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MATHEMATICAL MODELING OF CHROMIUM EMISSIONS FROM REFINERY COOLING TOWERS

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ABSTRACT

This report presents the results of model predictions for a prototype refinery cooling tower positioned in five areas of the United States. The six-cell mechancial-draft cooling tower was assumed to use chromium as an anti-corrosive agent; consequently chromium is released as part of the drift emission from the cooling tower. Predicted were airborne hexavalent chromium concentrations on an annual averaged basis at ground level. Predictions made in this report will be used by the U.S. EPA to assess the carcinogenic risk associated with the resulting chromium inhalation exposures.

The EPRI SACTI (Seasonal Annual Cooling Tower Impacts) Model was used to provide airborne chromium predictions. That model was modified for the present study in two ways. First, an improved cooling tower performance model was included in the SACTI Model. Second, the treatment of atmospheric turbulence effects on drift droplet dispersion in the atmosphere was added into SACTI. Characteristics of the prototype refinery cooling tower were provided by EPA based on field measurements on similar towers. The most significant aspect of those measured data was the fact that approximately 97% of the droplet mass was in the range of small drops of size less than 10 microns.

Predictions of the modified SACTI Model indicate that airborne chromium predictions increase with distance from the cooling tower up to a maximum at 0.5 to 2.5 km from the tower and then decrease with distance. The airborne chromium concentrations reach a peak (over the five sites) of about 2×10^{-3}. Then there is about a 200 fold decrease to 50 km. The differences in predictions among the five sites is typically a factor of 5 at any given distance beyond about 3 km. Within the 3 km distance, near-field effects are important and lead to greater variations among the sites in that short distance range.

A sensitivity study was also carried out concerning alternative treatments of the source including drift droplet sizes. Included in the study were the use of an effective (single) source, the consideration or not of tower wake effects, the orientation of the tower axis, and the consideration of the settling velocity of the chromium-laden drift drops. Model predictions indicated that source characterization is important only in the near field. Differences among alternatives led to differences less than a factor of 2 in the far field (for distances greater than about 3 km from the tower).

1. INTRODUCTION

The U.S. Environmental Protection Agency is in the process of setting regulations on the emission of chromium to the atmosphere. Cooling towers can be sources of atmospheric chromium emissions because chromium-containing compounds are sometimes added to the cooling water as a corrosion inhibiting agent. Although chromium corrosion inhibitors are used in towers of all size applications including electric utilities, industrial plants, and commercial/institutional sites, use is greatest in the industrial sector, particularly in refineries and petrochemical sites.[1]

The purpose of this report is to present the prediction of air inhalation exposures to hexavalent chromium associated with drift emissions from mechanical-draft cooling towers at petroleum refineries. Carcinogenic effects of chromium appear to be due only to the hexavalent component of the total chromium emissions. The predictions have been made using a refined atmospheric transport and dispersion model as applied to a prototypical cooling tower using alternative emissions mass spectra and meteorological data from five geographical locations. In addition to the computer runs for the five geographical areas, five model sensitivity runs were made (at one site) to develop a better understanding of the physical processes contributing to the airborne chromium predictions.

The airborne chromium predictions prepared as part of this report will be used by the U. S. EPA to predict the carcinogenic risk associated with the predicted exposures. The HEM Model[2] is used to estimate the population exposed to the predicted chromium concentrations. The HEM model is comprised of (1) an atmospheric dispersion model, with included meteorological data, (2) a population distribution based on Bureau of Census data, and (3) a procedure for estimating risks due to the predicted exposure. The atmospheric dispersion model that is part of the HEM model is not suitable for the prediction of the transport of pollutants from cooling towers. Consequently, predictions from that atmospheric transport model are being replaced by the predictions here of the SACTI (Seasonal Annual Cooling Tower Impacts) Model[3]. The SACTI Model has been developed and validated for cooling tower plume and drift applications and is the most suitable model for this application. That model was developed during the period 1979-1984 by the authors of this report under contract with the Electric Power Research Institute. As will be seen in the Chapter 3, improvements to the SACTI Model have been made here to make it more appropriate for the application to small cooling towers. In any case, the combination of the SACTI and HEM model predictions will be used by EPA to determine carcinogenic exposures within a 50 km distance from the prototype towers.

This report is organized as follows. Chapter 2 presents the physics of the problem along with the refinery cooling tower scenarios that are of interest in this evaluation. The five geographic sites and their associated meteorological data will be identified along with the cooling tower characteristics. In addition, the rationale for the sensitivity studies will be discussed. Chapter 3 reviews the formulation and validation of the SACTI Model. In this chapter, the improvements made to the model for application to small towers will be discussed as well. Chapter 4 presents the results of the computer runs for the five sites and five sensitivity studies. A comparative discussion along with a physical interpretation of the results of the runs is presented in that chapter.

2. PROBLEM PHYSICS AND MODELING SCENARIOS

2.1. Introduction

The release of chromium from a cooling tower is through the small droplets that escape with the cooling tower plume. The stack effluent of a cooling tower contains water and solution drops ranging in size from only tenths of microns to more than 1000 microns, the exact upper limit depending upon the exit velocity of the cooling tower and the air flow pattern through the fan and stack. Drops below 20 microns in size are normally regarded as recondensate drops formed spontaneously due to super-saturation. Thus, these drops are not drift drops of cooling water and thus do not, at least initially, contain salts from the cooling water. It is possible that these small recondensate drops could scavenge particulates from the air as they move through the tower, but an order of magnitude estimate shows that the potential contribution of these drops to the level of toxics outside the tower is expected to be small. Drops larger than about 20 microns are regarded as drift drops, drops of cooling water which are eroded from the cooling tower fill by the air flow through the tower. These drops are considered to be the principal contributor to the level of airborne toxics outside the tower. The chromium is originally mixed with the cooling water and escapes with the drift water as it is emitted from the tower. No chromium is emitted with the air or vapor phase or with the recondensate droplets.

The chromium-containing drift droplets rise with the cooling tower plume until the weight of the droplet causes the droplet to break away from the plume and fall to the ground. The very small droplets usually evaporate rapidly to dry particles and those particles are transported to the ground due to the effects of their settling velocity and the turbulence in the atmosphere. Consequently, a prediction of the motion of the cooling tower plume is critical to predicting the fate of the droplets.

2.2 Fate of Different Size Droplets Containing Chromium

An interesting question relates to the droplet sizes that are most likely to contribute to the airborne levels of toxics at distances within and beyond about 100 m (approximate distance to the site boundary). Our studies have shown that drift drops (> 20 microns) once outside the tower exhibit two extreme categories of behavior. The larger drops, which we refer to as "rocks," fall to the ground and are deposited as solution drops with very little evaporation having taken place. The smaller drops, which we call "mist," rapidly become dry particles with small settling velocities. Because the "rocks" fall quickly to the ground, the effects of atmospheric turbulence are small and the longitudinal deposition pattern is roughly a narrrow Gaussian about the ballistic deposition point. The lifetime of the "rocks" is on the order of only a few seconds, thus preventing the slower processes of evaporation and turbulent dispersion from having a significant influence. The "mist" drops, on the other hand, are dispersed by atmospheric turbulence over a broad range of distances almost as a gaseous pollutant would be. For the mist drops, the ballistic deposition point is of little importance.

It is interesting that the division between the "rocks" and "mist" is very narrow. This is true because drop settling time <u>decreases</u> and drop evaporation time <u>increases</u> rapidly with increasing drop size. An additional factor is that small drops are carried to greater elevations by the plume and thus have longer settling times for that reason as well. Because drop settling time and evaporation time are such strong functions of drop size, the transition zone in which one finds that some drops of a given size deposit as rocks and others remain airborne dry particles is no more than about 20 microns wide. The exact dividing line between rocks and mist depends somewhat on ambient conditions, but for the small mechanical-draft cooling towers, the

division occurs roughly between 250 and 300 microns with the transitional region being only about 5 to 10 microns wide for any given set of conditions.

With the distinction between rocks and mist drawn, one can discuss the question of what size drops will fall within the site boundaries; i.e., about 100 meters from the tower. Since the only drops which will deposit exclusively in this area are the large drops or rocks, a simple ballistic analysis based on drop settling velocity, wind speed and release height can be made. If one assumes a maximum wind speed of 10 m/s, then the travel time for 100 m of downwind distance is 10 seconds. If one further assumes an effective release height of 20 m (tower height plus rise due to effect of the plume) then only drops with settling velocities greater than 2 m/s will fall within 100m of the tower. This value of settling velocity translates into an effective drop size of about 400 microns. Of course, the exact value depends on the wind speed and release height which are assumed, but 400 microns represents an approximate upper bound. Lower wind speeds and factors such as downwash all act to lower this value. Consequently, the most careful data on the the drift droplet emission spectra must be obtained for drops lower than about 400 microns.

To summarize, drops emitted from the small mechanical-draft cooling tower can be divided into four categories as follows:

(1) Recondensate Drops

Drops less than about 20 microns in diameter are formed by the condensation of pure water as the vapor plume mixes. These small drops do not carry contaminants other than those which are scavenged from the air. Moreover, the contribution of these drops to deposition and/or the level of airborne toxics is expected to be small.

(2) Small Drift Drops ("mist")

Drops ranging in size from about 20 microns to about 250 to 300 microns in diameter will evaporate rapidly outside the tower and become dry particles with small settling velocities. These drops remain airborne for a considerable distance and thus contribute to a potential inhalation toxicity problem.

(3) Large Drift Drops ("rocks") Depositing within 100 m Radius of Tower

Drops ranging in size from about 250 to 350 microns to about 400 microns in diameter will deposit as solution drops beyond 100 m from the tower creating the potential for surface damage. This may take the form of defoliation of plants or the corrosion of metal, masonry and wood surfaces.

(4) Large Drift Drops ("rocks") Depositing Within 100 m Radius of Tower

Drops greater than 400 microns in diameter will fall within about 100 m radius of the small tower and could (depending upon their flux and salt content) also be expected to produce surface damage due to deposition.

A related issue relates to whether there is a lower bound in drop size below which all drops will deposit beyond a 50 km radius of the tower. As pointed out above, the small drift or "mist"

drops are dispersed in much the same manner as a gaseous pollutant with the point of maximum concentration independent of the ballistic deposition point. This point of maximum concentration generally falls well below 50 km for all drops of practical interest. Thus, the only lower bound of significance is the division between drift drops and recondensate drops at about 20 microns in diameter. Results of model predictions presented below provide more precise information on those issues.

2.3 Prototype Refinery Cooling Tower Characteristics

This section describes the "standard" mechanical-draft cooling tower that is assumed to be present at a refinery. The data on such a tower was provided by the U.S. EPA based largely upon field measurements made at three small mechanical-draft cooing towers. Table 1 presents data on the basic tower characteristics and Tables 2 and 3 present the emissions from such a tower. In Tables 2 and 3, the representative emissions from the tower is indicated by the term "standard." The implementation of special drift eliminators and a special tower fill structure could lead to emissions as low as the "controlled" data indicate. In addition to the data provided in Tables 1-3, information on the density of the dry salt that would be present by evaporation of the cooling water (or evaporation of drift droplets emitted from the tower) was calculated as follows:

$$R_{dry\ salt} = 0.17\ R(Na_2CO_3) + 0.35\ R(CaCO_3) + 0.48\ R(MgCO_3)$$

$$= 0.17\ (2.532) + 0.35(2.930) + 0.48\ (2.958)$$

$$= 2.28$$

were R refers to density.

It should be clear from Tables 2 and 3 that the vast majority of the chromium (97% for the baseline and 99% for the controlled cases) is in droplets of size less than 30 microns. Such droplets have very small settling velocities and would be under considerable influence of atmospheric turbulence once emitted from the cooling tower. Any large droplets (e.g., 500 microns and above) would be minimally influenced by atmospheric turbulence.

It is also obvious that the droplet size spectrum presented in Table 3 is at odds with the classical scenario presented in Section 2.2. The discussion in Section 2.2 is based on previous measurements of drift droplet spectra for small mechancial-draft cooling towers (for example, see Ref. 4 and comparison in Table 4). The reason for the differences between previous data and the new EPA data has not been resolved. It should be stated, however, that although the EPA spectrum showed 97% of the chromium emissions contained in drops less than 30 microns, the EPA data did not include measurements of chromium emissions for drops smaller than 30 microns. Droplet sizes were measured only for droplets greater than 30 microns in diameter. The measured chromium emission flux was found to greatly exceed the calculated chromium mass flux (determined from the measured drop size distribution greater than 30 microns

assuming that each drop has a chromium concentration equal to the basin water concentration). The difference between these two chromium flux emission numbers was assumed to be the chromium flux contained within droplets (unmeasured) with sizes less than 30 microns. The precise distribution of chromium and droplet sizes below 30 microns was not known from the measurements made. It should be pointed out that there were no known flaws in either the more classical data (see Ref 4) or the new EPA data.

2.4 Description of Meteorological Scenarios and Sensitivity Studies

The characteristics of the cooling tower and its emissions has been presented in Section 2.3. Given that tower design, annual averaged predictions within 50 km from that tower were to be predicted for five sites representing different meteorological conditions. These sites are:

(a) Newark, New Jersey siting of the tower --- includes 5 years of surface meteorological data from Newark and the same 5 years of mixing height data based on upper air measurements from Kennedy Airport in New York City. The period of record for this run was January 1, 1970 - December 31, 1974.

(b) Houston, Texas siting of the tower --- includes 5 years of surface meteorological data from Houston and the same 5 years of mixing height data based on upper air measurements from Lake Charles, Texas. The period of record for this run was January 1, 1973 to December 31, 1977.

(c) Los Angeles, California siting of the tower --- includes 5 years of surface meteorological data from Los Angeles and the same 5 years of mixing height data based on upper air measurements from Vandenberg Air Force Base. The period of record for this run was January 3, 1970 to January 1, 1975.

(d) Chicago, Illinois siting of the tower --- includes 5 years of surface meteorological data from Chicago (Midway airport) and the same 5 years of mixing height data based on upper air measurements from Peoria, Illinois. The period of record for this run was January 1, 1973 to December 31, 1977.

(e) Oakland, California siting of the tower --- includes 5 years of surface meteorological data from Alameda, California. Since the available mixing height tape (based on upper air measurements from Oakland, California) had only three years of overlap with the surface data (and of these, several months of mixing height data were missing), a constant mixing height was used for the five years instead. The period of record for this run was January 1, 1968 to December 31, 1972.

The differences in predictions among the five sites should provide an indication of the range in values of airborne chromium concentrations from similar towers over the continental United States. Those five sites were chosen by EPA because they represent a reasonable range in climate over the contiguous 48 states. Considering that for each of the five sites both a baseline and controlled emissions case had to be run, there were a total of 10 computer runs made in this portion of the work.

In addition to studying the effects of the meteorology on the airborne chromium concentrations, there was also interest in studying the effects of some of the physical phenomena modeled by the SACTI code. Taking the Newark case (with "baseline" emissions) as the standard, five additional computer runs were made. They were made under the following assumptions:

(a) single effective source, with wake effects --- In this run, all fluxes from the three cells of the cooling tower were combined to make one cell of emissions. In this way, the merging of plumes would not be treated in the SACTI code and only the plume and drift from one expanded cell would be modeled,

(b) multiple source, no wake effects --- In this run, the SACTI model was run with a suppression of the wake effects logic; i.e., no downwash was permitted as well as no entrainment due to the wake of the tower.

(c) multiple source, single-bin droplet size spectrum --- In this run the SACTI model was used without changes except that the input droplet size spectrum has only one droplet size range. That range was 0.1 to 1.0 microns. In this way, all the droplet mass was placed in one small droplet size range. An indication would thereby be provided as to the effect of the droplet settling velocites on the ground-level airborne chromium concentrations. This run effectively eliminated the effect of the droplet settling velocity on the airborne chromium predictions at ground level.

(d) "gas" run --- In this run, the assumptions under (a), (b), and (c) were combined. Consequently, the tower was represented as one cell with combined heat, mass, and momentum fluxes. There was no downwash or wake effects. Furthermore, all the droplet mass containing the chromium was in such as small drop size range that the drops were effectively acting like a gas. The combination of the above three assumptions mimics in the closest possible run of an EPA UNAMAP model for this application (making no adjustments from droplet settling velocities). Although the ISCST and ISCLT models allow particle settling, those models do not handle the evaporation of droplets (and the consequent changing settling velocities) as they travel from the tower to the ground.

(e) "normal" orientation of the tower --- In this run, the prototype cooling tower was rotated 90 degrees from its east-west orientation (at Newark) to a north-south orientation. This was done to see the effects of tower orientation on ground-level airborne chromium concentrations. In general, the axis of a cooling tower is oriented in line with the predominant wind direction so as to minimize re-entrainment of emitted plume air back into the air intake of the tower. Such recirculation decreases the efficiency of the tower and adds an economic penalty. However, a short survey of refinery operators indicated that due predomiantly to the allocation of space in a refinery complex, no general statement can be made as to the location of the tower axis with respect to the predominant wind. Since the in-line and normal directions of the tower axis with respect to the wind are the two extreme cases in terms of airborne chromium impacts, this last sensitivity run should provide the range in differences that might occur for other angles of orientation.

3. THE SACTI MODEL AND ITS SPECIAL IMPROVEMENTS

3.1. Introduction

The SACTI (seasonal/annual cooling tower impacts) computer model (Ref. 3) was used to predict the average annual airborne concentrations of chromium from the linear mechanical-draft tower identified in Chapter 2. That model is an extension of earlier work (Refs. 5-7) which involved the development of models for natural and mechanical-draft cooling tower plume rise and drift deposition. Those latter models are applicable under a single set of meteorological conditions. The SACTI Model uses those models with a site meteorological tape to provide seasonal or annual predictions. A brief description of the single-case model and the simulation of average annual impacts will be given below.

The plume model is of integral type and solves equations of mass, momentum, enthalpy, total water, and liquid water. Top hat profiles of plume variables are used with the determination of peak conditions by means of Gaussian profiles. Tower downwash for multiple sources such as a mechanical-draft cooling tower is treated by means of the addition of a downward-directed pressure drag force due to the wake of the tower and additional entrainment when plume/tower wake interaction occurs. The additional dilution occurring during downwash was modeled by employing the empirical relations of Halitsky (Ref. 8) as a basis. The plume merging methodology is based on the work of Wu and Koh (Ref. 9); the method treats the trajectories of each plume separately and accounts for their relative orientation at the time of merging. The basic conservation equations are maintained during the merging process.

The treatment of drift dispersion for a linear mechancial-draft cooling tower involves the tracking of droplets from every cell from the stack exit to deposition. Although droplets in each size range are followed for each cell, approximations for deposition distances are used based upon deposition information computed from the drift released from the upwind cell of the tower. The multiple-cell drift model contained contained within SACTI (Ref. 7) employs the ballistic methodology in the treatment of droplet deposition, ignoring atmospheric turbulence effects. Droplets are assumed to break away from the plume when they have fallen from the plume centerline a distance equal to the plume radius. The drift model has an improved treatment of evaporation that is consistent with observational data. That treatment leads to a different final state of a droplet: a porous particle instead of a commonly assumed solid crystalline particle.

The multiple-tower drift model described briefly above is employed in a methodology that predicts seasonal or annual ground-level concentrations. This SACTI model identifies different categories of plumes that can be expected at a given site based on the available meteorological data (five years of surface data in this application) and tower performance considerations. For multiple-source configurations, the concept of representative wind directions is introduced so that the effects of local geometry (orientation of tower(s) to wind directions) can also be included in a cost-effective manner. In this approach, model predictions for each one of the 16 traditional wind directions is represented by predictions from one of typically 3 to 5 representative directions considering the symmetry of the problem. In the present situation, model predictions for the characteristic wind directions of 0 deg (inline), 22.5 deg (oblique), and 90 deg (normal) were used to represent predictions for all wind direction angles. In general, the treatment of very complex configurations typical of current designs is easily handled in this manner.

For linear mechancial-draft cooling towers, the model has been validated at the Benning Road Power Plant (560 MWe, two towers) in Washington, D.C. and at the Gaston Power Plant (800 MWe, two towers) in Alabama (Ref. 6). Visible plume length and visible plume rise were

predicted within a factor of two for 80% of the cases tested. For drift deposition, the model was tested with ground-level sodium deposition rate data at the Pittsburg, California plant (730 MWe, two towers) (Ref. 7). In spite of a number of limitations with the data, the predicted sodium deposition rate was within a factor of 3 at 50% of all ground samplers.

3.2 Special Enhancements to SACTI Model for Small-Tower Chromium Applications

The original version of the SACTI Model (Refs. 3, 5-7) was modified in four ways for the current application:

(a) The modeling of ground-level airborne concentrations of contaminants was added to the model,

(b) The tower performance model was improved and generalized to handle small mechancial-draft towers of counterflow type,

(c) De-icing of the tower by the tower operator during the winter was modeled, and

(d) The effect of atmospheric turbulence on the motion of the drift droplets once they break away from the plume was included in the model.

Each of these items will be discussed briefly below.

Modeling of Airborne Chromium Concentrations

In the original version of SACTI, only the salt-drift deposition rate (kilograms per square kilometer per month) and the water deposition rate (kilograms per square kilometer per month) at ground level were predicted for the drift droplet plume. Airborne concentrations were added to the model recognizing that for a given drop size and location, the airborne concentration times the settling velocity of the drop is equal to the deposition rate. From the deposition rate and the settling velocity, the airborne concentration was predicted. Once the ratio of chromium emission rate from the tower to the salt emission rate is known, that ratio is used to estimate the chromium deposition rate from the salt deposition rate (see Table 2). Clearly, the quantities of salt and chromium in each drop remain the same as that drop is transported from the tower to the ground.

Improvement in Theoretical Formulation of Tower Performance Model

The earlier version of SACTI employed a simple model of tower performance. The exit velocity of the plume was computed from the air flow rate of the tower, the number of cells, and the radius of the cells. The exit humidity was assumed to be 100%. The exit temperature was computed from a simple enthalpy balance concerning the enthalpy of air entering the tower, the heat rejected to the tower, and the exit enthalpy of the plume. The assumption of 100% relative humidity of the exiting air was a good assumption for larger towers but would not be accurate at all times for small towers.

In order to remedy this situation, an improved tower performance model (Ref. 10) was used. That Sullivan-Dunn tower performance model was based on the enthalpy theory of Merkel; that theory has been almost universally accepted due to the fact that it deals rigorously with heat and mass transfer inside a cooling tower using a detailed numerical solution. Merkel's method is

based on a control volume energy balance at an arbitrary height within the tower. The method combines the equations of heat and mass transfer into an enthalpy-difference driving force to allow for both sensible and latent heat transfer. The Merkel theory recognizes that the analysis of cooling tower heat and mass transfer rests on the use of empirical data concerning fill performance. The method provides a simple means for interpreting these data in terms of two non-dimensional parameters kAV/L and L/G. The parameter kAV/L is the "tower performance characteristic" and is a nondimensional parameter representing the heat transfer between the warm water flowing downwards in the tower and the moist air flowing upwards to the tower exit. The parameter L/G refers to the ratio of liquid to gas flow rates in the tower.

The Sullivan-Dunn tower performance model predicted the cold water temperature of the tower on an hour by hour basis along with the fraction of water that passes through the tower that has evaporated during each hour. This model was expanded, as part of the current project, to include predictions of exit velocity, exit temperature, and exit relative humidity. Exit relative humidities less than 100% were predicted at times using this model. The modified Sullivan-Dunn Model was added to SACTI as part of this modeling exercise.

Treatment of Winter De-Icing Operations

A typical treatment of winter de-icing conditions for a small cooling tower are as follows. The cooling tower is operated at full capacity as long as the cold water temperature is above 10 deg. C (50 deg. F). When the cold water temperature is below 10 deg. C (50 deg. F), then it is assumed that the operator will sequentially turn off fans in order to maintain the cold water temperature above 10 deg C (50 deg F). This scenario was assumed to be followed for the prototype refinery cooling tower and was, therefore, implemented in the Sullivan-Dunn tower performance model described above. The reduction in the number of fans has an effect on the air flow and consequently on the tower exit velocity, temperature, and humidity. Changes in those variables has an effect on plume rise and plume dispersion.

Treatment of Atmospheric Turbulence of Drift Droplets

The original SACTI Model employed the ballistic technique in treating the transport and deposition of drift droplets emitted from the cooling tower. This technique ignored the effect of atmospheric turbulence on the motion of the drift drops. In the ballistic method, the droplets were transported to the ground (once released from the plume) only on the basis of wind speed (variable with height) and droplet settling velocity (variable with drop size during evaporation). Such a treatment was satisfactory for large cooling towers since drift calculations were used predominantly to assess potential vegetation damage near the cooling tower. Such damage would be the result of deposition of only the large drops which are little influenced by atmospheric turbulence. In the present application, any inhalation of airborne hexavalent chromium leads to some risk. Consequently accurate predictions out to 50 km from the cooling tower are required in the modeling. As a result of this need for accuracy at large distances from the tower, the implementation of atmospheric turbulence effects was felt necessary.

