
202.	81.84	0.50	0.66
203.	81.29	0.51	0.67
204.	80.65	0.52	0.67
205.	80.13	0.53	0.67
206.	79.49	0.53	0.68
207.	78.85	0.54	0.68
208.	78.19	0.55	0.68
209.	77.37	0.57	0.69
210.	76.35	0.58	0.69
211.	75.43	0.59	0.69
212.	74.69	0.60	0.70
213.	74.00	0.61	0.70
214.	73.24	0.62	0.70
215.	72.31	0.64	0.70
216.	71.57	0.65	0.71
217.	70.92	0.66	0.71
218.	70.14	0.67	0.71
219.	69.62	0.68	0.72
220.	69.04	0.69	0.72
221.	68.48	0.69	0.72
222.	67.88	0.70	0.73
223.	67.40	0.71	0.73
224.	66.96	0.72	0.73
225.	66.55	0.72	0.74
226.	66.13	0.73	0.74
227.	65.56	0.74	0.74
228.	65.29	0.74	0.75
229.	64.93	0.74	0.75
230.	64.55	0.75	0.75

TRIAL A16

Table 42. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	64. 15	0. 76	0. 76
232.	63. 75	0. 76	0. 76
233.	63. 39	0. 77	0. 76
234.	63. 04	0. 77	0. 77
235.	62. 73	0. 78	0. 77
236.	62. 41	0. 78	0. 77
237.	62. 09	0. 79	0. 78
238.	61. 65	0. 79	0. 78
239.	61. 55	0. 79	0. 78
240.	61. 25	0. 80	0. 79
241.	60. 97	0. 80	0. 79
242.	60. 79	0. 80	0. 79
243.	60. 58	0. 81	0. 80
244.	60. 23	0. 81	0. 80
245.	59. 39	0. 82	0. 80
246.	58. 71	0. 83	0. 81
247.	58. 23	0. 84	0. 81
248.	57. 78	0. 85	0. 81
249.	57. 30	0. 85	0. 82
250.	56. 83	0. 86	0. 82
251.	56. 28	0. 87	0. 82
252.	55. 90	0. 87	0. 83
253.	55. 45	0. 88	0. 83
254.	54. 99	0. 89	0. 83
255.	54. 65	0. 89	0. 84
256.	54. 28	0. 90	0. 84
257.	53. 83	0. 90	0. 84
258.	53. 55	0. 91	0. 85
259.	53. 18	0. 91	0. 85
260.	53. 05	0. 92	0. 85
261.	52. 67	0. 92	0. 86
262.	52. 38	0. 93	0. 86
263.	52. 08	0. 93	0. 86
264.	51. 85	0. 93	0. 87
265.	51. 52	0. 94	0. 87
266.	51. 36	0. 94	0. 87
267.	51. 07	0. 94	0. 88
268.	50. 87	0. 95	0. 88
269.	50. 54	0. 95	0. 88
270.	50. 40	0. 95	0. 89
271.	50. 20	0. 96	0. 89
272.	50. 03	0. 96	0. 89
273.	49. 76	0. 96	0. 90
274.	49. 68	0. 96	0. 90
275.	49. 63	0. 96	0. 90
276.	49. 47	0. 97	0. 90
277.	49. 20	0. 97	0. 91
278.	49. 13	0. 97	0. 91
279.	49. 03	0. 97	0. 91
280.	48. 88	0. 98	0. 92
281.	48. 76	0. 98	0. 92
282.	48. 63	0. 98	0. 92
283.	48. 52	0. 98	0. 93
284.	48. 39	0. 98	0. 93
285.	48. 31	0. 98	0. 93
286.	48. 11	0. 99	0. 94
287.	48. 14	0. 99	0. 94
288.	48. 06	0. 99	0. 94

TRIAL A16

Table 42. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
289.	47. 93	0. 99	0. 95
290.	47. 91	0. 99	0. 95
291.	47. 83	0. 99	0. 95
292.	47. 73	0. 99	0. 96
293.	47. 70	0. 99	0. 96
294.	47. 73	0. 99	0. 96
295.	47. 53	1. 00	0. 97
296.	47. 51	1. 00	0. 97
297.	47. 50	1. 00	0. 97
298.	47. 42	1. 00	0. 98
299.	47. 35	1. 00	0. 98
300.	47. 31	1. 00	0. 98
301.	47. 30	1. 00	0. 99
302.	47. 27	1. 00	0. 99
303.	47. 25	1. 00	0. 99
304.	47. 24	1. 00	1. 00
305.	47. 19	1. 00	1. 00

Table 43. Dosage Measurements

TRIAL 313 (DP1-001), 24 JAN 78, 14:15:59, R<sup>3</sup> S4JKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG. MIN/H**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	85.10
2	.00	1.00	.00	205.66
3	.00	2.00	.00	376.76
4	.00	3.00	.00	390.05
5	.00	4.00	.00	367.89
6	.00	5.00	.00	24.82
7	.00	6.00	.00	.00
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE= 1450.29 (MG. MIN/H\*\*2)

Table 44. Concentration thru Time

TRIAL E13 (DP1-001), 24 JAN 78, 14:15:59, RF SPCKE

TIME SECS	CL MG/M**2	CONCENTRATIONS NG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	36	36	0	0	0	0	0	0	0	0	0	0
1.1	70	70	0	0	0	0	0	0	0	0	0	0
2.1	112	112	0	0	0	0	0	0	0	0	0	0
3.2	98	98	0	0	0	0	0	0	0	0	0	0
4.3	80	80	0	0	0	0	0	0	0	0	0	0
5.3	30	30	0	0	0	0	0	0	0	0	0	0
6.4	20	20	0	0	0	0	0	0	0	0	0	0
7.4	27	23	0	0	0	0	0	4	0	0	0	0
8.5	10	10	0	0	0	0	0	0	0	0	0	0
9.6	0	0	0	0	0	0	0	0	0	0	0	0
10.6	0	0	0	0	0	0	0	0	0	0	0	0
11.7	0	0	0	0	0	0	0	0	0	0	0	0
12.8	2	0	0	0	0	0	0	2	0	0	0	0
13.8	47	0	0	0	0	0	0	47	0	0	0	0
14.9	39	0	0	0	0	0	0	39	0	0	0	0
15.9	0	0	0	0	0	0	0	0	0	0	0	0
17.0	0	0	0	0	0	0	0	0	0	0	0	0
18.1	0	0	0	0	0	0	0	0	0	0	0	0
19.1	10	10	0	0	0	0	0	0	0	0	0	0
20.2	61	59	1	0	0	0	0	0	0	0	0	0
21.3	77	77	0	0	0	0	0	0	0	0	0	0
22.3	78	58	1	0	0	0	0	8	0	0	0	0
23.4	104	70	1	0	0	0	0	32	0	0	0	0
24.4	84	48	3	0	0	0	10	22	0	0	0	0
25.5	12	7	1	0	0	0	3	0	0	0	0	0
26.6	9	0	0	0	0	1	7	0	0	0	0	0
27.6	1	0	0	0	0	0	0	0	0	0	0	0
28.7	1	0	1	0	0	0	0	0	0	0	0	0
29.8	11	0	0	0	0	0	0	11	0	0	0	0
30.8	3	0	0	0	0	0	1	2	0	0	0	0
31.9	49	0	1	0	0	0	0	48	0	0	0	0
32.9	8	0	3	0	0	0	0	5	0	0	0	0
34.0	8	0	2	0	0	0	0	4	0	0	0	0
35.1	27	0	2	0	0	0	3	21	0	0	0	0
36.1	37	0	2	0	0	0	0	35	0	0	0	0
37.2	43	0	3	0	0	0	0	40	0	0	0	0
38.3	87	0	0	0	0	0	0	86	0	0	0	0
39.3	35	0	0	0	0	0	0	34	0	0	0	0
40.4	22	18	0	0	0	0	0	4	0	0	0	0
41.4	34	27	1	0	0	0	0	5	0	0	0	0
42.5	110	66	0	0	0	0	0	43	0	0	0	0
43.6	16	0	0	0	0	0	0	15	0	0	0	0
44.6	0	0	0	0	0	0	0	0	0	0	0	0
45.7	2	0	1	0	0	1	0	0	0	0	0	0
46.8	5	0	0	0	4	0	0	0	0	0	0	0

Table 44. Concentration thru Time (Cont.)

TRIAL E13 (DF1-CG1), 24 JAN 71, 14:15:59, RF CMKKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.8	C	C	0	C	0	C	C	C	0	0	C
48.9	0	0	0	0	0	0	C	0	0	0	C
49.9	C	C	0	C	0	C	C	C	C	C	C
51.0	0	0	0	0	0	0	0	0	0	0	0
52.1	10	C	C	C	0	C	10	0	0	0	C
53.1	11	0	0	0	0	0	11	0	0	0	0
54.2	C	C	0	C	0	C	C	0	C	0	0
55.2	0	0	0	0	0	0	0	0	0	0	0
56.3	C	C	0	C	0	C	C	C	C	C	0
57.4	5	0	0	0	0	5	0	0	0	0	0
58.4	6	C	0	C	0	6	C	0	0	C	C
59.5	16	0	0	0	0	16	0	0	0	0	0
60.6	52	C	0	C	41	11	0	C	0	C	0
61.6	17	0	0	0	0	17	0	0	0	0	0
62.7	9	C	0	0	0	9	C	0	0	0	C
63.7	8	0	0	0	0	8	0	C	0	0	C
64.8	43	0	0	C	41	2	C	C	0	0	0
65.9	251	0	0	0	251	0	0	0	0	0	0
66.9	459	C	0	7	452	C	C	C	C	C	C
68.0	13	C	0	9	4	0	0	0	0	0	0
69.1	25	C	0	23	2	C	C	C	0	0	C
70.1	69	0	0	29	39	0	0	0	0	0	0
71.2	265	C	0	254	10	C	C	0	C	C	0
72.2	802	0	5	794	2	0	C	0	0	0	0
73.3	943	C	56	844	1	C	C	C	0	0	0
74.4	1171	0	56	1115	0	0	0	0	0	0	0
75.4	194	C	58	135	0	C	C	C	0	0	0
76.5	728	0	1	726	0	0	0	0	0	0	0
77.6	1566	C	0	1566	0	C	C	0	0	0	0
78.6	60	0	0	59	0	0	0	0	0	0	0
79.7	23	C	C	27	0	C	C	C	0	C	C
80.7	342	0	0	340	1	0	0	0	0	0	0
81.8	544	C	12	519	12	C	C	C	0	C	0
82.9	143	0	109	38	0	0	0	0	0	0	0
83.9	1210	C	765	441	3	C	C	C	0	C	0
85.0	2365	0	1130	1178	5	0	0	0	0	0	0
86.1	1040	0	552	482	5	C	C	C	0	0	0
87.1	559	0	83	473	3	0	0	0	0	0	0
88.2	956	0	31	921	2	C	C	C	0	0	0
89.2	1112	0	41	1070	0	0	0	0	0	0	0
90.3	209	C	4	203	1	C	C	C	0	0	0
91.4	21	0	6	15	0	0	0	0	0	0	0
92.4	587	C	1	514	72	C	C	C	0	0	0
93.5	1773	0	2	1406	364	0	0	0	0	0	0
94.6	458	C	2	103	352	C	C	0	C	C	0

Table 44. Concentration thru Time (Cont.)

TRIAL E13 (DP1-001), 21 JAN 71, 14:15:59, RF SP(KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.6	134	0	3	11	119	0	0	0	0	0	0	0
96.7	713	0	0	5	706	0	0	0	0	0	0	0
97.7	200	0	2	4	193	0	0	0	0	0	0	0
98.8	246	0	1	0	245	0	0	0	0	0	0	0
99.9	192	0	3	0	187	0	0	0	0	0	0	0
100.9	145	0	2	0	144	0	0	0	0	0	0	0
102.0	217	0	1	0	216	0	0	0	0	0	0	0
103.1	114	0	1	0	113	0	0	0	0	0	0	0
104.1	451	0	2	0	449	0	0	0	0	0	0	0
105.2	210	0	0	3	205	0	0	0	0	0	0	0
106.2	413	0	1	3	408	0	0	0	0	0	0	0
107.3	717	0	2	16	698	0	0	0	0	0	0	0
108.4	83	0	3	4	68	7	0	0	0	0	0	0
109.4	25	0	2	0	19	4	0	0	0	0	0	0
110.5	31	0	0	0	19	0	11	0	0	0	0	0
111.6	21	0	0	0	19	0	1	0	0	0	0	0
112.6	18	0	1	0	17	0	0	0	0	0	0	0
113.7	14	0	0	0	14	0	0	0	0	0	0	0
114.7	11	0	0	0	11	0	0	0	0	0	0	0
115.8	8	0	0	0	8	0	0	0	0	0	0	0
116.9	5	0	0	0	5	0	0	0	0	0	0	0
117.9	2	0	0	0	2	0	0	0	0	0	0	0
119.0	1	0	0	0	1	0	0	0	0	0	0	0
120.1	0	0	0	0	0	0	0	0	0	0	0	0
121.1	0	0	0	0	0	0	0	0	0	0	0	0
122.2	0	0	0	0	0	0	0	0	0	0	0	0
123.2	4	0	0	0	0	1	2	0	0	0	0	0
124.3	1	0	0	0	0	0	1	0	0	0	0	0
125.4	1	0	0	0	0	0	1	0	0	0	0	0
126.4	1	0	0	0	0	0	1	0	0	0	0	0
127.5	67	0	0	0	0	0	67	0	0	0	0	0
128.6	94	0	0	0	0	10	83	0	0	0	0	0
129.6	77	0	0	0	0	9	67	0	0	0	0	0
130.7	51	0	0	0	0	0	51	0	0	0	0	0
131.7	139	0	0	0	0	0	139	0	0	0	0	0
132.8	109	0	0	0	0	0	109	0	0	0	0	0
133.9	11	0	0	0	0	0	11	0	0	0	0	0
134.9	11	0	0	0	0	0	11	0	0	0	0	0
136.0	5	0	0	0	0	0	5	0	0	0	0	0
137.1	11	0	1	0	0	0	9	0	0	0	0	0
138.1	34	0	0	0	0	0	34	0	0	0	0	0
139.2	21	0	0	0	0	0	20	0	0	0	0	0
140.2	7	0	0	0	0	0	7	0	0	0	0	0
141.3	4	0	1	0	0	0	3	0	0	0	0	0
142.4	4	0	1	0	0	2	1	0	0	0	0	0

Table 44. Concentration thru Time (Cont.)

TRIAL 013 (CP1-CO1), 21 JAN 71, 14:15:59, FF CMCKE

TIME SECT	CL %C/M**2	CONCENTRATIONS MG/M**3												
		10	9	8	7	6	5	4	3	2	1			
143.4	82	0	1	0	0	0	0	0	0	0	0	0	0	0
144.5	108	0	2	0	0	0	0	0	0	0	0	0	0	0
145.6	55	0	3	0	0	0	0	0	0	0	0	0	0	0
146.6	34	0	2	0	0	0	0	0	0	0	0	0	0	0
147.7	9	0	1	0	0	0	0	0	0	0	0	0	0	0
148.7	5	0	0	0	0	0	0	0	0	0	0	0	0	0
149.8	4	0	2	0	0	0	0	0	0	0	0	0	0	0
150.9	5	0	1	0	0	0	0	0	0	0	0	0	0	0
151.9	2	0	2	0	0	0	0	0	0	0	0	0	0	0
153.0	2	0	2	0	0	0	0	0	0	0	0	0	0	0
154.1	3	0	3	0	0	0	0	0	0	0	0	0	0	0
155.1	2	0	2	0	0	0	0	0	0	0	0	0	0	0
156.2	2	0	2	0	0	0	0	0	0	0	0	0	0	0
157.2	2	0	2	0	0	0	0	0	0	0	0	0	0	0
158.3	1	0	1	0	0	0	0	0	0	0	0	0	0	0
159.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160.4	9	0	0	0	0	0	0	0	0	0	0	0	0	0
161.5	52	0	0	0	0	0	0	0	0	0	0	0	0	0
162.6	27	0	1	0	0	0	0	0	0	0	0	0	0	0
163.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0
164.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165.7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
166.8	20	0	1	0	0	0	0	0	0	0	0	0	0	0
167.9	13	0	0	0	0	0	0	0	0	0	0	0	0	0
168.9	1009	0	0	0	0	0	0	0	0	0	0	0	0	0
170.0	272	0	0	0	0	0	0	0	0	0	0	0	0	0
171.1	70	0	1	0	0	0	0	0	0	0	0	0	0	0
172.1	519	0	0	0	0	0	0	0	0	0	0	0	0	0
173.2	354	0	0	0	0	0	0	0	0	0	0	0	0	0
174.2	1012	8	0	0	0	0	0	0	0	0	0	0	0	0
175.3	652	23	1	0	0	0	0	0	0	0	0	0	0	0
176.4	82	38	0	0	0	0	0	0	0	0	0	0	0	0
177.4	145	43	0	0	0	0	0	0	0	0	0	0	0	0
178.5	311	26	0	0	0	0	0	0	0	0	0	0	0	0
179.6	839	0	1	0	0	0	0	0	0	0	0	0	0	0
180.6	330	0	0	0	0	0	0	0	0	0	0	0	0	0
181.7	929	0	0	0	0	0	0	0	0	0	0	0	0	0
182.7	315	0	0	0	0	0	0	0	0	0	0	0	0	0
183.8	478	0	0	0	0	0	0	0	0	0	0	0	0	0
184.9	463	0	0	0	0	0	0	0	0	0	0	0	0	0
185.9	688	0	0	0	0	0	0	0	0	0	0	0	0	0
187.0	212	0	0	0	0	0	0	0	0	0	0	0	0	0
188.1	70	0	0	0	0	0	0	0	0	0	0	0	0	0
189.1	616	0	0	0	0	0	0	0	0	0	0	0	0	0
190.2	92	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 44. Concentration thru Time (Conc.)

TRIAL E13 (DP1-CD1), 21 JAN 71, 14:15:59, RF SM(KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
191.2	68	0	0	9	58	0	0	0	0	0	0
192.3	290	0	0	6	293	0	0	0	0	0	0
193.4	601	0	0	0	601	0	0	0	0	0	0
194.4	875	0	0	0	875	0	0	0	0	0	0
195.5	1251	0	0	0	1251	0	0	0	0	0	0
196.6	724	13	0	0	711	0	0	0	0	0	0
197.6	213	41	0	0	172	0	0	0	0	0	0
198.7	256	35	0	157	62	0	0	0	0	0	0
199.7	798	23	10	710	53	0	0	0	0	0	0
200.8	1470	45	42	725	556	0	0	0	0	0	0
201.9	1420	0	2	29	1388	0	0	0	0	0	0
202.9	185	7	2	8	167	0	0	0	0	0	0
204.0	180	31	2	0	138	7	0	0	0	0	0
205.1	289	39	0	0	249	0	0	0	0	0	0
206.1	1070	76	1	9	982	0	0	0	0	0	0
207.2	731	51	2	96	580	0	0	0	0	0	0
208.2	558	28	3	440	86	0	0	0	0	0	0
209.3	1023	73	1	639	308	0	0	0	0	0	0
210.4	353	68	0	190	94	0	0	0	0	0	0
211.4	646	97	8	483	57	0	0	0	0	0	0
212.5	1792	111	1105	537	38	0	0	0	0	0	0
213.6	195	34	83	48	29	0	0	0	0	0	0
214.6	199	0	132	32	34	0	0	0	0	0	0
215.7	1420	0	930	392	38	0	0	0	0	0	0
216.7	3671	0	2170	1483	17	0	0	0	0	0	0
217.8	2243	0	1007	1054	181	0	0	0	0	0	0
218.9	1186	0	683	446	56	0	0	0	0	0	0
219.9	314	0	107	199	8	0	0	0	0	0	0
221.0	28	6	2	13	5	0	0	0	0	0	0
222.1	352	28	278	43	2	0	0	0	0	0	0
223.1	1522	73	1433	12	2	0	0	0	0	0	0
224.2	679	56	616	5	0	0	0	0	0	0	0
225.2	543	61	459	23	0	0	0	0	0	0	0
226.3	88	35	50	1	0	0	0	0	0	0	0
227.4	97	18	16	6	55	0	0	0	0	0	0
228.4	40	16	0	3	20	0	0	0	0	0	0
229.5	109	83	9	16	0	0	0	0	0	0	0
230.6	153	145	2	5	0	0	0	0	0	0	0
231.6	143	141	2	0	0	0	0	0	0	0	0
232.7	103	97	3	1	0	0	0	0	0	0	0
233.7	79	78	1	0	0	0	0	0	0	0	0
234.8	93	91	2	0	0	0	0	0	0	0	0
235.9	127	125	2	0	0	0	0	0	0	0	0
236.9	132	130	2	0	0	0	0	0	0	0	0
238.0	51	50	0	0	0	0	0	0	0	0	0

Table 45. Dosage Measurements

TRIAL 014 (DP1-C01), 24 JAN 78, 14:54:00, RP SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (%·MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	.00
4	.00	3.00	.00	.00
5	.00	4.00	.00	28.91
6	.00	5.00	.00	679.20
7	.00	6.00	.00	518.58
8	.00	7.00	.00	199.63
9	.00	8.00	.00	18.36
10	.00	9.00	.00	3.67

DOSAGE ALONG SIGHT LINE= 1448.35 (%·MIN/M\*\*2)

Table 46. Concentration thru Time

TRIAL 314 (DP1-001), 24 JAN 78, 14:53:00, R<sup>2</sup> S40KE

TIME SECS	CL MG/M**3	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.1	1	0	0	0	0	0	0	0	0	0	0	0
3.2	11	0	0	0	0	0	0	0	10	0	0	0
4.3	1	0	0	0	0	0	1	0	0	0	0	0
5.3	0	0	0	0	0	0	0	0	0	0	0	0
6.4	1	0	0	0	0	0	0	0	0	0	0	0
7.5	9	0	0	0	0	0	8	0	0	0	0	0
8.5	11	0	0	0	0	0	10	0	0	0	0	0
9.6	74	0	0	0	0	0	74	0	0	0	0	0
10.6	31	0	0	0	0	0	31	0	0	0	0	0
11.7	41	0	0	0	0	0	41	0	0	0	0	0
12.8	0	0	0	0	0	0	0	0	0	0	0	0
13.8	84	0	0	0	0	0	83	0	0	0	0	0
14.9	31	0	0	0	0	0	29	1	0	0	0	0
15.9	26	0	0	0	0	0	0	25	0	0	0	0
17.0	18	0	0	0	0	0	0	18	0	0	0	0
18.1	0	0	0	0	0	0	0	0	0	0	0	0
19.1	0	0	0	0	0	0	0	0	0	0	0	0
20.2	0	0	0	0	0	0	0	0	0	0	0	0
21.3	0	0	0	0	0	0	0	0	0	0	0	0
22.3	23	0	0	0	0	0	23	0	0	0	0	0
23.4	241	0	0	0	0	0	241	0	0	0	0	0
24.4	45	0	0	0	0	0	10	34	0	0	0	0
25.5	0	0	0	0	0	0	0	0	0	0	0	0
26.6	185	0	0	0	0	0	0	68	116	0	0	0
27.6	237	0	0	0	0	0	0	187	49	0	0	0
28.7	94	0	0	0	0	0	0	93	0	0	0	0
29.8	347	0	0	0	0	0	0	347	0	0	0	0
30.8	473	0	0	0	0	0	0	472	0	0	0	0
31.9	44	0	0	0	0	0	0	44	0	0	0	0
32.9	330	0	0	0	0	0	0	330	0	0	0	0
34.0	333	0	0	0	0	0	0	333	0	0	0	0
35.1	129	0	0	0	0	0	0	128	0	0	0	0
36.1	94	0	0	0	0	0	0	93	0	0	0	0
37.2	243	0	0	0	0	0	0	243	0	0	0	0
38.2	203	0	0	9	0	0	0	203	0	0	0	0
39.3	6	0	0	0	0	0	5	0	0	0	0	0
40.4	94	0	0	0	0	0	94	0	0	0	0	0
41.4	36	0	0	0	0	0	8	27	0	0	0	0
42.5	153	0	0	0	0	0	0	153	0	0	0	0
43.6	88	0	0	0	0	0	0	88	0	0	0	0
44.6	313	0	0	0	0	0	0	313	0	0	0	0
45.7	331	0	0	0	0	0	0	331	0	0	0	0
46.7	158	0	0	0	0	0	0	158	0	0	0	0

Table 46. Concentration thru Time (Cont.)