Originally, implementation of the Dunn-Boughton Monte Carlo Model (Ref. 11) was attempted in the drift algorithm of SACTI. That model represents the state-of-the-art in modeling (a) drop transport, (b) droplet evaporation, and (c) atmospheric turbulence for salt-laden droplets in the atmosphere. Unfortunately, the combined model (SACTI and Dunn-Boughton) did not lead to computer run times that were practical. Consequently, a simpler but quite accurate approximation to the Dunn-Boughton Model was used in its place. This approximate model was the method of Csanady (Refs. 12,13). The Csanady method performed best among several competitors when compared to the Dunn-Boughton Model and to

field data on dispersing droplets and particulates.

The SACTI Model as modified above for the present application was then applied to the five meteorological scenarios and the five sensitivity runs for the Newark, New Jersey case. The results of those computer runs are presented in the next chapter.

4. SUMMARY OF RESULTS OF SACTI MODEL PREDICTIONS

The results of the SACTI Model runs for the five meteorological sites and the special sensitivity runs are presented below. Figures 1-5 present the wind rose for each of the five meteorological sites. These wind roses were based on the five years of surface meteorological data that were used for the SACTI Model predictions. The 6-cell cooling tower was oriented with its axis in-line with the predominant wind direction so as to minimize the effects of tower downwash. Therefore for Newark, Houston, and Chicago, the tower was oriented north-south; for Los Angeles and Oakland, the tower was oriented east-west. The ground pattern of airborne chromium concentration will generally match the pattern of the wind rose. It should be emphasized that presented in Figures 1-5 are frequencies of occurrence of winds on the basis of the direction from which the winds are blowing (typical meteorological definition).

Predictions of airborne chromium concentrations for each of the five sites (baseline and controlled cases) are presented in Figures 6-15. The curves denoted "angular average" represent the arithmetic average of the 16 angular predictions (N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, and NNW) for each distance. The curves denoted "Maximum at Distance" represents the maximum value of the 16 angular predictions for a given distance downwind. It should be recognized that points on this type of curve (chromium concentration versus distance) are not necessarily obtained from the same wind direction. The curves denoted "Minimum at Distance" represents the minimum value of the 16 angular predictions for a given distance downwind. All plots show the decay of airborne chromium concentration with distance to 50 km. These ten graphs are summarized in Figures 16-19 in which the angular average curves for each site (baseline and controlled) are compared. Figures 16 and 17 are for the baseline case with Figure 16 showing the decay of concentration with distance out to 10 km and Figure 17 showing the rate of decrease for the distance range 0-50 km. Figures 18 and 19 are similar to Figures 16 and 17 but for the controlled case.

The conclusions that may be drawn from examination of these figures is as follows:

(a) Airborne chromium concentrations for each case rise to a peak at between 0.5-1.5 km from the tower and then decrease rapidly with distance. Since the emission is elevated (i.e., not at ground level), this an expected result. Concentrations are clearly zero at the base of the tower, increase with distance as the drift droplet plume begins to touch the ground, and then decreases with distance due to the ambient dispersion that takes place.

(b) Airborne chromium concentrations for the baseline case vary from 2×10^{-3} to about 3×10^{-6}. This three order of magnitude (factor of 1000) decrease covers all five sites although the variation for an individual site was at most a factor of about 200.

(c) The highest concentrations are for the Los Angeles and Oakland sites which have very similar predictions perhaps due to the fact that they are relatively close (about 500 miles) to each other. Also, the predictions for Chicago and Newark are very similar. Significant variations among "similar" sites does exist within the first 3-5 km from the tower.

(d) The predictions for the controlled case are lower than the predictions for the baseline case by approximately a factor of 100, the same factor that chromium emissions are greater for the baseline than the controlled case. The fact that nearly all droplets are of very small size (acting much like a gas) make this conclusion an expected one. The effect of the different droplet size spectrum between the baseline and controlled cases is a very minor one since the droplet sizes in each are very small.

The results of the sensitivity study are presented in Figures 20-23. Figure 20 is the summary plot with all predictions plotted together. Figures 21-23 present individual sensitivity run predictions as compared to the Newark baseline case representing the standard. Conclusions drawn from an examination of these figures are:

(a) Except for the first 3-5 km downwind of the tower, the different methods of treating the source and emitting droplets lead to differences that are generally within a factor of 2.

(b) The largest differences among the source characterization methods occur within a distance of 3 km when near-field effects would be expected to predominate. Within this 3 km distance, the precise definition of the droplet size spectrum (for the larger droplet sizes) has a key effect on how the concentration decays with distance. The non-monotonic nature of the predictions within 1 km of the tower is a result of the drop spectrum definition for the larger drops.

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Table 1. Basic Characteristics of Prototype Cooling Tower

Tower Height	35 ft (10.7 m)
Tower Width	70 ft (21.3 m)
Tower Length	176 ft (53.6 m)
Number of Cells	6
Cell Width	28 ft (8.5 m)
Cell Length	70 ft (21.3 m)
Stack Exit Velocity	2180 ft/min (11.1 m/sec)
Stack Diameter	22 ft (6.7 m)
Stack Height	15 ft (4.6 m)
Heat Rejection Rate to Tower	405 MM Btu/hr
Recirculation Flow Rate	43.2 mgd (1.64×10^8 ltr/day)
Air Flow Rate	5,175,000 cfm (2443 m^3/sec)

Table 2. Prototype Cooling Tower Emissions (data from U.S. EPA)

Water Drift Rate (baseline)	0.04% of recirculation rate
Water Drift Rate (controlled case)	0.004% of recirculation rate
Cr^{+6} Emissions (baseline)	557 kg/year
Cr^{+6} Emissions (controlled)	96.1 kg/year
Cooling Tower Solute Concentration (also assumed to equal solute concentration of droplets at emission from cooling tower)	0.001 g(solute)/g(solution) (i.e., 1000 micrograms/ml)

Supporting Calculations for Hexavalent Chromium Emissions:

From data provided by U.S. EPA, each 1000 l/min water flow rate contains 9.3 mg Cr^{+6}/min emitted from the cooling tower. Considering that there is a 1.64×10^8 l/day water flow rate through the tower, then there must be

$$Cr^{+6} \text{ Emissions (Baseline)} = 1.64 \times 10^8 \text{ l/day } [1 \text{ day}/1440 \text{ min}] [9.3 \text{ mg } Cr^{+6}/\text{min} / 1000 \text{ l/min}]$$

$$= 1059 \text{ mg } Cr^{+6}/\text{min}$$

On a yearly basis, this yield 557 kg/year

$$Cr^{+6} \text{ Emissions (Controlled)} = 557 \text{ kg/year } [0.276/1.6] = 96.1 \text{ kg/year}$$

On a gram/sec basis, the emissions become

Cr^{+6} Emissions (Baseline) = 0.0177
(Chromium to salt fraction = 0.02332)

Cr^{+6} Emissions (Controlled) = 0.00305
(Chromium to salt fraction = 0.04018)

For the improved efficiency tower, there is less chromium emissions by the ratio (0.276/1.6).

Table 3. Drift Droplet Size Spectra for Prototype Tower (data provided by U.S. EPA)

Based on EPA-provided data, the following drift droplet size spectra are assumed in the modeling:

Drop Spectrum (Baseline Case)		
Diameter (Microns)	Mass Fraction (Baseline)	Mass Fraction (Controlled)
0-5	0.0	0.0
5-30	0.977	0.994
30-40	0.0011	0.0002
40-50	0.0006	0.0003
50-60	0.0008	0.0003
60-70	0.0015	0.0002
70-90	0.0014	0.0003
90-110	0.0012	0.0000
110-130	0.0011	0.0004
130-150	0.0014	0.0003
150-180	0.0013	0.0005
180-210	0.0011	0.0005
210-240	0.0012	0.0004
240-270	0.0011	0.0006
270-300	0.0018	0.0007
300-350	0.0015	0.0006
350-400	0.0011	0.0003
400-450	0.0015	0.0001
500-600	0.0009	0.0001
600-700	0.0003	------
700-800	0.0005	------
800-900	0.0005	------
	------	------
Total:	1.0000	1.0000

Table 4. Comparison of Drift Droplet Spectra for Small Mechanical-Draft Cooling Towers -- U.S. EPA and ESC data

	Diameter (Microns)	Mass Fraction (Baseline)	Mass Fraction (Controlled)
EPA	0-5	0.0	0.0
	5-30	0.977	0.994
	30-40	0.0011	0.0002
	40-50	0.0006	0.0003
	50-60	0.0008	0.0003
	60-70	0.0015	0.0002
	70-90	0.0014	0.0003
	90-110	0.0012	0.0000
	110-130	0.0011	0.0004
	130-150	0.0014	0.0003
	150-180	0.0013	0.0005
	180-210	0.0011	0.0005
	210-240	0.0012	0.0004
	240-270	0.0011	0.0006
	270-300	0.0018	0.0007
	300-350	0.0015	0.0006
	350-400	0.0011	0.0003
	400-450	0.0015	0.0001
	500-600	0.0009	0.0001
	600-700	0.0003	------
	700-800	0.0005	------
	800-900	0.0005	------
ESC	0-10	0.0	
	10-20	0.00178	
	20-30	0.00726	
	30-40	0.02463	
	40-50	0.03253	
	50-60	0.02565	
	60-70	0.01548	
	70-90	0.01657	
	90-110	0.01386	
	110-130	0.01542	
	130-150	0.01558	
	150-180	0.0207	
	180-210	0.0248	
	210-240	0.02539	
	240-270	0.03067	
	270-300	0.0489	
	300-350	0.09799	
	350-400	0.1246	
	400-450	0.1345	
	450-500	0.12131	
	500-600	0.11877	
	600-700	0.010453	
	700-800	0.01639	
	800-900	0.0107	
	900-1000	0.00379	
	1000-1200	0.00149	
	1200-1400	0.00147	
	1400-1600	0.00227	
	1600-1800	0.0066	

Note: Each of the three mass spectra have emission rates that sum to 1.0

Annual Wind Rose for Newark, New Jersey

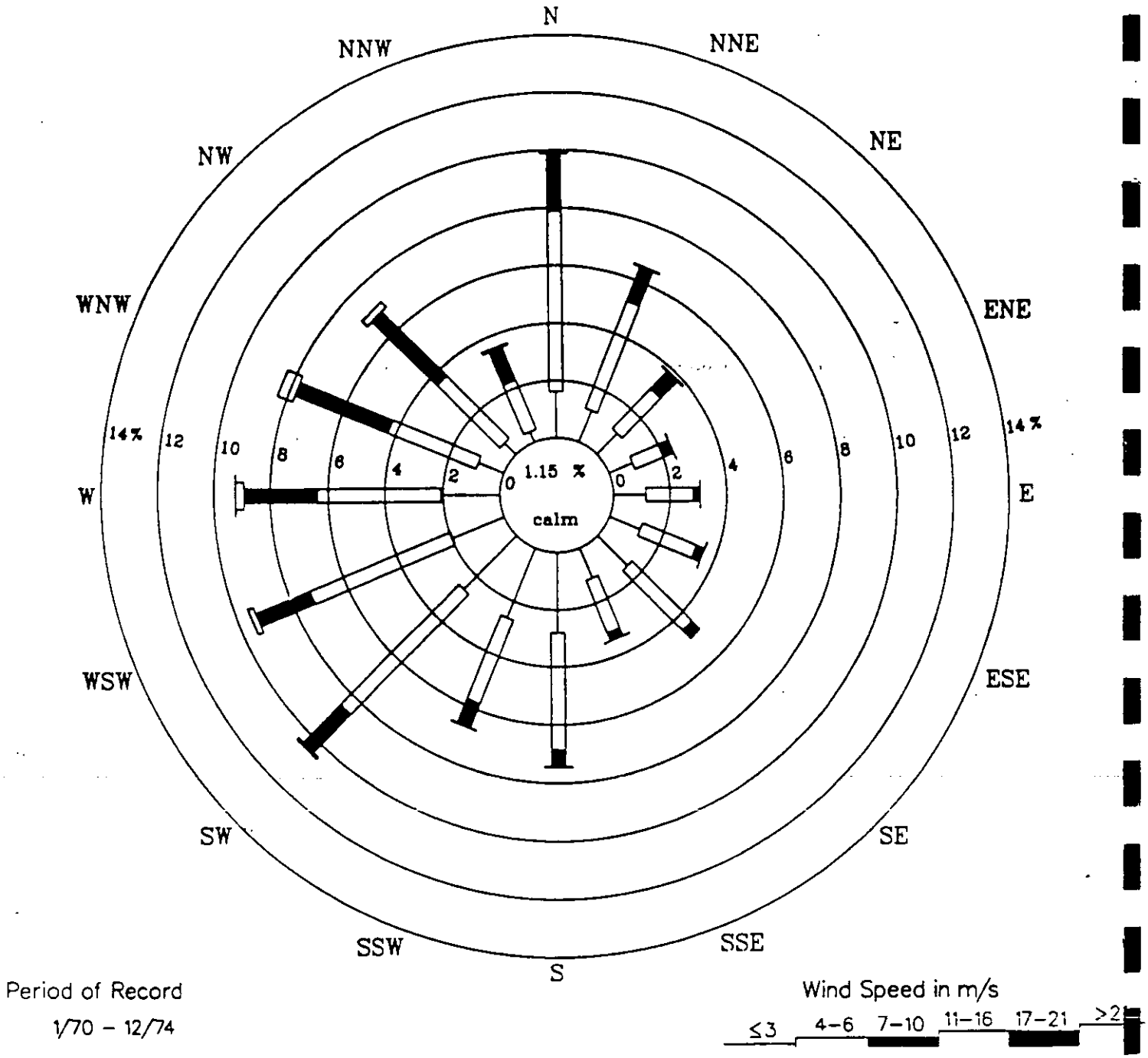

Figure 1. Annual Wind Rose for Newark, New Jersey

Annual Wind Rose for Houston, Texas

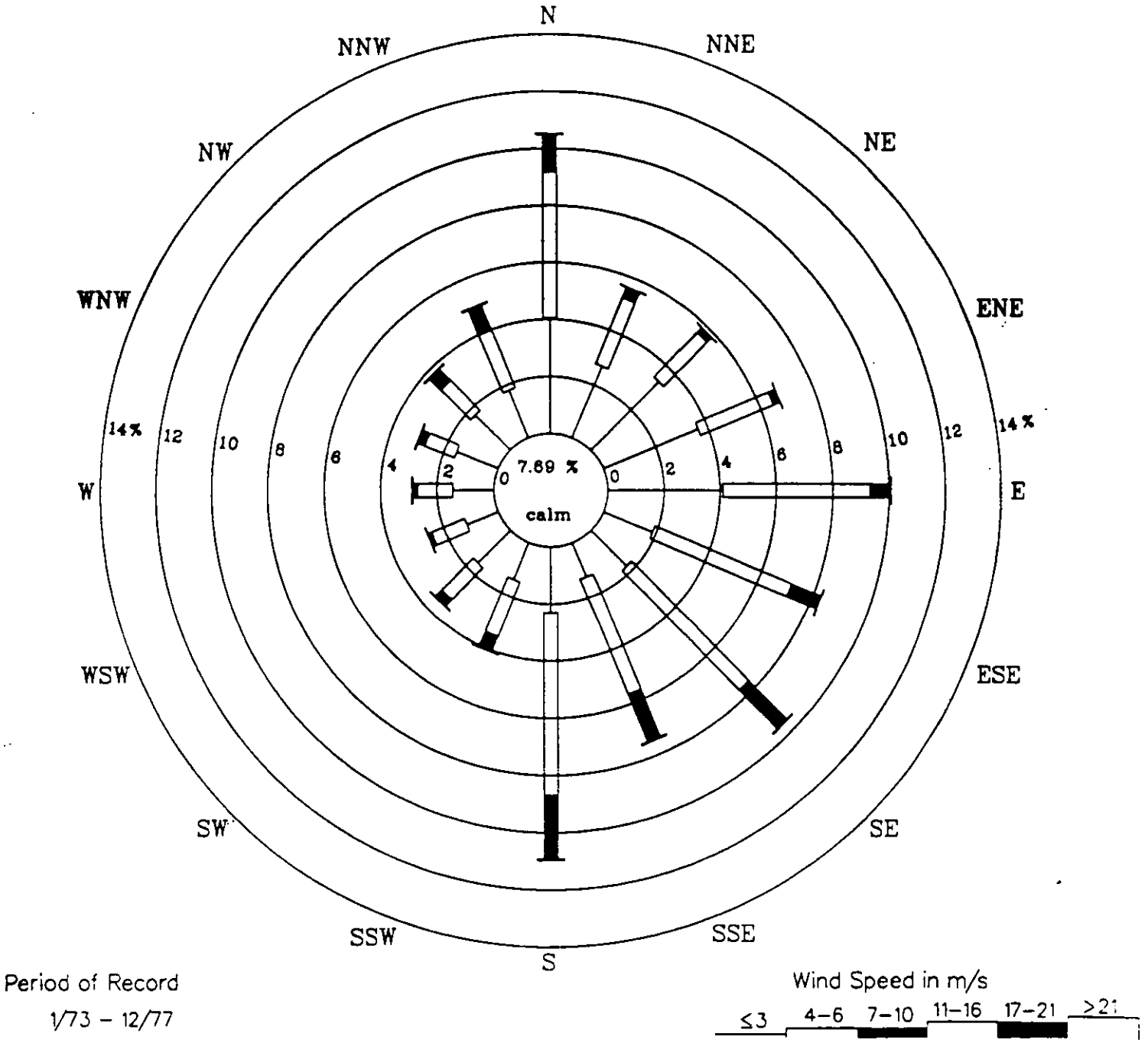

Figure 2. Annual Wind Rose for Houston, Texas

Annual Wind Rose for Los Angeles, California

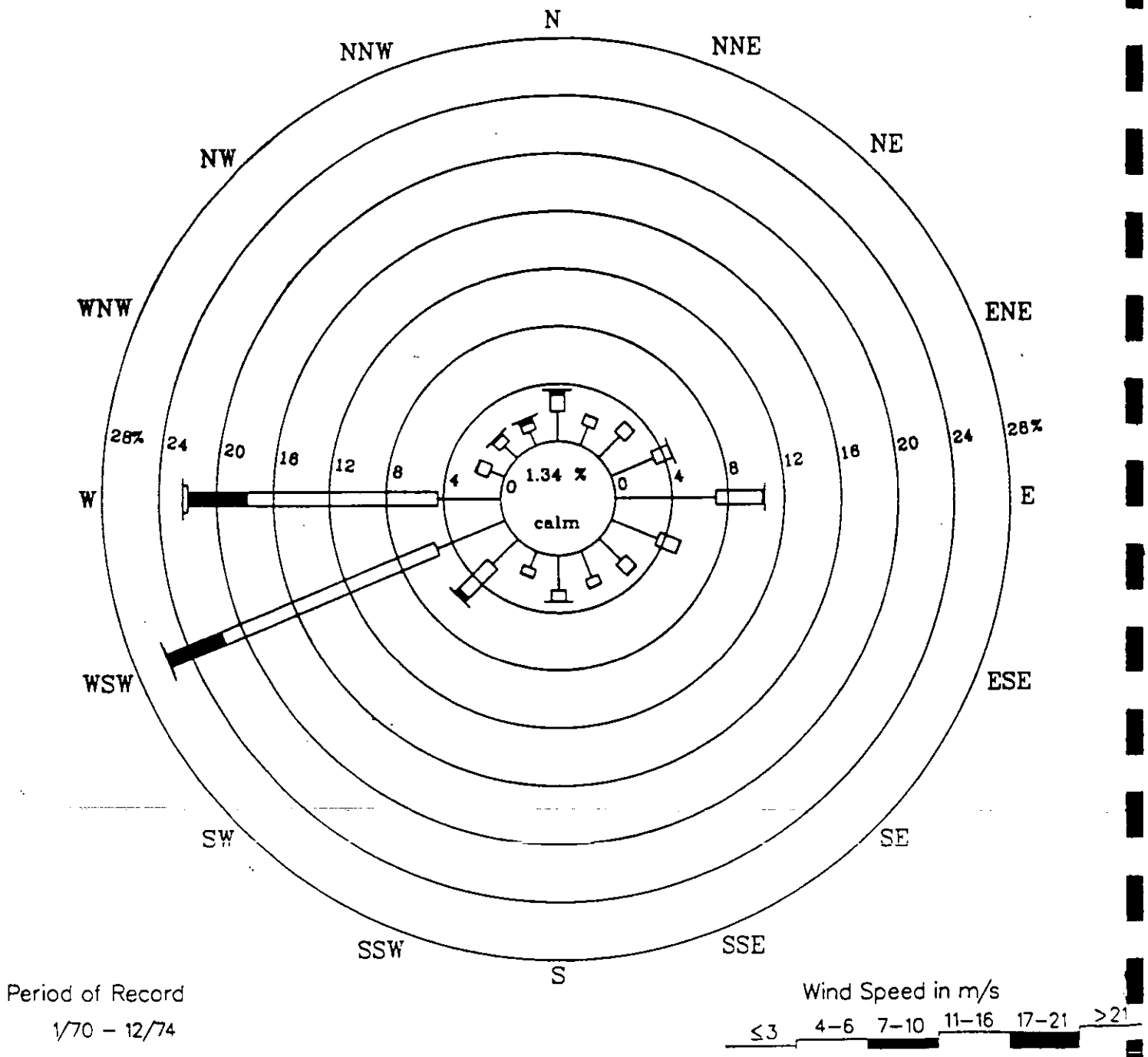

Figure 3. Annual Wind Rose for Los Angeles, California

Annual Wind Rose for Chicago, Illinois

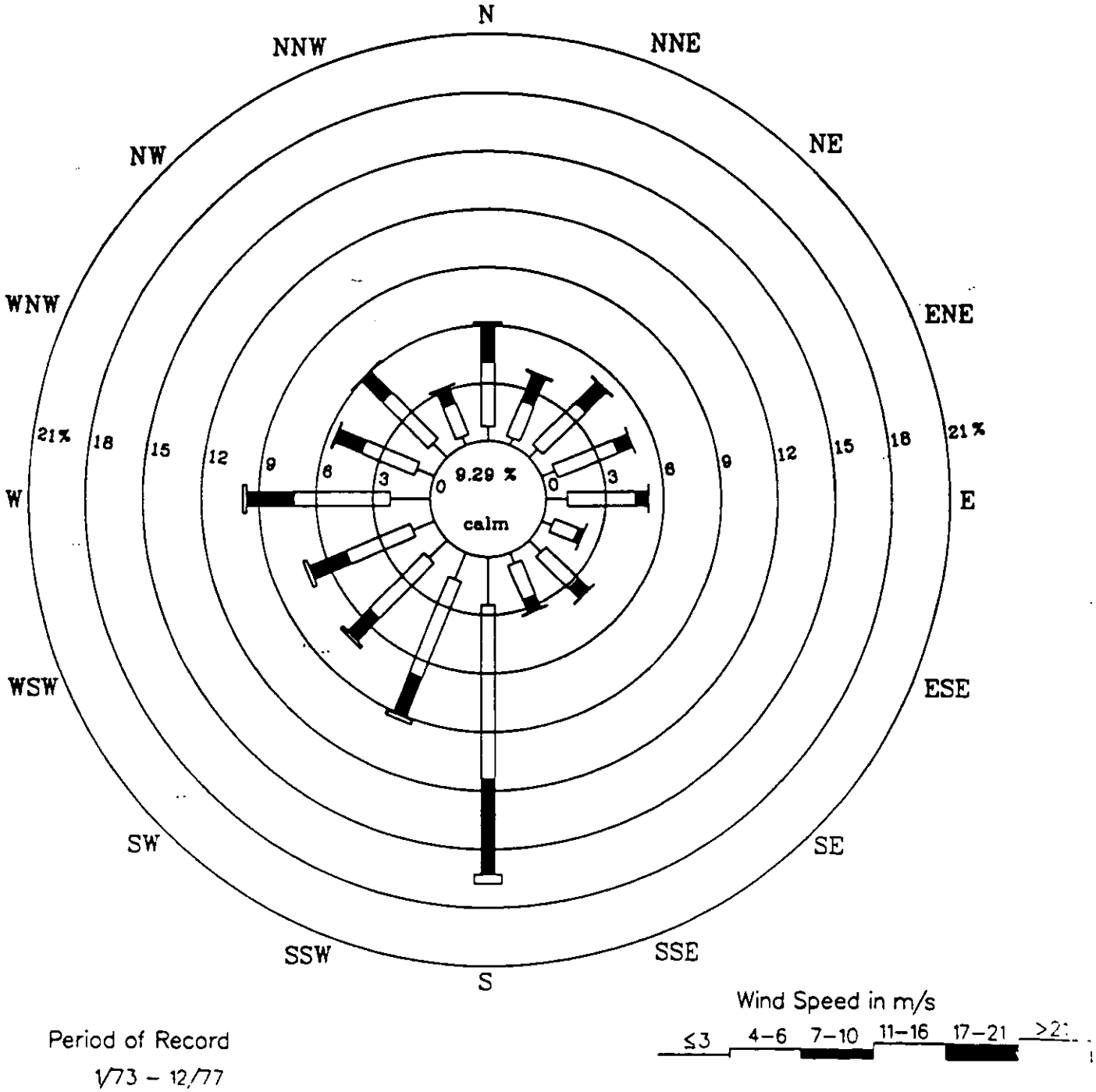

Figure 4. Annual Wind Rose for Chicago, Illinois

Annual Wind Rose for Alameda, California

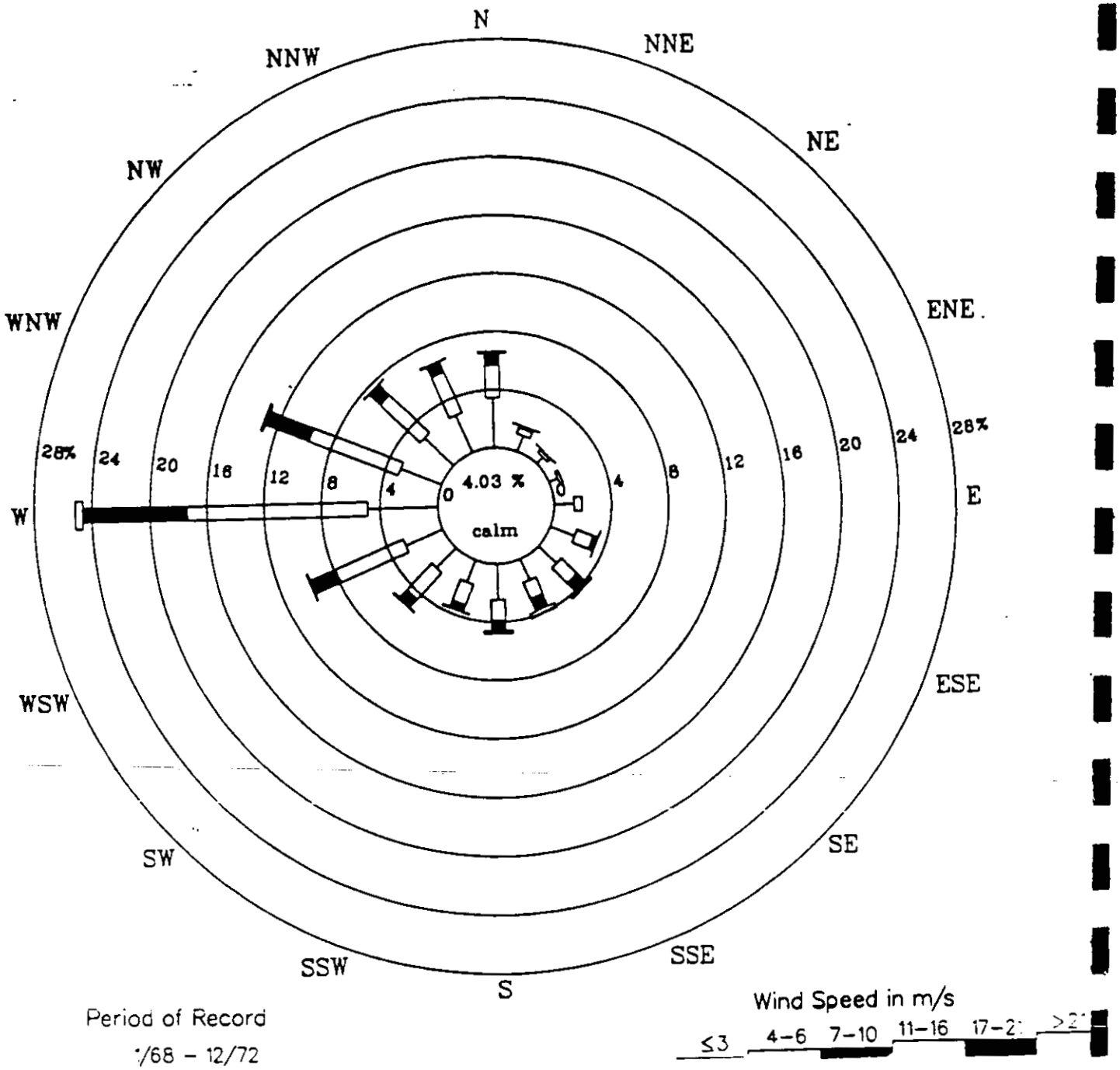

Figure 5. Annual Wind Rose for Oakland, California

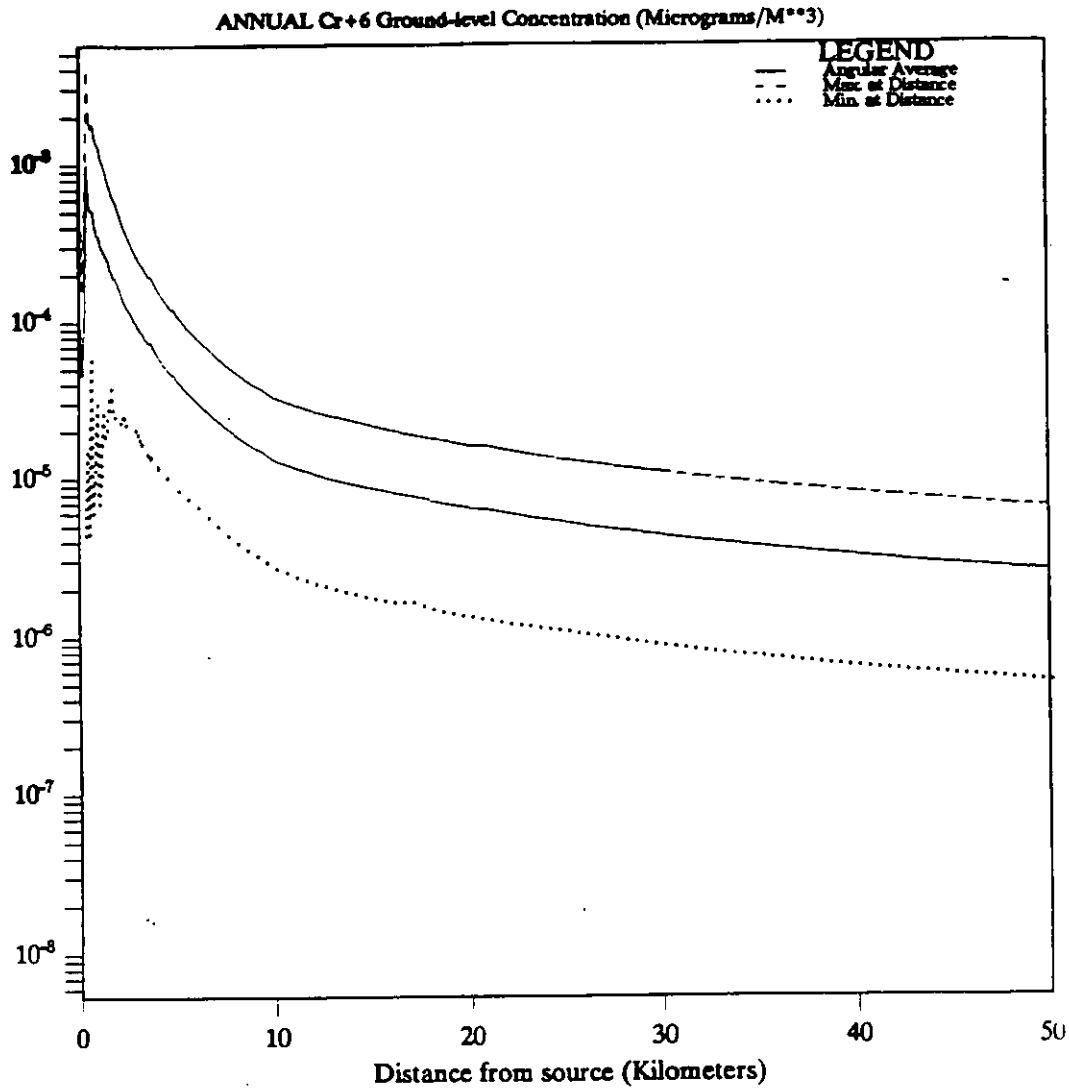

Figure 6. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Newark, New Jersey --- Baseline Case --- Maximum Angular Value, Minimum Angular Value and Angular Average

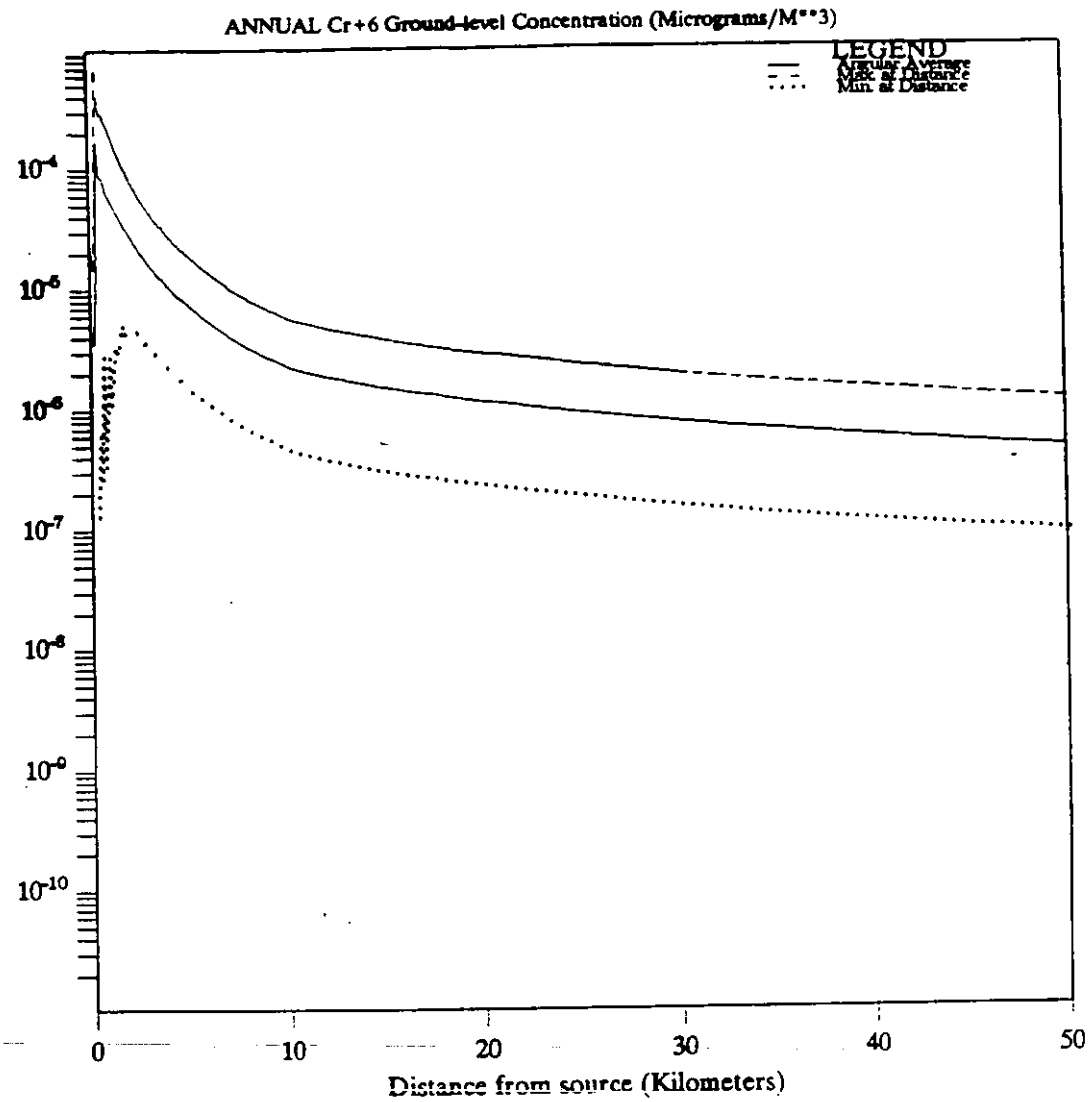

Figure 7. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Newark, New Jersey --- Controlled Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

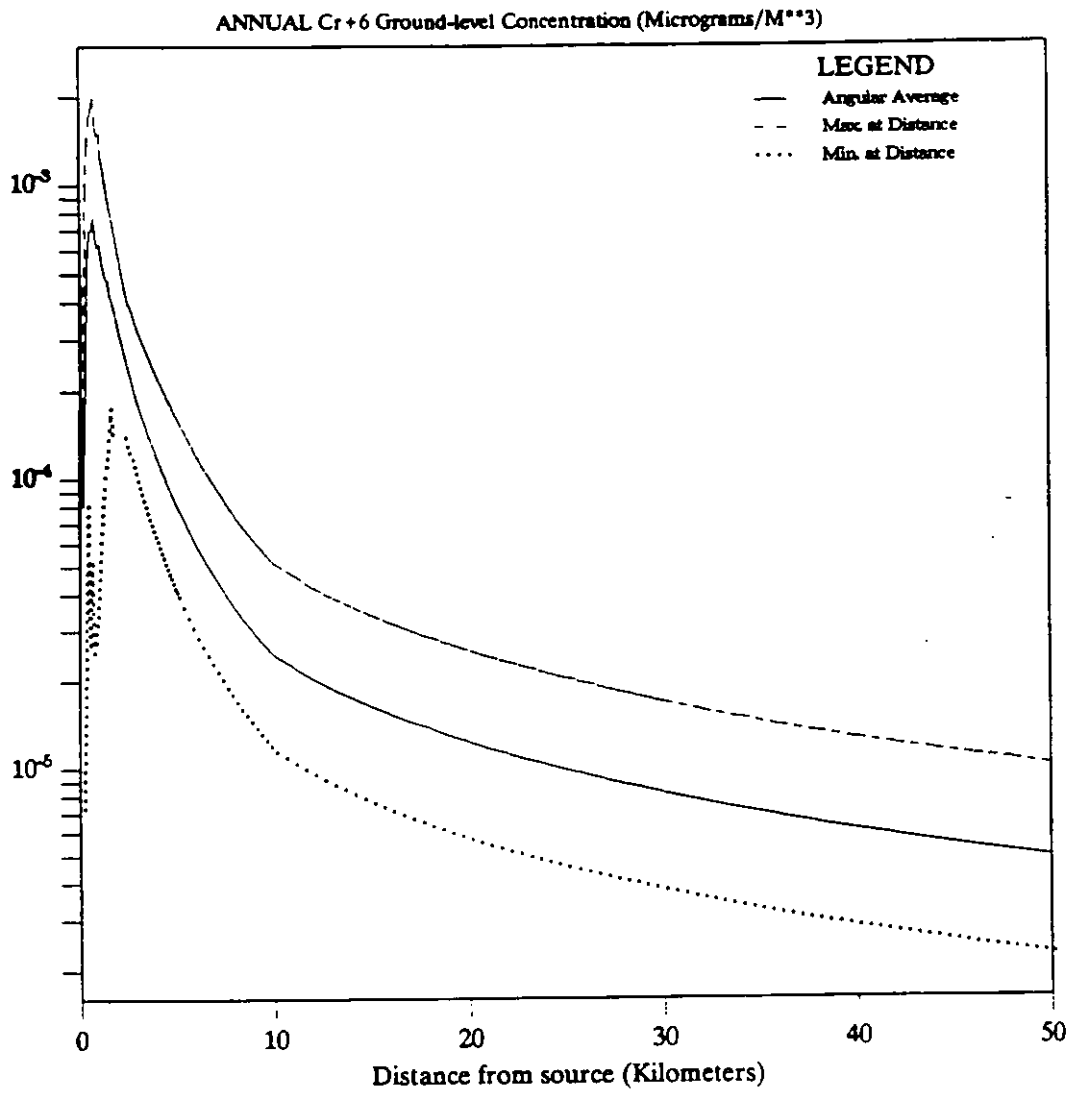

Figure 8. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Houston, Texas --- Baseline Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

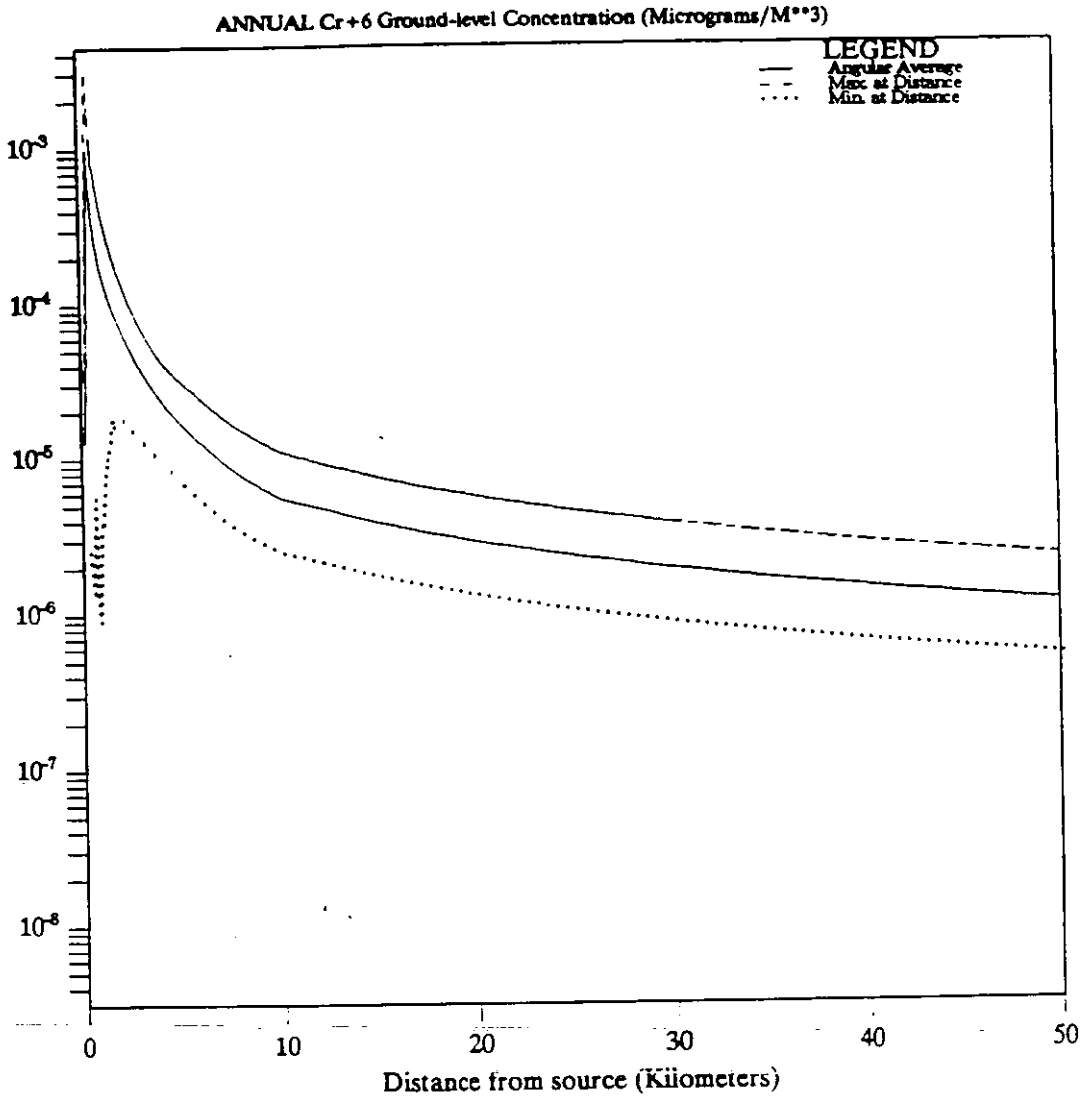

Figure 9. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Houston, Texas --- Controlled Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

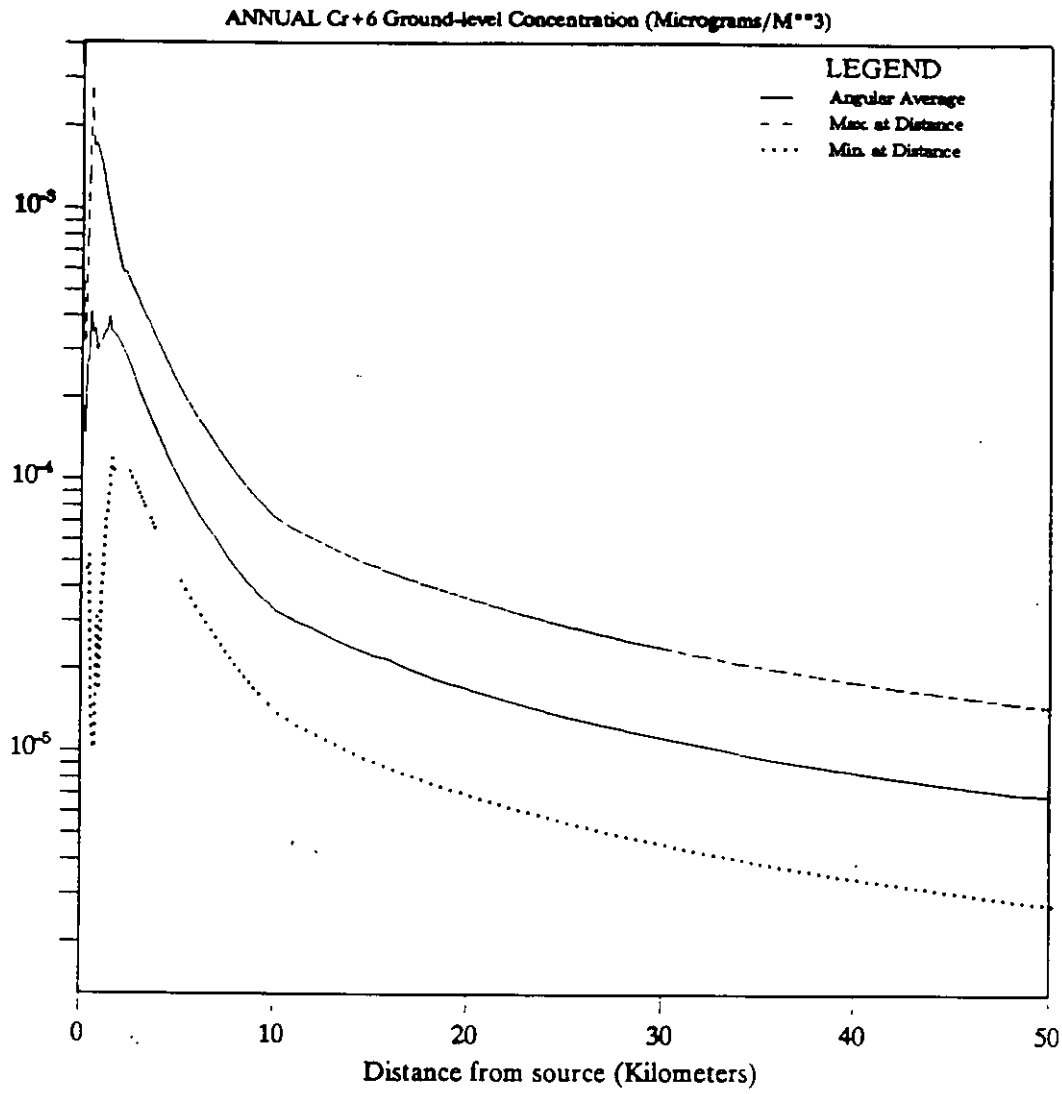

Figure 10. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Los Angeles, California --- Baseline Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