TRIAL 314 (DPI-001), 21 JAN 78, 14:51:00, 33 S1)4E

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.8	273	0	0	0	0	0	0	273	0	0	0
48.9	982	0	0	0	0	0	0	981	0	0	0
49.9	284	0	0	0	0	0	0	284	0	0	0
51.0	120	0	0	0	0	0	0	120	0	0	0
52.1	367	0	0	0	0	0	0	367	0	0	0
53.1	230	0	0	0	0	0	0	229	0	0	0
54.2	422	0	0	0	0	0	0	421	0	0	0
55.2	935	0	0	0	0	0	0	934	0	0	0
56.3	156	0	0	0	0	0	0	156	0	0	1
57.4	506	0	0	0	0	0	0	504	0	0	0
58.4	619	0	0	0	0	0	0	366	251	0	1
59.5	289	0	0	0	0	0	0	132	156	0	0
60.5	750	0	0	0	0	0	0	746	2	0	0
61.6	257	0	0	0	0	0	0	256	0	0	0
62.7	28	0	0	0	0	0	0	27	0	0	1
63.7	1	0	0	0	0	0	0	0	0	0	1
64.8	0	0	0	0	0	0	0	0	0	0	1
65.9	0	0	0	0	0	0	0	0	0	0	0
66.9	1	0	0	0	0	0	0	0	0	0	0
68.0	66	0	0	0	0	0	0	64	0	0	1
69.0	602	0	0	0	0	0	0	529	72	0	0
70.1	389	0	0	0	0	0	0	328	59	0	2
71.1	579	0	0	0	0	0	0	374	204	0	0
72.2	634	0	0	0	0	0	0	203	430	0	0
73.3	66	0	0	0	0	0	0	0	64	0	1
74.3	102	0	0	0	0	0	0	0	97	2	2
75.4	158	0	0	0	0	0	0	0	155	0	2
76.4	40	0	0	0	0	0	0	0	37	0	2
77.5	1	0	0	0	0	0	0	0	0	0	0
78.5	4	0	0	0	0	0	0	0	3	0	0
79.6	0	0	0	0	0	0	0	0	0	0	0
80.7	8	0	0	0	0	0	0	0	6	0	1
81.7	1	0	0	0	0	0	0	0	0	0	0
82.8	0	0	0	0	0	0	0	0	0	0	0
83.8	49	0	0	0	0	0	0	49	0	0	0
84.9	390	0	0	0	0	0	0	389	0	0	0
86.0	359	0	0	0	0	0	0	358	0	0	0
87.0	1718	0	0	0	0	0	0	1714	3	0	0
88.1	60	0	0	0	0	0	0	45	15	0	0
89.1	22	0	0	0	0	0	0	2	18	0	0
90.2	5	0	0	0	0	0	0	0	5	0	0
91.3	413	0	0	0	0	0	0	412	0	0	1
92.3	695	0	0	0	0	0	0	685	0	0	0
93.4	866	0	0	0	0	0	0	865	0	0	0
94.4	1060	0	0	0	0	0	0	1059	0	0	1

Table 46. Concentration thru Time (Cont.)

TRIAL 114 (D<sup>2</sup>1-QQ1), 24 JAN 79, 14:54:00, R<sup>2</sup> SW)KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
95.5	535	0	0	0	0	0	0	534	0	0	0
96.6	364	0	0	0	0	0	0	364	0	0	0
97.6	191	0	0	0	0	0	0	190	0	0	0
98.7	88	0	0	0	0	0	0	88	0	0	0
99.7	891	0	0	0	0	0	0	891	0	0	0
100.8	572	0	0	0	0	0	0	572	0	0	0
101.9	167	0	0	0	0	0	0	167	0	0	0
102.9	225	0	0	0	0	0	0	225	0	0	0
104.0	185	0	0	0	0	0	0	185	0	0	0
105.0	1036	0	0	0	0	0	0	1036	0	0	0
106.1	844	0	0	0	0	0	0	843	0	0	0
107.1	848	0	0	0	0	0	0	847	0	0	0
108.2	720	0	0	0	0	0	0	720	0	0	0
109.3	301	0	0	0	0	0	0	300	0	0	0
110.3	923	0	0	0	0	0	0	822	0	0	0
111.4	245	0	0	0	0	0	0	212	32	0	0
112.4	2	0	0	0	0	0	0	1	0	0	0
113.5	0	0	0	0	0	0	0	0	0	0	0
114.5	829	0	0	0	0	0	0	829	0	0	0
115.6	275	0	0	0	0	0	0	275	0	0	0
116.6	1090	0	0	0	0	0	0	1090	0	0	0
117.7	987	0	0	0	0	0	0	987	0	0	0
118.7	278	0	0	0	0	0	0	278	0	0	0
119.8	672	0	0	0	0	0	0	672	0	0	0
120.8	30	0	0	0	0	0	0	30	0	0	0
121.9	88	0	0	0	0	0	0	88	0	0	0
123.0	561	0	0	0	0	0	0	561	0	0	0
124.0	501	0	0	0	0	0	0	501	0	0	0
125.1	35	0	0	0	0	0	0	35	0	0	0
126.1	0	0	0	0	0	0	0	0	0	0	0
127.2	0	0	0	0	0	0	0	0	0	0	0
128.2	0	0	0	0	0	0	0	0	0	0	0
129.3	0	0	0	0	0	0	0	0	0	0	0
130.3	417	0	0	0	0	0	0	415	2	0	0
131.4	648	0	0	0	0	0	0	523	124	0	0
132.5	217	0	0	0	0	0	0	214	2	0	0
133.5	3	0	0	0	0	0	0	3	0	0	0
134.6	0	0	0	0	0	0	0	0	0	0	0
135.6	1	0	0	0	0	0	0	0	0	0	0
136.7	1	0	0	0	0	0	0	0	1	0	0
137.7	10	0	0	0	0	0	0	0	9	0	0
138.8	377	0	0	0	0	0	0	0	377	0	0
139.8	123	0	0	0	0	0	0	0	123	0	0
140.9	286	0	0	0	0	0	0	0	285	0	0
141.9	48	0	0	0	0	0	0	0	48	0	0

Table 46. Concentration thru Time (Cont.)

TOTAL 114 (DP1-001), 21 JAN 73, 14:54:00, 23 54:45

TIME SEC	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.0	405	0	0	0	0	0	0	0	405	0	0
144.1	151	0	0	0	0	0	0	0	150	0	0
145.1	125	0	0	0	0	0	0	0	120	4	0
146.2	19	0	0	0	0	0	0	0	1	15	2
147.2	490	0	0	0	0	0	0	0	464	20	5
148.3	690	0	0	0	0	0	0	0	688	1	0
149.3	132	0	0	0	0	0	0	0	121	9	0
150.4	734	0	0	0	0	0	0	0	617	116	0
151.4	656	0	0	0	0	0	0	0	652	3	0
152.5	720	0	0	0	0	0	0	0	717	0	3
153.5	131	0	0	0	0	0	0	0	122	7	0
154.6	102	0	0	0	0	0	0	0	87	15	0
155.6	118	0	0	0	0	0	0	0	96	22	0
156.7	147	0	0	0	0	0	0	0	1	145	0
157.7	76	0	0	0	0	0	0	0	0	75	0
158.8	27	0	0	0	0	0	0	0	0	21	6
159.9	50	0	0	0	0	0	0	0	23	1	25
161.0	66	0	0	0	0	0	0	0	56	0	10
162.0	130	0	0	0	0	0	0	0	128	0	2
163.0	123	0	0	0	0	0	0	0	123	0	0
164.1	270	0	0	0	0	0	0	0	270	0	0
165.1	487	0	0	0	0	0	0	0	487	0	0
166.2	408	0	0	0	0	0	0	0	408	0	0
167.2	74	0	0	0	0	0	0	0	46	27	0
168.3	140	0	0	0	0	0	0	0	0	140	0
169.3	70	0	0	0	0	0	0	0	0	69	1
170.4	73	0	0	0	0	0	0	0	0	69	4
171.5	207	0	0	0	0	0	0	0	197	3	6
172.5	216	0	0	0	0	0	0	0	211	0	4
173.6	462	0	0	0	0	0	0	0	459	0	3
174.6	154	0	0	0	0	0	0	0	154	0	0
175.7	222	0	0	0	0	0	0	0	221	0	0
176.7	51	0	0	0	0	0	0	0	51	0	0
177.8	27	0	0	0	0	0	0	0	23	4	0
178.9	80	0	0	0	0	0	0	0	69	11	0
179.9	787	0	0	0	0	0	0	0	786	1	0
181.0	149	0	0	0	0	0	0	0	149	0	0
182.1	43	0	0	0	0	0	0	0	43	0	0
183.1	124	0	0	0	0	0	0	0	124	0	0
184.2	329	0	0	0	0	0	0	0	329	0	0
185.2	193	0	0	0	0	0	0	0	176	16	0
186.3	26	0	0	0	0	0	0	0	5	20	0
187.3	67	0	0	0	0	0	0	0	0	67	0
188.4	166	0	0	0	0	0	0	0	24	143	0
189.5	276	0	0	0	0	0	0	0	211	44	20

Table 46. Concentration thru Time (Conc.)

TRIAL 114 (DP1-001), 21 JAN 78, 14:54:00, RP 54)KE

TIME SECT	CL 40/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
190.5	179	0	0	0	0	0	0	0	161	0	16
191.6	5	0	0	0	0	0	0	0	2	0	3
192.6	0	0	0	0	0	0	0	0	0	0	0
193.7	0	0	0	0	0	0	0	0	0	0	0
194.7	6	0	0	0	0	0	0	0	0	6	0
195.8	4	0	0	0	0	0	0	0	0	1	1
196.8	3	0	0	0	0	0	0	0	0	2	0
197.9	1	0	0	0	0	0	0	0	0	1	0
198.9	4	0	0	0	0	0	0	0	0	0	3
200.0	5	0	0	0	0	0	0	0	0	7	5
201.1	3	0	0	0	0	0	0	0	1	1	0
202.1	0	0	0	0	0	0	0	0	0	0	0
203.2	0	0	0	0	0	0	0	0	0	0	0
204.3	0	0	0	0	0	0	0	0	0	0	0
205.3	2	0	0	0	0	0	0	0	1	0	0
206.4	0	0	0	0	0	0	0	0	0	0	0
207.4	0	0	0	0	0	0	0	0	0	0	0
208.5	0	0	0	0	0	0	0	0	0	0	0
209.5	0	0	0	0	0	0	0	0	0	0	0
210.6	0	0	0	0	0	0	0	0	0	0	0
211.6	0	0	0	0	0	0	0	0	0	0	0
212.7	0	0	0	0	0	0	0	0	0	0	0
213.8	0	0	0	0	0	0	0	0	0	0	0
214.8	0	0	0	0	0	0	0	0	0	0	0
215.9	0	0	0	0	0	0	0	0	0	0	0
216.9	0	0	0	0	0	0	0	0	0	0	0
218.0	0	0	0	0	0	0	0	0	0	0	0
219.1	0	0	0	0	0	0	0	0	0	0	0
220.1	0	0	0	0	0	0	0	0	0	0	0
221.2	0	0	0	0	0	0	0	0	0	0	0
222.2	0	0	0	0	0	0	0	0	0	0	0
223.3	0	0	0	0	0	0	0	0	0	0	0
224.4	0	0	0	0	0	0	0	0	0	0	0
225.4	0	0	0	0	0	0	0	0	0	0	0
226.5	1	0	0	0	0	0	0	0	0	0	1
227.5	0	0	0	0	0	0	0	0	0	0	0
228.6	0	0	0	0	0	0	0	0	0	0	0
229.6	2	0	0	0	0	0	0	0	0	0	2
230.7	0	0	0	0	0	0	0	0	0	0	0
231.7	0	0	0	0	0	0	0	0	0	0	0
232.8	0	0	0	0	0	0	0	0	0	0	0
233.8	0	0	0	0	0	0	0	0	0	0	0
234.9	1	0	0	0	0	0	0	0	0	0	1
236.0	0	0	0	0	0	0	0	0	0	0	0
237.0	0	0	0	0	0	0	0	0	0	0	0

TRIAL A17

Table 47. Weight Loss thru Time

TN	WN	RW	RT
0.	117.01	0.00	0.00
1.	116.98	0.00	0.00
2.	116.77	0.00	0.01
3.	116.99	0.00	0.01
4.	116.94	0.00	0.01
5.	116.89	0.00	0.01
6.	116.49	-0.02	0.02
7.	119.82	-0.03	0.02
8.	117.40	-0.01	0.02
9.	116.65	0.00	0.02
10.	116.41	0.01	0.03
11.	116.17	0.01	0.03
12.	116.90	0.01	0.03
13.	116.29	0.01	0.03
14.	116.29	0.01	0.04
15.	116.22	0.01	0.04
16.	116.16	0.01	0.04
17.	116.19	0.01	0.04
18.	116.15	0.01	0.05
19.	116.12	0.01	0.05
20.	115.98	0.01	0.05
21.	115.92	0.01	0.05
22.	115.86	0.02	0.06
23.	115.78	0.02	0.06
24.	115.69	0.02	0.06
25.	115.65	0.02	0.06
26.	115.75	0.02	0.07
27.	115.50	0.02	0.07
28.	115.64	0.02	0.07
29.	115.40	0.02	0.07
30.	115.45	0.02	0.08
31.	115.28	0.02	0.08
32.	115.06	0.03	0.08
33.	115.13	0.03	0.08
34.	115.16	0.03	0.09
35.	115.12	0.03	0.09
36.	114.75	0.03	0.09
37.	114.85	0.03	0.09
38.	115.06	0.03	0.10
39.	114.87	0.03	0.10
40.	114.64	0.03	0.10
41.	114.61	0.03	0.10
42.	114.67	0.03	0.11
43.	114.51	0.03	0.11
44.	114.20	0.04	0.11
45.	114.08	0.04	0.11
46.	114.19	0.04	0.12
47.	114.08	0.04	0.12
48.	113.78	0.04	0.12
49.	113.56	0.05	0.12
50.	113.57	0.05	0.13
51.	113.50	0.05	0.13
52.	113.18	0.05	0.13
53.	113.16	0.05	0.13
54.	113.49	0.05	0.14
55.	113.25	0.05	0.14
56.	112.94	0.06	0.14

TRIAL A17

Table 47. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	112.93	0.06	0.14
58.	113.01	0.05	0.15
59.	112.83	0.06	0.15
60.	112.60	0.06	0.15
61.	112.67	0.06	0.15
62.	112.62	0.06	0.16
63.	112.52	0.06	0.16
64.	112.22	0.07	0.16
65.	112.31	0.06	0.16
66.	112.41	0.06	0.17
67.	112.26	0.06	0.17
68.	112.05	0.07	0.17
69.	112.03	0.07	0.17
70.	111.89	0.07	0.18
71.	111.56	0.07	0.18
72.	111.37	0.08	0.18
73.	111.26	0.08	0.18
74.	111.35	0.08	0.19
75.	110.95	0.08	0.19
76.	110.49	0.09	0.19
77.	110.58	0.09	0.19
78.	110.66	0.09	0.20
79.	110.48	0.09	0.20
80.	110.07	0.09	0.20
81.	110.09	0.09	0.21
82.	110.14	0.09	0.21
83.	109.91	0.10	0.21
84.	109.74	0.10	0.21
85.	109.74	0.10	0.22
86.	109.61	0.10	0.22
87.	109.12	0.11	0.22
88.	108.96	0.11	0.22
89.	109.06	0.11	0.23
90.	109.16	0.11	0.23
91.	108.87	0.11	0.23
92.	108.80	0.11	0.23
93.	108.74	0.11	0.24
94.	108.60	0.11	0.24
95.	108.37	0.12	0.24
96.	108.29	0.12	0.24
97.	108.46	0.12	0.25
98.	108.21	0.12	0.25
99.	108.03	0.12	0.25
100.	107.93	0.12	0.25
101.	108.10	0.12	0.26
102.	107.94	0.12	0.26
103.	107.78	0.13	0.26
104.	107.88	0.12	0.26
105.	107.78	0.13	0.27
106.	107.61	0.13	0.27
107.	107.27	0.13	0.27
108.	107.05	0.14	0.27
109.	106.60	0.14	0.28
110.	106.00	0.15	0.28
111.	105.81	0.15	0.28
112.	105.84	0.15	0.28
113.	105.78	0.15	0.29
114.	105.52	0.16	0.29

TRIAL A17

Table 47. Weight Loss thru Time (Cont.)

TN	W <sub>1</sub>	RW	RT
115.	105.52	0.16	0.29
116.	105.59	0.16	0.29
117.	105.53	0.16	0.30
118.	105.40	0.16	0.30
119.	105.36	0.16	0.30
120.	105.37	0.16	0.30
121.	105.16	0.16	0.31
122.	104.80	0.17	0.31
123.	104.29	0.17	0.31
124.	103.96	0.18	0.31
125.	103.50	0.18	0.32
126.	103.16	0.19	0.32
127.	103.29	0.19	0.32
128.	103.31	0.19	0.32
129.	103.12	0.19	0.33
130.	102.99	0.19	0.33
131.	103.03	0.19	0.33
132.	102.93	0.19	0.33
133.	102.39	0.20	0.34
134.	102.19	0.20	0.34
135.	102.23	0.20	0.34
136.	102.10	0.20	0.34
137.	101.97	0.21	0.35
138.	102.00	0.20	0.35
139.	102.05	0.20	0.35
140.	101.97	0.21	0.35
141.	101.80	0.21	0.36
142.	101.72	0.21	0.36
143.	101.41	0.21	0.36
144.	100.55	0.22	0.36
145.	100.12	0.23	0.37
146.	99.62	0.24	0.37
147.	99.28	0.24	0.37
148.	99.09	0.24	0.37
149.	98.92	0.25	0.38
150.	99.04	0.25	0.38
151.	98.87	0.25	0.38
152.	98.70	0.25	0.38
153.	98.80	0.25	0.39
154.	98.82	0.25	0.39
155.	98.73	0.25	0.39
156.	98.62	0.25	0.39
157.	98.61	0.25	0.40
158.	98.62	0.25	0.40
159.	98.42	0.25	0.40
160.	98.40	0.25	0.41
161.	98.11	0.26	0.41
162.	97.72	0.26	0.41
163.	97.08	0.27	0.41
164.	96.35	0.28	0.42
165.	95.71	0.29	0.42
166.	95.45	0.29	0.42
167.	95.20	0.30	0.42
168.	95.15	0.30	0.43
169.	95.09	0.30	0.43
170.	95.12	0.30	0.43
171.	94.89	0.30	0.43
172.	94.98	0.30	0.44

TRIAL A17

Table 47. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	94. 90	0. 30	0. 44
174.	94. 77	0. 30	0. 44
175.	94. 74	0. 30	0. 44
176.	94. 72	0. 30	0. 45
177.	94. 63	0. 31	0. 45
178.	94. 25	0. 31	0. 45
179.	93. 71	0. 32	0. 45
180.	92. 96	0. 33	0. 46
181.	92. 43	0. 34	0. 46
182.	91. 85	0. 34	0. 46
183.	91. 78	0. 34	0. 46
184.	91. 69	0. 35	0. 47
185.	91. 52	0. 35	0. 47
186.	91. 52	0. 35	0. 47
187.	91. 57	0. 35	0. 47
188.	91. 29	0. 35	0. 48
189.	91. 15	0. 35	0. 48
190.	91. 21	0. 35	0. 48
191.	91. 25	0. 35	0. 48
192.	91. 17	0. 35	0. 49
193.	91. 10	0. 35	0. 49
194.	91. 06	0. 35	0. 49
195.	91. 07	0. 35	0. 49
196.	90. 91	0. 36	0. 50
197.	91. 08	0. 35	0. 50
198.	90. 96	0. 36	0. 50
199.	90. 92	0. 36	0. 50
200.	90. 60	0. 36	0. 51
201.	89. 61	0. 37	0. 51
202.	88. 09	0. 39	0. 51
203.	87. 36	0. 40	0. 51
204.	87. 05	0. 41	0. 52
205.	86. 66	0. 41	0. 52
206.	86. 13	0. 42	0. 52
207.	85. 76	0. 43	0. 52
208.	85. 35	0. 43	0. 53
209.	84. 98	0. 44	0. 53
210.	84. 88	0. 44	0. 53
211.	84. 67	0. 44	0. 53
212.	84. 70	0. 44	0. 54
213.	84. 62	0. 44	0. 54
214.	84. 62	0. 44	0. 54
215.	84. 51	0. 44	0. 54
216.	84. 53	0. 44	0. 55
217.	84. 49	0. 44	0. 55
218.	84. 34	0. 45	0. 55
219.	83. 96	0. 45	0. 55
220.	83. 39	0. 46	0. 56
221.	82. 91	0. 47	0. 56
222.	82. 74	0. 47	0. 56
223.	82. 85	0. 47	0. 56
224.	82. 68	0. 47	0. 57
225.	82. 65	0. 47	0. 57
226.	82. 39	0. 47	0. 57
227.	81. 91	0. 48	0. 57
228.	81. 61	0. 48	0. 58
229.	81. 38	0. 49	0. 58
230.	81. 24	0. 49	0. 58