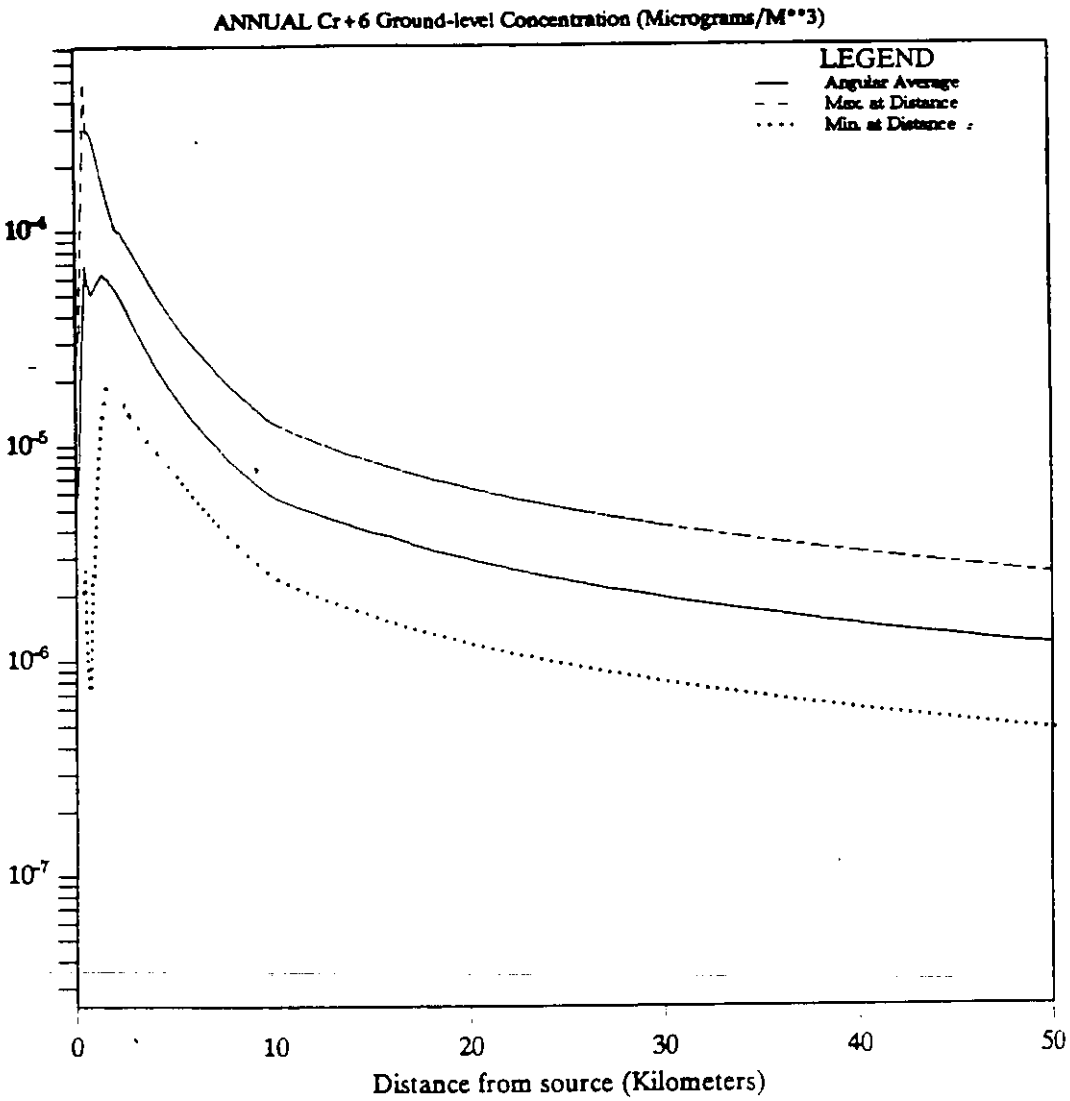

Figure 11. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Los Angeles, California --- Controlled Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

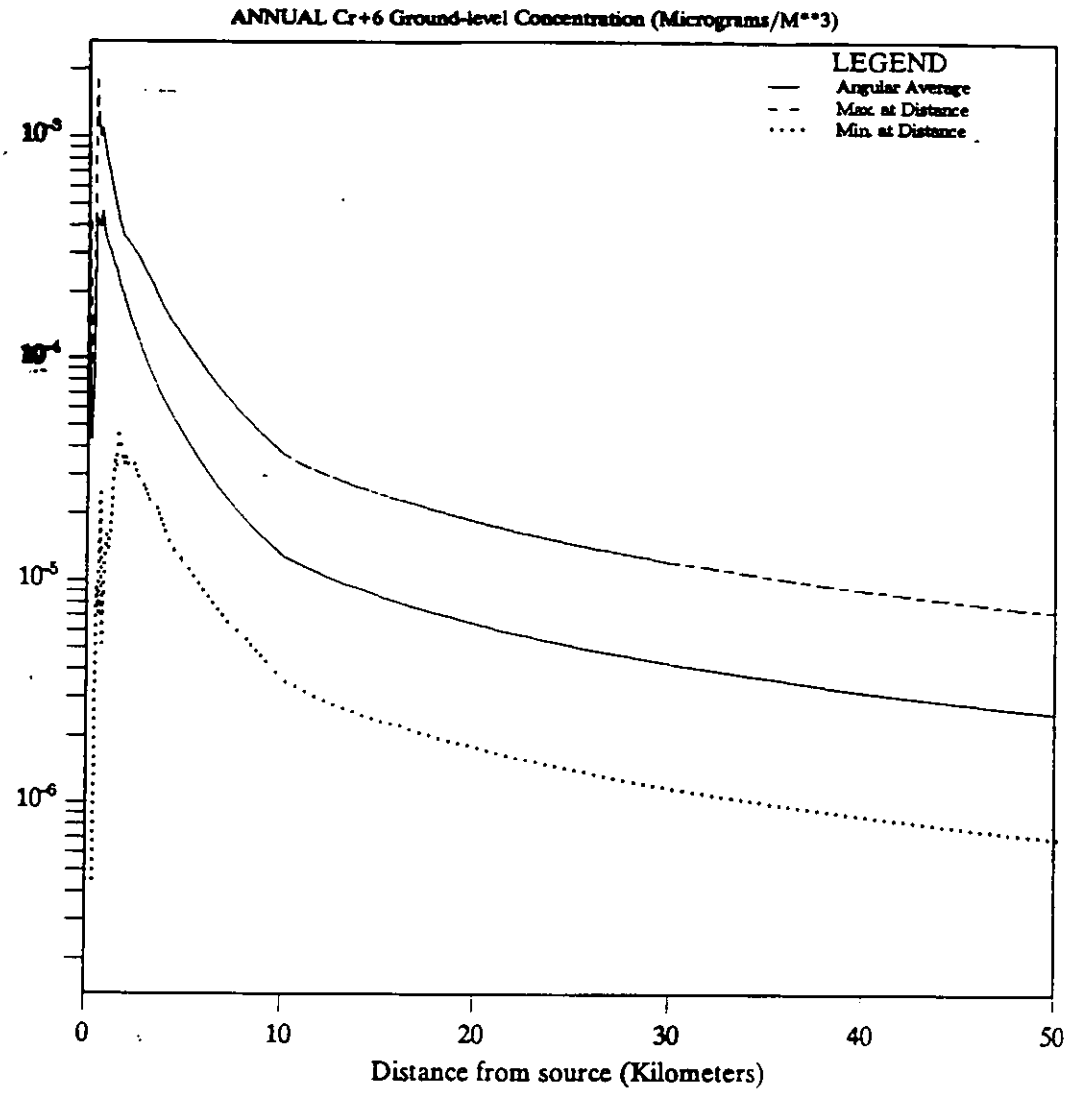

Figure 12. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Chicago, Illinois --- Baseline Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

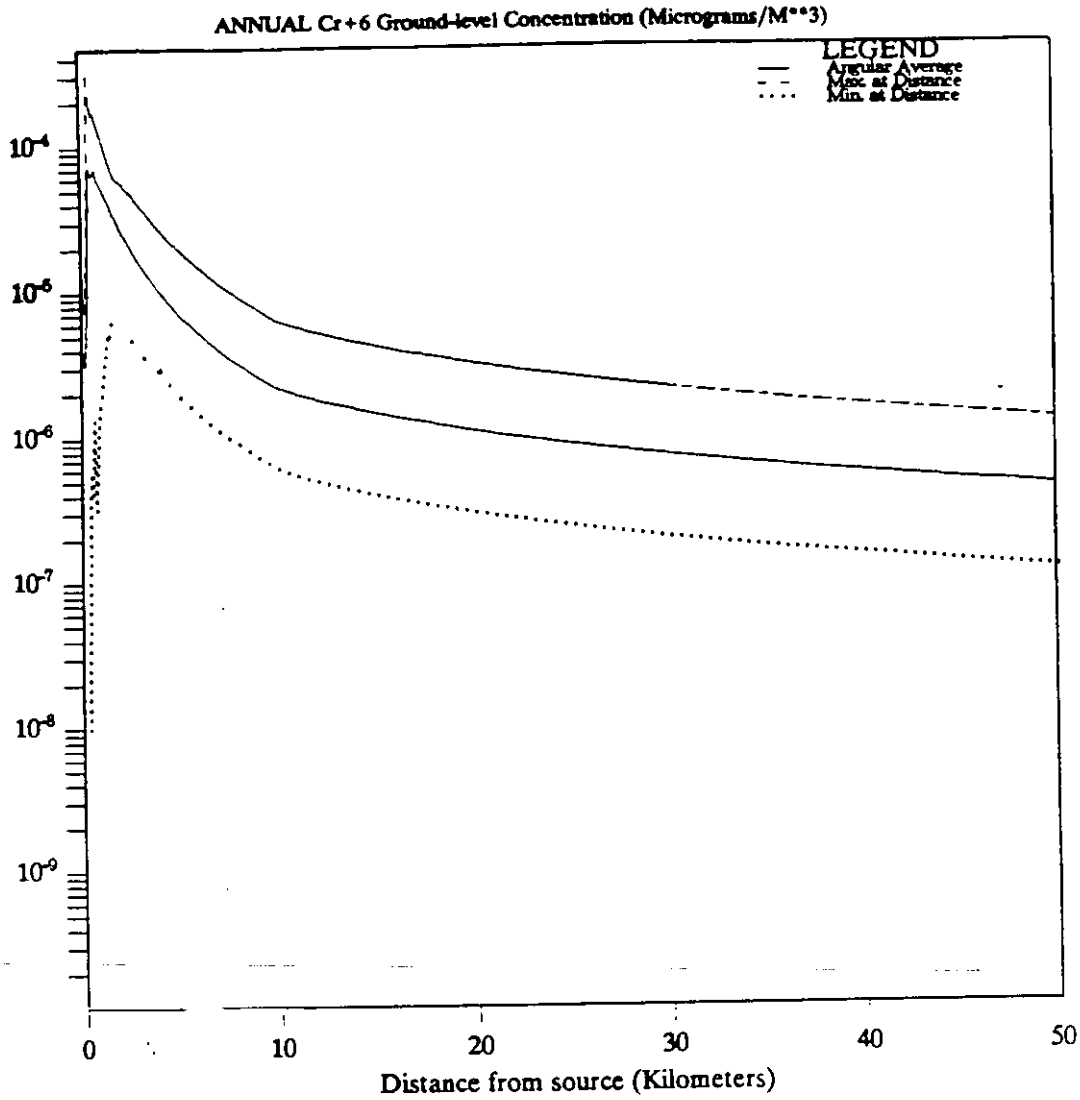

Figure 13. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Chicago, Illinois --- Controlled Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

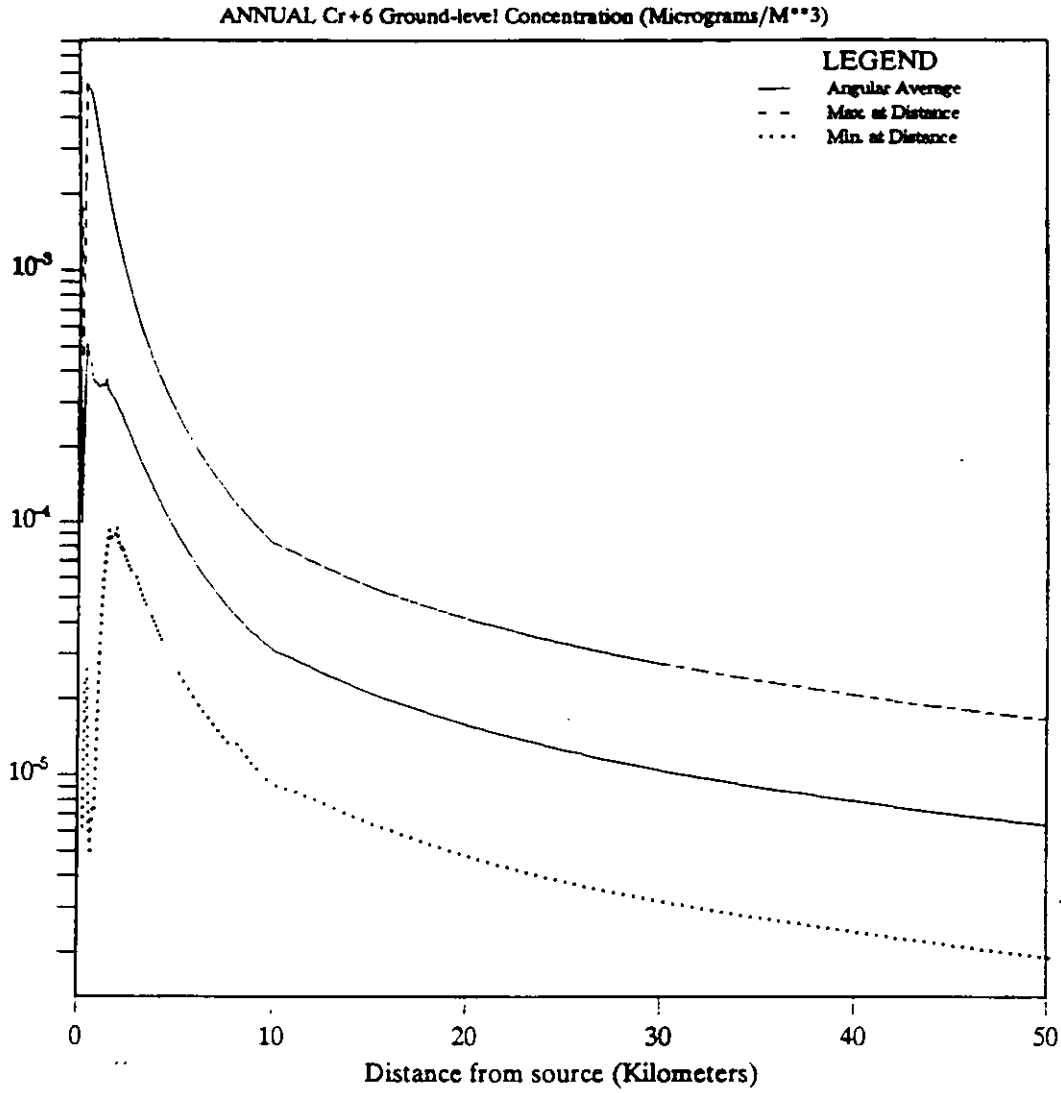

Figure 14. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Oakland, California --- Baseline Case --- Maximum Angular

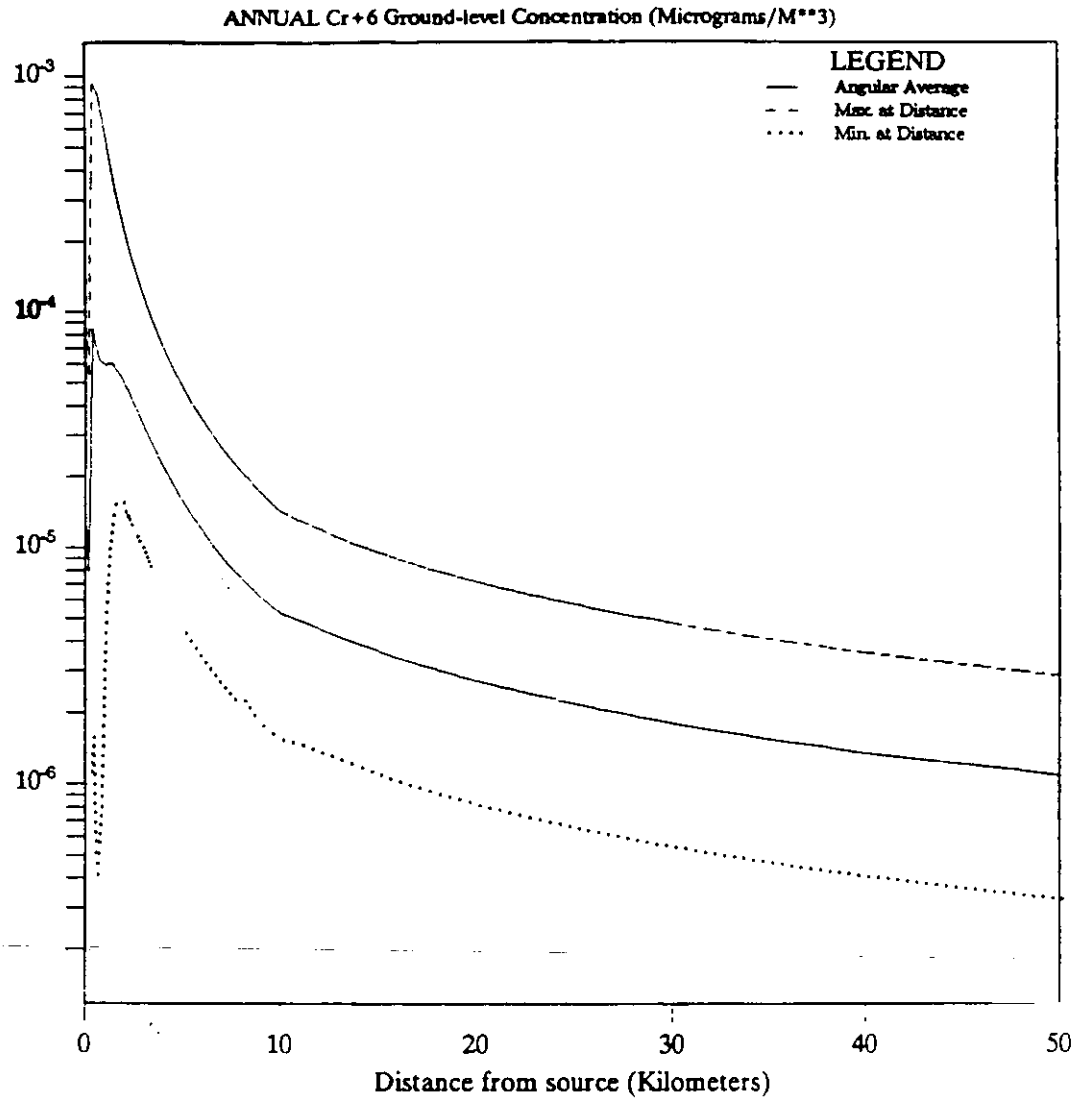

Figure 15. Prediction of Annual Airborne Chromium Concentrations for Prototype Refinery Cooling Tower at Oakland, California --- Controlled Case --- Maximum Angular Value, Minimum Angular Value, and Angular Average

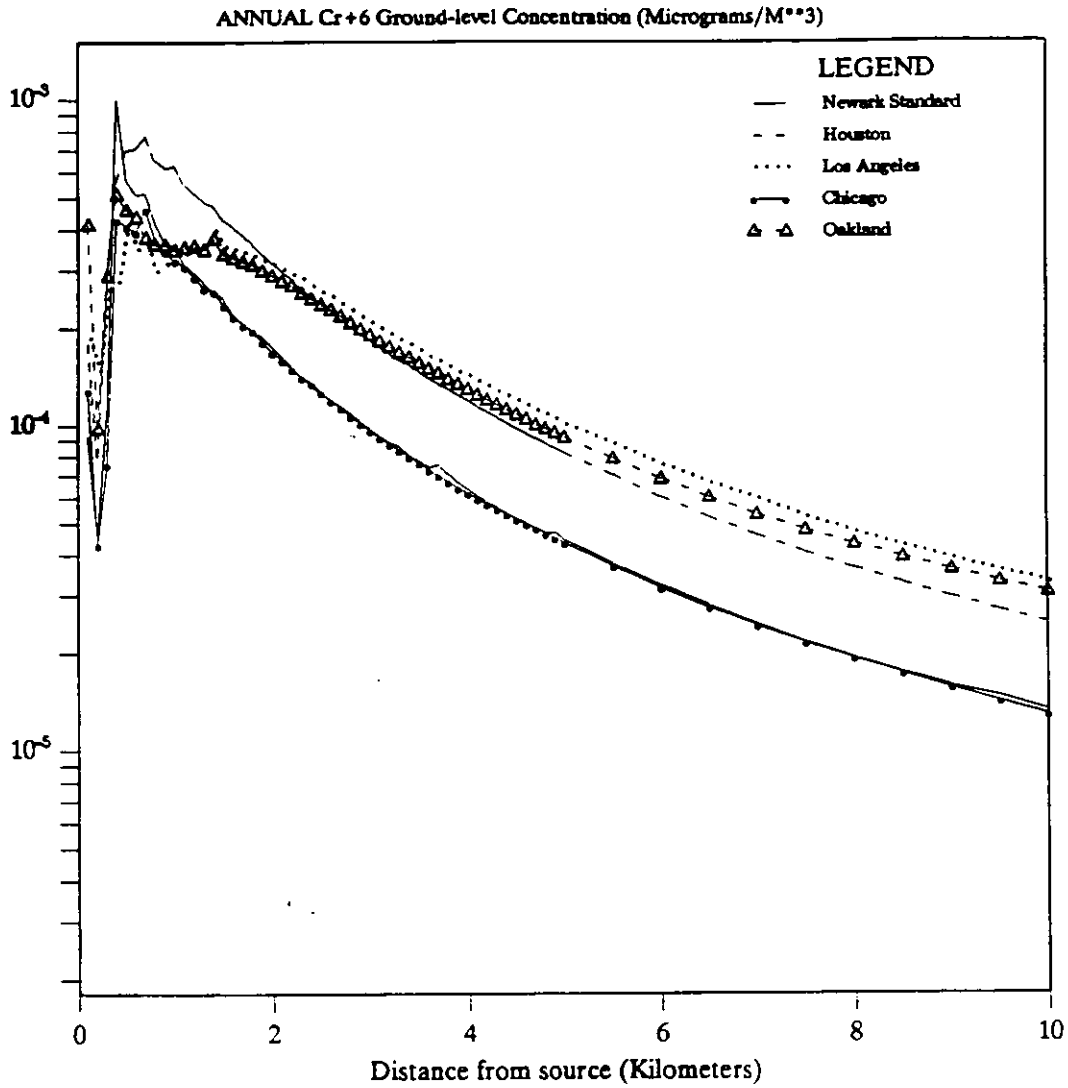

Figure 16. Five Site Comparison of Annual Airborne Chromium Concentrations (Averaged over Angle) --- Baseline Case --- 0-10 Km.

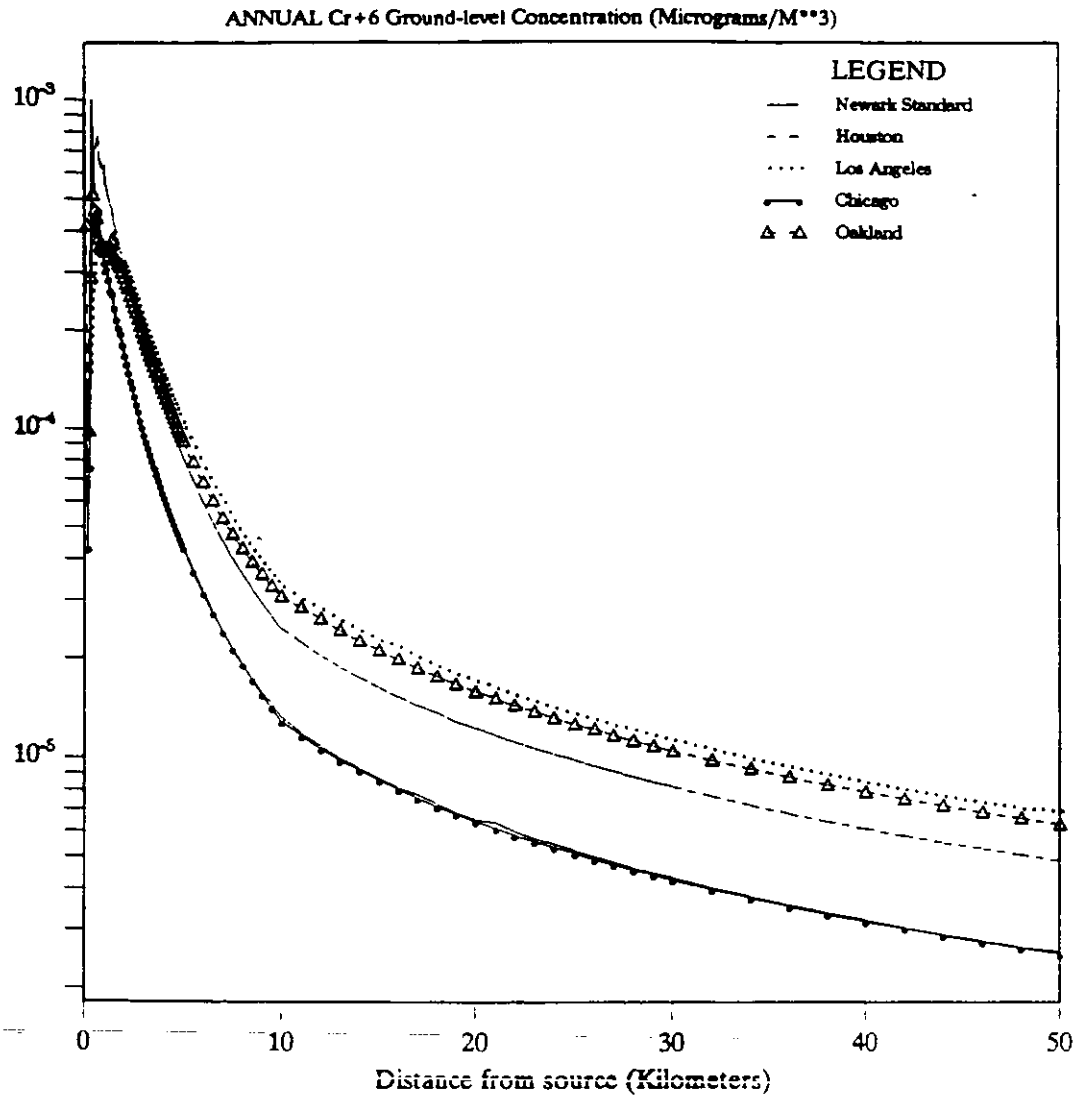

Figure 17. Five Site Comparison of Annual Airborne Chromium Concentrations (Averaged over Angle) --- Baseline Case --- 0-50 Km.

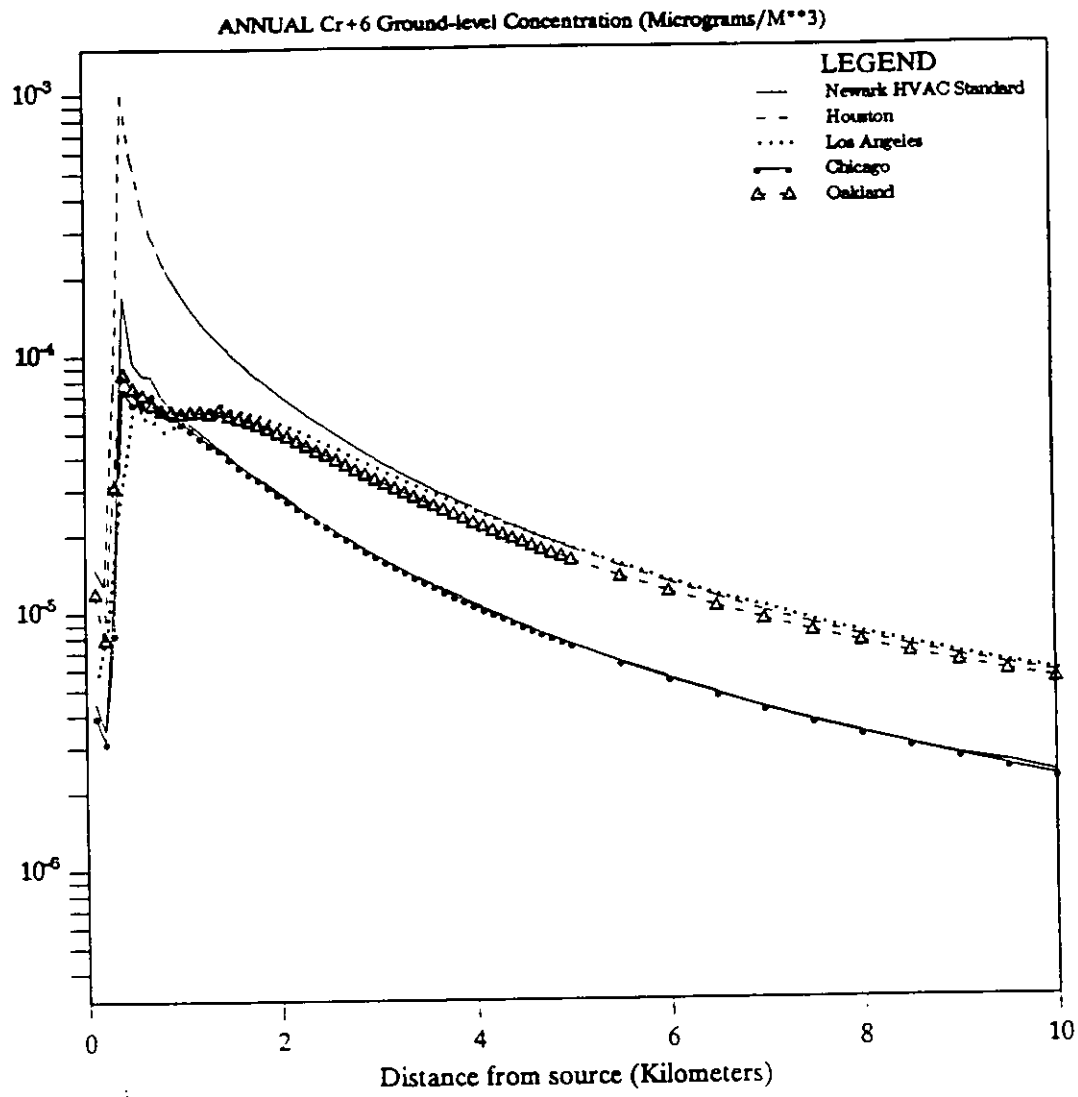

Figure 18. Five Site Comparison of Annual Airborne Chromium Concentrations (Averaged over Angle) --- Controlled Case --- 0-10 Km.

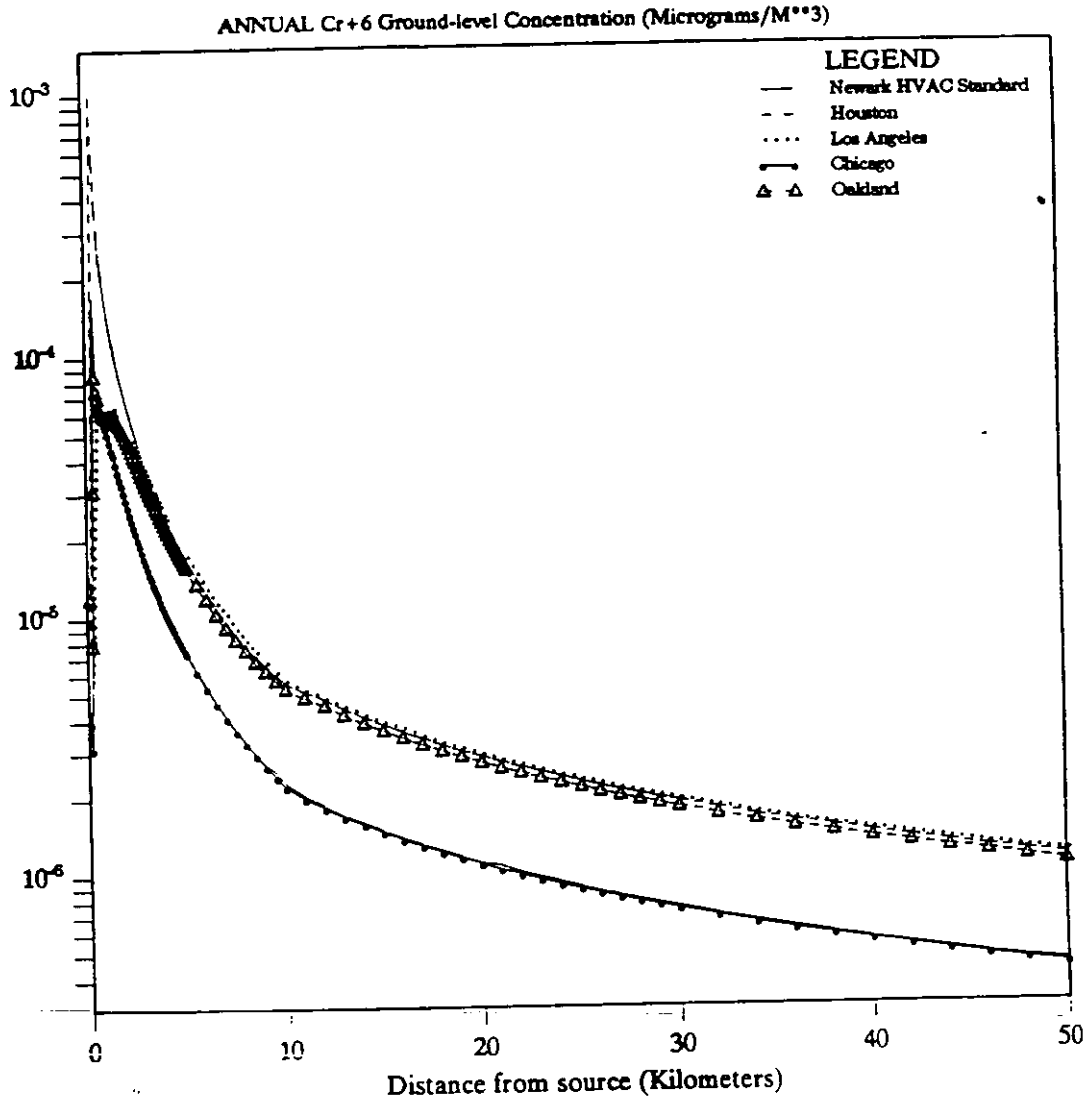

Figure 19. Five Site Comparison of Annual Airborne Chromium Concentrations (Averaged over Angle) --- Controlled Case --- 0-50 Km.

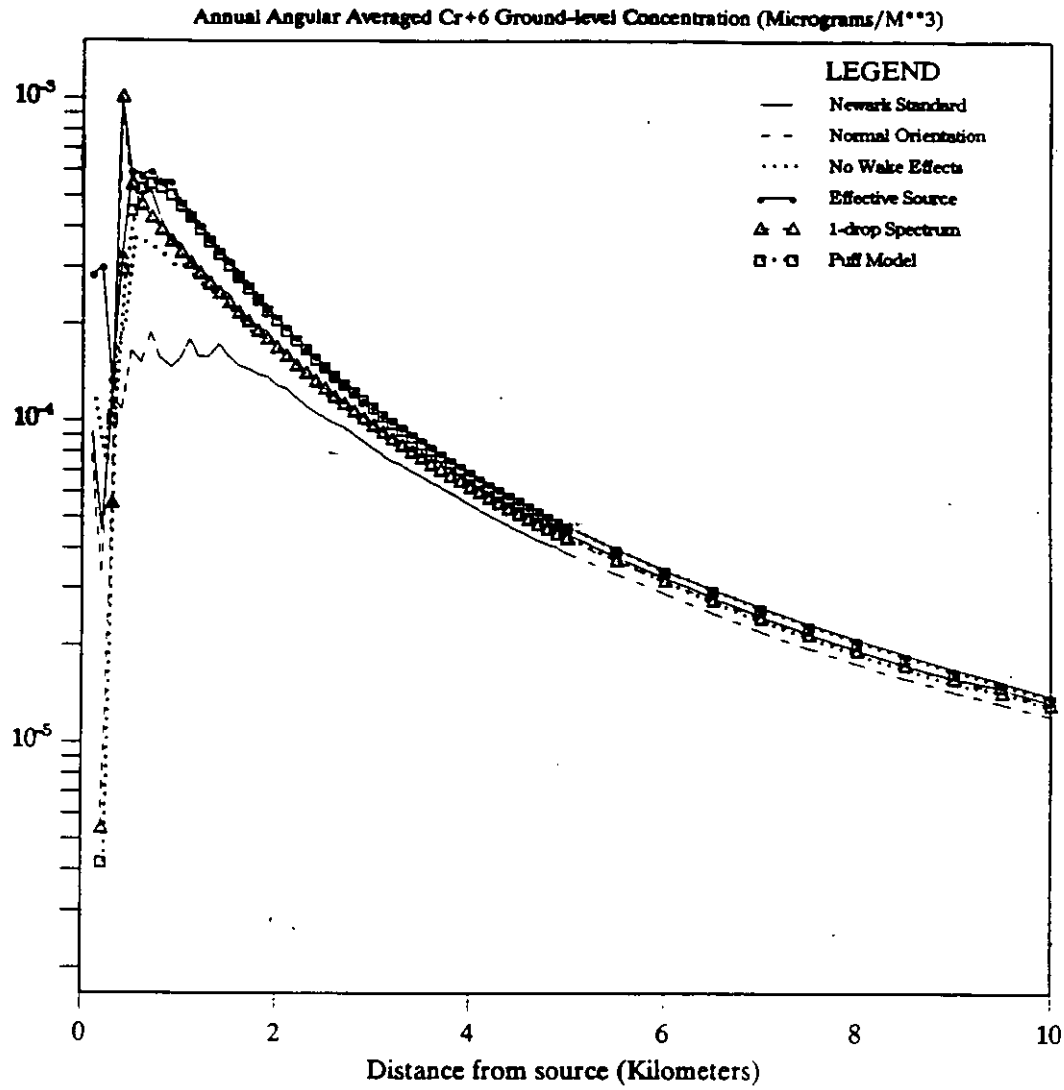

Figure 20. Predictions of the Effects of Five Different Treatments of the Source in Terms of Annual Airborne Chromium Concentrations (Average over Angle) --- Newark Baseline Case --- 0-10 Km.

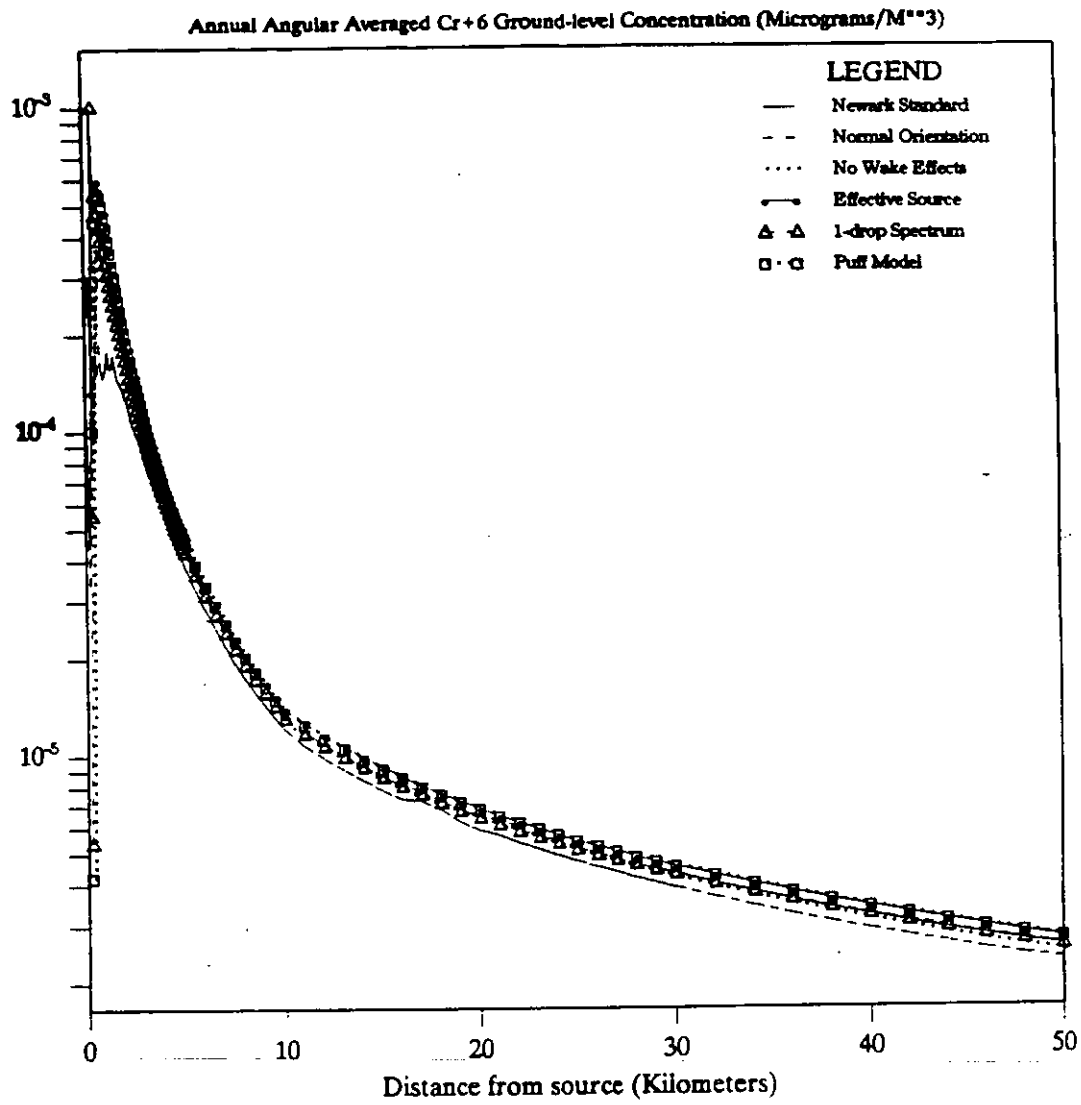

Figure 21. Predictions of the Effects of Five Different Treatments of the Source in Terms of Annual Airborne Chromium Concentrations (Average over Angle) --- Newark Baseline Case --- 0-50 Km.

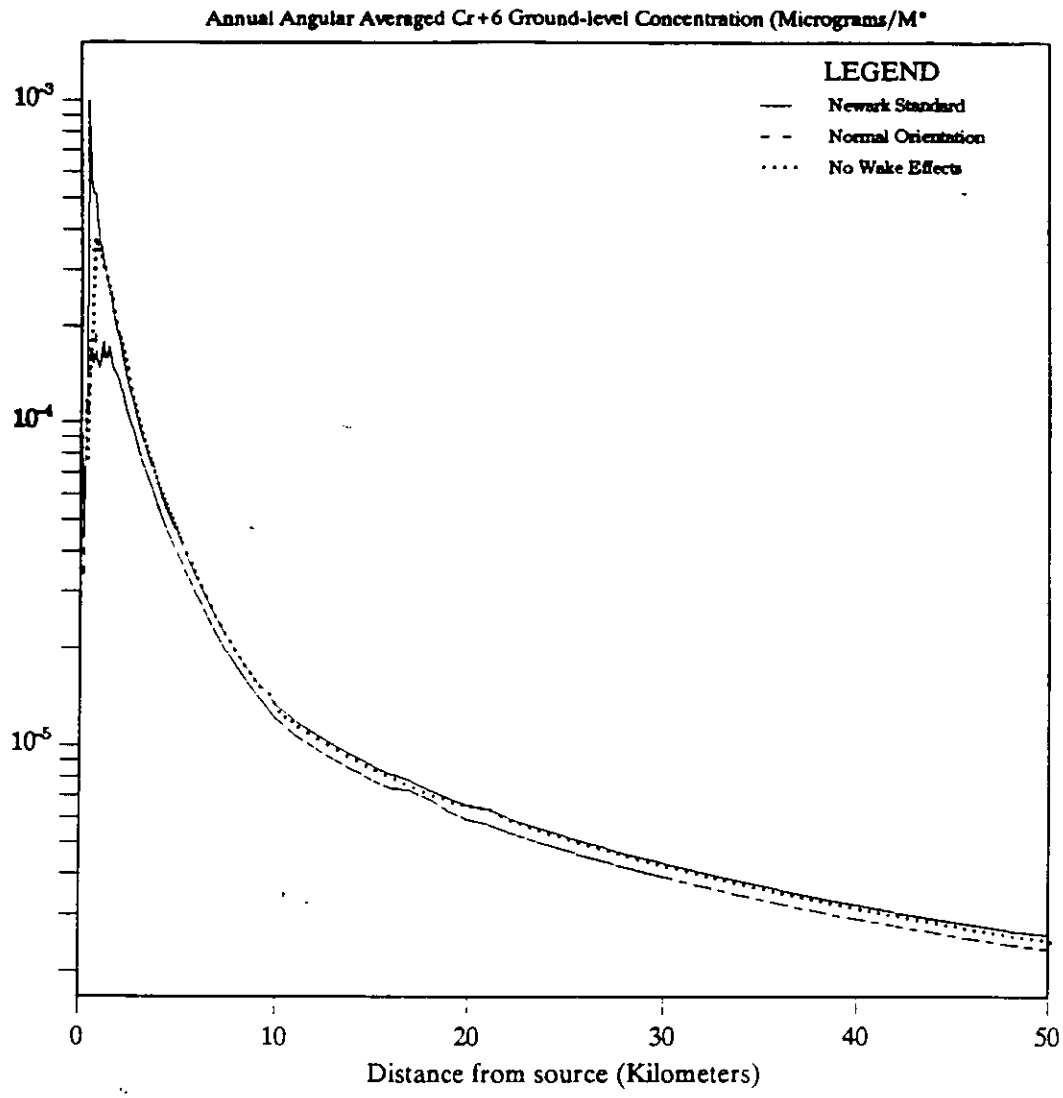

Figure 22. Predictions of the Effects of Two Treatments of the Source (Normal Orientation, No Wake Effects) in Terms of Annual Airborne Chromium Concentrations (Average over Angle) --- Newark Baseline Case --- 0-50 Km.

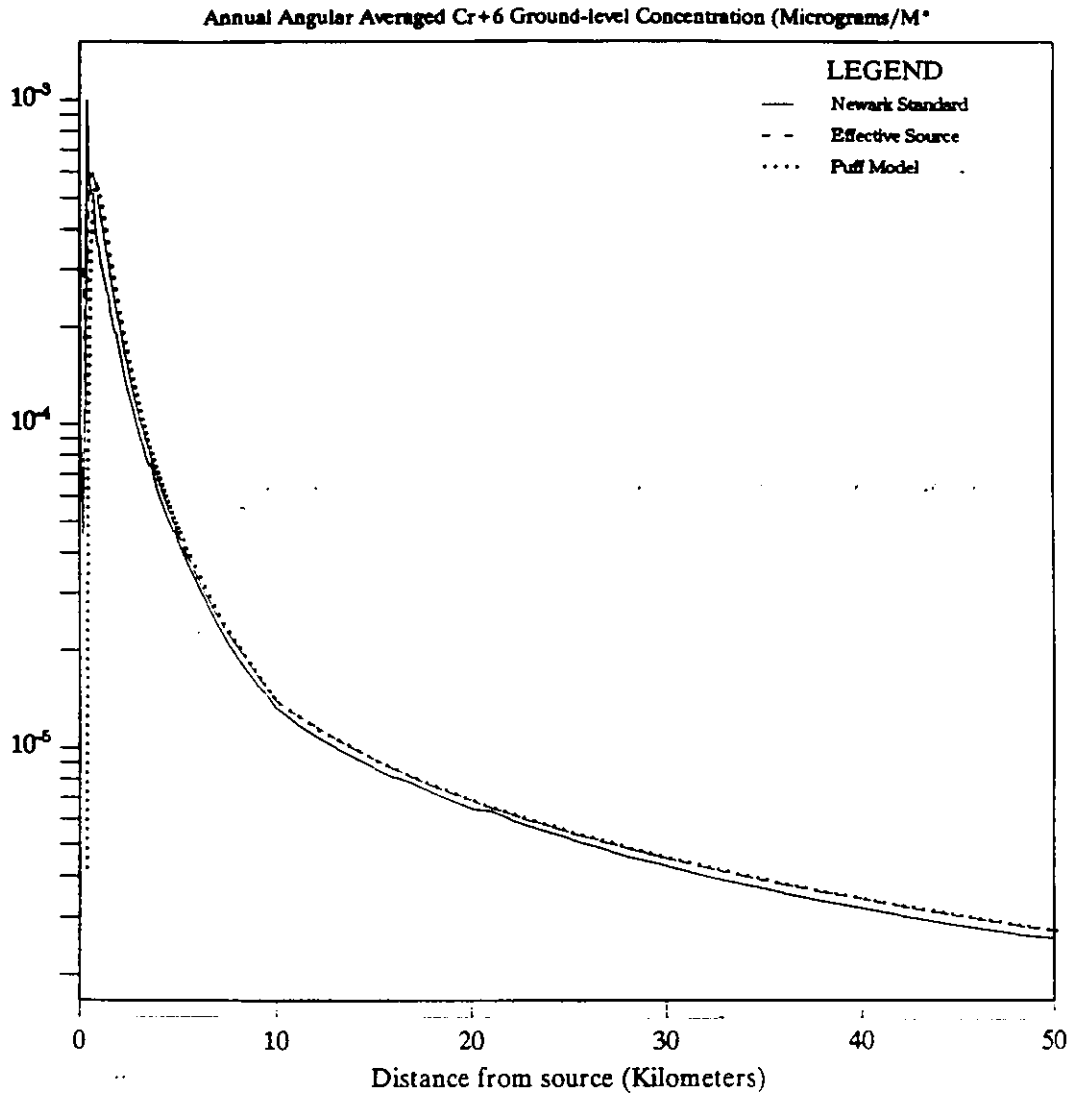

Figure 23. Predictions of the Effects of Two Treatments of the Source (Effective Source, Puff Model) in Terms of Annual Airborne Chromium Concentrations (Average over Angle) --- Newark Baseline Case --- 0-50 Km.