TRIAL #17

Table 47. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	81.22	0.49	0.58
232.	81.12	0.49	0.59
233.	81.04	0.49	0.59
234.	80.99	0.49	0.59
235.	80.98	0.49	0.59
236.	80.95	0.49	0.60
237.	80.81	0.49	0.60
238.	80.87	0.49	0.60
239.	80.85	0.49	0.61
240.	80.75	0.50	0.61
241.	80.73	0.50	0.61
242.	80.29	0.50	0.61
243.	79.50	0.51	0.62
244.	79.10	0.52	0.62
245.	78.98	0.52	0.62
246.	78.80	0.52	0.62
247.	78.64	0.52	0.63
248.	78.17	0.53	0.63
249.	77.59	0.54	0.63
250.	77.18	0.54	0.63
251.	76.85	0.55	0.64
252.	76.30	0.56	0.64
253.	76.09	0.56	0.64
254.	75.77	0.56	0.64
255.	75.35	0.57	0.65
256.	75.11	0.57	0.65
257.	74.94	0.57	0.65
258.	74.55	0.58	0.65
259.	74.22	0.58	0.66
260.	73.87	0.59	0.66
261.	73.62	0.59	0.66
262.	73.23	0.60	0.66
263.	72.27	0.61	0.67
264.	71.57	0.62	0.67
265.	71.01	0.63	0.67
266.	70.34	0.64	0.67
267.	69.98	0.64	0.68
268.	69.60	0.65	0.68
269.	69.37	0.65	0.68
270.	69.09	0.65	0.68
271.	68.73	0.66	0.69
272.	68.34	0.66	0.69
273.	67.90	0.67	0.69
274.	67.77	0.67	0.69
275.	67.44	0.68	0.70
276.	67.15	0.68	0.70
277.	66.83	0.69	0.70
278.	66.65	0.69	0.70
279.	66.46	0.69	0.71
280.	66.12	0.70	0.71
281.	65.95	0.70	0.71
282.	65.63	0.70	0.71
283.	65.39	0.71	0.72
284.	65.11	0.71	0.72
285.	64.87	0.71	0.72
286.	64.71	0.71	0.72
287.	64.37	0.72	0.73
288.	63.55	0.73	0.73

TRIAL A17

Table 47. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
289.	62.83	0.74	0.73
290	62.28	0.75	0.73
291.	61.65	0.76	0.74
292.	61.34	0.76	0.74
293.	61.03	0.76	0.74
294.	60.76	0.77	0.74
295.	60.51	0.77	0.75
296	60.31	0.77	0.75
297.	60.06	0.78	0.75
298.	59.84	0.78	0.75
299.	59.66	0.78	0.76
300.	59.47	0.79	0.76
301.	59.27	0.79	0.76
302.	59.00	0.79	0.76
303.	58.96	0.79	0.77
304.	58.74	0.80	0.77
305.	58.58	0.80	0.77
306.	58.42	0.80	0.77
307.	58.32	0.80	0.78
308.	58.13	0.80	0.78
309.	57.86	0.81	0.78
310.	57.67	0.81	0.78
311.	57.03	0.82	0.79
312.	56.47	0.83	0.79
313.	56.19	0.83	0.79
314.	56.01	0.83	0.79
315.	55.84	0.84	0.80
316.	55.54	0.84	0.80
317.	55.48	0.84	0.80
318.	55.44	0.84	0.81
319.	55.30	0.84	0.81
320.	55.17	0.84	0.81
321.	55.14	0.84	0.81
322.	55.08	0.85	0.82
323.	55.03	0.85	0.82
324.	55.02	0.85	0.82
325.	54.89	0.85	0.82
326.	54.83	0.85	0.83
327.	54.80	0.85	0.83
328.	54.83	0.85	0.83
329.	54.78	0.85	0.83
330.	54.78	0.85	0.84
331.	54.81	0.85	0.84
332.	54.77	0.85	0.84
333.	54.81	0.85	0.84
334.	54.67	0.85	0.85
335.	54.80	0.85	0.85
336.	54.89	0.85	0.85
337.	54.83	0.85	0.85
338.	54.72	0.85	0.86
339.	54.78	0.85	0.86
340.	54.76	0.85	0.86
341.	54.76	0.85	0.86
342.	54.88	0.86	0.87
343.	53.71	0.86	0.87
344.	53.29	0.87	0.87
345.	52.98	0.87	0.87
346.	52.65	0.88	0.88

TRIAL A17

Table 47. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
347.	52.92	0.88	0.86
348.	52.06	0.89	0.86
349.	51.80	0.89	0.86
350.	51.67	0.89	0.89
351.	51.48	0.89	0.89
352.	51.15	0.90	0.89
353.	50.95	0.90	0.89
354.	50.73	0.91	0.90
355.	50.51	0.91	0.90
356.	50.31	0.91	0.90
357.	50.06	0.91	0.90
358.	49.96	0.92	0.91
359.	49.61	0.92	0.91
360.	49.44	0.92	0.91
361.	49.21	0.93	0.91
362.	48.99	0.93	0.92
363.	48.95	0.93	0.92
364.	48.52	0.94	0.92
365.	48.31	0.94	0.92
366.	48.21	0.94	0.93
367.	47.92	0.94	0.93
368.	47.73	0.95	0.93
369.	47.48	0.95	0.93
370.	47.30	0.95	0.94
371.	47.07	0.96	0.94
372.	46.91	0.96	0.94
373.	46.67	0.96	0.94
374.	46.51	0.96	0.95
375.	46.36	0.96	0.95
376.	46.20	0.97	0.95
377.	46.07	0.97	0.95
378.	45.86	0.97	0.96
379.	45.60	0.98	0.96
380.	45.47	0.98	0.96
381.	45.35	0.98	0.96
382.	45.18	0.98	0.97
383.	45.05	0.98	0.97
384.	44.97	0.98	0.97
385.	44.85	0.99	0.97
386.	44.75	0.99	0.98
387.	44.58	0.99	0.98
388.	44.46	0.99	0.98
389.	44.32	0.99	0.98
390.	44.31	0.99	0.99
391.	44.17	0.99	0.99
392.	44.05	1.00	0.99
393.	44.04	1.00	0.99
394.	43.92	1.00	1.00
395.	43.79	1.00	1.00

TRIAL A18

Table 48. Weight Loss thru Time

TN	WN	RW	RT
0.	116.79	0.00	0.00
1.	116.64	0.00	0.00
2.	117.03	-0.00	0.01
3.	116.81	-0.00	0.01
4.	116.79	0.00	0.01
5.	116.80	-0.00	0.01
6.	116.75	0.00	0.02
7.	116.67	0.00	0.02
8.	116.80	-0.00	0.02
9.	116.57	0.00	0.03
10.	116.65	0.00	0.03
11.	116.63	0.00	0.03
12.	116.63	0.00	0.04
13.	116.53	0.00	0.04
14.	116.46	0.00	0.04
15.	116.58	0.00	0.04
16.	116.48	0.00	0.04
17.	116.42	0.01	0.05
18.	116.30	0.01	0.05
19.	116.36	0.01	0.05
20.	116.26	0.01	0.06
21.	116.28	0.01	0.06
22.	116.03	0.01	0.06
23.	116.03	0.01	0.07
24.	115.90	0.01	0.07
25.	115.77	0.01	0.07
26.	115.77	0.01	0.07
27.	115.82	0.01	0.08
28.	115.81	0.01	0.08
29.	115.62	0.02	0.09
30.	115.66	0.02	0.09
31.	115.65	0.02	0.09
32.	115.47	0.02	0.09
33.	115.35	0.02	0.10
34.	115.33	0.02	0.10
35.	115.19	0.02	0.10
36.	115.01	0.03	0.11
37.	114.95	0.03	0.11
38.	114.89	0.03	0.11
39.	114.80	0.03	0.12
40.	114.71	0.03	0.12
41.	114.81	0.03	0.12
42.	114.71	0.03	0.12
43.	114.55	0.03	0.13
44.	114.51	0.03	0.13
45.	114.56	0.03	0.13
46.	114.23	0.04	0.14
47.	114.11	0.04	0.14
48.	114.20	0.04	0.14
49.	114.11	0.04	0.15
50.	113.80	0.04	0.15
51.	113.70	0.05	0.15
52.	113.70	0.05	0.15
53.	113.40	0.05	0.16
54.	113.31	0.05	0.16
55.	113.35	0.05	0.16
56.	113.17	0.05	0.17

TRIAL A12

Table 48. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	112.99	0.06	0.17
58.	113.00	0.06	0.17
59.	113.01	0.06	0.18
60.	112.76	0.06	0.18
61.	112.67	0.06	0.18
62.	112.63	0.06	0.18
63.	112.50	0.06	0.19
64.	112.23	0.07	0.19
65.	112.36	0.06	0.19
66.	112.17	0.07	0.20
67.	111.96	0.07	0.20
68.	111.69	0.07	0.20
69.	111.72	0.07	0.20
70.	111.53	0.08	0.21
71.	111.46	0.08	0.21
72.	111.51	0.06	0.21
73.	111.39	0.08	0.22
74.	111.09	0.08	0.22
75.	110.96	0.09	0.22
76.	110.89	0.09	0.23
77.	110.66	0.09	0.23
78.	110.77	0.09	0.23
79.	110.65	0.09	0.23
80.	110.22	0.10	0.24
81.	109.94	0.10	0.24
82.	110.11	0.10	0.24
83.	109.99	0.10	0.25
84.	109.84	0.10	0.25
85.	109.80	0.10	0.25
86.	109.71	0.10	0.26
87.	109.38	0.11	0.26
88.	109.25	0.11	0.26
89.	109.13	0.11	0.26
90.	108.84	0.12	0.27
91.	108.57	0.12	0.27
92.	108.53	0.12	0.27
93.	108.57	0.12	0.28
94.	108.41	0.12	0.28
95.	108.36	0.12	0.28
96.	108.33	0.12	0.28
97.	108.29	0.12	0.29
98.	108.11	0.13	0.29
99.	108.05	0.13	0.29
100.	107.90	0.13	0.30
101.	107.79	0.13	0.30
102.	107.75	0.13	0.30
103.	107.71	0.13	0.31
104.	107.67	0.14	0.31
105.	107.27	0.14	0.31
106.	106.76	0.15	0.31
107.	106.96	0.15	0.32
108.	106.07	0.16	0.32
109.	106.00	0.16	0.32
110.	106.01	0.16	0.33
111.	105.85	0.16	0.33
112.	105.78	0.16	0.33
113.	105.65	0.16	0.34
114.	105.68	0.16	0.34

TRIAL A16

Table 48. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	105. 56	0. 16	0. 34
116.	105. 59	0. 16	0. 34
117.	105. 58	0. 16	0. 35
118.	105. 51	0. 16	0. 35
119.	105. 35	0. 17	0. 35
120.	105. 42	0. 17	0. 36
121.	105. 32	0. 17	0. 36
122.	105. 27	0. 17	0. 36
123.	105. 22	0. 17	0. 36
124.	105. 11	0. 17	0. 37
125.	104. 81	0. 18	0. 37
126.	104. 66	0. 18	0. 37
127.	104. 38	0. 18	0. 38
128.	103. 96	0. 19	0. 38
129.	103. 54	0. 19	0. 38
130.	103. 07	0. 20	0. 39
131.	102. 63	0. 21	0. 39
132.	102. 47	0. 21	0. 39
133.	102. 44	0. 21	0. 39
134.	102. 54	0. 21	0. 40
135.	102. 24	0. 21	0. 40
136.	102. 24	0. 21	0. 40
137.	102. 30	0. 21	0. 41
138.	102. 18	0. 21	0. 41
139.	102. 08	0. 22	0. 41
140.	102. 14	0. 21	0. 42
141.	101. 99	0. 22	0. 42
142.	101. 96	0. 22	0. 42
143.	101. 99	0. 22	0. 42
144.	101. 98	0. 22	0. 43
145.	101. 83	0. 22	0. 43
146.	101. 85	0. 22	0. 43
147.	101. 83	0. 22	0. 44
148.	101. 75	0. 22	0. 44
149.	101. 69	0. 22	0. 44
150.	101. 73	0. 22	0. 45
151.	101. 61	0. 22	0. 45
152.	101. 57	0. 22	0. 45
153.	101. 52	0. 22	0. 45
154.	101. 56	0. 22	0. 46
155.	101. 48	0. 22	0. 46
156.	101. 44	0. 22	0. 46
157.	101. 44	0. 22	0. 47
158.	101. 35	0. 23	0. 47
159.	101. 06	0. 23	0. 47
160.	100. 00	0. 25	0. 47
161.	98. 61	0. 27	0. 48
162.	97. 76	0. 28	0. 48
163.	97. 20	0. 29	0. 48
164.	96. 88	0. 29	0. 49
165.	96. 52	0. 30	0. 49
166.	96. 13	0. 30	0. 49
167.	96. 05	0. 30	0. 50
168.	95. 77	0. 31	0. 50
169.	95. 73	0. 31	0. 50
170.	95. 49	0. 31	0. 50
171.	95. 39	0. 31	0. 51
172.	95. 27	0. 31	0. 51

TRIAL A18

Table 48. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	95.25	0.32	0.51
174.	95.22	0.32	0.52
175.	95.21	0.32	0.52
176.	95.14	0.32	0.52
177.	95.08	0.32	0.53
178.	95.13	0.32	0.53
179.	94.99	0.32	0.53
180.	94.64	0.32	0.53
181.	93.94	0.33	0.54
182.	93.42	0.34	0.54
183.	93.01	0.35	0.54
184.	92.80	0.35	0.55
185.	92.52	0.36	0.55
186.	92.18	0.36	0.55
187.	92.02	0.36	0.55
188.	91.81	0.37	0.56
189.	91.78	0.37	0.56
190.	91.66	0.37	0.56
191.	91.64	0.37	0.57
192.	91.65	0.37	0.57
193.	91.57	0.37	0.57
194.	91.46	0.37	0.58
195.	90.76	0.38	0.58
196.	90.46	0.39	0.58
197.	90.01	0.39	0.58
198.	89.57	0.40	0.59
199.	88.58	0.41	0.59
200.	87.91	0.42	0.59
201.	87.58	0.43	0.60
202.	86.98	0.44	0.60
203.	86.57	0.44	0.60
204.	86.39	0.44	0.61
205.	86.00	0.45	0.61
206.	85.67	0.46	0.61
207.	85.45	0.46	0.61
208.	85.26	0.46	0.62
209.	84.81	0.47	0.62
210.	84.39	0.47	0.62
211.	83.81	0.48	0.63
212.	83.25	0.49	0.63
213.	82.83	0.50	0.63
214.	82.45	0.50	0.64
215.	82.28	0.50	0.64
216.	81.94	0.51	0.64
217.	81.46	0.52	0.64
218.	81.27	0.52	0.65
219.	80.77	0.53	0.65
220.	80.17	0.54	0.65
221.	79.58	0.54	0.66
222.	79.15	0.55	0.66
223.	78.80	0.56	0.66
224.	78.50	0.56	0.66
225.	78.03	0.57	0.67
226.	77.83	0.57	0.67
227.	77.39	0.58	0.67
228.	77.05	0.58	0.68
229.	76.62	0.59	0.68
230.	76.05	0.60	0.68

TRIAL A18

Table 48. Weight Loss thru Time (Cont.)

TN	WN	RU	RT
231.	75. 32	0. 61	0. 69
232.	74. 65	0. 61	0. 69
233.	74. 56	0. 62	0. 69
234.	74. 17	0. 62	0. 69
235.	73. 80	0. 63	0. 70
236.	73. 69	0. 63	0. 70
237.	73. 14	0. 64	0. 70
238.	72. 90	0. 64	0. 71
239.	72. 24	0. 65	0. 71
240.	71. 49	0. 66	0. 71
241.	71. 06	0. 67	0. 72
242.	70. 67	0. 67	0. 72
243.	70. 40	0. 68	0. 72
244.	70. 10	0. 68	0. 72
245.	69. 55	0. 69	0. 73
246.	68. 83	0. 70	0. 73
247.	69. 68	0. 71	0. 73
248.	67. 91	0. 71	0. 74
249.	67. 56	0. 72	0. 74
250.	67. 24	0. 72	0. 74
251.	66. 90	0. 73	0. 74
252.	66. 68	0. 73	0. 75
253.	66. 33	0. 74	0. 75
254.	66. 12	0. 74	0. 75
255.	65. 79	0. 75	0. 76
256.	65. 59	0. 75	0. 76
257.	65. 26	0. 75	0. 76
258.	64. 99	0. 76	0. 77
259.	64. 02	0. 77	0. 77
260.	63. 56	0. 78	0. 77
261.	62. 96	0. 79	0. 77
262.	62. 61	0. 79	0. 78
263.	62. 03	0. 80	0. 78
264.	61. 71	0. 81	0. 78
265.	61. 19	0. 81	0. 79
266.	60. 60	0. 82	0. 79
267.	60. 32	0. 83	0. 79
268.	60. 10	0. 83	0. 80
269.	59. 65	0. 84	0. 80
270.	59. 26	0. 84	0. 80
271.	58. 92	0. 85	0. 80
272.	58. 78	0. 85	0. 81
273.	58. 54	0. 85	0. 81
274.	58. 42	0. 85	0. 81
275.	58. 31	0. 86	0. 82
276.	58. 15	0. 86	0. 82
277.	58. 13	0. 86	0. 82
278.	58. 10	0. 86	0. 82
279.	57. 93	0. 86	0. 83
280.	57. 72	0. 86	0. 83
281.	57. 66	0. 86	0. 83
282.	57. 74	0. 86	0. 84
283.	57. 57	0. 87	0. 84
284.	57. 65	0. 86	0. 84
285.	57. 63	0. 87	0. 85
286.	57. 61	0. 87	0. 85
287.	57. 54	0. 87	0. 85
288.	57. 59	0. 87	0. 85

TRIAL NO

Table 48. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
289.	57.59	0.87	0.86
290.	57.62	0.87	0.86
291.	57.53	0.87	0.86
292.	57.59	0.87	0.87
293.	57.50	0.87	0.87
294.	57.54	0.87	0.87
295.	57.65	0.86	0.88
296.	57.56	0.87	0.88
297.	57.53	0.87	0.88
298.	57.22	0.87	0.88
299.	56.75	0.88	0.89
300.	56.33	0.88	0.89
301.	56.04	0.89	0.89
302.	55.78	0.89	0.90
303.	55.37	0.90	0.90
304.	55.13	0.90	0.90
305.	54.81	0.91	0.91
306.	54.72	0.91	0.91
307.	54.31	0.91	0.91
308.	54.05	0.92	0.91
309.	53.84	0.92	0.92
310.	53.55	0.92	0.92
311.	53.22	0.93	0.92
312.	53.05	0.93	0.93
313.	52.73	0.94	0.93
314.	52.51	0.94	0.93
315.	52.26	0.94	0.93
316.	51.95	0.95	0.94
317.	51.74	0.95	0.94
318.	51.52	0.95	0.94
319.	51.28	0.96	0.95
320.	51.08	0.96	0.95
321.	50.73	0.97	0.95
322.	50.55	0.97	0.96
323.	50.36	0.97	0.96
324.	50.20	0.97	0.96
325.	49.97	0.98	0.96
326.	49.87	0.98	0.97
327.	49.59	0.98	0.97
328.	49.47	0.98	0.97
329.	49.37	0.99	0.98
330.	49.23	0.99	0.98
331.	49.03	0.99	0.98
332.	48.93	0.99	0.99
333.	48.83	0.99	0.99
334.	48.69	1.00	0.99
335.	48.64	1.00	0.99
336.	48.52	1.00	1.00
337.	48.42	1.00	1.00

Table 49. Dosage Measurements

TRIAL 012 (DF1-001), 24 JAN 76, 13:53:00, RE SMOKE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSEAGE (MC.MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	20.86
4	.00	3.00	.00	405.82
5	.00	4.00	.00	646.81
6	.00	5.00	.00	412.08
7	.00	6.00	.00	144.49
8	.00	7.00	.00	11.48
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSEAGE ALONG SIGHT LINE= 1641.54 (MC.MIN/M\*\*2)

Table 50. Concentration thru Time

TRIAL E12 (DPI-ED1), 26 JAN 78, 13:53:00, RP 100K

TIME SECC	CL PC/M**2	10	9	8	7	6	5	4	3	2	1
0.0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0
2.2	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0
4.3	1	0	0	0	0	0	0	0	0	0	0
5.3	0	0	0	0	0	0	0	0	0	0	0
6.3	15	0	0	0	0	0	0	0	0	0	0
7.4	4	0	0	0	0	0	12	2	0	0	0
8.4	9	0	0	0	0	0	3	0	0	0	0
9.5	2	0	0	0	0	0	0	9	0	0	0
10.5	19	0	0	0	0	0	0	2	0	0	0
11.5	186	0	0	0	0	0	18	0	0	0	0
12.7	283	0	0	0	0	0	186	0	0	0	0
13.7	39	0	0	0	0	0	283	0	0	0	0
14.9	4	0	0	0	0	0	39	0	0	0	0
15.9	0	0	0	0	0	0	4	0	0	0	0
16.9	0	0	0	0	0	0	0	0	0	0	0
18.0	67	0	0	0	0	0	0	0	0	0	0
19.0	19	0	0	0	0	0	0	57	0	0	0
20.1	113	0	0	0	0	0	0	19	0	0	0
21.2	115	0	0	0	0	0	0	113	0	0	0
22.2	101	0	0	0	0	0	0	115	0	0	0
23.3	73	0	0	0	0	0	0	101	0	0	0
24.3	9	0	0	0	0	0	8	64	0	0	0
25.4	21	0	0	0	0	0	9	0	0	0	0
26.5	46	0	0	0	0	0	0	21	0	0	0
27.5	75	0	0	0	0	0	0	46	0	0	0
28.6	47	0	0	0	0	0	0	75	0	0	0
29.7	28	0	0	0	0	0	0	44	0	0	0
30.7	0	0	0	0	0	0	0	14	34	0	0
31.8	21	0	0	0	0	0	0	0	0	21	0
32.8	42	0	0	0	0	0	0	0	0	42	0
33.9	19	0	0	0	0	0	0	0	0	19	0
35.0	33	0	0	0	0	0	0	34	4	0	0
36.0	82	0	0	0	0	0	0	52	29	0	0
37.1	25	0	0	0	0	0	0	15	10	0	0
38.2	18	0	0	0	0	0	0	15	3	0	0
39.2	769	0	0	0	0	0	0	769	0	0	0
40.3	476	0	0	0	0	0	0	476	0	0	0
41.3	347	0	0	0	0	0	0	347	0	0	0
42.4	64	0	0	0	0	0	0	64	0	0	0
43.5	0	0	0	0	0	0	0	0	0	0	0
44.5	92	0	0	0	0	0	92	0	0	0	0
45.6	203	0	0	0	0	0	203	0	0	0	0
46.7	36	0	0	0	0	2	36	0	0	0	0

Table 50. Concentration thru Time (Cont.)

TRIAL E12 (DP1-CC1), 24 JAN 78, 13:53:00, RF SP (VE

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
47.7	230	C	0	0	0	C	230	C	C	0	C
48.8	49	0	0	0	0	1	48	0	0	0	0
49.8	93	C	0	0	0	2	91	C	C	0	0
50.9	161	0	0	0	0	0	161	0	0	0	0
52.0	C	C	0	0	0	C	0	C	C	0	0
53.0	88	0	0	0	0	0	88	0	0	0	0
54.1	703	0	0	0	0	C	703	C	C	0	0
55.1	103	0	0	0	0	0	103	0	0	0	0
56.2	184	0	0	0	0	C	184	C	0	0	0
57.2	31	0	0	0	0	3	28	0	0	0	0
58.2	C	C	0	0	0	C	C	C	0	0	0
59.3	2	0	0	0	0	1	0	0	0	0	0
60.4	88	C	0	0	0	C	88	C	0	0	0
61.5	36	0	0	0	0	0	36	0	0	0	0
62.5	C	0	0	0	0	C	0	C	0	0	0
63.6	9	0	0	0	0	0	9	0	0	0	0
64.7	141	C	0	0	0	0	141	C	0	0	0
65.7	172	0	0	0	0	0	172	0	0	0	0
66.8	6	0	0	0	0	C	6	C	0	0	0
67.8	214	0	0	0	0	0	214	0	0	0	0
68.9	180	0	0	0	0	C	180	C	0	0	0
70.0	227	0	0	0	0	0	227	0	0	0	0
71.0	236	C	0	0	0	0	236	C	0	0	0
72.1	84	0	0	0	0	0	84	0	0	0	0
73.1	188	0	0	0	0	C	C	188	0	0	0
74.2	6	0	0	0	0	0	0	6	0	0	0
75.2	228	0	0	0	0	C	228	C	0	0	0
76.3	83	0	0	0	0	0	83	0	0	0	0
77.4	203	C	0	0	0	C	203	C	0	0	0
78.5	161	0	0	0	0	0	161	0	0	0	0
79.5	132	C	0	0	0	C	132	C	0	0	0
80.5	410	0	0	0	0	0	410	0	0	0	0
81.6	196	0	0	0	0	C	196	C	0	0	0
82.6	25	0	0	0	0	0	25	0	0	0	0
83.7	6	0	0	0	0	C	6	C	0	0	0
84.8	26	0	0	0	0	0	0	25	0	0	0
85.8	118	0	0	0	0	C	118	C	0	0	0
86.8	181	0	0	0	0	0	181	0	0	0	0
87.8	60	C	0	0	0	C	60	C	0	0	0
88.9	252	0	0	0	0	1	250	0	0	0	0
90.0	58	0	0	0	0	6	52	C	0	0	0
91.0	30	0	0	0	30	0	0	0	0	0	0
92.1	52	C	C	0	45	7	C	0	0	0	0
93.1	342	0	0	0	4	0	337	0	0	0	0
94.2	17	0	0	C	0	C	17	C	0	0	0

Table 50. Concentration thru Time (Cont.)

TRIAL: E12 (DF1-CC1), 24 JAN 78, 13:50:00, OF 5045

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
95.2	32	0	0	0	0	0	39	0	0	0	0
96.3	164	0	0	0	0	0	164	0	0	0	0
97.4	86	0	0	0	0	0	86	0	0	0	0
98.4	104	0	0	0	0	0	104	0	0	0	0
99.5	32	0	0	0	0	0	22	10	0	0	0
100.6	150	0	0	0	0	0	130	20	0	0	0
101.6	291	0	0	0	0	2	289	0	0	0	0
102.7	12	0	0	0	0	1	11	0	0	0	0
103.7	1	0	0	0	0	1	0	0	0	0	0
104.8	5	0	0	0	0	5	0	0	0	0	0
105.8	17	0	0	0	13	0	0	0	0	0	0
106.9	7	0	0	0	7	0	0	0	0	0	0
107.9	8	0	0	0	0	8	0	0	0	0	0
109.0	1	0	0	0	0	1	0	0	0	0	0
110.1	72	0	0	0	0	0	72	0	0	0	0
111.1	0	0	0	0	0	0	0	0	0	0	0
112.1	1	0	0	0	0	1	0	0	0	0	0
113.2	0	0	0	0	0	0	0	0	0	0	0
114.2	12	0	0	0	0	0	0	0	0	0	0
115.3	420	0	0	0	0	0	420	0	0	0	0
116.4	302	0	0	0	0	0	302	0	0	0	0
117.4	453	0	0	0	0	0	453	0	0	0	0
118.5	188	0	0	0	0	0	188	0	0	0	0
119.6	10	0	0	0	0	0	10	0	0	0	0
120.6	15	0	0	0	0	0	15	0	0	0	0
121.6	129	0	0	0	0	0	129	0	0	0	0
122.7	293	0	0	0	0	0	293	0	0	0	0
123.7	68	0	0	0	0	1	67	0	0	0	0
124.7	1	0	0	0	0	0	1	0	0	0	0
125.9	60	0	0	0	0	0	60	0	0	0	0
126.9	370	0	0	0	0	0	369	0	0	0	0
127.9	493	0	0	0	0	0	493	0	0	0	0
129.0	426	0	0	0	0	0	426	0	0	0	0
130.0	152	0	0	0	0	0	152	0	0	0	0
131.1	688	0	0	0	0	0	688	0	0	0	0
132.1	736	0	0	0	0	0	736	0	0	0	0
133.1	64	0	0	0	0	0	64	0	0	0	0
134.2	79	0	0	0	0	0	79	0	0	0	0
135.2	448	0	0	0	0	0	448	0	0	0	0
136.2	1074	0	0	0	0	0	1074	0	0	0	0
137.7	1126	0	0	0	0	0	1126	0	0	0	0
139.4	65	0	0	0	0	0	65	0	0	0	0
139.4	150	0	0	0	0	0	150	0	0	0	0
140.4	287	0	0	0	0	8	279	0	0	0	0
141.5	17	0	0	0	0	13	3	0	0	0	0

Table 50. Concentration thru Time (Cont.)

TRIAL E12 (DP1-CC1), 24 JAN 76, 13:52:00, RF CYCLE

TIME SECS	CL KC/M**2	CONCENTRATIONS KC/M**3									
		10	9	8	7	6	5	4	3	2	1
142.6	22	0	0	0	4	18	0	0	0	0	0
143.6	46	0	0	0	0	0	46	0	0	0	0
144.7	97	0	0	0	0	0	97	0	0	0	0
145.8	131	0	0	0	0	0	131	0	0	0	0
146.8	299	0	0	0	0	0	299	0	0	0	0
147.9	36	0	0	0	0	1	34	0	0	0	0
148.9	49	0	0	0	0	1	47	0	0	0	0
150.0	212	0	0	0	0	0	212	0	0	0	0
151.0	43	0	0	0	0	2	40	0	0	0	0
152.1	59	0	0	0	53	2	2	0	0	0	0
153.1	15	0	0	0	13	1	0	0	0	0	0
154.2	0	0	0	0	0	0	0	0	0	0	0
155.7	537	0	0	0	336	7	194	0	0	0	0
156.3	152	0	0	0	139	7	5	0	0	0	0
157.4	203	0	0	0	2	7	192	0	0	0	0
158.4	162	0	0	0	10	2	149	0	0	0	0
159.5	14	0	0	0	10	3	1	0	0	0	0
160.6	13	0	0	0	0	2	9	0	0	0	0
161.6	25	0	0	0	0	0	25	0	0	0	0
162.7	42	0	0	0	0	0	42	0	0	0	0
163.8	125	0	0	0	0	0	125	0	0	0	0
164.8	161	0	0	0	0	0	161	0	0	0	0
165.8	10	0	0	0	0	0	10	0	0	0	0
166.9	0	0	0	0	0	0	0	0	0	0	0
167.9	0	0	0	0	0	0	0	0	0	0	0
169.0	5	0	0	0	0	0	4	0	0	0	0
170.1	3049	0	0	0	0	0	1	3048	0	0	0
171.1	31	0	0	0	0	0	0	31	0	0	0
172.2	0	0	0	0	0	0	0	0	0	0	0
173.3	512	0	0	0	0	0	0	512	0	0	0
174.3	49	0	0	0	0	0	0	49	0	0	0
175.4	97	0	0	0	0	0	0	97	0	0	0
176.4	168	0	0	0	0	0	0	168	0	0	0
177.4	89	0	0	0	0	0	0	89	0	0	0
178.5	309	0	0	0	0	0	304	5	0	0	0
179.6	173	0	0	0	0	0	172	0	0	0	0
180.6	16	0	0	0	0	0	16	0	0	0	0
181.6	45	0	0	0	0	0	0	45	0	0	0
182.7	23	0	0	0	0	0	0	20	2	0	0
183.8	0	0	0	0	0	0	0	0	0	0	0
184.8	0	0	0	0	0	0	0	0	0	0	0
185.9	153	0	0	0	0	0	0	153	0	0	0
186.9	719	0	0	0	0	0	0	700	19	0	0
189.0	364	0	0	0	0	0	0	356	8	0	0
189.1	538	0	0	0	0	0	0	445	93	0	0

Table 50. Concentration thru Time (Cont.)

TRIAL 032 (TSP1-001), 24 JAN 76, 13:53:00, RP SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**2									
		10	9	8	7	6	5	4	3	2	1
190.1	129	0	0	0	0	0	74	42	13	0	0
191.2	297	0	0	0	0	0	297	0	0	0	0
192.7	207	0	0	0	0	0	207	0	0	0	0
193.3	963	0	0	0	0	0	963	0	0	0	0
194.4	391	0	0	0	0	0	391	0	0	0	0
195.4	326	0	0	0	0	0	326	0	0	0	0
196.5	803	0	0	0	0	0	803	0	0	0	0
197.6	1332	0	0	0	0	0	1332	0	0	0	0
198.6	191	0	0	0	0	0	191	0	0	0	0
199.7	977	0	0	0	0	0	977	0	0	0	0
200.8	444	0	0	0	0	0	444	0	0	0	0
201.8	43	0	0	0	0	0	43	0	0	0	0
202.9	39	0	0	0	0	0	39	0	0	0	0
207.9	9	0	0	0	0	0	9	0	0	0	0
208.0	0	0	0	0	0	0	0	0	0	0	0
209.0	2	0	0	0	0	0	0	2	0	0	0
207.1	165	0	0	0	0	0	0	165	0	0	0
209.1	70	0	0	0	0	0	0	70	0	0	0
209.1	19	0	0	0	0	0	0	19	0	0	0
210.2	3	0	0	0	0	0	0	3	0	0	0
211.3	282	0	0	0	0	0	0	282	62	0	0
212.7	440	0	0	0	0	0	0	316	123	0	0
213.4	294	0	0	0	0	0	0	270	24	0	0
214.5	182	0	0	0	0	0	0	171	10	0	0
215.5	573	0	0	0	0	0	0	571	2	0	0
216.5	168	0	0	0	0	0	0	48	120	0	0
217.6	86	0	0	0	0	0	0	49	37	0	0
218.6	25	0	0	0	0	0	0	24	0	0	0
219.6	13	0	0	0	0	0	0	13	0	0	0
220.7	52	0	0	0	0	0	0	52	0	0	0
221.8	2	0	0	0	0	0	0	2	0	0	0
222.9	61	0	0	0	0	0	0	61	0	0	0
223.9	0	0	0	0	0	0	0	0	0	0	0
224.9	120	0	0	0	0	0	120	0	0	0	0
226.0	502	0	0	0	0	0	502	0	0	0	0
227.1	180	0	0	0	0	0	180	0	0	0	0
228.1	3	0	0	0	0	0	3	0	0	0	0
229.1	7	0	0	0	0	0	7	0	0	0	0
230.2	1	0	0	0	0	0	0	1	0	0	0
231.3	3	0	0	0	0	0	0	1	2	0	0
232.3	0	0	0	0	0	0	0	0	0	0	0
233.4	0	0	0	0	0	0	0	0	0	0	0
234.4	4	0	0	0	0	0	4	0	0	0	0
235.5	2	0	0	0	0	0	2	0	0	0	0
236.6	0	0	0	0	0	0	0	0	0	0	0

Table 50. Concentration thru Time (Cont.)

TRIAL 002 (DF1-001), 24 JAN 71, 13:52:00, RP SMOKE

TIME SECS	CL %M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
237.6	0	0	0	0	0	0	0	0	0	0	0
238.7	26	0	0	0	0	0	26	0	0	0	0
239.8	5	0	0	0	0	0	5	0	0	0	0
240.8	0	0	0	0	0	0	0	0	0	0	0
241.9	49	0	0	0	0	0	0	49	0	0	0
242.9	57	0	0	0	0	0	0	57	0	0	0
244.0	17	0	0	0	0	0	0	17	0	0	0
245.1	0	0	0	0	0	0	0	0	0	0	0
246.1	1	0	0	0	0	0	0	1	0	0	0
247.2	1	0	0	0	0	0	0	1	0	0	0
248.2	0	0	0	0	0	0	0	0	0	0	0
249.3	0	0	0	0	0	0	0	0	0	0	0
250.4	0	0	0	0	0	0	0	0	0	0	0
251.4	0	0	0	0	0	0	0	0	0	0	0
252.5	0	0	0	0	0	0	0	0	0	0	0
253.6	0	0	0	0	0	0	0	0	0	0	0
254.6	0	0	0	0	0	0	0	0	0	0	0
255.7	0	0	0	0	0	0	0	0	0	0	0
256.7	0	0	0	0	0	0	0	0	0	0	0
257.8	0	0	0	0	0	0	0	0	0	0	0
258.8	0	0	0	0	0	0	0	0	0	0	0
259.9	0	0	0	0	0	0	0	0	0	0	0
260.9	0	0	0	0	0	0	0	0	0	0	0
262.0	0	0	0	0	0	0	0	0	0	0	0
263.1	0	0	0	0	0	0	0	0	0	0	0
264.1	0	0	0	0	0	0	0	0	0	0	0
265.2	0	0	0	0	0	0	0	0	0	0	0
266.3	0	0	0	0	0	0	0	0	0	0	0
267.3	0	0	0	0	0	0	0	0	0	0	0
268.4	0	0	0	0	0	0	0	0	0	0	0
269.4	0	0	0	0	0	0	0	0	0	0	0
270.5	0	0	0	0	0	0	0	0	0	0	0
271.6	0	0	0	0	0	0	0	0	0	0	0
272.6	0	0	0	0	0	0	0	0	0	0	0
273.7	0	0	0	0	0	0	0	0	0	0	0
274.8	0	0	0	0	0	0	0	0	0	0	0
275.8	0	0	0	0	0	0	0	0	0	0	0
276.9	0	0	0	0	0	0	0	0	0	0	0
277.9	0	0	0	0	0	0	0	0	0	0	0
279.0	0	0	0	0	0	0	0	0	0	0	0
280.1	0	0	0	0	0	0	0	0	0	0	0
281.1	0	0	0	0	0	0	0	0	0	0	0
282.2	0	0	0	0	0	0	0	0	0	0	0
283.3	0	0	0	0	0	0	0	0	0	0	0
284.3	0	0	0	0	0	0	0	0	0	0	0

Table 50. Concentration thru Time (Conc.)

TRIAL 012 (DF1-001), 24 JAN 71, 13:50:00, RF 0000

TIME SECS	CL PC/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
285.4	0	0	0	0	0	0	0	0	0	0	0	0
286.4	0	0	0	0	0	0	0	0	0	0	0	0
287.5	0	0	0	0	0	0	0	0	0	0	0	0
288.6	0	0	0	0	0	0	0	0	0	0	0	0
289.6	0	0	0	0	0	0	0	0	0	0	0	0
290.7	0	0	0	0	0	0	0	0	0	0	0	0
291.8	0	0	0	0	0	0	0	0	0	0	0	0
292.8	0	0	0	0	0	0	0	0	0	0	0	0
293.8	0	0	0	0	0	0	0	0	0	0	0	0
294.9	0	0	0	0	0	0	0	0	0	0	0	0
295.9	0	0	0	0	0	0	0	0	0	0	0	0
297.0	0	0	0	0	0	0	0	0	0	0	0	0
298.1	0	0	0	0	0	0	0	0	0	0	0	0
299.1	0	0	0	0	0	0	0	0	0	0	0	0
300.1	0	0	0	0	0	0	0	0	0	0	0	0
301.2	0	0	0	0	0	0	0	0	0	0	0	0

@FIN

Table 51. Dosage Measurements

TRIAL B11 (DF1-001), 24 JAN 78, 13:37:00, RP SMCWE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG·MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	19.50
4	.00	3.00	.00	405.57
5	.00	4.00	.00	1187.89
6	.00	5.00	.00	589.51
7	.00	6.00	.00	77.12
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE= 2279.60 (MG·MIN/M\*\*2)

Table 52. Concentration thru Time

TRIAL 311 (JP1-001), 24 JAN 78, 13:37:00, R<sup>2</sup> S10KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3												
		10	9	8	7	6	5	4	3	2	1			
.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.4	1	0	0	0	0	0	0	1	0	0	0	0	0	0
6.4	3	0	0	0	0	0	0	3	0	0	0	0	0	0
7.5	10	0	0	0	0	0	0	10	0	0	0	0	0	0
8.5	2	0	0	0	0	0	0	2	0	0	0	0	0	0
9.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.7	170	0	0	0	0	0	0	170	0	0	0	0	0	0
12.8	365	0	0	0	0	0	0	365	0	0	0	0	0	0
13.8	365	0	0	0	0	0	0	365	0	0	0	0	0	0
14.9	284	0	0	0	0	0	0	284	0	0	0	0	0	0
15.9	258	0	0	0	0	0	0	258	0	0	0	0	0	0
17.0	194	0	0	0	0	0	0	194	0	0	0	0	0	0
18.0	261	0	0	0	0	0	0	261	0	0	0	0	0	0
19.1	29	0	0	0	0	0	0	29	0	0	0	0	0	0
20.1	167	0	0	0	0	0	0	167	0	0	0	0	0	0
21.1	276	0	0	0	0	0	0	276	0	0	0	0	0	0
22.1	402	0	0	0	0	0	0	402	0	0	0	0	0	0
23.1	15	0	0	0	0	0	0	15	0	0	0	0	0	0
24.1	9	0	0	0	0	0	0	9	0	0	0	0	0	0
25.1	230	0	0	0	0	0	0	230	0	0	0	0	0	0
26.2	580	0	0	0	0	0	0	580	0	0	0	0	0	0
27.2	258	0	0	0	0	0	0	258	0	0	0	0	0	0
28.2	130	0	0	0	0	0	0	130	0	0	0	0	0	0
29.2	68	0	0	0	0	0	0	68	0	0	0	0	0	0
30.2	466	0	0	0	0	0	0	466	0	0	0	0	0	0
31.2	166	0	0	0	0	0	0	166	0	0	0	0	0	0
32.3	5	0	0	0	0	0	0	5	0	0	0	0	0	0
33.3	1	0	0	0	0	0	0	1	0	0	0	0	0	0
34.4	2	0	0	0	0	0	0	2	0	0	0	0	0	0
35.5	100	0	0	0	0	0	0	100	0	0	0	0	0	0
36.5	453	0	0	0	0	0	0	453	0	0	0	0	0	0
37.6	149	0	0	0	0	0	0	149	0	0	0	0	0	0
38.6	64	0	0	0	0	0	0	64	0	0	0	0	0	0
39.7	180	0	0	0	0	0	0	180	0	0	0	0	0	0
40.7	97	0	0	0	0	0	0	97	0	0	0	0	0	0
41.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 52. Concentration thru Time (Cont.)

TRIAL 311 (DP1-001), 24 JAN 78, 13:37:00, R3 SIKK

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.1	0	0	0	0	0	0	0	0	0	0	0
48.1	4	0	0	0	0	4	0	0	0	0	0
49.2	16	0	0	0	0	9	6	0	0	0	0
50.2	24	0	0	0	0	0	24	0	0	0	0
51.3	171	0	0	0	0	0	171	0	0	0	0
52.3	11	0	0	0	0	0	11	0	0	0	0
53.4	446	0	0	0	0	0	446	0	0	0	0
54.5	336	0	0	0	0	0	336	0	0	0	0
55.5	598	0	0	0	0	0	598	0	0	0	0
56.5	488	0	0	0	0	0	488	0	0	0	0
57.5	344	0	0	0	0	0	344	0	0	0	0
58.5	131	0	0	0	0	0	131	0	0	0	0
59.5	38	0	0	0	0	0	0	38	0	0	0
60.6	53	0	0	0	0	0	0	53	0	0	0
61.7	2	0	0	0	0	0	0	2	0	0	0
62.7	0	0	0	0	0	0	0	0	0	0	0
63.8	18	0	0	0	0	0	18	0	0	0	0
64.9	175	0	0	0	0	0	175	0	0	0	0
65.9	28	0	0	0	0	0	28	0	0	0	0
67.0	13	0	0	0	0	0	13	0	0	0	0
68.0	269	0	0	0	0	0	269	0	0	0	0
69.1	120	0	0	0	0	0	120	0	0	0	0
70.1	151	0	0	0	0	0	151	0	0	0	0
71.2	76	0	0	0	0	1	74	0	0	0	0
72.3	82	0	0	0	0	1	80	0	0	0	0
73.3	202	0	0	0	0	0	202	0	0	0	0
74.4	106	0	0	0	0	0	106	0	0	0	0
75.4	109	0	0	0	0	0	109	0	0	0	0
76.4	149	0	0	0	0	0	149	0	0	0	0
77.4	329	0	0	0	0	0	329	0	0	0	0
78.4	245	0	0	0	0	0	245	0	0	0	0
79.4	380	0	0	0	0	0	380	0	0	0	0
80.4	32	0	0	0	0	3	29	0	0	0	0
81.4	535	0	0	0	0	3	532	0	0	0	0
82.5	284	0	0	0	0	1	282	0	0	0	0
83.5	3	0	0	0	0	0	3	0	0	0	0
84.6	9	0	0	0	0	9	0	0	0	0	0
85.6	0	0	0	0	0	0	0	0	0	0	0
86.6	0	0	0	0	0	0	0	0	0	0	0
87.6	0	0	0	0	0	0	0	0	0	0	0
88.6	0	0	0	0	0	0	0	0	0	0	0
89.6	0	0	0	0	0	0	0	0	0	0	0
90.6	0	0	0	0	0	0	0	0	0	0	0
91.6	2	0	0	0	0	2	0	0	0	0	0
92.6	9	0	0	0	0	9	0	0	0	0	0

Table 52. Concentration thru Time (Cont.)