APPENDIX A

TABULAR PREDICTIONS OF ANNUAL AVERAGE AIRBORNE CHROMIUM CONCENTRATIONS

A.1. NEWARK SITE (BASELINE AND CONTROLLED)

A.2. HOUSTON SITE (BASELINE AND CONTROLLED)

A.3. LOS ANGELES SITE (BASELINE AND CONTROLLED)

A.4. CHICAGO SITE (BASELINE AND CONTROLLED)

A.5. OAKLAND SITE (BASELINE AND CONTROLLED)

A.6. SENSITIVITY STUDIES

- NEWARK BASELINE
- NO WAKE
- EFFECTIVE SOURCE
- SINGLE DROP
- GAS RELEASE (GAS PUFF)

A.1. NEWARK SITE

(BASELINE AND CONTROLLED)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.61E-04	.33E-07	.53E-04	.45E-04	.59E-04	.52E-04	.74E-04	.12E-07	.30E-04	.60E-07	.38E-03	.24E-03	.28E-03	.13E-03	.75E-04	.54E-08	.93E-04
200.	.18E-04	.12E-04	.21E-04	.19E-04	.24E-04	.21E-04	.29E-04	.72E-05	.30E-04	.37E-04	.16E-03	.11E-03	.13E-03	.68E-04	.39E-04	.44E-05	.45E-04
300.	.13E-03	.35E-04	.39E-04	.43E-04	.48E-04	.42E-04	.53E-04	.24E-04	.15E-03	.74E-04	.34E-03	.24E-03	.28E-03	.18E-03	.10E-03	.15E-04	.11E-03
400.	.19E-04	.12E-04	.15E-03	.13E-03	.17E-03	.17E-03	.23E-03	.81E-05	.33E-04	.37E-04	.20E-02	.38E-02	.37E-02	.34E-02	.21E-02	.45E-05	.10E-02
500.	.14E-03	.99E-04	.16E-03	.14E-03	.18E-03	.16E-03	.23E-03	.74E-04	.80E-04	.14E-03	.16E-02	.18E-02	.19E-02	.15E-02	.87E-03	.57E-04	.57E-03
600.	.20E-04	.11E-04	.23E-03	.20E-03	.24E-03	.23E-03	.33E-03	.11E-04	.23E-04	.22E-04	.17E-02	.16E-02	.17E-02	.12E-02	.71E-03	.61E-05	.51E-03
700.	.55E-04	.22E-04	.27E-03	.22E-03	.30E-03	.29E-03	.42E-03	.11E-04	.46E-04	.36E-04	.18E-02	.15E-02	.16E-02	.10E-02	.65E-03	.13E-04	.52E-03
800.	.71E-04	.12E-03	.20E-03	.17E-03	.22E-03	.20E-03	.28E-03	.30E-04	.46E-04	.97E-04	.15E-02	.12E-02	.13E-02	.79E-03	.47E-03	.37E-04	.42E-03
900.	.32E-04	.24E-04	.19E-03	.15E-03	.20E-03	.18E-03	.25E-03	.14E-04	.58E-04	.73E-04	.14E-02	.11E-02	.12E-02	.67E-03	.39E-03	.70E-05	.36E-03
1000.	.50E-04	.36E-04	.18E-03	.15E-03	.20E-03	.18E-03	.26E-03	.22E-04	.90E-04	.11E-03	.13E-02	.99E-03	.11E-02	.63E-03	.38E-03	.11E-04	.35E-03
1100.	.76E-04	.53E-04	.15E-03	.13E-03	.17E-03	.15E-03	.21E-03	.32E-04	.13E-03	.16E-03	.11E-02	.85E-03	.93E-03	.53E-03	.31E-03	.26E-04	.31E-03
1200.	.85E-04	.60E-04	.14E-03	.12E-03	.16E-03	.14E-03	.20E-03	.36E-04	.15E-03	.18E-03	.10E-02	.78E-03	.85E-03	.48E-03	.28E-03	.19E-04	.29E-03
1300.	.10E-03	.67E-04	.14E-03	.11E-03	.15E-03	.13E-03	.18E-03	.42E-04	.18E-03	.20E-03	.94E-03	.70E-03	.77E-03	.43E-03	.25E-03	.21E-04	.28E-03
1400.	.15E-03	.96E-04	.11E-03	.95E-04	.12E-03	.11E-03	.16E-03	.53E-04	.21E-03	.24E-03	.84E-03	.62E-03	.68E-03	.37E-03	.21E-03	.32E-04	.26E-03
1500.	.15E-03	.10E-03	.10E-03	.87E-04	.12E-03	.10E-03	.15E-03	.68E-04	.24E-03	.27E-03	.77E-03	.57E-03	.63E-03	.34E-03	.20E-03	.38E-04	.24E-03
1600.	.12E-03	.81E-04	.96E-04	.79E-04	.10E-03	.93E-04	.13E-03	.51E-04	.21E-03	.24E-03	.70E-03	.51E-03	.57E-03	.31E-03	.18E-03	.27E-04	.22E-03
1700.	.12E-03	.79E-04	.87E-04	.73E-04	.97E-04	.86E-04	.12E-03	.49E-04	.21E-03	.24E-03	.64E-03	.47E-03	.52E-03	.28E-03	.16E-03	.25E-04	.20E-03
1800.	.12E-03	.79E-04	.82E-04	.69E-04	.91E-04	.82E-04	.12E-03	.49E-04	.21E-03	.24E-03	.60E-03	.44E-03	.48E-03	.26E-03	.15E-03	.24E-04	.19E-03
1900.	.12E-03	.79E-04	.82E-04	.68E-04	.90E-04	.83E-04	.12E-03	.49E-04	.21E-03	.24E-03	.57E-03	.42E-03	.45E-03	.25E-03	.15E-03	.24E-04	.19E-03
2000.	.12E-03	.77E-04	.76E-04	.62E-04	.83E-04	.75E-04	.11E-03	.47E-04	.21E-03	.23E-03	.52E-03	.38E-03	.42E-03	.23E-03	.13E-03	.23E-04	.17E-03
2100.	.13E-03	.80E-04	.68E-04	.56E-04	.74E-04	.66E-04	.95E-04	.47E-04	.21E-03	.23E-03	.48E-03	.35E-03	.38E-03	.21E-03	.12E-03	.24E-04	.16E-03
2200.	.12E-03	.81E-04	.60E-04	.50E-04	.66E-04	.59E-04	.85E-04	.46E-04	.20E-03	.23E-03	.44E-03	.32E-03	.35E-03	.19E-03	.11E-03	.24E-04	.15E-03
2300.	.11E-03	.72E-04	.55E-04	.46E-04	.61E-04	.54E-04	.79E-04	.44E-04	.19E-03	.22E-03	.41E-03	.29E-03	.32E-03	.17E-03	.99E-04	.22E-04	.14E-03
2400.	.10E-03	.68E-04	.51E-04	.43E-04	.57E-04	.51E-04	.73E-04	.42E-04	.19E-03	.21E-03	.38E-03	.27E-03	.30E-03	.16E-03	.93E-04	.21E-04	.13E-03
2500.	.10E-03	.66E-04	.49E-04	.41E-04	.54E-04	.48E-04	.69E-04	.41E-04	.18E-03	.20E-03	.36E-03	.26E-03	.28E-03	.15E-03	.87E-04	.20E-04	.13E-03
2600.	.99E-04	.64E-04	.46E-04	.38E-04	.50E-04	.45E-04	.65E-04	.40E-04	.18E-03	.20E-03	.33E-03	.24E-03	.27E-03	.14E-03	.82E-04	.21E-04	.12E-03
2700.	.98E-04	.64E-04	.43E-04	.36E-04	.47E-04	.42E-04	.61E-04	.40E-04	.17E-03	.19E-03	.31E-03	.23E-03	.25E-03	.13E-03	.78E-04	.21E-04	.11E-03
2800.	.95E-04	.62E-04	.40E-04	.34E-04	.45E-04	.40E-04	.57E-04	.39E-04	.17E-03	.19E-03	.30E-03	.21E-03	.24E-03	.13E-03	.73E-04	.20E-04	.11E-03
2900.	.90E-04	.59E-04	.38E-04	.32E-04	.42E-04	.37E-04	.54E-04	.37E-04	.16E-03	.18E-03	.28E-03	.20E-03	.22E-03	.12E-03	.69E-04	.19E-04	.10E-03
3000.	.86E-04	.57E-04	.36E-04	.30E-04	.40E-04	.35E-04	.51E-04	.35E-04	.15E-03	.17E-03	.26E-03	.19E-03	.21E-03	.11E-03	.65E-04	.18E-04	.97E-04
3100.	.84E-04	.54E-04	.34E-04	.29E-04	.38E-04	.33E-04	.48E-04	.33E-04	.15E-03	.16E-03	.25E-03	.18E-03	.20E-03	.11E-03	.62E-04	.17E-04	.92E-04
3200.	.81E-04	.52E-04	.33E-04	.27E-04	.36E-04	.32E-04	.46E-04	.31E-04	.14E-03	.16E-03	.24E-03	.17E-03	.19E-03	.10E-03	.59E-04	.16E-04	.88E-04
3300.	.77E-04	.51E-04	.33E-04	.27E-04	.36E-04	.32E-04	.46E-04	.30E-04	.14E-03	.15E-03	.23E-03	.17E-03	.18E-03	.98E-04	.57E-04	.15E-04	.85E-04
3400.	.75E-04	.49E-04	.30E-04	.25E-04	.33E-04	.29E-04	.42E-04	.29E-04	.13E-03	.14E-03	.22E-03	.16E-03	.17E-03	.92E-04	.53E-04	.15E-04	.81E-04
3500.	.73E-04	.47E-04	.29E-04	.24E-04	.32E-04	.28E-04	.40E-04	.28E-04	.13E-03	.14E-03	.20E-03	.15E-03	.16E-03	.87E-04	.51E-04	.14E-04	.77E-04
3600.	.70E-04	.45E-04	.28E-04	.23E-04	.30E-04	.27E-04	.38E-04	.27E-04	.12E-03	.13E-03	.20E-03	.14E-03	.16E-03	.84E-04	.49E-04	.14E-04	.74E-04
3700.	.67E-04	.43E-04	.28E-04	.22E-04	.30E-04	.27E-04	.38E-04	.26E-04	.12E-03	.13E-03	.20E-03	.15E-03	.16E-03	.98E-04	.63E-04	.13E-04	.76E-04
3800.	.64E-04	.41E-04	.26E-04	.21E-04	.28E-04	.25E-04	.36E-04	.25E-04	.11E-03	.12E-03	.19E-03	.14E-03	.15E-03	.88E-04	.55E-04	.12E-04	.71E-04
3900.	.61E-04	.39E-04	.25E-04	.20E-04	.27E-04	.24E-04	.34E-04	.24E-04	.11E-03	.12E-03	.17E-03	.13E-03	.14E-03	.78E-04	.47E-04	.12E-04	.66E-04
4000.	.59E-04	.37E-04	.24E-04	.19E-04	.26E-04	.23E-04	.33E-04	.23E-04	.10E-03	.12E-03	.17E-03	.12E-03	.13E-03	.73E-04	.43E-04	.11E-04	.63E-04
4100.	.56E-04	.36E-04	.22E-04	.19E-04	.25E-04	.22E-04	.32E-04	.22E-04	.10E-03	.11E-03	.16E-03	.11E-03	.13E-03	.68E-04	.40E-04	.11E-04	.60E-04
4200.	.54E-04	.35E-04	.21E-04	.18E-04	.24E-04	.21E-04	.30E-04	.21E-04	.98E-04	.11E-03	.15E-03	.11E-03	.12E-03	.65E-04	.38E-04	.11E-04	.58E-04
4300.	.53E-04	.34E-04	.20E-04	.17E-04	.23E-04	.20E-04	.29E-04	.21E-04	.95E-04	.10E-03	.15E-03	.10E-03	.12E-03	.62E-04	.36E-04	.10E-04	.56E-04
4400.	.51E-04	.33E-04	.20E-04	.16E-04	.22E-04	.20E-04	.28E-04	.20E-04	.92E-04	.10E-03	.14E-03	.10E-03	.11E-03	.59E-04	.35E-04	.99E-05	.54E-04
4500.	.49E-04	.32E-04	.19E-04	.16E-04	.21E-04	.19E-04	.27E-04	.19E-04	.89E-04	.97E-04	.13E-03	.97E-04	.11E-03	.57E-04	.33E-04	.96E-05	.52E-04
4600.	.48E-04	.31E-04	.18E-04	.15E-04	.20E-04	.18E-04	.26E-04	.19E-04	.86E-04	.94E-04	.13E-03	.93E-04	.10E-03	.54E-04	.32E-04	.94E-05	.50E-04
4700.	.46E-04	.30E-04	.17E-04	.14E-04	.19E-04	.17E-04	.25E-04	.18E-04	.83E-04	.91E-04	.13E-03	.90E-04	.98E-04	.52E-04	.31E-04	.91E-05	.48E-04
4800.	.45E-04	.29E-04	.17E-04	.14E-04	.19E-04	.17E-04	.24E-04	.18E-04	.81E-04	.88E-04	.12E-03	.87E-04	.95E-04	.50E-04	.30E-04	.89E-05	.46E-04
4900.	.44E-04	.28E-04	.18E-04	.15E-04	.20E-04	.18E-04	.26E-04	.17E-04	.78E-04	.86E-04	.12E-03	.89E-04	.98E-04	.52E-04	.30E-04	.86E-05	.47E-04
5000.	.42E-04	.27E-04	.16E-04	.13E-04	.18E-04	.16E-04	.24E-04	.17E-04	.76E-04	.83E-04	.11E-03	.83E-04	.91E-04	.48E-04	.28E-04	.84E-05	.44E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N / PLUME HEADED S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	AVG / AVG
5500.	.37E-04	.24E-04	.13E-04	.11E-04	.15E-04	.13E-04	.19E-04	.15E-04	.66E-04	.72E-04	.96E-04	.69E-04	.76E-04	.40E-04	.24E-04	.74E-05	.37E-04
6000.	.33E-04	.21E-04	.11E-04	.94E-05	.13E-04	.11E-04	.16E-04	.13E-04	.58E-04	.63E-04	.81E-04	.58E-04	.64E-04	.34E-04	.20E-04	.66E-05	.32E-04
6500.	.29E-04	.18E-04	.97E-05	.81E-05	.11E-04	.97E-05	.14E-04	.11E-04	.51E-04	.55E-04	.70E-04	.50E-04	.56E-04	.29E-04	.17E-04	.57E-05	.28E-04
7000.	.25E-04	.16E-04	.85E-05	.71E-05	.94E-05	.84E-05	.12E-04	.99E-05	.45E-04	.49E-04	.61E-04	.44E-04	.49E-04	.26E-04	.15E-04	.50E-05	.24E-04
7500.	.22E-04	.14E-04	.75E-05	.62E-05	.83E-05	.74E-05	.11E-04	.88E-05	.40E-04	.43E-04	.54E-04	.39E-04	.43E-04	.23E-04	.13E-04	.44E-05	.22E-04
8000.	.20E-04	.13E-04	.66E-05	.55E-05	.74E-05	.65E-05	.95E-05	.78E-05	.36E-04	.39E-04	.48E-04	.35E-04	.38E-04	.20E-04	.12E-04	.39E-05	.19E-04
8500.	.18E-04	.12E-04	.59E-05	.50E-05	.66E-05	.59E-05	.85E-05	.70E-05	.32E-04	.35E-04	.43E-04	.31E-04	.34E-04	.18E-04	.11E-04	.35E-05	.17E-04
9000.	.16E-04	.11E-04	.54E-05	.45E-05	.60E-05	.53E-05	.77E-05	.64E-05	.29E-04	.32E-04	.39E-04	.28E-04	.31E-04	.17E-04	.96E-05	.33E-05	.16E-04
9500.	.15E-04	.97E-05	.51E-05	.42E-05	.58E-05	.51E-05	.74E-05	.58E-05	.27E-04	.29E-04	.37E-04	.26E-04	.29E-04	.16E-04	.89E-05	.30E-05	.15E-04
10000.	.14E-04	.88E-05	.46E-05	.38E-05	.51E-05	.45E-05	.66E-05	.53E-05	.24E-04	.27E-04	.33E-04	.24E-04	.26E-04	.14E-04	.82E-05	.27E-05	.13E-04
11000.	.12E-04	.78E-05	.41E-05	.34E-05	.46E-05	.40E-05	.58E-05	.48E-05	.22E-04	.24E-04	.30E-04	.21E-04	.24E-04	.13E-04	.74E-05	.24E-05	.12E-04
12000.	.11E-04	.71E-05	.38E-05	.31E-05	.42E-05	.37E-05	.53E-05	.43E-05	.20E-04	.22E-04	.27E-04	.19E-04	.22E-04	.12E-04	.67E-05	.22E-05	.11E-04
13000.	.10E-04	.65E-05	.34E-05	.29E-05	.38E-05	.34E-05	.49E-05	.40E-05	.18E-04	.20E-04	.25E-04	.18E-04	.20E-04	.11E-04	.62E-05	.20E-05	.99E-05
14000.	.95E-05	.61E-05	.32E-05	.26E-05	.35E-05	.31E-05	.45E-05	.37E-05	.17E-04	.19E-04	.23E-04	.17E-04	.18E-04	.98E-05	.57E-05	.18E-05	.92E-05
15000.	.89E-05	.57E-05	.30E-05	.25E-05	.33E-05	.29E-05	.42E-05	.35E-05	.16E-04	.17E-04	.22E-04	.15E-04	.17E-04	.92E-05	.53E-05	.17E-05	.86E-05
16000.	.85E-05	.54E-05	.28E-05	.23E-05	.31E-05	.27E-05	.39E-05	.33E-05	.15E-04	.16E-04	.20E-04	.14E-04	.16E-04	.86E-05	.50E-05	.16E-05	.81E-05
17000.	.89E-05	.53E-05	.26E-05	.22E-05	.29E-05	.26E-05	.37E-05	.31E-05	.14E-04	.16E-04	.19E-04	.14E-04	.15E-04	.80E-05	.47E-05	.16E-05	.77E-05
18000.	.79E-05	.48E-05	.25E-05	.21E-05	.27E-05	.24E-05	.35E-05	.29E-05	.13E-04	.15E-04	.18E-04	.13E-04	.14E-04	.76E-05	.44E-05	.15E-05	.72E-05
19000.	.71E-05	.45E-05	.24E-05	.19E-05	.26E-05	.23E-05	.33E-05	.28E-05	.13E-04	.14E-04	.17E-04	.12E-04	.13E-04	.72E-05	.42E-05	.14E-05	.68E-05
20000.	.67E-05	.43E-05	.22E-05	.18E-05	.25E-05	.22E-05	.31E-05	.26E-05	.12E-04	.13E-04	.16E-04	.12E-04	.13E-04	.68E-05	.40E-05	.13E-05	.65E-05
21000.	.64E-05	.41E-05	.22E-05	.19E-05	.26E-05	.22E-05	.32E-05	.25E-05	.12E-04	.12E-04	.16E-04	.11E-04	.13E-04	.67E-05	.39E-05	.13E-05	.63E-05
22000.	.61E-05	.39E-05	.21E-05	.17E-05	.23E-05	.21E-05	.30E-05	.24E-05	.11E-04	.12E-04	.15E-04	.11E-04	.12E-04	.63E-05	.36E-05	.12E-05	.60E-05
23000.	.59E-05	.37E-05	.20E-05	.16E-05	.22E-05	.19E-05	.28E-05	.23E-05	.11E-04	.11E-04	.14E-04	.10E-04	.11E-04	.60E-05	.35E-05	.12E-05	.57E-05
24000.	.56E-05	.36E-05	.19E-05	.16E-05	.21E-05	.18E-05	.27E-05	.22E-05	.10E-04	.11E-04	.14E-04	.97E-05	.11E-04	.57E-05	.33E-05	.11E-05	.54E-05
25000.	.54E-05	.35E-05	.18E-05	.15E-05	.20E-05	.18E-05	.25E-05	.21E-05	.97E-05	.11E-04	.13E-04	.93E-05	.10E-04	.54E-05	.31E-05	.11E-05	.52E-05
26000.	.52E-05	.33E-05	.17E-05	.14E-05	.19E-05	.17E-05	.24E-05	.21E-05	.93E-05	.10E-04	.12E-04	.89E-05	.99E-05	.52E-05	.30E-05	.10E-05	.50E-05
27000.	.50E-05	.32E-05	.16E-05	.14E-05	.18E-05	.16E-05	.23E-05	.20E-05	.89E-05	.97E-05	.12E-04	.86E-05	.95E-05	.50E-05	.29E-05	.98E-06	.48E-05
28000.	.48E-05	.31E-05	.16E-05	.13E-05	.18E-05	.16E-05	.22E-05	.19E-05	.86E-05	.94E-05	.12E-04	.82E-05	.92E-05	.48E-05	.28E-05	.95E-06	.46E-05
29000.	.46E-05	.30E-05	.15E-05	.13E-05	.17E-05	.15E-05	.22E-05	.18E-05	.83E-05	.90E-05	.11E-04	.80E-05	.88E-05	.47E-05	.27E-05	.91E-06	.44E-05
30000.	.45E-05	.29E-05	.15E-05	.12E-05	.17E-05	.15E-05	.21E-05	.18E-05	.80E-05	.87E-05	.11E-04	.77E-05	.86E-05	.45E-05	.26E-05	.87E-06	.43E-05
32000.	.42E-05	.27E-05	.14E-05	.12E-05	.15E-05	.14E-05	.20E-05	.16E-05	.75E-05	.82E-05	.10E-04	.72E-05	.80E-05	.42E-05	.24E-05	.81E-06	.40E-05
34000.	.39E-05	.25E-05	.13E-05	.11E-05	.14E-05	.13E-05	.18E-05	.15E-05	.70E-05	.77E-05	.95E-05	.67E-05	.75E-05	.39E-05	.23E-05	.76E-06	.38E-05
36000.	.37E-05	.24E-05	.12E-05	.10E-05	.14E-05	.12E-05	.17E-05	.14E-05	.66E-05	.72E-05	.89E-05	.64E-05	.71E-05	.37E-05	.21E-05	.71E-06	.36E-05
38000.	.35E-05	.22E-05	.12E-05	.97E-06	.13E-05	.11E-05	.16E-05	.14E-05	.63E-05	.68E-05	.85E-05	.60E-05	.67E-05	.35E-05	.20E-05	.67E-06	.34E-05
40000.	.33E-05	.21E-05	.11E-05	.92E-06	.12E-05	.11E-05	.16E-05	.13E-05	.59E-05	.65E-05	.80E-05	.57E-05	.63E-05	.33E-05	.19E-05	.63E-06	.32E-05
42000.	.31E-05	.20E-05	.11E-05	.88E-06	.12E-05	.10E-05	.15E-05	.12E-05	.57E-05	.62E-05	.76E-05	.54E-05	.60E-05	.32E-05	.18E-05	.60E-06	.30E-05
44000.	.30E-05	.19E-05	.10E-05	.84E-06	.11E-05	.98E-06	.14E-05	.12E-05	.54E-05	.59E-05	.73E-05	.52E-05	.58E-05	.30E-05	.17E-05	.57E-06	.29E-05
46000.	.29E-05	.18E-05	.96E-06	.80E-06	.11E-05	.94E-06	.14E-05	.11E-05	.52E-05	.57E-05	.70E-05	.50E-05	.55E-05	.29E-05	.16E-05	.55E-06	.28E-05
48000.	.27E-05	.18E-05	.92E-06	.77E-06	.10E-05	.90E-06	.13E-05	.11E-05	.50E-05	.54E-05	.67E-05	.47E-05	.53E-05	.27E-05	.16E-05	.53E-06	.27E-05
50000.	.26E-05	.17E-05	.90E-06	.75E-06	.10E-05	.89E-06	.13E-05	.10E-05	.48E-05	.52E-05	.65E-05	.46E-05	.52E-05	.27E-05	.15E-05	.51E-06	.26E-05
52000.	.25E-05	.16E-05	.99E-06	.81E-06	.12E-05	.10E-05	.15E-05	.10E-05	.46E-05	.50E-05	.69E-05	.50E-05	.55E-05	.29E-05	.16E-05	.49E-06	.27E-05
54000.	.25E-05	.16E-05	.90E-06	.75E-06	.11E-05	.91E-06	.13E-05	.96E-06	.44E-05	.48E-05	.64E-05	.46E-05	.51E-05	.26E-05	.15E-05	.47E-06	.25E-05
56000.	.24E-05	.15E-05	.85E-06	.70E-06	.98E-06	.85E-06	.12E-05	.93E-06	.43E-05	.46E-05	.60E-05	.43E-05	.48E-05	.25E-05	.14E-05	.46E-06	.24E-05
58000.	.23E-05	.15E-05	.81E-06	.67E-06	.93E-06	.80E-06	.12E-05	.90E-06	.41E-05	.45E-05	.58E-05	.41E-05	.46E-05	.24E-05	.13E-05	.44E-06	.23E-05
60000.	.22E-05	.14E-05	.77E-06	.64E-06	.88E-06	.77E-06	.11E-05	.87E-06	.40E-05	.43E-05	.55E-05	.39E-05	.44E-05	.23E-05	.13E-05	.43E-06	.22E-05
62000.	.21E-05	.14E-05	.75E-06	.62E-06	.86E-06	.74E-06	.11E-05	.84E-06	.38E-05	.42E-05	.54E-05	.38E-05	.42E-05	.22E-05	.12E-05	.41E-06	.21E-05
64000.	.21E-05	.13E-05	.72E-06	.60E-06	.83E-06	.72E-06	.10E-05	.82E-06	.37E-05	.41E-05	.52E-05	.37E-05	.41E-05	.21E-05	.12E-05	.40E-06	.20E-05
66000.	.20E-05	.13E-05	.70E-06	.58E-06	.80E-06	.70E-06	.10E-05	.79E-06	.36E-05	.39E-05	.50E-05	.36E-05	.40E-05	.21E-05	.12E-05	.39E-06	.20E-05
68000.	.20E-05	.13E-05	.68E-06	.56E-06	.78E-06	.68E-06	.99E-06	.77E-06	.35E-05	.38E-05	.49E-05	.35E-05	.39E-05	.20E-05	.11E-05	.38E-06	.19E-05