TRIAL 311 (DP1-001), 24 JAN 78, 13:37:00, R3 S4 KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
93.7	104	0	0	0	103	1	0	0	0	0	0	0
94.8	16	0	0	0	14	1	0	0	0	0	0	0
95.9	284	0	0	0	3	1	279	0	0	0	0	0
96.9	10	0	0	0	0	0	9	0	0	0	0	0
97.9	1	0	0	0	0	1	0	0	0	0	0	0
99.0	3	0	0	0	0	0	3	0	0	0	0	0
100.1	319	0	0	0	0	0	319	0	0	0	0	0
101.1	269	0	0	0	0	0	269	0	0	0	0	0
102.2	95	0	0	0	0	0	92	2	0	0	0	0
103.3	135	0	0	0	0	0	126	8	0	0	0	0
104.3	290	0	0	0	0	0	290	0	0	0	0	0
105.4	229	0	0	0	0	0	229	0	0	0	0	0
106.4	248	0	0	0	0	0	248	0	0	0	0	0
107.4	13	0	0	0	0	0	3	9	0	0	0	0
108.4	253	0	0	0	0	0	245	7	0	0	0	0
109.5	355	0	0	0	0	0	355	0	0	0	0	0
110.5	62	0	0	0	0	0	62	0	0	0	0	0
111.6	0	0	0	0	0	0	0	0	0	0	0	0
112.6	0	0	0	0	0	0	0	0	0	0	0	0
113.6	39	0	0	0	0	0	39	0	0	0	0	0
114.6	658	0	0	0	0	0	658	0	0	0	0	0
115.6	735	0	0	0	0	0	735	0	0	0	0	0
116.6	34	0	0	0	0	0	24	9	0	0	0	0
117.7	1	0	0	0	0	0	0	1	0	0	0	0
118.7	30	0	0	0	0	0	30	0	0	0	0	0
119.7	490	0	0	0	0	0	490	0	0	0	0	0
120.7	128	0	0	0	0	0	128	0	0	0	0	0
121.7	33	0	0	0	0	0	33	0	0	0	0	0
122.7	1	0	0	0	0	0	1	0	0	0	0	0
123.7	10	0	0	0	0	0	0	10	0	0	0	0
124.7	74	0	0	0	0	0	48	25	0	0	0	0
125.7	88	0	0	0	0	0	34	53	0	0	0	0
126.7	64	0	0	0	0	0	0	64	0	0	0	0
127.7	1	0	0	0	0	0	0	1	0	0	0	0
128.7	0	0	0	0	0	0	0	0	0	0	0	0
129.7	54	0	0	0	0	0	54	0	0	0	0	0
130.7	95	0	0	0	0	0	95	0	0	0	0	0
131.7	207	0	0	0	0	0	207	0	0	0	0	0
132.7	187	0	0	0	0	0	187	0	0	0	0	0
133.7	92	0	0	0	0	0	92	0	0	0	0	0
134.7	54	0	0	0	0	0	54	0	0	0	0	0
135.7	4	0	0	0	0	0	4	0	0	0	0	0
136.7	0	0	0	0	0	0	0	0	0	0	0	0
137.7	19	0	0	0	0	0	19	0	0	0	0	0
138.7	66	0	0	0	0	0	66	0	0	0	0	0

Table 52. Concentration thru Time (Cont.)

TRIAL 311 (DPI-001) 23 JAN 73, 13:37:00, R3 S1)KE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
139.7	2	0	0	0	0	0	2	0	0	0	0
140.7	19	0	0	0	0	0	19	0	0	0	0
141.7	39	0	0	0	0	0	39	0	0	0	0
142.7	883	0	0	0	0	0	883	0	0	0	0
143.7	792	0	0	0	0	0	792	0	0	0	0
144.7	429	0	0	0	0	0	429	0	0	0	0
145.7	1382	0	0	0	0	0	1382	0	0	0	0
146.7	1111	0	0	0	0	0	1111	0	0	0	0
147.7	364	0	0	0	0	0	364	0	0	0	0
148.7	235	0	0	0	0	0	235	0	0	0	0
149.7	22	0	0	0	0	0	22	0	0	0	0
150.7	121	0	0	0	0	0	110	10	0	0	0
151.7	292	0	0	0	0	0	4	288	0	0	0
152.8	223	0	0	0	0	0	0	223	0	0	0
153.8	229	0	0	0	0	0	0	229	0	0	0
154.9	367	0	0	0	0	0	0	367	0	0	0
155.9	59	0	0	0	0	0	0	59	0	0	0
157.0	286	0	0	0	0	0	0	286	0	0	0
158.0	456	0	0	0	0	0	0	456	0	0	0
159.1	280	0	0	0	0	0	0	280	0	0	0
160.2	220	0	0	0	0	0	0	220	0	0	0
161.2	72	0	0	0	0	0	0	72	0	0	0
162.2	144	0	0	0	0	0	0	144	0	0	0
163.2	209	0	0	0	0	0	0	209	0	0	0
164.2	127	0	0	0	0	0	0	127	0	0	0
165.2	48	0	0	0	0	0	0	48	0	0	0
166.2	118	0	0	0	0	0	0	118	0	0	0
167.2	171	0	0	0	0	0	0	171	0	0	0
168.2	24	0	0	0	0	0	0	2	21	0	0
169.2	44	0	0	0	0	0	0	43	0	0	0
170.2	1	0	0	0	0	0	0	1	0	0	0
171.2	0	0	0	0	0	0	0	0	0	0	0
172.2	39	0	0	0	0	0	0	0	38	0	0
173.2	102	0	0	0	0	0	0	0	102	0	0
174.2	69	0	0	0	0	0	0	0	69	0	0
175.3	6	0	0	0	0	0	0	0	6	0	0
176.4	20	0	0	0	0	0	0	0	20	0	0
177.4	98	0	0	0	0	0	0	0	98	0	0
178.5	133	0	0	0	0	0	0	0	133	0	0
179.5	138	0	0	0	0	0	0	0	138	0	0
180.6	212	0	0	0	0	0	0	178	33	0	0
181.7	493	0	0	0	0	0	0	430	62	0	0
182.7	354	0	0	0	0	0	0	131	222	0	0
183.7	43	0	0	0	0	0	0	1	42	0	0
184.7	8	0	0	0	0	0	0	0	8	0	0

Table 52. Concentration thru Time (Conc.)

TRIAL 011 (DP1-001), 21 JAN 79, 13:37:00, R3 S11AE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
185.7	363	0	0	0	0	2	352	8	0	0	0
186.7	726	0	0	0	0	0	726	0	0	0	0
187.7	675	0	0	0	0	0	675	0	0	0	0
188.7	347	0	0	0	0	0	347	0	0	0	0
189.7	908	0	0	0	0	0	908	0	0	0	0
190.7	353	0	0	0	0	0	353	0	0	0	0
191.7	198	0	0	0	0	0	198	0	0	0	0
192.7	15	0	0	0	0	0	15	0	0	0	0
193.7	46	0	0	0	0	0	46	0	0	0	0
194.7	285	0	0	0	0	0	285	0	0	0	0
195.7	587	0	0	0	0	0	587	0	0	0	0
196.7	297	0	0	0	0	0	297	0	0	0	0
197.7	783	0	0	0	0	0	783	0	0	0	0
198.7	336	0	0	0	0	0	336	0	0	0	0
199.7	414	0	0	0	0	0	414	0	0	0	0
200.7	1242	0	0	0	0	0	1242	0	0	0	0
201.7	418	0	0	0	0	0	418	0	0	0	0
202.7	1165	0	0	0	0	0	1165	0	0	0	0
203.7	421	0	0	0	0	0	421	0	0	0	0
204.7	109	0	0	0	0	0	109	0	0	0	0
205.7	67	0	0	0	0	0	67	0	0	0	0
206.7	138	0	0	0	0	0	138	0	0	0	0
207.7	177	0	0	0	0	0	177	0	0	0	0
208.7	222	0	0	0	0	0	222	0	0	0	0
209.7	23	0	0	0	0	0	21	1	0	0	0
210.7	22	0	0	0	0	0	18	3	0	0	0
211.7	88	0	0	0	0	0	88	0	0	0	0
212.7	9	0	0	0	0	0	9	0	0	0	0
213.7	5	0	0	0	0	0	1	4	0	0	0
214.7	525	0	0	0	0	0	519	6	0	0	0
215.7	241	0	0	0	0	0	241	0	0	0	0
216.7	74	0	0	0	0	0	74	0	0	0	0
217.7	16	0	0	0	0	0	16	0	0	0	0
218.7	151	0	0	0	0	0	151	0	0	0	0
219.8	336	0	0	0	0	0	335	0	0	0	0
220.8	13	0	0	0	0	0	13	0	0	0	0
221.9	33	0	0	0	0	0	33	0	0	0	0
223.0	9	0	0	0	0	0	9	0	0	0	0
224.0	10	0	0	0	0	0	10	0	0	0	0
225.1	6	0	0	0	0	0	6	0	0	0	0
226.2	0	0	0	0	0	0	0	0	0	0	0
227.2	8	0	0	0	0	0	8	0	0	0	0
229.2	15	0	0	0	0	0	15	0	0	0	0
229.2	0	0	0	0	0	0	0	0	0	0	0
230.2	79	0	0	0	0	0	79	0	0	0	0



TRIAL A11

Table 53. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	26. 10	0. 26	0. 13
58.	26. 07	0. 26	0. 13
59.	25. 96	0. 27	0. 14
60.	26. 02	0. 27	0. 14
61.	25. 96	0. 27	0. 14
62.	25. 85	0. 28	0. 14
63.	25. 82	0. 28	0. 15
64.	25. 87	0. 28	0. 15
65.	25. 82	0. 28	0. 15
66.	25. 72	0. 29	0. 15
67.	25. 67	0. 29	0. 16
68.	25. 72	0. 29	0. 16
69.	25. 64	0. 29	0. 16
70.	25. 47	0. 30	0. 16
71.	25. 55	0. 30	0. 16
72.	25. 49	0. 30	0. 17
73.	25. 49	0. 30	0. 17
74.	25. 44	0. 31	0. 17
75.	25. 41	0. 31	0. 17
76.	25. 30	0. 32	0. 18
77.	25. 30	0. 32	0. 18
78.	25. 29	0. 32	0. 18
79.	25. 23	0. 32	0. 18
80.	25. 23	0. 32	0. 19
81.	25. 15	0. 33	0. 19
82.	25. 13	0. 33	0. 19
83.	25. 04	0. 33	0. 19
84.	25. 20	0. 32	0. 19
85.	25. 04	0. 33	0. 20
86.	25. 10	0. 33	0. 20
87.	25. 01	0. 34	0. 20
88.	24. 87	0. 35	0. 20
89.	24. 84	0. 35	0. 21
90.	24. 74	0. 36	0. 21
91.	24. 74	0. 36	0. 21
92.	24. 69	0. 36	0. 21
93.	24. 58	0. 37	0. 22
94.	24. 68	0. 36	0. 22
95.	24. 57	0. 37	0. 22
96.	24. 54	0. 37	0. 22
97.	24. 46	0. 37	0. 22
98.	24. 49	0. 37	0. 23
99.	24. 48	0. 37	0. 23
100.	24. 34	0. 38	0. 23
101.	24. 40	0. 38	0. 23
102.	24. 31	0. 39	0. 24
103.	24. 22	0. 39	0. 24
104.	24. 22	0. 39	0. 24
105.	24. 25	0. 39	0. 24
106.	24. 20	0. 39	0. 25
107.	24. 20	0. 39	0. 25
108.	24. 03	0. 40	0. 25
109.	24. 03	0. 40	0. 25
110.	24. 05	0. 40	0. 25
111.	23. 97	0. 41	0. 26
112.	23. 94	0. 41	0. 26
113.	23. 88	0. 42	0. 26
114.	23. 79	0. 42	0. 26

Table 53. Weight Loss thru Time (Cont.)

TRIAL A11

TN	WN	RW	RT
115.	23.79	0.42	0.27
116.	23.71	0.43	0.27
117.	23.71	0.43	0.27
118.	23.74	0.42	0.27
119.	23.65	0.43	0.28
120.	23.61	0.43	0.28
121.	23.62	0.43	0.28
122.	23.51	0.44	0.28
123.	23.45	0.44	0.28
124.	23.51	0.44	0.29
125.	23.47	0.44	0.29
126.	23.41	0.45	0.29
127.	23.35	0.45	0.29
128.	23.15	0.47	0.30
129.	23.27	0.46	0.30
130.	23.21	0.46	0.30
131.	23.02	0.47	0.30
132.	23.16	0.47	0.31
133.	23.01	0.48	0.31
134.	23.02	0.47	0.31
135.	22.99	0.48	0.31
136.	22.99	0.48	0.31
137.	22.93	0.48	0.32
138.	22.73	0.49	0.32
139.	22.80	0.49	0.32
140.	22.67	0.50	0.32
141.	22.69	0.50	0.33
142.	22.61	0.50	0.33
143.	22.63	0.50	0.33
144.	22.66	0.50	0.33
145.	22.55	0.51	0.34
146.	22.49	0.51	0.34
147.	22.34	0.52	0.34
148.	22.37	0.52	0.34
149.	22.38	0.52	0.34
150.	22.26	0.53	0.35
151.	22.29	0.53	0.35
152.	22.24	0.53	0.35
153.	22.18	0.53	0.35
154.	22.09	0.54	0.36
155.	22.05	0.54	0.36
156.	22.09	0.54	0.36
157.	21.94	0.55	0.36
158.	21.91	0.55	0.37
159.	21.83	0.56	0.37
160.	21.83	0.56	0.37
161.	21.92	0.55	0.37
162.	21.79	0.56	0.37
163.	21.79	0.56	0.38
164.	21.63	0.57	0.38
165.	21.68	0.57	0.38
166.	21.45	0.58	0.38
167.	21.48	0.58	0.39
168.	21.48	0.58	0.39
169.	21.33	0.59	0.39
170.	21.42	0.59	0.39
171.	21.37	0.59	0.40
172.	21.42	0.59	0.40

TRIAL A11

Table 53. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	21.34	0.59	0.40
174.	21.24	0.60	0.40
175.	21.22	0.60	0.41
176.	21.08	0.61	0.41
177.	21.07	0.61	0.41
178.	21.05	0.61	0.41
179.	21.04	0.61	0.41
180.	20.91	0.62	0.42
181.	20.91	0.62	0.42
182.	20.90	0.62	0.42
183.	20.84	0.63	0.42
184.	20.82	0.63	0.43
185.	20.69	0.64	0.43
186.	20.73	0.63	0.43
187.	20.69	0.64	0.43
188.	20.70	0.64	0.44
189.	20.59	0.64	0.44
190.	20.56	0.65	0.44
191.	20.56	0.65	0.44
192.	20.47	0.65	0.44
193.	20.50	0.65	0.45
194.	20.47	0.65	0.45
195.	20.43	0.66	0.45
196.	20.33	0.66	0.45
197.	20.36	0.66	0.46
198.	20.38	0.66	0.46
199.	20.30	0.66	0.46
200.	20.15	0.67	0.46
201.	20.21	0.67	0.47
202.	20.15	0.67	0.47
203.	20.04	0.68	0.47
204.	20.09	0.68	0.47
205.	20.07	0.68	0.47
206.	20.04	0.68	0.48
207.	19.98	0.69	0.48
208.	19.92	0.69	0.48
209.	19.84	0.70	0.48
210.	19.77	0.70	0.49
211.	19.88	0.69	0.49
212.	19.71	0.71	0.49
213.	19.83	0.70	0.49
214.	19.68	0.71	0.50
215.	19.74	0.70	0.50
216.	19.72	0.70	0.50
217.	19.62	0.71	0.50
218.	19.58	0.71	0.50
219.	19.52	0.72	0.51
220.	19.49	0.72	0.51
221.	19.48	0.72	0.51
222.	19.46	0.72	0.51
223.	19.45	0.72	0.52
224.	19.43	0.72	0.52
225.	19.37	0.73	0.52
226.	19.39	0.73	0.52
227.	19.32	0.73	0.53
228.	19.26	0.74	0.53
229.	19.23	0.74	0.53
230.	19.19	0.74	0.53

TRIAL A11

Table 53. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	19. 11		
232.	19. 22	0. 75	0. 53
233.	19. 06	0. 74	0. 54
234.	19. 03	0. 75	0. 54
235.	19. 00	0. 75	0. 54
236.	18. 99	0. 75	0. 54
237.	18. 90	0. 75	0. 55
238.	18. 96	0. 76	0. 55
239.	18. 88	0. 76	0. 55
240.	18. 85	0. 76	0. 55
241.	18. 82	0. 76	0. 56
242.	18. 81	0. 77	0. 56
243.	18. 82	0. 77	0. 56
244.	18. 67	0. 77	0. 56
245.	18. 82	0. 78	0. 56
246.	18. 71	0. 77	0. 57
247.	18. 62	0. 77	0. 57
248.	18. 55	0. 78	0. 57
249.	18. 56	0. 79	0. 57
250.	18. 55	0. 78	0. 58
251.	18. 56	0. 79	0. 58
252.	18. 56	0. 78	0. 58
253.	18. 53	0. 78	0. 58
254.	18. 45	0. 79	0. 59
255.	18. 41	0. 79	0. 59
256.	18. 41	0. 80	0. 59
257.	18. 53	0. 80	0. 59
258.	18. 35	0. 79	0. 59
259.	18. 38	0. 80	0. 60
260.	18. 44	0. 80	0. 60
261.	18. 35	0. 79	0. 60
262.	18. 24	0. 80	0. 60
263.	18. 24	0. 81	0. 61
264.	18. 13	0. 81	0. 61
265.	18. 24	0. 81	0. 61
266.	18. 12	0. 81	0. 61
267.	18. 10	0. 82	0. 62
268.	18. 13	0. 82	0. 62
269.	18. 03	0. 81	0. 62
270.	18. 07	0. 82	0. 62
271.	17. 90	0. 82	0. 62
272.	17. 95	0. 83	0. 63
273.	18. 04	0. 83	0. 63
274.	17. 90	0. 82	0. 63
275.	17. 93	0. 83	0. 63
276.	17. 98	0. 83	0. 64
277.	17. 92	0. 83	0. 64
278.	17. 86	0. 83	0. 64
279.	17. 78	0. 83	0. 64
280.	17. 72	0. 84	0. 65
281.	17. 75	0. 84	0. 65
282.	17. 90	0. 84	0. 65
283.	17. 78	0. 83	0. 65
284.	17. 77	0. 84	0. 66
285.	17. 73	0. 84	0. 66
286.	17. 78	0. 84	0. 66
287.	17. 60	0. 84	0. 66
288.	17. 58	0. 85	0. 66
		0. 85	0. 67

TRIAL A11

Table 53. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
289.	17.54	0.86	0.67
290.	17.52	0.86	0.67
291.	17.67	0.85	0.67
292.	17.58	0.85	0.68
293.	17.43	0.86	0.68
294.	17.55	0.85	0.68
295.	17.37	0.87	0.68
296.	17.34	0.87	0.69
297.	17.37	0.87	0.69
298.	17.34	0.87	0.69
299.	17.29	0.87	0.69
300.	17.43	0.86	0.69
301.	17.34	0.87	0.70
302.	17.33	0.87	0.70
303.	17.34	0.87	0.70
304.	17.29	0.87	0.70
305.	17.26	0.87	0.71
306.	17.15	0.88	0.71
307.	17.25	0.88	0.71
308.	17.28	0.87	0.71
309.	17.17	0.88	0.72
310.	17.15	0.88	0.72
311.	17.11	0.89	0.72
312.	17.08	0.89	0.72
313.	17.08	0.89	0.72
314.	17.02	0.89	0.73
315.	16.96	0.90	0.73
316.	17.09	0.89	0.73
317.	16.94	0.90	0.73
318.	17.00	0.89	0.74
319.	16.88	0.90	0.74
320.	16.96	0.90	0.74
321.	16.94	0.90	0.74
322.	16.88	0.90	0.75
323.	16.89	0.90	0.75
324.	16.74	0.91	0.75
325.	16.76	0.91	0.75
326.	16.73	0.91	0.75
327.	16.73	0.91	0.76
328.	16.70	0.91	0.76
329.	16.68	0.92	0.76
330.	16.70	0.91	0.76
331.	16.63	0.92	0.77
332.	16.63	0.92	0.77
333.	16.60	0.92	0.77
334.	16.65	0.92	0.77
335.	16.59	0.92	0.78
336.	16.56	0.92	0.78
337.	16.59	0.92	0.78
338.	16.54	0.92	0.78
339.	16.51	0.93	0.78
340.	16.57	0.92	0.79
341.	16.59	0.92	0.79
342.	16.54	0.92	0.79
343.	16.53	0.93	0.79
344.	16.42	0.93	0.80
345.	16.53	0.93	0.80
346.	16.39	0.94	0.80

Table 53. Weight Loss thru Time (Cont.)

TRIAL A11

TN	WN	RW	RT
347.	16.44	0.93	0.80
348.	16.50	0.93	0.81
349.	16.40	0.93	0.81
350.	16.47	0.93	0.81
351.	16.37	0.94	0.81
352.	16.27	0.94	0.81
353.	16.24	0.95	0.82
354.	16.18	0.95	0.82
355.	16.25	0.95	0.82
356.	16.19	0.95	0.82
357.	16.22	0.95	0.83
358.	16.18	0.95	0.83
359.	16.13	0.95	0.83
360.	16.08	0.96	0.83
361.	16.14	0.95	0.84
362.	16.04	0.96	0.84
363.	16.10	0.96	0.84
364.	16.10	0.96	0.84
365.	16.04	0.96	0.84
366.	16.02	0.96	0.85
367.	16.13	0.95	0.85
368.	16.18	0.95	0.85
369.	16.11	0.95	0.85
370.	16.04	0.96	0.86
371.	16.05	0.96	0.86
372.	15.99	0.96	0.86
373.	16.05	0.96	0.86
374.	15.88	0.97	0.87
375.	15.98	0.96	0.87
376.	15.95	0.97	0.87
377.	15.92	0.97	0.87
378.	15.95	0.97	0.87
379.	15.92	0.97	0.88
380.	15.92	0.97	0.88
381.	15.82	0.97	0.88
382.	15.95	0.97	0.88
383.	15.82	0.97	0.89
384.	15.88	0.97	0.89
385.	15.88	0.97	0.89
386.	15.87	0.97	0.89
387.	15.78	0.98	0.90
388.	15.82	0.97	0.90
389.	15.85	0.97	0.90
390.	15.70	0.98	0.90
391.	15.78	0.98	0.91
392.	15.72	0.98	0.91
393.	15.75	0.98	0.91
394.	15.78	0.98	0.91
395.	15.76	0.98	0.91
396.	15.72	0.98	0.92
397.	15.78	0.98	0.92
398.	15.79	0.98	0.92
399.	15.78	0.98	0.92
400.	15.79	0.98	0.93
401.	15.78	0.98	0.93
402.	15.84	0.97	0.93
403.	15.78	0.98	0.93
404.	15.72	0.98	0.94

TRIAL A11

Table 53. Weight Loss thru Time (Conc.)

TN	WN	RW	RT
405.	15. 81	0. 98	0. 94
406.	15. 66	0. 99	0. 94
407.	15. 75	0. 98	0. 94
408.	15. 69	0. 98	0. 94
409.	15. 70	0. 98	0. 95
410.	15. 75	0. 98	0. 95
411.	15. 70	0. 98	0. 95
412.	15. 58	0. 99	0. 95
413.	15. 67	0. 99	0. 96
414.	15. 69	0. 98	0. 96
415.	15. 73	0. 98	0. 96
416.	15. 79	0. 98	0. 96
417.	15. 64	0. 99	0. 97
418.	15. 69	0. 98	0. 97
419.	15. 61	0. 99	0. 97
420.	15. 66	0. 99	0. 97
421.	15. 63	0. 99	0. 97
422.	15. 56	0. 99	0. 98
423.	15. 58	0. 99	0. 98
424.	15. 50	1. 00	0. 98
425.	15. 56	0. 99	0. 98
426.	15. 59	0. 99	0. 99
427.	15. 66	0. 99	0. 99
428.	15. 58	0. 99	0. 99
429.	15. 59	0. 99	0. 99
430.	15. 64	0. 99	1. 00
431.	15. 69	0. 98	1. 00
432.	15. 46	1. 00	1. 00

TRIAL A14

Table 54. Weight Loss thru Time

TN	WN	RW	RT
0.	35.05	0.00	0.00
1.	35.10	-0.00	0.00
2.	35.12	-0.01	0.00
3.	35.91	-0.06	0.01
4.	34.92	0.01	0.01
5.	34.53	0.04	0.01
6.	34.83	0.02	0.01
7.	34.76	0.02	0.02
8.	35.07	-0.00	0.02
9.	34.69	0.03	0.02
10.	34.69	0.03	0.02
11.	34.85	0.01	0.03
12.	34.80	0.02	0.03
13.	34.71	0.02	0.03
14.	34.74	0.02	0.03
15.	34.69	0.03	0.04
16.	34.69	0.03	0.04
17.	34.71	0.02	0.04
18.	34.62	0.03	0.04
19.	34.58	0.03	0.05
20.	34.54	0.04	0.05
21.	34.54	0.04	0.05
22.	34.59	0.05	0.05
23.	34.56	0.05	0.06
24.	34.51	0.05	0.06
25.	34.25	0.06	0.06
26.	34.24	0.06	0.06
27.	34.18	0.06	0.07
28.	34.18	0.06	0.07
29.	34.13	0.07	0.07
30.	34.08	0.07	0.07
31.	33.96	0.08	0.08
32.	33.91	0.08	0.08
33.	33.91	0.08	0.08
34.	33.88	0.08	0.08
35.	33.80	0.09	0.08
36.	33.81	0.09	0.09
37.	33.71	0.10	0.09
38.	33.68	0.10	0.09
39.	33.68	0.10	0.09
40.	33.59	0.11	0.10
41.	33.60	0.10	0.10
42.	33.49	0.11	0.10
43.	33.44	0.12	0.10
44.	33.50	0.11	0.11
45.	33.58	0.12	0.11
46.	33.57	0.12	0.11
47.	33.28	0.13	0.11
48.	33.28	0.13	0.12
49.	33.28	0.13	0.12
50.	33.18	0.13	0.12
51.	33.06	0.14	0.12
52.	33.07	0.14	0.13
53.	33.04	0.14	0.13
54.	32.93	0.15	0.13
55.	32.88	0.16	0.13
56.	32.88	0.16	0.14

TRIAL A14

Table 54. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
57.	32.83	0.16	0.14
58.	32.79	0.16	0.14
59.	32.74	0.17	0.14
60.	32.66	0.17	0.15
61.	32.54	0.18	0.15
62.	32.60	0.18	0.15
63.	32.58	0.18	0.15
64.	32.51	0.18	0.16
65.	32.43	0.19	0.16
66.	32.39	0.19	0.16
67.	32.33	0.20	0.16
68.	32.30	0.20	0.17
69.	32.26	0.20	0.17
70.	32.23	0.20	0.17
71.	32.09	0.21	0.17
72.	32.14	0.21	0.17
73.	32.17	0.21	0.18
74.	32.00	0.22	0.18
75.	31.93	0.22	0.18
76.	31.81	0.23	0.18
77.	31.89	0.23	0.19
78.	31.90	0.23	0.19
79.	31.88	0.23	0.19
80.	31.78	0.24	0.19
81.	31.64	0.25	0.20
82.	31.52	0.25	0.20
83.	31.47	0.26	0.20
84.	31.56	0.25	0.20
85.	31.39	0.26	0.21
86.	31.39	0.26	0.21
87.	31.40	0.26	0.21
88.	31.31	0.27	0.21
89.	31.25	0.27	0.22
90.	31.15	0.28	0.22
91.	31.17	0.28	0.22
92.	31.11	0.28	0.22
93.	31.10	0.28	0.23
94.	31.02	0.29	0.23
95.	30.91	0.30	0.23
96.	30.91	0.30	0.23
97.	30.96	0.29	0.24
98.	30.82	0.30	0.24
99.	30.61	0.32	0.24
100.	30.66	0.32	0.24
101.	30.71	0.31	0.25
102.	30.62	0.32	0.25
103.	30.52	0.33	0.25
104.	30.50	0.33	0.25
105.	30.44	0.33	0.25
106.	30.51	0.33	0.26
107.	30.32	0.34	0.26
108.	30.28	0.34	0.26
109.	30.30	0.34	0.26
110.	30.25	0.35	0.27
111.	30.18	0.35	0.27
112.	30.16	0.35	0.27
113.	30.06	0.36	0.27
114.	29.95	0.37	0.28

TRIAL A14

Table 54. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
115.	29.90	0.37	0.28
116.	29.91	0.37	0.28
117.	29.96	0.37	0.28
118.	29.88	0.37	0.29
119.	29.79	0.38	0.29
120.	29.69	0.39	0.29
121.	29.69	0.39	0.29
122.	29.61	0.39	0.30
123.	29.56	0.40	0.30
124.	29.48	0.40	0.30
125.	29.52	0.40	0.30
126.	29.46	0.40	0.31
127.	29.40	0.41	0.31
128.	29.31	0.41	0.31
129.	29.28	0.42	0.31
130.	29.24	0.42	0.32
131.	29.16	0.42	0.32
132.	29.17	0.42	0.32
133.	29.06	0.43	0.32
134.	28.98	0.44	0.33
135.	28.84	0.45	0.33
136.	28.94	0.44	0.33
137.	28.90	0.44	0.33
138.	28.84	0.45	0.33
139.	28.79	0.45	0.34
140.	28.68	0.46	0.34
141.	28.68	0.46	0.34
142.	28.57	0.47	0.34
143.	28.56	0.47	0.35
144.	28.56	0.47	0.35
145.	28.57	0.47	0.35
146.	28.41	0.48	0.35
147.	28.44	0.48	0.36
148.	28.35	0.48	0.36
149.	28.29	0.49	0.36
150.	28.17	0.50	0.36
151.	28.25	0.49	0.37
152.	28.15	0.50	0.37
153.	28.14	0.50	0.37
154.	28.05	0.50	0.37
155.	28.06	0.50	0.38
156.	27.93	0.51	0.38
157.	27.86	0.52	0.38
158.	27.85	0.52	0.38
159.	27.88	0.52	0.39
160.	27.83	0.52	0.39
161.	27.79	0.52	0.39
162.	27.73	0.53	0.39
163.	27.73	0.53	0.40
164.	27.63	0.53	0.40
165.	27.45	0.55	0.40
166.	27.44	0.55	0.40
167.	27.47	0.55	0.41
168.	27.46	0.55	0.41
169.	27.39	0.55	0.41
170.	27.34	0.56	0.41
171.	27.31	0.56	0.42
172.	27.18	0.57	0.42

TRIAL A14

Table 54. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
173.	27.17	0.57	0.42
174.	27.07	0.57	0.42
175.	27.09	0.57	0.42
176.	27.07	0.57	0.43
177.	27.06	0.58	0.43
178.	26.95	0.58	0.43
179.	26.86	0.59	0.43
180.	26.94	0.58	0.44
181.	26.95	0.58	0.44
182.	26.83	0.59	0.44
183.	26.79	0.59	0.44
184.	26.77	0.60	0.45
185.	26.72	0.60	0.45
186.	26.66	0.60	0.45
187.	26.66	0.60	0.45
188.	26.61	0.61	0.46
189.	26.59	0.61	0.46
190.	26.53	0.61	0.46
191.	26.43	0.62	0.46
192.	26.45	0.62	0.47
193.	26.41	0.62	0.47
194.	26.36	0.63	0.47
195.	26.27	0.63	0.47
196.	26.26	0.63	0.48
197.	26.23	0.64	0.48
198.	26.25	0.63	0.48
199.	26.26	0.63	0.48
200.	26.14	0.64	0.49
201.	26.06	0.65	0.49
202.	26.14	0.64	0.49
203.	26.10	0.64	0.49
204.	26.03	0.65	0.50
205.	26.01	0.65	0.50
206.	26.00	0.65	0.50
207.	25.95	0.66	0.50
208.	25.91	0.66	0.50
209.	25.88	0.66	0.51
210.	25.83	0.66	0.51
211.	25.74	0.67	0.51
212.	25.71	0.67	0.51
213.	25.76	0.67	0.52
214.	25.74	0.67	0.52
215.	25.70	0.67	0.52
216.	25.57	0.68	0.52
217.	25.55	0.68	0.53
218.	25.48	0.69	0.53
219.	25.44	0.69	0.53
220.	25.46	0.69	0.53
221.	25.45	0.69	0.54
222.	25.42	0.69	0.54
223.	25.42	0.69	0.54
224.	25.31	0.70	0.54
225.	25.32	0.70	0.55
226.	25.34	0.70	0.55
227.	25.26	0.70	0.55
228.	25.25	0.71	0.55
229.	25.13	0.71	0.56
230.	25.11	0.72	0.56

TRIAL A14

Table 54. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
231.	25. 14	0. 71	0. 56
232.	25. 03	0. 72	0. 56
233.	25. 07	0. 72	0. 57
234.	25. 05	0. 72	0. 57
235.	24. 97	0. 73	0. 57
236.	24. 97	0. 73	0. 57
237.	24. 86	0. 73	0. 58
238.	24. 87	0. 73	0. 58
239.	24. 76	0. 74	0. 58
240.	24. 83	0. 74	0. 58
241.	24. 76	0. 74	0. 58
242.	24. 70	0. 75	0. 59
243.	24. 61	0. 75	0. 59
244.	24. 59	0. 75	0. 59
245.	24. 53	0. 76	0. 59
246.	24. 57	0. 75	0. 60
247.	24. 55	0. 76	0. 60
248.	24. 53	0. 76	0. 60
249.	24. 57	0. 75	0. 60
250.	24. 45	0. 76	0. 61
251.	24. 46	0. 76	0. 61
252.	24. 37	0. 77	0. 61
253.	24. 36	0. 77	0. 61
254.	24. 37	0. 77	0. 62
255.	24. 32	0. 77	0. 62
256.	24. 23	0. 78	0. 62
257.	24. 22	0. 78	0. 62
258.	24. 21	0. 78	0. 63
259.	24. 17	0. 78	0. 63
260.	24. 14	0. 79	0. 63
261.	24. 13	0. 79	0. 63
262.	24. 08	0. 79	0. 64
263.	24. 15	0. 78	0. 64
264.	23. 93	0. 80	0. 64
265.	23. 94	0. 80	0. 64
266.	23. 88	0. 80	0. 65
267.	23. 83	0. 81	0. 65
268.	23. 81	0. 81	0. 65
269.	23. 81	0. 81	0. 65
270.	23. 81	0. 81	0. 66
271.	23. 80	0. 81	0. 66
272.	23. 70	0. 82	0. 66
273.	23. 73	0. 81	0. 66
274.	23. 70	0. 82	0. 67
275.	23. 66	0. 82	0. 67
276.	23. 71	0. 82	0. 67
277.	23. 61	0. 82	0. 67
278.	23. 60	0. 82	0. 67
279.	23. 46	0. 83	0. 68
280.	23. 54	0. 83	0. 68
281.	23. 55	0. 83	0. 68
282.	23. 55	0. 83	0. 68
283.	23. 42	0. 84	0. 69
284.	23. 44	0. 84	0. 69
285.	23. 33	0. 84	0. 69
286.	23. 26	0. 85	0. 69
287.	23. 29	0. 85	0. 70
288.	23. 24	0. 85	0. 70

Table 54. Weight Loss thru Time (Cont.)

TRIAL A14 TN	WN	RW	RT
289.	23. 31	0. 85	0. 70
290.	23. 31	0. 85	0. 70
291.	23. 30	0. 85	0. 71
292.	23. 22	0. 85	0. 71
293.	23. 23	0. 85	0. 71
294.	23. 15	0. 86	0. 71
295.	23. 24	0. 85	0. 72
296.	23. 15	0. 86	0. 72
297.	23. 15	0. 86	0. 72
298.	23. 01	0. 87	0. 72
299.	22. 99	0. 87	0. 73
300.	22. 98	0. 87	0. 73
301.	22. 98	0. 87	0. 73
302.	22. 95	0. 87	0. 73
303.	22. 88	0. 88	0. 74
304.	22. 98	0. 87	0. 74
305.	22. 95	0. 87	0. 74
306.	22. 98	0. 87	0. 74
307.	22. 95	0. 87	0. 75
308.	22. 85	0. 88	0. 75
309.	22. 84	0. 88	0. 75
310.	22. 87	0. 88	0. 75
311.	22. 87	0. 88	0. 75
312.	22. 82	0. 88	0. 76
313.	22. 75	0. 89	0. 76
314.	22. 73	0. 89	0. 76
315.	22. 68	0. 89	0. 76
316.	22. 65	0. 89	0. 77
317.	22. 63	0. 89	0. 77
318.	22. 60	0. 90	0. 77
319.	22. 59	0. 90	0. 77
320.	22. 60	0. 90	0. 78
321.	22. 54	0. 90	0. 78
322.	22. 61	0. 90	0. 78
323.	22. 60	0. 90	0. 78
324.	22. 54	0. 90	0. 79
325.	22. 50	0. 90	0. 79
326.	22. 50	0. 90	0. 79
327.	22. 43	0. 91	0. 79
328.	22. 47	0. 91	0. 80
329.	22. 52	0. 90	0. 80
330.	22. 45	0. 91	0. 80
331.	22. 50	0. 90	0. 80
332.	22. 39	0. 91	0. 81
333.	22. 37	0. 91	0. 81
334.	22. 29	0. 92	0. 81
335.	22. 18	0. 93	0. 81
336.	22. 25	0. 92	0. 82
337.	22. 20	0. 93	0. 82
338.	22. 23	0. 92	0. 82
339.	22. 21	0. 92	0. 82
340.	22. 23	0. 92	0. 83
341.	22. 15	0. 93	0. 83
342.	22. 21	0. 92	0. 83
343.	22. 20	0. 93	0. 83
344.	22. 21	0. 92	0. 83
345.	22. 17	0. 93	0. 84
346.	22. 11	0. 93	0. 84

TRIAL A14

Table 54. Weight Loss thru Time (Cont.)

TN	WN	RW	RT
347.	22. 07	0. 93	0. 94
348.	22. 05	0. 94	0. 94
349.	22. 08	0. 93	0. 95
350.	22. 04	0. 94	0. 95
351.	22. 04	0. 94	0. 95
352.	22. 06	0. 93	0. 95
353.	21. 91	0. 95	0. 96
354.	21. 91	0. 95	0. 96
355.	22. 01	0. 94	0. 96
356.	22. 02	0. 94	0. 96
357.	21. 97	0. 94	0. 97
358.	21. 86	0. 95	0. 97
359.	21. 90	0. 95	0. 97
360.	21. 92	0. 95	0. 97
361.	21. 88	0. 95	0. 98
362.	21. 89	0. 95	0. 98
363.	21. 92	0. 95	0. 98
364.	22. 00	0. 94	0. 98
365.	21. 83	0. 95	0. 99
366.	21. 83	0. 95	0. 99
367.	21. 72	0. 96	0. 99
368.	21. 71	0. 96	0. 99
369.	21. 77	0. 96	0. 90
370.	21. 71	0. 96	0. 90
371.	21. 69	0. 96	0. 90
372.	21. 63	0. 97	0. 90
373.	21. 64	0. 97	0. 91
374.	21. 60	0. 97	0. 91
375.	21. 63	0. 97	0. 91
376.	21. 63	0. 97	0. 91
377.	21. 63	0. 97	0. 92
378.	21. 70	0. 96	0. 92
379.	21. 58	0. 97	0. 92
380.	21. 60	0. 97	0. 92
381.	21. 58	0. 97	0. 92
382.	21. 57	0. 97	0. 93
383.	21. 53	0. 97	0. 93
384.	21. 56	0. 97	0. 93
385.	21. 62	0. 97	0. 93
386.	21. 56	0. 97	0. 94
387.	21. 58	0. 97	0. 94
388.	21. 53	0. 97	0. 94
389.	21. 52	0. 97	0. 94
390.	21. 47	0. 96	0. 95
391.	21. 46	0. 96	0. 95
392.	21. 41	0. 96	0. 95
393.	21. 51	0. 99	0. 95
394.	21. 44	0. 96	0. 96
395.	21. 58	0. 96	0. 96
396.	21. 51	0. 99	0. 96
397.	21. 28	0. 99	0. 96
398.	21. 52	0. 99	0. 97
399.	21. 26	0. 99	0. 97
400.	21. 40	0. 96	0. 97
401.	21. 40	0. 96	0. 97
402.	21. 50	0. 99	0. 96
403.	21. 56	0. 99	0. 96
404.	21. 56	0. 99	0. 96

Table 54. Weight Loss thru Time (Conc.)

TRIAL A14

TN	WN	RW	RT
405.	21.33	0.99	0.98
406.	21.32	0.99	0.99
407.	21.33	0.99	0.99
408.	21.27	0.99	0.99
409.	21.23	0.99	0.99
410.	21.19	1.00	1.00
411.	21.23	0.99	1.00
412.	21.16	1.00	1.00

Table 55. Dosage Measurement

TRIAL 818 (DP1-001), 25 JAN 78, 14:11:58, RP SMCHE

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSAGE (MG·MIN/M**3)
	X(M)	Y(M)	Z(M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	.00
4	.00	3.00	.00	.00
5	.00	4.00	.00	100.20
6	.00	5.00	.00	34.54
7	.00	6.00	.00	1.40
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSAGE ALONG SIGHT LINE = 136.14 (MG·MIN/M\*\*2)

Table 56. Concentration thru Time

TRIAL 313 (CP1-001), 25 JAN 78, 14:11:58, R' D1DKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0
2.1	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	0	0	0	0	0	0	0	0	0	0	0
4.3	1	0	0	0	0	0	0	0	0	0	0	0
5.3	1	0	0	0	0	0	0	0	0	0	0	0
6.4	1	0	0	0	0	0	0	0	0	0	0	0
7.4	0	0	0	0	0	0	0	0	0	0	0	0
8.5	0	0	0	0	0	0	0	0	0	0	0	0
9.6	2	0	0	0	0	0	0	0	0	0	0	0
10.6	0	0	0	0	0	0	0	0	0	0	0	0
11.7	5	0	0	0	0	0	0	0	0	0	0	0
12.8	0	0	0	0	0	0	0	0	0	0	0	0
13.8	5	0	0	0	0	0	0	0	0	0	0	0
14.9	17	0	0	0	0	0	0	0	0	0	0	0
15.9	30	0	0	0	0	0	0	0	0	0	0	0
17.0	13	0	0	0	0	0	0	0	0	0	0	0
18.1	12	0	0	0	0	0	0	0	0	0	0	0
19.1	3	0	0	0	0	0	0	0	0	0	0	0
20.2	3	0	0	0	0	0	0	0	0	0	0	0
21.3	2	0	0	0	0	0	0	0	0	0	0	0
22.3	9	0	0	0	0	0	0	0	0	0	0	0
23.4	18	0	0	0	0	0	0	0	0	0	0	0
24.4	12	0	0	0	0	0	0	0	0	0	0	0
25.5	2	0	0	0	0	0	0	0	0	0	0	0
26.6	10	0	0	0	0	0	0	0	0	0	0	0
27.6	5	0	0	0	0	0	0	0	0	0	0	0
28.7	5	0	0	0	0	0	0	0	0	0	0	0
29.8	20	0	0	0	0	0	0	0	0	0	0	0
30.8	16	0	0	0	0	0	0	0	0	0	0	0
31.9	1	0	0	0	0	0	0	0	0	0	0	0
32.9	5	0	0	0	0	0	0	0	0	0	0	0
34.0	23	0	0	0	0	0	0	0	0	0	0	0
35.1	12	0	0	0	0	0	0	0	0	0	0	0
36.1	28	0	0	0	0	0	0	0	0	0	0	0
37.2	24	0	0	0	0	0	0	0	0	0	0	0
38.3	15	0	0	0	0	0	0	0	0	0	0	0
39.3	8	0	0	0	0	0	0	0	0	0	0	0
40.4	19	0	0	0	0	0	0	0	0	0	0	0
41.4	19	0	0	0	0	0	0	0	0	0	0	0
42.5	2	0	0	0	0	0	0	0	0	0	0	0
43.5	4	0	0	0	0	0	0	0	0	0	0	0
44.6	15	0	0	0	0	0	0	0	0	0	0	0
45.7	27	0	0	0	0	0	0	0	0	0	0	0
46.8	24	0	0	0	0	0	0	0	0	0	0	0

Table 56. Concentration thru Time (Cont.)