70000.	.19E-05	.12E-05	.66E-06	.55E-06	.76E-06	.66E-06	.96E-06	.75E-06	.34E-05	.37E-05	.47E-05	.34E-05	.38E-05	.19E-05	.11E-05	.37E-06	.19E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Controlled with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.11E-10	.37E-09	.27E-05	.24E-05	.30E-05	.27E-05	.38E-05	.23E-09	.21E-10	.11E-08	.20E-04	.12E-04	.14E-04	.68E-05	.39E-05	.10E-09	.45E-05
200.	.97E-06	.28E-06	.19E-05	.19E-05	.23E-05	.20E-05	.26E-05	.17E-06	.13E-05	.85E-06	.15E-04	.86E-05	.10E-04	.53E-05	.30E-05	.13E-06	.35E-05
300.	.42E-05	.16E-05	.60E-05	.67E-05	.74E-05	.64E-05	.80E-05	.11E-05	.55E-05	.43E-05	.49E-04	.26E-04	.33E-04	.17E-04	.97E-05	.60E-06	.12E-04
400.	.13E-05	.82E-06	.21E-04	.19E-04	.24E-04	.22E-04	.30E-04	.51E-06	.22E-05	.25E-05	.34E-03	.67E-03	.65E-03	.60E-03	.36E-03	.26E-06	.17E-03
500.	.70E-05	.49E-05	.28E-04	.25E-04	.31E-04	.28E-04	.38E-04	.36E-05	.43E-05	.72E-05	.27E-03	.32E-03	.33E-03	.26E-03	.15E-03	.27E-05	.95E-04
600.	.13E-05	.72E-06	.35E-04	.31E-04	.38E-04	.35E-04	.50E-04	.65E-06	.16E-05	.16E-05	.28E-03	.27E-03	.29E-03	.19E-03	.12E-03	.34E-06	.84E-04
700.	.41E-05	.18E-05	.40E-04	.34E-04	.45E-04	.42E-04	.60E-04	.98E-06	.38E-05	.35E-05	.29E-03	.25E-03	.26E-03	.17E-03	.10E-03	.10E-05	.82E-04
800.	.62E-05	.90E-05	.33E-04	.28E-04	.37E-04	.33E-04	.47E-04	.27E-05	.56E-05	.99E-05	.26E-03	.21E-03	.23E-03	.14E-03	.79E-04	.28E-05	.70E-04
900.	.50E-05	.38E-05	.31E-04	.26E-04	.34E-04	.30E-04	.43E-04	.23E-05	.92E-05	.12E-04	.23E-03	.18E-03	.20E-03	.12E-03	.68E-04	.11E-05	.63E-04
1000.	.82E-05	.60E-05	.29E-04	.25E-04	.32E-04	.29E-04	.41E-04	.37E-05	.15E-04	.18E-04	.22E-03	.17E-03	.18E-03	.10E-03	.61E-04	.18E-05	.59E-04
1100.	.12E-04	.84E-05	.26E-04	.22E-04	.29E-04	.25E-04	.36E-04	.51E-05	.21E-04	.25E-04	.19E-03	.15E-03	.16E-03	.90E-04	.52E-04	.32E-05	.54E-04
1200.	.14E-04	.10E-04	.24E-04	.20E-04	.26E-04	.23E-04	.34E-04	.61E-05	.26E-04	.30E-04	.18E-03	.13E-03	.15E-03	.81E-04	.47E-04	.30E-05	.50E-04
1300.	.17E-04	.11E-04	.22E-04	.18E-04	.24E-04	.21E-04	.31E-04	.70E-05	.30E-04	.35E-04	.16E-03	.12E-03	.13E-03	.73E-04	.42E-04	.34E-05	.47E-04
1400.	.21E-04	.14E-04	.19E-04	.16E-04	.22E-04	.19E-04	.28E-04	.81E-05	.34E-04	.39E-04	.15E-03	.11E-03	.12E-03	.64E-04	.37E-04	.43E-05	.44E-04
1500.	.21E-04	.15E-04	.18E-04	.15E-04	.20E-04	.18E-04	.25E-04	.94E-05	.37E-04	.42E-04	.13E-03	.98E-04	.11E-03	.59E-04	.34E-04	.49E-05	.41E-04
1600.	.20E-04	.14E-04	.16E-04	.14E-04	.18E-04	.16E-04	.23E-04	.84E-05	.36E-04	.41E-04	.12E-03	.89E-04	.98E-04	.53E-04	.31E-04	.43E-05	.38E-04
1700.	.20E-04	.14E-04	.15E-04	.13E-04	.17E-04	.15E-04	.21E-04	.83E-05	.37E-04	.42E-04	.11E-03	.81E-04	.90E-04	.48E-04	.28E-04	.41E-05	.35E-04
1800.	.20E-04	.13E-04	.14E-04	.12E-04	.15E-04	.14E-04	.20E-04	.83E-05	.37E-04	.42E-04	.10E-03	.75E-04	.83E-04	.44E-04	.26E-04	.40E-05	.33E-04
1900.	.20E-04	.13E-04	.13E-04	.11E-04	.15E-04	.13E-04	.19E-04	.83E-05	.36E-04	.41E-04	.96E-04	.70E-04	.77E-04	.42E-04	.24E-04	.41E-05	.32E-04
2000.	.20E-04	.13E-04	.12E-04	.10E-04	.14E-04	.12E-04	.18E-04	.81E-05	.36E-04	.40E-04	.89E-04	.65E-04	.71E-04	.38E-04	.22E-04	.39E-05	.29E-04
2100.	.21E-04	.13E-04	.11E-04	.94E-05	.12E-04	.11E-04	.16E-04	.80E-05	.36E-04	.40E-04	.82E-04	.59E-04	.65E-04	.35E-04	.20E-04	.40E-05	.28E-04
2200.	.20E-04	.13E-04	.10E-04	.86E-05	.11E-04	.10E-04	.15E-04	.78E-05	.35E-04	.39E-04	.75E-04	.54E-04	.60E-04	.32E-04	.19E-04	.40E-05	.26E-04
2300.	.19E-04	.12E-04	.95E-05	.79E-05	.11E-04	.93E-05	.13E-04	.75E-05	.33E-04	.37E-04	.70E-04	.51E-04	.56E-04	.30E-04	.17E-04	.37E-05	.24E-04
2400.	.18E-04	.12E-04	.89E-05	.74E-05	.98E-05	.87E-05	.13E-04	.72E-05	.32E-04	.36E-04	.65E-04	.47E-04	.52E-04	.28E-04	.16E-04	.35E-05	.23E-04
2500.	.17E-04	.11E-04	.84E-05	.70E-05	.92E-05	.82E-05	.12E-04	.70E-05	.31E-04	.35E-04	.61E-04	.44E-04	.49E-04	.26E-04	.15E-04	.34E-05	.22E-04
2600.	.17E-04	.11E-04	.78E-05	.65E-05	.87E-05	.77E-05	.11E-04	.68E-05	.31E-04	.34E-04	.58E-04	.41E-04	.46E-04	.24E-04	.14E-04	.34E-05	.20E-04
2700.	.17E-04	.11E-04	.73E-05	.61E-05	.81E-05	.72E-05	.10E-04	.67E-05	.30E-04	.33E-04	.54E-04	.39E-04	.43E-04	.23E-04	.13E-04	.33E-05	.19E-04
2800.	.16E-04	.10E-04	.69E-05	.58E-05	.77E-05	.68E-05	.98E-05	.65E-05	.29E-04	.32E-04	.51E-04	.37E-04	.41E-04	.22E-04	.12E-04	.32E-05	.18E-04
2900.	.15E-04	.10E-04	.65E-05	.55E-05	.72E-05	.64E-05	.92E-05	.62E-05	.27E-04	.30E-04	.48E-04	.35E-04	.38E-04	.20E-04	.12E-04	.31E-05	.18E-04
3000.	.15E-04	.95E-05	.62E-05	.52E-05	.68E-05	.61E-05	.87E-05	.59E-05	.26E-04	.29E-04	.45E-04	.33E-04	.36E-04	.19E-04	.11E-04	.29E-05	.17E-04
3100.	.14E-04	.92E-05	.59E-05	.49E-05	.65E-05	.57E-05	.83E-05	.56E-05	.25E-04	.28E-04	.43E-04	.31E-04	.34E-04	.18E-04	.11E-04	.28E-05	.16E-04
3200.	.14E-04	.87E-05	.56E-05	.46E-05	.62E-05	.54E-05	.78E-05	.54E-05	.24E-04	.27E-04	.41E-04	.29E-04	.33E-04	.17E-04	.10E-04	.26E-05	.15E-04
3300.	.13E-04	.85E-05	.53E-05	.44E-05	.59E-05	.52E-05	.75E-05	.52E-05	.23E-04	.26E-04	.39E-04	.28E-04	.31E-04	.16E-04	.95E-05	.25E-05	.14E-04
3400.	.13E-04	.81E-05	.51E-05	.42E-05	.56E-05	.49E-05	.71E-05	.50E-05	.23E-04	.25E-04	.37E-04	.27E-04	.29E-04	.16E-04	.90E-05	.24E-05	.14E-04
3500.	.12E-04	.79E-05	.48E-05	.40E-05	.53E-05	.47E-05	.68E-05	.48E-05	.22E-04	.24E-04	.35E-04	.25E-04	.28E-04	.15E-04	.86E-05	.24E-05	.13E-04
3600.	.12E-04	.76E-05	.46E-05	.38E-05	.51E-05	.45E-05	.65E-05	.46E-05	.21E-04	.23E-04	.34E-04	.24E-04	.27E-04	.14E-04	.82E-05	.23E-05	.13E-04
3700.	.11E-04	.73E-05	.45E-05	.37E-05	.49E-05	.44E-05	.63E-05	.44E-05	.20E-04	.22E-04	.33E-04	.23E-04	.26E-04	.14E-04	.84E-05	.22E-05	.12E-04
3800.	.11E-04	.70E-05	.42E-05	.35E-05	.47E-05	.42E-05	.60E-05	.43E-05	.19E-04	.21E-04	.31E-04	.22E-04	.25E-04	.13E-04	.79E-05	.21E-05	.12E-04
3900.	.10E-04	.67E-05	.41E-05	.34E-05	.45E-05	.40E-05	.57E-05	.41E-05	.19E-04	.21E-04	.29E-04	.21E-04	.23E-04	.13E-04	.73E-05	.20E-05	.11E-04
4000.	.10E-04	.65E-05	.39E-05	.32E-05	.43E-05	.38E-05	.55E-05	.40E-05	.18E-04	.20E-04	.28E-04	.20E-04	.22E-04	.12E-04	.69E-05	.19E-05	.11E-04
4100.	.97E-05	.62E-05	.37E-05	.31E-05	.41E-05	.36E-05	.52E-05	.38E-05	.18E-04	.19E-04	.27E-04	.19E-04	.21E-04	.11E-04	.66E-05	.19E-05	.10E-04
4200.	.94E-05	.60E-05	.36E-05	.30E-05	.39E-05	.35E-05	.50E-05	.37E-05	.17E-04	.19E-04	.26E-04	.19E-04	.21E-04	.11E-04	.63E-05	.18E-05	.99E-05
4300.	.90E-05	.58E-05	.34E-05	.28E-05	.38E-05	.34E-05	.48E-05	.36E-05	.16E-04	.18E-04	.25E-04	.18E-04	.20E-04	.10E-04	.61E-05	.17E-05	.95E-05
4400.	.88E-05	.56E-05	.33E-05	.27E-05	.36E-05	.32E-05	.47E-05	.35E-05	.16E-04	.17E-04	.24E-04	.17E-04	.19E-04	.10E-04	.58E-05	.17E-05	.91E-05
4500.	.85E-05	.54E-05	.31E-05	.26E-05	.35E-05	.31E-05	.45E-05	.34E-05	.15E-04	.17E-04	.23E-04	.16E-04	.18E-04	.96E-05	.56E-05	.16E-05	.88E-05
4600.	.82E-05	.53E-05	.30E-05	.25E-05	.34E-05	.30E-05	.43E-05	.32E-05	.15E-04	.16E-04	.22E-04	.16E-04	.18E-04	.93E-05	.54E-05	.16E-05	.85E-05
4700.	.79E-05	.51E-05	.29E-05	.24E-05	.32E-05	.29E-05	.42E-05	.31E-05	.14E-04	.16E-04	.21E-04	.15E-04	.17E-04	.89E-05	.52E-05	.15E-05	.82E-05
4800.	.77E-05	.50E-05	.28E-05	.23E-05	.31E-05	.28E-05	.40E-05	.30E-05	.14E-04	.15E-04	.21E-04	.15E-04	.16E-04	.86E-05	.50E-05	.15E-05	.79E-05
4900.	.75E-05	.48E-05	.27E-05	.23E-05	.30E-05	.27E-05	.39E-05	.30E-05	.14E-04	.15E-04	.20E-04	.14E-04	.16E-04	.83E-05	.48E-05	.15E-05	.77E-05
5000.	.72E-05	.47E-05	.26E-05	.22E-05	.29E-05	.26E-05	.37E-05	.29E-05	.13E-04	.14E-04	.19E-04	.14E-04	.15E-04	.80E-05	.46E-05	.14E-05	.74E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Controlled with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.63E-05	.40E-05	.22E-05	.18E-05	.25E-05	.22E-05	.32E-05	.25E-05	.11E-04	.12E-04	.16E-04	.12E-04	.13E-04	.68E-05	.39E-05	.12E-05	.63E-05
6000.	.55E-05	.35E-05	.19E-05	.16E-05	.21E-05	.19E-05	.27E-05	.22E-05	.99E-05	.11E-04	.14E-04	.99E-05	.11E-04	.58E-05	.34E-05	.11E-05	.54E-05
6500.	.48E-05	.31E-05	.16E-05	.14E-05	.18E-05	.16E-05	.23E-05	.19E-05	.87E-05	.95E-05	.12E-04	.86E-05	.95E-05	.50E-05	.29E-05	.94E-06	.47E-05
7000.	.43E-05	.27E-05	.14E-05	.12E-05	.16E-05	.14E-05	.20E-05	.17E-05	.77E-05	.84E-05	.11E-04	.76E-05	.84E-05	.44E-05	.25E-05	.83E-06	.42E-05
7500.	.38E-05	.24E-05	.13E-05	.11E-05	.14E-05	.12E-05	.18E-05	.15E-05	.68E-05	.75E-05	.93E-05	.67E-05	.74E-05	.39E-05	.22E-05	.74E-06	.37E-05
8000.	.34E-05	.22E-05	.11E-05	.94E-06	.13E-05	.11E-05	.16E-05	.13E-05	.61E-05	.67E-05	.83E-05	.60E-05	.66E-05	.35E-05	.20E-05	.66E-06	.33E-05
8500.	.31E-05	.20E-05	.10E-05	.85E-06	.11E-05	.10E-05	.14E-05	.12E-05	.55E-05	.61E-05	.75E-05	.53E-05	.59E-05	.31E-05	.18E-05	.60E-06	.30E-05
9000.	.28E-05	.18E-05	.91E-06	.76E-06	.10E-05	.90E-06	.13E-05	.11E-05	.50E-05	.55E-05	.67E-05	.48E-05	.54E-05	.28E-05	.16E-05	.54E-06	.27E-05
9500.	.26E-05	.16E-05	.87E-06	.72E-06	.99E-06	.86E-06	.13E-05	.10E-05	.46E-05	.50E-05	.63E-05	.45E-05	.50E-05	.27E-05	.15E-05	.50E-06	.25E-05
10000.	.23E-05	.15E-05	.78E-06	.65E-06	.88E-06	.77E-06	.11E-05	.92E-06	.42E-05	.46E-05	.57E-05	.41E-05	.45E-05	.24E-05	.14E-05	.45E-06	.23E-05
11000.	.21E-05	.13E-05	.70E-06	.58E-06	.78E-06	.69E-06	.99E-06	.82E-06	.38E-05	.41E-05	.51E-05	.37E-05	.41E-05	.21E-05	.12E-05	.40E-06	.20E-05
12000.	.19E-05	.12E-05	.64E-06	.53E-06	.71E-06	.63E-06	.91E-06	.75E-06	.34E-05	.38E-05	.47E-05	.33E-05	.37E-05	.20E-05	.11E-05	.37E-06	.19E-05
13000.	.18E-05	.11E-05	.59E-06	.49E-06	.65E-06	.58E-06	.83E-06	.69E-06	.32E-05	.35E-05	.43E-05	.31E-05	.34E-05	.18E-05	.10E-05	.34E-06	.17E-05
14000.	.16E-05	.10E-05	.54E-06	.45E-06	.60E-06	.53E-06	.77E-06	.64E-06	.30E-05	.32E-05	.40E-05	.29E-05	.32E-05	.17E-05	.96E-06	.31E-06	.16E-05
15000.	.15E-05	.98E-06	.51E-06	.42E-06	.56E-06	.50E-06	.72E-06	.60E-06	.28E-05	.30E-05	.37E-05	.27E-05	.30E-05	.16E-05	.90E-06	.29E-06	.15E-05
16000.	.14E-05	.92E-06	.47E-06	.40E-06	.53E-06	.47E-06	.67E-06	.56E-06	.26E-05	.28E-05	.35E-05	.25E-05	.28E-05	.15E-05	.84E-06	.28E-06	.14E-05
17000.	.15E-05	.86E-06	.45E-06	.37E-06	.50E-06	.44E-06	.63E-06	.53E-06	.25E-05	.27E-05	.33E-05	.23E-05	.26E-05	.14E-05	.79E-06	.26E-06	.13E-05
18000.	.13E-05	.82E-06	.42E-06	.35E-06	.47E-06	.41E-06	.60E-06	.50E-06	.23E-05	.25E-05	.31E-05	.22E-05	.25E-05	.13E-05	.75E-06	.25E-06	.12E-05
19000.	.12E-05	.77E-06	.40E-06	.33E-06	.44E-06	.39E-06	.57E-06	.48E-06	.22E-05	.24E-05	.29E-05	.21E-05	.23E-05	.12E-05	.71E-06	.23E-06	.12E-05
20000.	.12E-05	.73E-06	.38E-06	.32E-06	.42E-06	.37E-06	.54E-06	.45E-06	.21E-05	.23E-05	.28E-05	.20E-05	.22E-05	.12E-05	.67E-06	.22E-06	.11E-05
21000.	.11E-05	.70E-06	.37E-06	.31E-06	.42E-06	.37E-06	.54E-06	.43E-06	.20E-05	.22E-05	.27E-05	.19E-05	.22E-05	.11E-05	.65E-06	.21E-06	.11E-05
22000.	.10E-05	.67E-06	.35E-06	.29E-06	.39E-06	.35E-06	.50E-06	.41E-06	.19E-05	.21E-05	.26E-05	.18E-05	.20E-05	.11E-05	.61E-06	.20E-06	.10E-05
23000.	.10E-05	.64E-06	.33E-06	.28E-06	.37E-06	.33E-06	.48E-06	.40E-06	.18E-05	.20E-05	.24E-05	.18E-05	.19E-05	.10E-05	.59E-06	.19E-06	.97E-06
24000.	.96E-06	.61E-06	.32E-06	.27E-06	.36E-06	.31E-06	.45E-06	.38E-06	.17E-05	.19E-05	.23E-05	.17E-05	.19E-05	.98E-06	.56E-06	.19E-06	.93E-06
25000.	.92E-06	.59E-06	.31E-06	.26E-06	.34E-06	.30E-06	.44E-06	.36E-06	.17E-05	.18E-05	.22E-05	.16E-05	.18E-05	.93E-06	.54E-06	.18E-06	.89E-06
26000.	.89E-06	.57E-06	.29E-06	.24E-06	.33E-06	.29E-06	.42E-06	.35E-06	.16E-05	.17E-05	.22E-05	.15E-05	.17E-05	.90E-06	.52E-06	.17E-06	.86E-06
27000.	.85E-06	.55E-06	.28E-06	.24E-06	.31E-06	.28E-06	.40E-06	.34E-06	.15E-05	.17E-05	.21E-05	.15E-05	.16E-05	.86E-06	.50E-06	.17E-06	.82E-06
28000.	.82E-06	.53E-06	.27E-06	.23E-06	.30E-06	.27E-06	.39E-06	.32E-06	.15E-05	.16E-05	.20E-05	.14E-05	.16E-05	.83E-06	.48E-06	.16E-06	.79E-06
29000.	.79E-06	.51E-06	.26E-06	.22E-06	.29E-06	.26E-06	.37E-06	.31E-06	.14E-05	.16E-05	.19E-05	.14E-05	.15E-05	.80E-06	.46E-06	.15E-06	.77E-06
30000.	.77E-06	.49E-06	.25E-06	.21E-06	.28E-06	.25E-06	.36E-06	.30E-06	.14E-05	.15E-05	.19E-05	.13E-05	.15E-05	.78E-06	.45E-06	.15E-06	.74E-06
32000.	.72E-06	.46E-06	.24E-06	.20E-06	.26E-06	.23E-06	.34E-06	.28E-06	.13E-05	.14E-05	.17E-05	.12E-05	.14E-05	.72E-06	.42E-06	.14E-06	.69E-06
34000.	.67E-06	.43E-06	.22E-06	.19E-06	.25E-06	.22E-06	.32E-06	.27E-06	.12E-05	.13E-05	.16E-05	.12E-05	.13E-05	.68E-06	.39E-06	.13E-06	.65E-06
36000.	.64E-06	.41E-06	.21E-06	.18E-06	.23E-06	.21E-06	.30E-06	.25E-06	.11E-05	.13E-05	.15E-05	.11E-05	.12E-05	.64E-06	.37E-06	.12E-06	.61E-06
38000.	.60E-06	.38E-06	.20E-06	.17E-06	.22E-06	.20E-06	.28E-06	.24E-06	.11E-05	.12E-05	.15E-05	.10E-05	.12E-05	.61E-06	.35E-06	.12E-06	.58E-06
40000.	.57E-06	.37E-06	.19E-06	.16E-06	.21E-06	.19E-06	.27E-06	.22E-06	.10E-05	.11E-05	.14E-05	.99E-06	.11E-05	.58E-06	.33E-06	.11E-06	.55E-06
42000.	.54E-06	.35E-06	.18E-06	.15E-06	.20E-06	.18E-06	.26E-06	.21E-06	.98E-06	.11E-05	.13E-05	.95E-06	.10E-05	.55E-06	.31E-06	.10E-06	.53E-06
44000.	.52E-06	.33E-06	.17E-06	.14E-06	.19E-06	.17E-06	.24E-06	.20E-06	.94E-06	.10E-05	.13E-05	.90E-06	.10E-05	.52E-06	.30E-06	.99E-07	.50E-06
46000.	.50E-06	.32E-06	.16E-06	.14E-06	.18E-06	.16E-06	.23E-06	.20E-06	.90E-06	.98E-06	.12E-05	.86E-06	.96E-06	.50E-06	.29E-06	.95E-07	.48E-06
48000.	.48E-06	.30E-06	.16E-06	.13E-06	.18E-06	.16E-06	.22E-06	.19E-06	.86E-06	.94E-06	.12E-05	.83E-06	.92E-06	.48E-06	.27E-06	.91E-07	.46E-06
50000.	.46E-06	.29E-06	.15E-06	.13E-06	.17E-06	.15E-06	.22E-06	.18E-06	.83E-06	.90E-06	.11E-05	.80E-06	.89E-06	.46E-06	.26E-06	.87E-07	.44E-06
52000.	.44E-06	.28E-06	.17E-06	.14E-06	.21E-06	.18E-06	.26E-06	.17E-06	.79E-06	.87E-06	.12E-05	.87E-06	.97E-06	.50E-06	.27E-06	.84E-07	.46E-06
54000.	.42E-06	.27E-06	.16E-06	.13E-06	.19E-06	.16E-06	.23E-06	.17E-06	.77E-06	.84E-06	.11E-05	.80E-06	.89E-06	.46E-06	.26E-06	.81E-07	.43E-06
56000.	.41E-06	.26E-06	.15E-06	.12E-06	.17E-06	.15E-06	.22E-06	.16E-06	.74E-06	.81E-06	.11E-05	.75E-06	.84E-06	.44E-06	.24E-06	.78E-07	.41E-06
58000.	.39E-06	.25E-06	.14E-06	.12E-06	.16E-06	.14E-06	.20E-06	.16E-06	.71E-06	.78E-06	.10E-05	.72E-06	.80E-06	.42E-06	.23E-06	.76E-07	.39E-06
60000.	.38E-06	.24E-06	.13E-06	.11E-06	.15E-06	.13E-06	.19E-06	.15E-06	.69E-06	.75E-06	.96E-06	.69E-06	.77E-06	.40E-06	.22E-06	.73E-07	.38E-06
62000.	.37E-06	.24E-06	.13E-06	.11E-06	.15E-06	.13E-06	.19E-06	.15E-06	.67E-06	.73E-06	.93E-06	.67E-06	.74E-06	.39E-06	.22E-06	.71E-07	.37E-06
64000.	.36E-06	.23E-06	.13E-06	.10E-06	.14E-06	.13E-06	.18E-06	.14E-06	.65E-06	.71E-06	.90E-06	.65E-06	.72E-06	.37E-06	.21E-06	.69E-07	.36E-06
66000.	.35E-06	.22E-06	.12E-06	.10E-06	.14E-06	.12E-06	.18E-06	.14E-06	.63E-06	.68E-06	.88E-06	.63E-06	.70E-06	.36E-06	.20E-06	.67E-07	.34E-06
68000.	.34E-06	.22E-06	.12E-06	.98E-07	.14E-06	.12E-06	.17E-06	.13E-06	.61E-06	.66E-06	.85E-06	.61E-06	.68E-06	.35E-06	.20E-06	.65E-07	.33E-06
70000.	.33E-06	.21E-06	.11E-06	.95E-07	.13E-06	.11E-06	.17E-06	.13E-06	.59E-06	.65E-06	.83E-06	.59E-06	.66E-06	.34E-06	.19E-06	.63E-07	.32E-06