TRIAL 016 (DF1-001), 21 JAN 76, 14:11:58, RF SP (E)

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
47.8	7	0	0	0	0	0	7	0	0	0	0
48.9	10	0	0	0	0	0	9	0	0	0	0
49.9	19	0	0	0	0	0	19	0	0	0	0
51.0	4	0	0	0	0	0	4	0	0	0	0
52.1	14	0	0	0	0	0	14	0	0	0	0
53.1	19	0	0	0	0	0	19	0	0	0	0
54.2	15	0	0	0	0	0	15	0	0	0	0
55.3	8	0	0	0	0	0	5	3	0	0	0
56.3	16	0	0	0	0	0	13	3	0	0	0
57.4	21	0	0	0	0	0	20	0	0	0	0
58.4	8	0	0	0	0	0	5	2	0	0	0
59.5	5	0	0	0	0	0	4	0	0	0	0
60.6	0	0	0	0	0	0	0	0	0	0	0
61.6	10	0	0	0	0	0	9	0	0	0	0
62.7	5	0	0	0	0	0	5	0	0	0	0
63.8	0	0	0	0	0	0	0	0	0	0	0
64.8	13	0	0	0	0	0	13	0	0	0	0
65.9	13	0	0	0	0	0	13	0	0	0	0
66.9	0	0	0	0	0	0	0	0	0	0	0
68.0	15	0	0	0	0	0	15	0	0	0	0
69.1	8	0	0	0	0	0	8	0	0	0	0
70.1	0	0	0	0	0	0	0	0	0	0	0
71.2	3	0	0	0	0	0	3	0	0	0	0
82.9	15	0	0	0	0	0	14	0	0	0	0
83.9	12	0	0	0	0	0	10	2	0	0	0
85.0	12	0	0	0	0	1	10	0	0	0	0
86.1	5	0	0	0	0	0	2	3	0	0	0
87.1	2	0	0	0	0	0	0	1	0	0	0
88.2	7	0	0	0	0	0	5	2	0	0	0
89.3	23	0	0	0	0	0	21	1	0	0	0
90.3	29	0	0	0	0	1	27	0	0	0	0
91.4	8	0	0	0	0	0	8	0	0	0	0
92.4	0	0	0	0	0	0	0	0	0	0	0
93.5	14	0	0	0	0	0	13	0	0	0	0
94.6	47	0	0	0	0	0	47	0	0	0	0

Table 56. Concentration thru Time (Cont.)

TRIAL 313 (DPI-001), 25 JAN 73, 14:21:53, R' 51(5)

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
95.6	25	0	0	0	0	0	25	0	0	0	0	0
96.7	3	0	0	0	0	1	1	0	0	0	0	0
97.8	19	0	0	0	0	0	16	2	0	0	0	0
98.8	21	0	0	0	0	0	20	0	0	0	0	0
99.9	29	0	0	0	0	0	29	0	0	0	0	0
100.9	11	0	0	0	0	0	10	0	0	0	0	0
102.0	33	0	0	0	0	0	33	0	0	0	0	0
103.1	36	0	0	0	0	0	36	0	0	0	0	0
104.1	6	0	0	0	0	0	2	3	0	0	0	0
105.2	21	0	0	0	0	0	19	2	0	0	0	0
106.3	16	0	0	0	0	0	16	0	0	0	0	0
107.3	11	0	0	0	0	0	11	0	0	0	0	0
108.4	29	0	0	0	0	0	29	0	0	0	0	0
109.4	4	0	0	0	0	0	4	0	0	0	0	0
110.5	5	0	0	0	0	0	4	1	0	0	0	0
111.6	9	0	0	0	0	0	9	0	0	0	0	0
112.6	36	0	0	0	0	0	36	0	0	0	0	0
113.7	12	0	0	0	0	0	11	0	0	0	0	0
114.8	3	0	0	0	0	1	1	0	0	0	0	0
115.8	4	0	0	0	0	0	3	0	0	0	0	0
116.9	4	0	0	0	0	0	4	0	0	0	0	0
117.9	14	0	0	0	0	0	13	0	0	0	0	0
119.0	24	0	0	0	0	0	24	0	0	0	0	0
120.1	17	0	0	0	0	0	16	0	0	0	0	0
121.1	16	0	0	0	0	0	15	1	0	0	0	0
122.2	16	0	0	0	0	0	16	0	0	0	0	0
123.3	36	0	0	0	0	0	35	0	0	0	0	0
124.3	32	0	0	0	0	0	32	0	0	0	0	0
125.4	20	0	0	0	0	0	20	0	0	0	0	0
126.4	14	0	0	0	0	0	14	0	0	0	0	0
127.5	15	0	0	0	0	0	15	0	0	0	0	0
128.6	6	0	0	0	0	0	6	0	0	0	0	0
129.6	17	0	0	0	0	0	16	1	0	0	0	0
130.7	18	0	0	0	0	0	11	7	0	0	0	0
131.8	7	0	0	0	0	0	4	2	0	0	0	0
132.8	1	0	0	0	0	0	0	1	0	0	0	0
133.9	0	0	0	0	0	0	0	0	0	0	0	0
134.9	5	0	0	0	0	0	5	0	0	0	0	0
136.0	22	0	0	0	0	0	22	0	0	0	0	0
137.1	12	0	0	0	0	0	11	0	0	0	0	0
138.1	19	0	0	0	0	0	18	0	0	0	0	0
139.2	4	0	0	0	0	0	4	0	0	0	0	0
140.3	7	0	0	0	0	0	7	0	0	0	0	0
141.3	3	0	0	0	0	0	3	0	0	0	0	0
142.4	7	0	0	0	0	0	7	0	0	0	0	0

Table 56. Concentration thru Time (Conc.)

TRIAL 313 (DP1-001), 25 JAN 73, 14:11:58, R3 S1)4E

TIME SECS	CL MS/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.4	4	0	0	0	0	0	4	0	0	0	0
144.5	1	0	0	0	0	0	0	0	0	0	0
145.6	5	0	0	0	0	0	5	0	0	0	0
146.6	7	0	0	0	0	0	7	0	0	0	0
147.7	10	0	0	0	0	0	9	0	0	0	0
148.8	35	0	0	0	0	0	35	0	0	0	0
149.8	23	0	0	0	0	0	23	0	0	0	0
150.9	3	0	0	0	0	0	3	0	0	0	0
151.9	11	0	0	0	0	0	11	0	0	0	0
153.0	14	0	0	0	0	0	14	0	0	0	0
154.1	2	0	0	0	0	0	1	0	0	0	0
155.1	4	0	0	0	0	0	4	0	0	0	0
156.2	3	0	0	0	0	0	3	0	0	0	0
157.3	9	0	0	0	0	0	9	0	0	0	0
158.3	0	0	0	0	0	0	0	0	0	0	0
159.4	2	0	0	0	0	0	2	0	0	0	0
160.4	14	0	0	0	0	0	14	0	0	0	0
161.5	0	0	0	0	0	0	0	0	0	0	0
162.6	0	0	0	0	0	0	0	0	0	0	0
163.6	0	0	0	0	0	0	0	0	0	0	0
164.7	0	0	0	0	0	0	0	0	0	0	0
165.8	5	0	0	0	0	0	5	0	0	0	0
166.8	12	0	0	0	0	0	12	0	0	0	0
167.9	5	0	0	0	0	0	4	0	0	0	0
168.9	0	0	0	0	0	0	0	0	0	0	0
170.0	9	0	0	0	0	0	9	0	0	0	0
171.1	7	0	0	0	0	0	7	0	0	0	0
172.1	7	0	0	0	0	0	7	0	0	0	0
173.2	0	0	0	0	0	0	0	0	0	0	0
174.3	3	0	0	0	0	0	3	0	0	0	0
175.3	5	0	0	0	0	0	5	0	0	0	0
176.4	4	0	0	0	0	0	4	0	0	0	0
177.4	4	0	0	0	0	0	4	0	0	0	0
178.5	1	0	0	0	0	0	1	0	0	0	0
179.6	0	0	0	0	0	0	0	0	0	0	0
180.6	0	0	0	0	0	0	0	0	0	0	0
181.7	0	0	0	0	0	0	0	0	0	0	0
182.7	1	0	0	0	0	0	1	0	0	0	0
183.8	0	0	0	0	0	0	0	0	0	0	0
184.9	3	0	0	0	0	0	3	0	0	0	0
185.9	0	0	0	0	0	0	0	0	0	0	0
187.0	4	0	0	0	0	0	4	0	0	0	0
188.1	0	0	0	0	0	0	0	0	0	0	0
189.1	0	0	0	0	0	0	0	0	0	0	0
190.2	0	0	0	0	0	0	0	0	0	0	0

Table 57. Dosage Measurement

TRIAL 017R1(DP1-001), 25 JAN 73, 13:59:00, RP 040K0

SAMPLING POSITION	GRID REFERENCE			OBSERVED DOSEAGE (MG. MIN/M <sup>2</sup> * 3)
	X (M)	Y (M)	Z (M)	
1	.00	.00	.00	.00
2	.00	1.00	.00	.00
3	.00	2.00	.00	.00
4	.00	3.00	.00	.00
5	.00	4.00	.00	57.98
6	.00	5.00	.00	70.48
7	.00	6.00	.00	29.87
8	.00	7.00	.00	.00
9	.00	8.00	.00	.00
10	.00	9.00	.00	.00

DOSEAGE ALONG SIGHT LINE = 158.23 (MG. MIN/M<sup>2</sup> \* 3)

Table 58. Concentration thru Time

TRIAL B17R1(DP1-001), 25 JAN 78, 13:56:00, RF :PCKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3										
		10	9	8	7	6	5	4	3	2	1	
.1	0	0	0	0	0	0	0	0	0	0	0	0
1.1	6	0	0	0	0	0	0	0	0	0	0	0
2.2	0	0	0	0	0	0	0	0	0	0	0	0
3.2	5	0	0	0	0	0	0	3	1	0	0	0
4.3	10	0	0	0	0	0	0	9	0	0	0	0
5.4	9	0	0	0	0	0	0	9	0	0	0	0
6.4	15	0	0	0	0	0	0	15	0	0	0	0
7.5	8	0	0	0	0	0	0	8	0	0	0	0
8.5	6	0	0	0	0	0	0	6	0	0	0	0
9.6	12	0	0	0	0	0	0	12	0	0	0	0
10.7	9	0	0	0	0	0	0	7	1	0	0	0
11.7	9	0	0	0	0	0	0	8	0	0	0	0
12.8	17	0	0	0	0	0	0	15	1	0	0	0
13.9	15	0	0	0	0	0	0	13	2	0	0	0
14.9	4	0	0	0	0	0	0	0	4	0	0	0
16.0	6	0	0	0	0	0	0	2	4	0	0	0
17.0	3	0	0	0	0	0	0	0	3	0	0	0
18.1	0	0	0	0	0	0	0	0	0	0	0	0
19.2	0	0	0	0	0	0	0	0	0	0	0	0
20.2	2	0	0	0	0	0	0	0	2	0	0	0
21.3	1	0	0	0	0	0	0	0	1	0	0	0
22.4	2	0	0	0	0	0	0	0	2	0	0	0
23.4	2	0	0	0	0	0	0	0	2	0	0	0
24.5	8	0	0	0	0	0	0	0	8	0	0	0
25.5	18	0	0	0	0	0	0	1	16	0	0	0
26.6	34	0	0	0	0	0	0	30	4	0	0	0
27.7	29	0	0	0	0	0	0	22	6	0	0	0
28.7	14	0	0	0	0	0	0	9	4	0	0	0
29.8	3	0	0	0	0	0	0	0	3	0	0	0
30.9	36	0	0	0	0	0	0	31	5	0	0	0
31.9	47	0	0	0	0	0	0	40	6	0	0	0
33.0	37	0	0	0	0	0	0	35	2	0	0	0
34.0	12	0	0	0	0	0	0	5	7	0	0	0
35.1	8	0	0	0	0	0	0	0	8	0	0	0
36.2	17	0	0	0	0	0	0	0	17	0	0	0
37.2	14	0	0	0	0	0	0	0	14	0	0	0
38.3	36	0	0	0	0	0	0	0	36	0	0	0
39.4	30	0	0	0	0	0	0	0	30	0	0	0
40.4	29	0	0	0	0	0	0	0	29	0	0	0
41.5	47	0	0	0	0	0	0	0	47	0	0	0
42.5	41	0	0	0	0	0	0	0	41	0	0	0
43.6	48	0	0	0	0	0	0	25	22	0	0	0
44.7	46	0	0	0	0	0	0	30	16	0	0	0
45.7	31	0	0	0	0	0	0	19	12	0	0	0
46.8	21	0	0	0	0	0	0	19	1	0	0	0

Table 58. Concentration thru Time (Cont.)

TRIAL #17R1(DPA-LU1), 23 JAN 76, 13:58:00, RF 0700

TIME SECS	CL %M**2	CONCENTRATIONS %G/M**3									
		10	9	8	7	6	5	4	3	2	1
47.9	19	0	0	0	0	0	1	17	0	0	0
48.9	34	0	0	0	0	0	20	13	0	0	0
50.0	40	0	0	0	0	0	14	26	0	0	0
51.0	31	0	0	0	0	0	21	10	0	0	0
52.1	25	0	0	0	0	0	14	11	0	0	0
53.2	27	0	0	0	0	0	15	12	0	0	0
54.2	56	0	0	0	0	0	6	49	0	0	0
55.3	16	0	0	0	0	0	0	16	0	0	0
56.4	28	0	0	0	0	0	0	28	0	0	0
57.4	47	0	0	0	0	0	0	47	0	0	0
58.5	40	0	0	0	0	0	0	40	0	0	0
59.5	17	0	0	0	0	0	0	17	0	0	0
60.6	19	0	0	0	0	0	0	19	0	0	0
61.7	20	0	0	0	0	0	0	20	0	0	0
62.7	37	0	0	0	0	0	0	37	0	0	0
63.8	29	0	0	0	0	0	0	29	0	0	0
64.9	53	0	0	0	0	0	0	53	0	0	0
65.9	27	0	0	0	0	0	0	27	0	0	0
67.0	14	0	0	0	0	0	0	14	0	0	0
68.0	12	0	0	0	0	0	0	12	0	0	0
69.1	9	0	0	0	0	0	0	9	0	0	0
70.2	4	0	0	0	0	0	0	4	0	0	0
71.2	40	0	0	0	0	0	0	40	0	0	0
72.3	6	0	0	0	0	0	0	6	0	0	0
73.4	43	0	0	0	0	0	0	43	0	0	0
74.4	123	0	0	0	0	0	0	43	0	0	0
75.5	50	0	0	0	0	0	71	51	0	0	0
76.5	31	0	0	0	0	0	36	13	0	0	0
77.6	15	0	0	0	0	0	30	0	0	0	0
78.7	4	0	0	0	0	0	0	15	0	0	0
79.7	17	0	0	0	0	0	0	4	0	0	0
80.9	34	0	0	0	0	0	0	17	0	0	0
81.9	65	0	0	0	0	0	0	34	0	0	0
82.9	61	0	0	0	0	0	10	55	0	0	0
84.0	78	0	0	0	0	0	0	60	0	0	0
85.0	60	0	0	0	0	0	0	78	0	0	0
86.1	97	0	0	0	0	0	51	9	0	0	0
87.2	147	0	0	0	0	0	96	0	0	0	0
88.2	58	0	0	0	0	0	143	4	0	0	0
89.3	0	0	0	0	0	0	35	23	0	0	0
90.4	21	0	0	0	0	0	0	0	0	0	0
91.4	0	0	0	0	0	0	0	21	0	0	0
92.5	5	0	0	0	0	0	0	0	0	0	0
93.5	13	0	0	0	0	0	1	3	0	0	0
94.6	7	0	0	0	0	0	6	7	0	0	0

Table 58. Concentration thru Time (Cont.)

TRIAL B17R1(DP1-001), 25 JAN 78, 13:58:00, RF SMOKE

TIME SECS	CL MC/M**2	CONCENTRATIONS MC/M**3									
		10	9	8	7	6	5	4	3	2	1
95.7	7	0	0	0	0	0	0	7	0	0	0
96.7	19	0	0	0	0	0	2	16	0	0	0
97.8	47	0	0	0	0	0	36	11	0	0	0
98.9	19	0	0	0	0	0	0	19	0	0	0
99.9	6	0	0	0	0	0	0	6	0	0	0
101.0	2	0	0	0	0	0	0	2	0	0	0
102.0	6	0	0	0	0	0	0	0	0	0	0
103.1	0	0	0	0	0	0	0	0	0	0	0
104.2	6	0	0	0	0	0	0	6	0	0	0
105.2	79	0	0	0	0	0	77	2	0	0	0
106.3	234	0	0	0	0	0	233	0	0	0	0
107.4	72	0	0	0	0	0	71	0	0	0	0
108.4	57	0	0	0	0	5	52	0	0	0	0
109.5	41	0	0	0	0	0	40	0	0	0	0
110.5	56	0	0	0	0	0	48	7	0	0	0
111.6	14	0	0	0	0	0	11	3	0	0	0
112.7	34	0	0	0	0	0	0	33	0	0	0
113.7	50	0	0	0	0	0	58	2	0	0	0
114.8	81	0	0	0	0	0	81	0	0	0	0
115.9	166	0	0	0	0	0	165	0	0	0	0
116.9	193	0	0	0	0	0	181	12	0	0	0
118.0	53	0	0	0	0	0	37	15	0	0	0
119.0	59	0	0	0	0	0	54	5	0	0	0
120.1	42	0	0	0	0	0	35	6	0	0	0
121.2	53	0	0	0	0	0	51	1	0	0	0
122.2	59	0	0	0	0	0	59	0	0	0	0
123.3	75	0	0	0	0	4	70	0	0	0	0
124.4	15	0	0	0	0	8	6	0	0	0	0
125.4	61	0	0	0	0	2	59	0	0	0	0
126.5	97	0	0	0	0	1	95	0	0	0	0
127.5	30	0	0	0	0	2	27	0	0	0	0
128.6	15	0	0	0	0	0	13	2	0	0	0
129.7	59	0	0	0	0	0	2	36	0	0	0
130.7	76	0	0	0	0	0	52	24	0	0	0
131.8	38	0	0	0	0	0	36	2	0	0	0
132.9	51	0	0	0	0	0	51	0	0	0	0
133.9	32	0	0	0	0	0	32	0	0	0	0
135.0	17	0	0	0	0	0	17	0	0	0	0
136.0	13	0	0	0	0	0	13	0	0	0	0
137.1	11	0	0	0	0	0	0	11	0	0	0
138.2	17	0	0	0	0	0	6	9	0	0	0
139.2	27	0	0	0	0	0	27	0	0	0	0
140.3	3	0	0	0	0	0	3	0	0	0	0
141.4	64	0	0	0	0	0	64	0	0	0	0
142.4	74	0	0	0	0	0	74	0	0	0	0

Table 58. Concentration thru Time (Cont.)

TRIAL S17R1(DP1-CC1), 25 JAN 78, 13:52:00, RF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
143.5	58	0	0	0	0	0	58	0	0	0	0
144.5	57	0	0	0	0	0	57	0	0	0	0
145.6	5	0	0	0	0	0	5	0	0	0	0
146.7	37	0	0	0	0	0	37	0	0	0	0
147.7	52	0	0	0	0	0	52	0	0	0	0
148.8	94	0	0	0	0	0	94	0	0	0	0
149.9	26	0	0	0	0	2	26	0	0	0	0
150.9	2	0	0	0	0	2	2	0	0	0	0
152.0	26	0	0	0	0	0	26	0	0	0	0
153.0	12	0	0	0	0	0	12	0	0	0	0
154.1	38	0	0	0	0	2	38	0	0	0	0
155.2	24	0	0	0	0	2	24	0	0	0	0
156.2	3	0	0	0	0	1	3	0	0	0	0
157.3	13	0	0	0	0	0	13	0	0	0	0
158.4	32	0	0	0	0	0	32	0	0	0	0
159.4	36	0	0	0	0	0	36	0	0	0	0
160.5	63	0	0	0	0	0	63	0	0	0	0
161.5	21	0	0	0	0	0	21	0	0	0	0
162.0	8	0	0	0	0	2	8	0	0	0	0
163.7	66	0	0	0	0	1	66	0	0	0	0
164.7	28	0	0	0	0	0	28	0	0	0	0
165.8	15	0	0	0	0	0	15	22	0	0	0
166.9	14	0	0	0	0	0	14	4	0	0	0
167.9	21	0	0	0	0	0	21	2	0	0	0
169.0	12	0	0	0	0	0	12	1	0	0	0
170.0	7	0	0	0	0	0	7	9	0	0	0
171.1	5	0	0	0	0	0	5	7	0	0	0
172.2	5	0	0	0	0	0	5	5	0	0	0
173.2	29	0	0	0	0	0	29	6	0	0	0
174.3	12	0	0	0	0	0	12	1	0	0	0
175.4	23	0	0	0	0	0	23	3	0	0	0
176.4	5	0	0	0	0	0	5	0	0	0	0
177.5	1	0	0	0	0	0	1	0	0	0	0
178.5	13	0	0	0	0	0	13	1	0	0	0
179.6	17	0	0	0	0	0	17	13	0	0	0
180.7	17	0	0	0	0	0	17	10	0	0	0
181.7	2	0	0	0	0	0	2	0	0	0	0
182.8	13	0	0	0	0	0	13	2	0	0	0
183.9	11	0	0	0	0	0	11	5	0	0	0
184.9	30	0	0	0	0	0	30	0	0	0	0
186.0	20	0	0	0	0	0	20	0	0	0	0
187.0	18	0	0	0	0	0	18	0	0	0	0
188.1	0	0	0	0	0	0	0	0	0	0	0
189.2	15	0	0	0	0	0	15	0	0	0	0
190.2	3	0	0	0	0	0	3	1	0	0	0

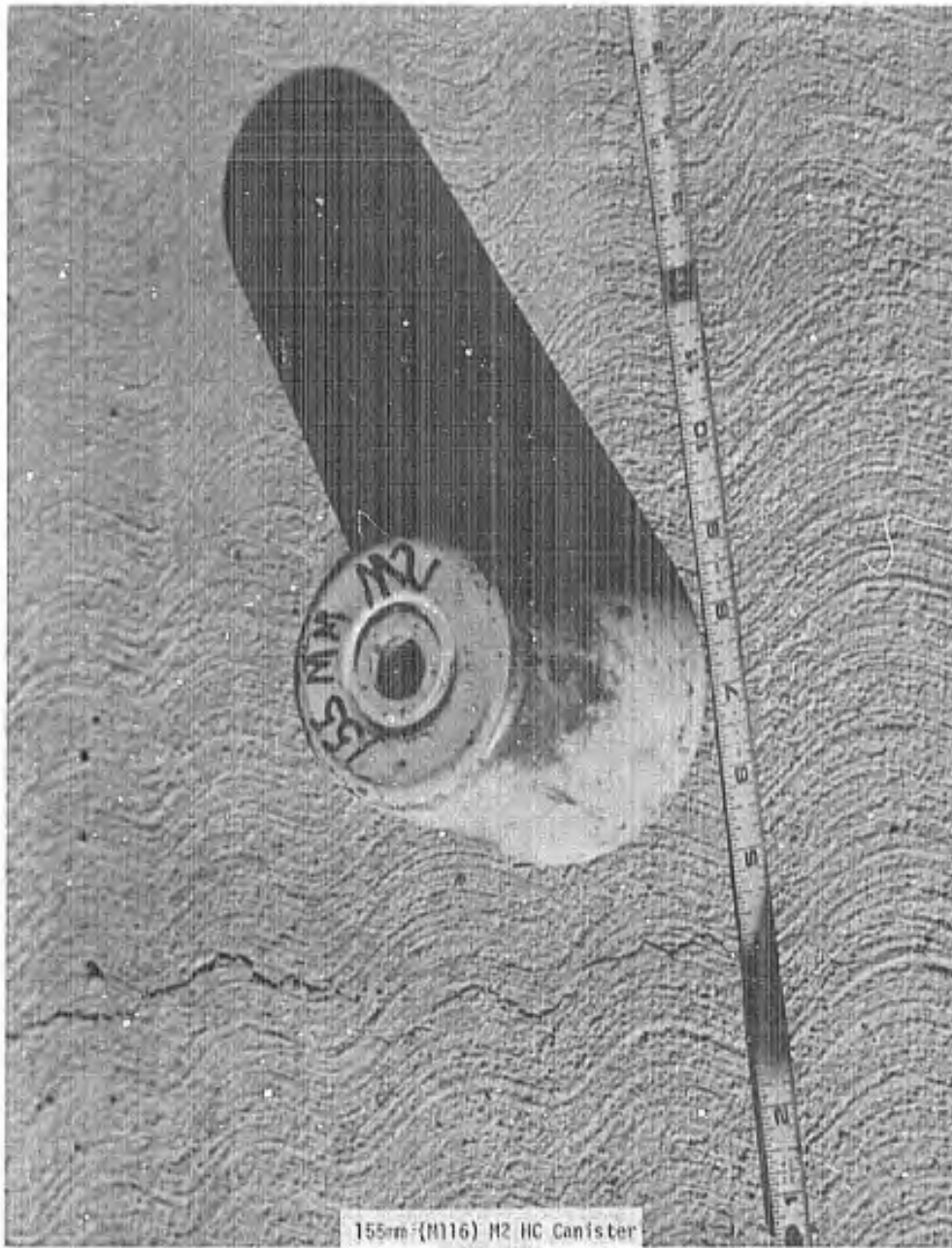
Table 58. Concentration thru Time (Cont.)

TRIAL P17R1(DP1-001), 25 JAN 78, 13:58:00, RF SMOKE

TIME SECS	CL MG/M**2	CONCENTRATIONS MG/M**3									
		10	9	8	7	6	5	4	3	2	1
191.3	0	0	0	0	0	0	0	0	0	0	0
192.4	0	0	0	0	0	0	0	0	0	0	0
193.4	0	0	0	0	0	0	0	0	0	0	0
194.5	15	0	0	0	0	0	14	1	0	0	0
195.5	18	0	0	0	0	0	17	1	0	0	0
196.6	0	0	0	0	0	0	0	0	0	0	0
197.7	34	0	0	0	0	0	34	0	0	0	0
198.7	10	0	0	0	0	0	10	0	0	0	0
199.8	3	0	0	0	0	0	1	1	0	0	0
200.9	22	0	0	0	0	0	22	0	0	0	0
201.9	22	0	0	0	0	0	22	0	0	0	0
203.0	11	0	0	0	0	0	11	0	0	0	0
204.0	24	0	0	0	0	0	24	0	0	0	0
205.1	17	0	0	0	0	0	17	0	0	0	0
206.3	15	0	0	0	0	0	15	0	0	0	0
207.4	11	0	0	0	0	0	10	0	0	0	0
208.4	7	0	0	0	0	0	7	0	0	0	0
209.5	30	0	0	0	0	0	30	0	0	0	0
210.5	40	0	0	0	0	0	40	0	0	0	0
211.6	20	0	0	0	0	0	20	0	0	0	0
212.7	3	0	0	0	0	0	3	0	0	0	0
213.7	0	0	0	0	0	0	0	0	0	0	0
214.8	0	0	0	0	0	0	0	0	0	0	0
215.9	5	0	0	0	0	0	5	0	0	0	0
216.9	3	0	0	0	0	0	2	0	0	0	0
218.0	17	0	0	0	0	0	17	0	0	0	0
219.0	9	0	0	0	0	0	9	0	0	0	0
220.1	5	0	0	0	0	0	2	2	0	0	0
221.2	3	0	0	0	0	0	0	3	0	0	0
222.2	3	0	0	0	0	0	0	3	0	0	0
223.3	10	0	0	0	0	0	0	10	0	0	0
224.4	6	0	0	0	0	0	2	3	0	0	0
225.4	6	0	0	0	0	0	6	0	0	0	0
226.5	2	0	0	0	0	0	2	0	0	0	0
227.5	2	0	0	0	0	0	2	0	0	0	0
228.6	0	0	0	0	0	0	0	0	0	0	0
229.7	3	0	0	0	0	0	3	0	0	0	0
230.7	9	0	0	0	0	0	9	0	0	0	0
231.8	2	0	0	0	0	0	2	0	0	0	0
232.9	0	0	0	0	0	0	0	0	0	0	0
233.9	0	0	0	0	0	0	0	0	0	0	0
235.0	0	0	0	0	0	0	0	0	0	0	0
236.0	0	0	0	0	0	0	0	0	0	0	0
237.1	0	0	0	0	0	0	0	0	0	0	0
238.2	2	0	0	0	0	0	2	0	0	0	0



155mm (M116) M1 HC Canister  
G-255



155mm (M116) H2 HC Canister  
B-256



105mm IIC Canister  
B-257



2.75 in. Rocket WP Wedge  
B-258

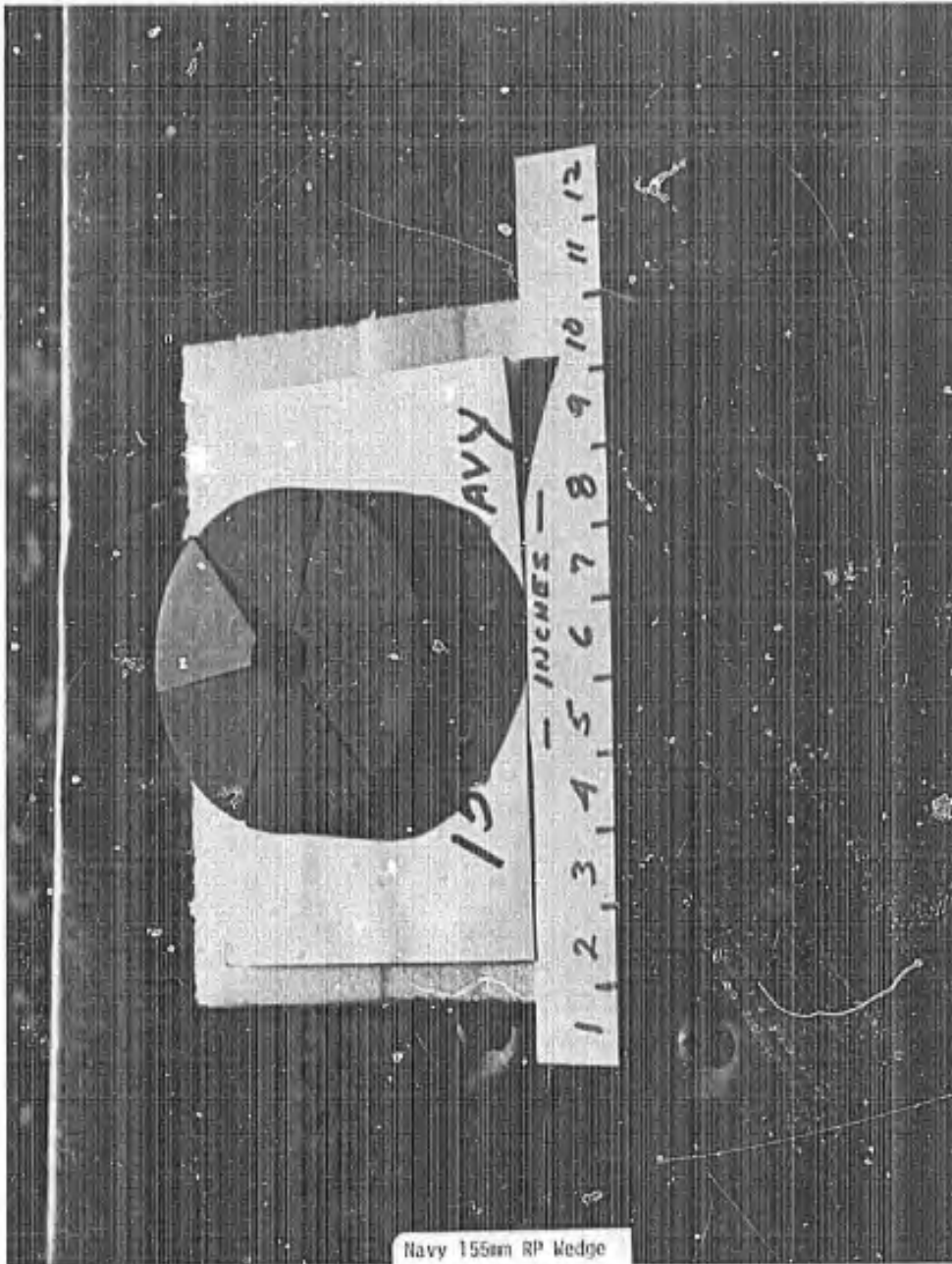


Six Inch WP Wick  
B-259

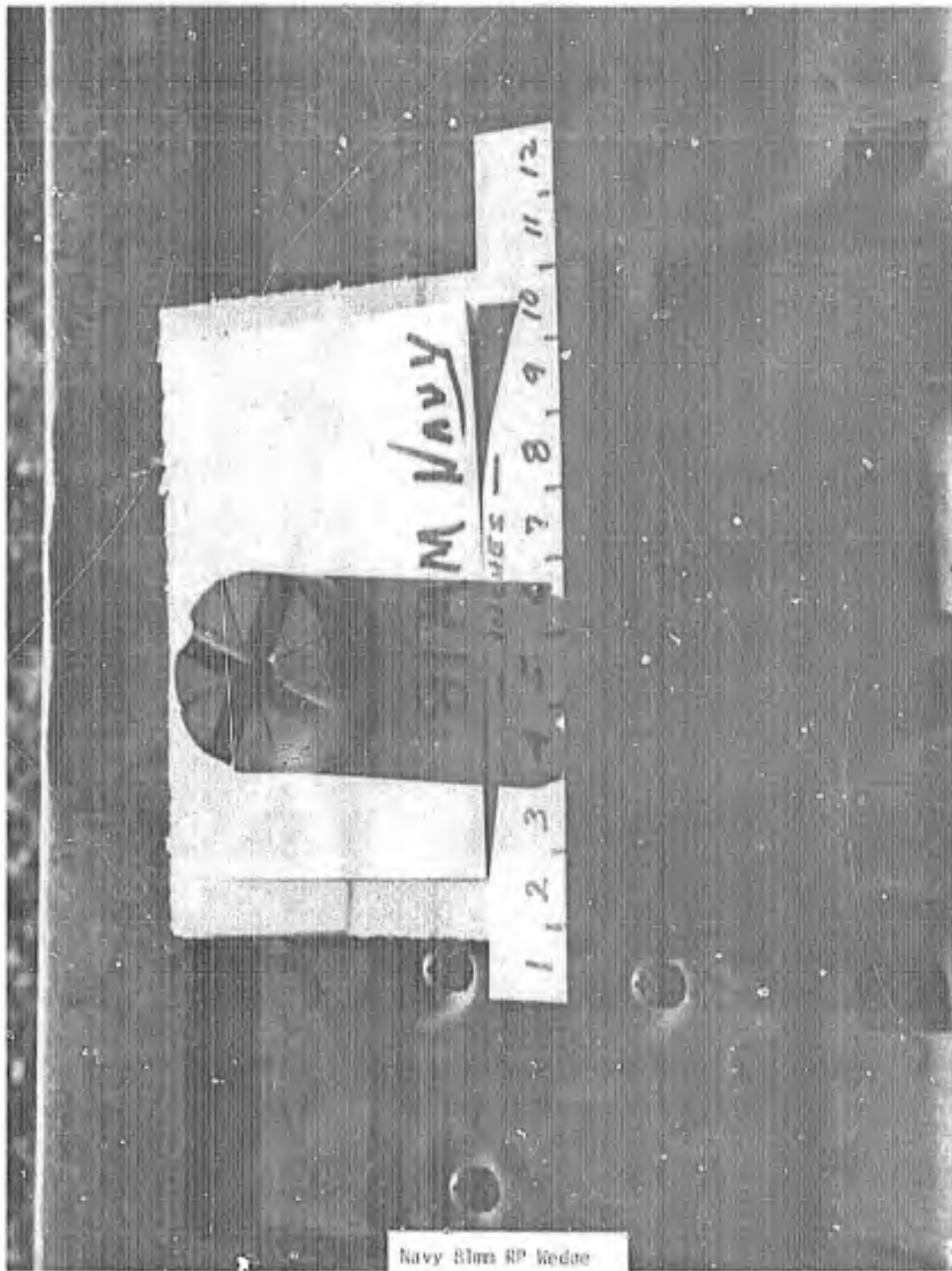


Three Inch WP Wick

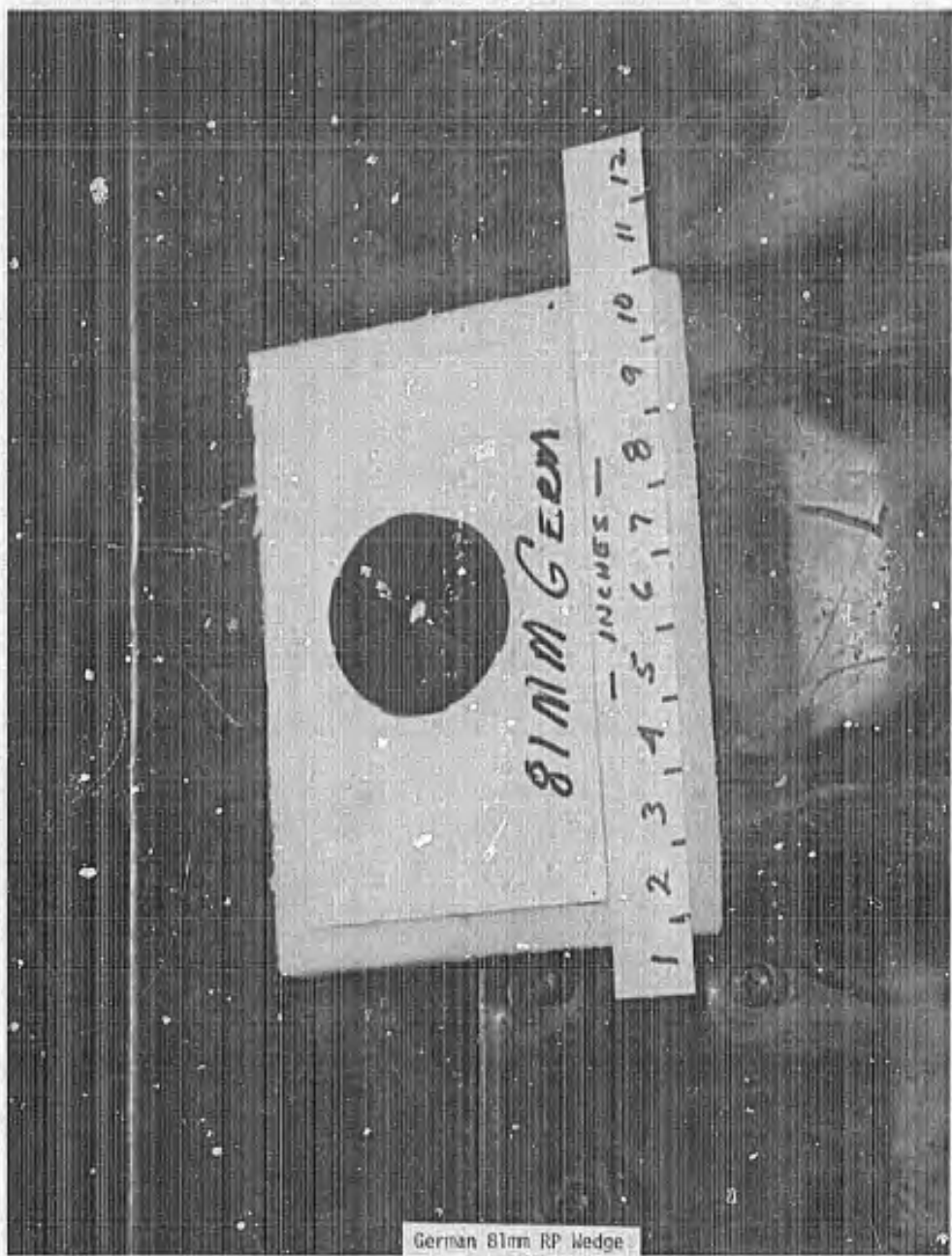
B-260



Navy 155mm RP Wedge  
B-261



Navy Blum RP Redoe  
8-262



German 81mm RP Wedge

B-263



Horizontal Grid Instrumentation

B-264

### APPENDIX C. REFERENCES

1. Meeting, Smoke Characterization Testing, held at Dugway Proving Ground, 16 March 1977, attended by representatives of AMSAA, OPM Smoke and ASL.
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4. U.S. Army Materiel Development and Readiness Command Regulation, AMCR 385-103, Safety Guide for the Processing, Handling and Decontamination of White Phosphorus (WP), December 1965.
5. Johnson, M.C., The Effectiveness of Obscuring Smoke, MUCOM, ORG, Edgewood Arsenal, MD (Draft), September 1972.
6. Disposition Form, STEDP-MT-S, June 1977, Subject: Development of ADP Software for Smoke/Obscurant Testing, Phase II.
7. Disposition Form, STEDP-MT-S, 27 April 1977, Subject: Development of ADP Software for Smoke/Obscurant Testing.
8. Dugway Proving Ground Final Report (DPG-FR) 76-701, Methodology Investigation for Testing Effectiveness of Smoke/Aerosol Munitions, Pilot Study (DRAFT), TECOM Project No. 7-CO-RD6-DP1-005, Dugway Proving Ground, Utah, April 1977.
9. Operational Plan and Safety Annex for Basic Smoke Characteristics Test (Phase I), TRMS Number 7-CO-RE7-DP1-001, Dugway Proving Ground, Dugway, Utah, August 1977.
10. US Army Final Report, Calibration of Mesh Sampler for US Army Test C990A (U), E. G. Peterson, G. E. Musgrave, and H. D. Davis, September 1975, SECRET.
11. DPG Wind Tunnel Modification and Evaluation by E. G. Peterson, E. E. Covert, D. L. Hansen, October 1972, UNCLASSIFIED.
12. Smoke Test of the Grenade, RP, L8A-1, Final Test Report June 1978.

## APPENDIX D. ABBREVIATIONS

AMSAA	U.S. Army Materiel Systems Analysis Activity
AP	Aerosol photometer
ASL	Atmospheric Sciences Laboratory
CI	Chemical impinger
DPG	Dugway Proving Ground
g	Gram(s)
HC	Zinc oxide aluminum hexachloroethane mixture
I.D.	Inside diameter
JTCG/ME	Joint Technical Committee Group/Munition Efficiency
kg	Kilogram
mg	Milligram
mm	Millimeter
O.D.	Outside diameter
pps	Pictures per second
PSA	Particle size analyzer
RP	Red phosphorus
sec	Second(s)
TECOM	U.S. Army Test and Evaluation Command
WP	White phosphorus
Zn	Zinc

APPENDIX E. DISTRIBUTION LIST

<u>Addressee</u>	<u>Number</u>
Commander U.S. Army Test and Evaluation Command ATTN: DRSTE-ME Aberdeen Proving Ground, MD 21005	2
Commander U.S. Army Materiel Systems Analysis Activity ATTN: DRXSY-GP Aberdeen Proving Ground, MD 21005	10
OPM Smoke ATTN: DRCPM-SMK-T Aberdeen Proving Ground, MD 21005	10
Commander U.S. Army Dugway Proving Ground Dugway, UT 84022	12
Distribute as follows:	
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-PP	1
-MT-DA	7
-QA	1
-SA	1