A.2. HOUSTON SITE

(BASELINE AND CONTROLLED)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Houston, Texas Site -- Baseline with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N / PLUME HEADED S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	AVG / AVG
100.	.73E-05	.23E-04	.35E-03	.45E-03	.36E-03	.21E-03	.41E-03	.81E-05	.74E-05	.10E-04	.24E-03	.14E-03	.16E-03	.21E-03	.26E-03	.23E-04	.18E-03
200.	.55E-04	.21E-04	.14E-03	.18E-03	.14E-03	.85E-04	.16E-03	.21E-04	.33E-04	.30E-04	.92E-04	.56E-04	.63E-04	.85E-04	.10E-03	.21E-04	.80E-04
300.	.95E-03	.17E-03	.31E-03	.38E-03	.33E-03	.22E-03	.38E-03	.80E-04	.36E-03	.10E-03	.21E-03	.13E-03	.15E-03	.18E-03	.22E-03	.18E-03	.27E-03
400.	.69E-04	.28E-04	.11E-02	.14E-02	.12E-02	.75E-03	.13E-02	.36E-04	.83E-04	.48E-04	.62E-03	.39E-03	.57E-03	.68E-03	.74E-03	.27E-04	.56E-03
500.	.51E-04	.14E-03	.13E-02	.16E-02	.12E-02	.91E-03	.17E-02	.27E-03	.60E-04	.13E-03	.81E-03	.49E-03	.73E-03	.83E-03	.88E-03	.14E-03	.70E-03
600.	.56E-04	.26E-04	.13E-02	.17E-02	.13E-02	.93E-03	.18E-02	.35E-04	.76E-04	.35E-04	.92E-03	.57E-03	.72E-03	.85E-03	.96E-03	.25E-04	.71E-03
700.	.84E-04	.27E-04	.14E-02	.18E-02	.15E-02	.11E-02	.20E-02	.66E-04	.58E-04	.46E-04	.97E-03	.59E-03	.72E-03	.88E-03	.10E-02	.43E-04	.78E-03
800.	.62E-04	.34E-04	.12E-02	.16E-02	.12E-02	.81E-03	.16E-02	.44E-04	.72E-04	.55E-04	.85E-03	.52E-03	.61E-03	.77E-03	.91E-03	.36E-04	.65E-03
900.	.11E-03	.49E-04	.11E-02	.15E-02	.11E-02	.74E-03	.15E-02	.67E-04	.14E-03	.91E-04	.79E-03	.48E-03	.56E-03	.71E-03	.85E-03	.48E-04	.62E-03
1000.	.17E-03	.71E-04	.11E-02	.14E-02	.12E-02	.83E-03	.15E-02	.97E-04	.21E-03	.13E-03	.76E-03	.47E-03	.54E-03	.68E-03	.82E-03	.70E-04	.63E-03
1100.	.22E-03	.94E-04	.96E-03	.12E-02	.97E-03	.62E-03	.12E-02	.13E-03	.27E-03	.17E-03	.66E-03	.40E-03	.46E-03	.59E-03	.71E-03	.92E-04	.55E-03
1200.	.27E-03	.11E-03	.86E-03	.11E-02	.87E-03	.56E-03	.11E-02	.15E-03	.33E-03	.21E-03	.60E-03	.36E-03	.41E-03	.53E-03	.64E-03	.11E-03	.51E-03
1300.	.33E-03	.13E-03	.78E-03	.10E-02	.79E-03	.50E-03	.98E-03	.17E-03	.39E-03	.24E-03	.54E-03	.33E-03	.37E-03	.48E-03	.58E-03	.12E-03	.48E-03
1400.	.41E-03	.18E-03	.71E-03	.92E-03	.72E-03	.46E-03	.89E-03	.23E-03	.50E-03	.27E-03	.49E-03	.30E-03	.34E-03	.44E-03	.53E-03	.17E-03	.47E-03
1500.	.36E-03	.15E-03	.65E-03	.84E-03	.66E-03	.42E-03	.81E-03	.20E-03	.44E-03	.27E-03	.45E-03	.27E-03	.31E-03	.40E-03	.48E-03	.14E-03	.43E-03
1600.	.37E-03	.15E-03	.60E-03	.78E-03	.62E-03	.39E-03	.75E-03	.20E-03	.46E-03	.27E-03	.41E-03	.25E-03	.28E-03	.37E-03	.45E-03	.14E-03	.40E-03
1700.	.38E-03	.15E-03	.55E-03	.72E-03	.57E-03	.37E-03	.70E-03	.20E-03	.46E-03	.28E-03	.38E-03	.23E-03	.26E-03	.34E-03	.41E-03	.15E-03	.38E-03
1800.	.37E-03	.15E-03	.51E-03	.66E-03	.52E-03	.34E-03	.65E-03	.20E-03	.46E-03	.27E-03	.35E-03	.21E-03	.24E-03	.31E-03	.38E-03	.14E-03	.36E-03
1900.	.37E-03	.15E-03	.47E-03	.60E-03	.48E-03	.30E-03	.58E-03	.19E-03	.46E-03	.27E-03	.32E-03	.20E-03	.22E-03	.29E-03	.35E-03	.14E-03	.34E-03
2000.	.36E-03	.14E-03	.43E-03	.56E-03	.44E-03	.27E-03	.53E-03	.19E-03	.45E-03	.26E-03	.29E-03	.18E-03	.20E-03	.26E-03	.32E-03	.14E-03	.31E-03
2100.	.36E-03	.14E-03	.39E-03	.51E-03	.40E-03	.25E-03	.49E-03	.19E-03	.44E-03	.26E-03	.27E-03	.17E-03	.19E-03	.24E-03	.30E-03	.14E-03	.30E-03
2200.	.36E-03	.14E-03	.37E-03	.47E-03	.37E-03	.23E-03	.45E-03	.18E-03	.43E-03	.25E-03	.25E-03	.15E-03	.17E-03	.22E-03	.27E-03	.14E-03	.28E-03
2300.	.34E-03	.13E-03	.34E-03	.44E-03	.34E-03	.22E-03	.42E-03	.17E-03	.42E-03	.24E-03	.23E-03	.14E-03	.16E-03	.21E-03	.26E-03	.13E-03	.26E-03
2400.	.33E-03	.13E-03	.32E-03	.41E-03	.32E-03	.20E-03	.39E-03	.17E-03	.40E-03	.23E-03	.22E-03	.13E-03	.15E-03	.20E-03	.24E-03	.12E-03	.25E-03
2500.	.32E-03	.12E-03	.30E-03	.39E-03	.30E-03	.19E-03	.37E-03	.17E-03	.40E-03	.23E-03	.20E-03	.13E-03	.14E-03	.18E-03	.22E-03	.12E-03	.24E-03
2600.	.31E-03	.12E-03	.28E-03	.36E-03	.28E-03	.18E-03	.35E-03	.16E-03	.38E-03	.22E-03	.19E-03	.12E-03	.13E-03	.17E-03	.21E-03	.12E-03	.22E-03
2700.	.29E-03	.12E-03	.26E-03	.34E-03	.27E-03	.17E-03	.32E-03	.16E-03	.37E-03	.21E-03	.18E-03	.11E-03	.12E-03	.16E-03	.20E-03	.11E-03	.21E-03
2800.	.28E-03	.11E-03	.25E-03	.32E-03	.25E-03	.16E-03	.31E-03	.15E-03	.35E-03	.20E-03	.17E-03	.10E-03	.12E-03	.15E-03	.19E-03	.11E-03	.20E-03
2900.	.27E-03	.11E-03	.23E-03	.30E-03	.24E-03	.15E-03	.29E-03	.14E-03	.34E-03	.19E-03	.16E-03	.98E-04	.11E-03	.14E-03	.18E-03	.10E-03	.19E-03
3000.	.26E-03	.10E-03	.22E-03	.29E-03	.22E-03	.14E-03	.27E-03	.13E-03	.32E-03	.19E-03	.15E-03	.93E-04	.10E-03	.14E-03	.17E-03	.98E-04	.18E-03
3100.	.25E-03	.97E-04	.21E-03	.27E-03	.21E-03	.13E-03	.26E-03	.13E-03	.31E-03	.18E-03	.14E-03	.88E-04	.99E-04	.13E-03	.16E-03	.94E-04	.17E-03
3200.	.24E-03	.93E-04	.20E-03	.26E-03	.20E-03	.13E-03	.25E-03	.12E-03	.30E-03	.17E-03	.14E-03	.84E-04	.94E-04	.12E-03	.15E-03	.90E-04	.16E-03
3300.	.23E-03	.90E-04	.19E-03	.25E-03	.19E-03	.12E-03	.24E-03	.12E-03	.29E-03	.17E-03	.13E-03	.80E-04	.89E-04	.12E-03	.14E-03	.87E-04	.16E-03
3400.	.22E-03	.87E-04	.18E-03	.23E-03	.19E-03	.12E-03	.23E-03	.11E-03	.28E-03	.16E-03	.12E-03	.76E-04	.85E-04	.11E-03	.14E-03	.85E-04	.15E-03
3500.	.22E-03	.85E-04	.17E-03	.22E-03	.18E-03	.11E-03	.22E-03	.11E-03	.27E-03	.15E-03	.12E-03	.72E-04	.81E-04	.11E-03	.13E-03	.83E-04	.15E-03
3600.	.21E-03	.82E-04	.16E-03	.21E-03	.17E-03	.11E-03	.21E-03	.11E-03	.26E-03	.15E-03	.11E-03	.69E-04	.77E-04	.10E-03	.12E-03	.79E-04	.14E-03
3700.	.20E-03	.78E-04	.16E-03	.20E-03	.16E-03	.10E-03	.20E-03	.10E-03	.25E-03	.14E-03	.11E-03	.66E-04	.74E-04	.96E-04	.12E-03	.76E-04	.13E-03
3800.	.19E-03	.75E-04	.15E-03	.19E-03	.15E-03	.99E-04	.19E-03	.99E-04	.24E-03	.14E-03	.10E-03	.63E-04	.71E-04	.92E-04	.11E-03	.73E-04	.13E-03
3900.	.19E-03	.72E-04	.14E-03	.19E-03	.15E-03	.95E-04	.18E-03	.95E-04	.23E-03	.13E-03	.98E-04	.60E-04	.68E-04	.88E-04	.11E-03	.70E-04	.12E-03
4000.	.18E-03	.70E-04	.14E-03	.18E-03	.14E-03	.91E-04	.17E-03	.92E-04	.22E-03	.13E-03	.94E-04	.58E-04	.65E-04	.84E-04	.10E-03	.67E-04	.12E-03
4100.	.17E-03	.68E-04	.13E-03	.17E-03	.14E-03	.87E-04	.17E-03	.89E-04	.21E-03	.12E-03	.90E-04	.55E-04	.62E-04	.81E-04	.99E-04	.65E-04	.11E-03
4200.	.17E-03	.65E-04	.13E-03	.16E-03	.13E-03	.83E-04	.16E-03	.86E-04	.21E-03	.12E-03	.86E-04	.53E-04	.60E-04	.77E-04	.95E-04	.63E-04	.11E-03
4300.	.16E-03	.63E-04	.12E-03	.16E-03	.12E-03	.80E-04	.15E-03	.83E-04	.20E-03	.11E-03	.83E-04	.51E-04	.57E-04	.74E-04	.91E-04	.61E-04	.10E-03
4400.	.16E-03	.61E-04	.12E-03	.15E-03	.12E-03	.76E-04	.15E-03	.80E-04	.19E-03	.11E-03	.80E-04	.49E-04	.55E-04	.71E-04	.88E-04	.59E-04	.10E-03
4500.	.15E-03	.58E-04	.11E-03	.14E-03	.11E-03	.73E-04	.14E-03	.77E-04	.19E-03	.11E-03	.76E-04	.47E-04	.53E-04	.68E-04	.84E-04	.57E-04	.97E-04
4600.	.15E-03	.57E-04	.11E-03	.14E-03	.11E-03	.70E-04	.13E-03	.75E-04	.18E-03	.10E-03	.74E-04	.45E-04	.51E-04	.66E-04	.81E-04	.55E-04	.94E-04
4700.	.14E-03	.55E-04	.10E-03	.13E-03	.11E-03	.67E-04	.13E-03	.73E-04	.18E-03	.10E-03	.71E-04	.43E-04	.49E-04	.63E-04	.78E-04	.53E-04	.90E-04
4800.	.14E-03	.53E-04	.10E-03	.13E-03	.10E-03	.65E-04	.12E-03	.71E-04	.17E-03	.98E-04	.68E-04	.42E-04	.47E-04	.61E-04	.75E-04	.51E-04	.87E-04
4900.	.13E-03	.52E-04	.97E-04	.12E-03	.99E-04	.62E-04	.12E-03	.69E-04	.17E-03	.95E-04	.66E-04	.40E-04	.45E-04	.59E-04	.73E-04	.50E-04	.84E-04
5000.	.13E-03	.50E-04	.93E-04	.12E-03	.95E-04	.60E-04	.12E-03	.67E-04	.16E-03	.92E-04	.63E-04	.39E-04	.44E-04	.57E-04	.70E-04	.49E-04	.82E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Houston, Texas Site -- Baseline with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.11E-03	.44E-04	.79E-04	.10E-03	.81E-04	.51E-04	.97E-04	.58E-04	.14E-03	.79E-04	.54E-04	.33E-04	.37E-04	.48E-04	.59E-04	.42E-04	.70E-04
6000.	.97E-04	.38E-04	.67E-04	.87E-04	.68E-04	.43E-04	.83E-04	.51E-04	.12E-03	.69E-04	.46E-04	.28E-04	.32E-04	.41E-04	.51E-04	.37E-04	.60E-04
6500.	.85E-04	.33E-04	.58E-04	.75E-04	.59E-04	.37E-04	.72E-04	.44E-04	.11E-03	.60E-04	.40E-04	.24E-04	.27E-04	.36E-04	.44E-04	.32E-04	.52E-04
7000.	.76E-04	.29E-04	.51E-04	.66E-04	.52E-04	.32E-04	.63E-04	.39E-04	.93E-04	.53E-04	.35E-04	.21E-04	.24E-04	.31E-04	.38E-04	.28E-04	.46E-04
7500.	.67E-04	.26E-04	.45E-04	.58E-04	.46E-04	.29E-04	.55E-04	.34E-04	.83E-04	.47E-04	.31E-04	.19E-04	.21E-04	.28E-04	.34E-04	.25E-04	.41E-04
8000.	.60E-04	.23E-04	.40E-04	.52E-04	.41E-04	.25E-04	.49E-04	.31E-04	.74E-04	.43E-04	.27E-04	.17E-04	.19E-04	.25E-04	.30E-04	.22E-04	.36E-04
8500.	.54E-04	.21E-04	.36E-04	.47E-04	.36E-04	.23E-04	.44E-04	.28E-04	.67E-04	.38E-04	.25E-04	.15E-04	.17E-04	.22E-04	.27E-04	.20E-04	.33E-04
9000.	.49E-04	.19E-04	.33E-04	.42E-04	.33E-04	.21E-04	.40E-04	.25E-04	.61E-04	.35E-04	.22E-04	.14E-04	.15E-04	.20E-04	.25E-04	.18E-04	.30E-04
9500.	.45E-04	.17E-04	.30E-04	.38E-04	.30E-04	.19E-04	.37E-04	.23E-04	.56E-04	.32E-04	.20E-04	.12E-04	.14E-04	.18E-04	.22E-04	.17E-04	.27E-04
10000.	.41E-04	.16E-04	.27E-04	.35E-04	.27E-04	.17E-04	.33E-04	.21E-04	.51E-04	.29E-04	.18E-04	.11E-04	.13E-04	.17E-04	.20E-04	.15E-04	.25E-04
11000.	.38E-04	.14E-04	.25E-04	.32E-04	.25E-04	.16E-04	.30E-04	.19E-04	.46E-04	.26E-04	.17E-04	.10E-04	.12E-04	.15E-04	.19E-04	.14E-04	.22E-04
12000.	.34E-04	.13E-04	.22E-04	.29E-04	.23E-04	.14E-04	.28E-04	.17E-04	.42E-04	.24E-04	.15E-04	.94E-05	.11E-04	.14E-04	.17E-04	.13E-04	.20E-04
13000.	.31E-04	.12E-04	.21E-04	.27E-04	.21E-04	.13E-04	.26E-04	.16E-04	.39E-04	.22E-04	.14E-04	.87E-05	.97E-05	.13E-04	.16E-04	.12E-04	.19E-04
14000.	.29E-04	.11E-04	.19E-04	.25E-04	.19E-04	.12E-04	.24E-04	.15E-04	.36E-04	.20E-04	.13E-04	.81E-05	.90E-05	.12E-04	.15E-04	.11E-04	.17E-04
15000.	.27E-04	.10E-04	.18E-04	.23E-04	.18E-04	.11E-04	.22E-04	.14E-04	.34E-04	.19E-04	.12E-04	.75E-05	.84E-05	.11E-04	.14E-04	.10E-04	.16E-04
16000.	.25E-04	.98E-05	.17E-04	.22E-04	.17E-04	.11E-04	.21E-04	.13E-04	.31E-04	.18E-04	.11E-04	.70E-05	.79E-05	.10E-04	.13E-04	.95E-05	.15E-04
17000.	.24E-04	.93E-05	.16E-04	.20E-04	.16E-04	.10E-04	.19E-04	.12E-04	.30E-04	.17E-04	.11E-04	.66E-05	.74E-05	.97E-05	.12E-04	.90E-05	.14E-04
18000.	.23E-04	.88E-05	.15E-04	.19E-04	.15E-04	.95E-05	.18E-04	.12E-04	.28E-04	.16E-04	.10E-04	.63E-05	.70E-05	.92E-05	.11E-04	.85E-05	.14E-04
19000.	.22E-04	.83E-05	.14E-04	.18E-04	.14E-04	.90E-05	.17E-04	.11E-04	.27E-04	.15E-04	.97E-05	.59E-05	.66E-05	.87E-05	.11E-04	.81E-05	.13E-04
20000.	.20E-04	.79E-05	.13E-04	.17E-04	.14E-04	.85E-05	.17E-04	.10E-04	.25E-04	.14E-04	.92E-05	.56E-05	.63E-05	.83E-05	.10E-04	.77E-05	.12E-04
21000.	.20E-04	.75E-05	.13E-04	.17E-04	.13E-04	.81E-05	.16E-04	.99E-05	.24E-04	.14E-04	.87E-05	.54E-05	.60E-05	.79E-05	.97E-05	.73E-05	.12E-04
22000.	.19E-04	.72E-05	.12E-04	.16E-04	.12E-04	.77E-05	.15E-04	.95E-05	.23E-04	.13E-04	.83E-05	.51E-05	.57E-05	.75E-05	.92E-05	.70E-05	.11E-04
23000.	.18E-04	.69E-05	.12E-04	.15E-04	.12E-04	.74E-05	.14E-04	.91E-05	.22E-04	.13E-04	.80E-05	.49E-05	.55E-05	.72E-05	.88E-05	.67E-05	.11E-04
24000.	.17E-04	.66E-05	.11E-04	.15E-04	.11E-04	.71E-05	.14E-04	.87E-05	.21E-04	.12E-04	.76E-05	.47E-05	.53E-05	.69E-05	.85E-05	.64E-05	.10E-04
25000.	.16E-04	.63E-05	.11E-04	.14E-04	.11E-04	.68E-05	.13E-04	.84E-05	.20E-04	.12E-04	.73E-05	.45E-05	.51E-05	.66E-05	.81E-05	.61E-05	.98E-05
26000.	.16E-04	.61E-05	.10E-04	.13E-04	.11E-04	.65E-05	.13E-04	.81E-05	.19E-04	.11E-04	.71E-05	.43E-05	.49E-05	.63E-05	.78E-05	.59E-05	.94E-05
27000.	.15E-04	.59E-05	.10E-04	.13E-04	.10E-04	.63E-05	.12E-04	.78E-05	.19E-04	.11E-04	.68E-05	.42E-05	.47E-05	.61E-05	.75E-05	.57E-05	.90E-05
28000.	.15E-04	.56E-05	.96E-05	.12E-04	.98E-05	.61E-05	.12E-04	.75E-05	.18E-04	.10E-04	.66E-05	.40E-05	.45E-05	.59E-05	.73E-05	.55E-05	.87E-05
29000.	.14E-04	.54E-05	.93E-05	.12E-04	.94E-05	.59E-05	.11E-04	.72E-05	.17E-04	.99E-05	.63E-05	.39E-05	.44E-05	.57E-05	.70E-05	.53E-05	.84E-05
30000.	.14E-04	.53E-05	.90E-05	.12E-04	.91E-05	.57E-05	.11E-04	.70E-05	.17E-04	.96E-05	.61E-05	.38E-05	.42E-05	.55E-05	.68E-05	.51E-05	.81E-05
32000.	.13E-04	.49E-05	.84E-05	.11E-04	.85E-05	.53E-05	.10E-04	.65E-05	.16E-04	.90E-05	.57E-05	.35E-05	.39E-05	.51E-05	.63E-05	.48E-05	.76E-05
34000.	.12E-04	.46E-05	.79E-05	.10E-04	.80E-05	.50E-05	.97E-05	.61E-05	.15E-04	.84E-05	.54E-05	.33E-05	.37E-05	.48E-05	.60E-05	.45E-05	.72E-05
36000.	.11E-04	.44E-05	.75E-05	.97E-05	.76E-05	.47E-05	.92E-05	.58E-05	.14E-04	.80E-05	.51E-05	.31E-05	.35E-05	.46E-05	.56E-05	.42E-05	.68E-05
38000.	.11E-04	.41E-05	.71E-05	.91E-05	.72E-05	.45E-05	.87E-05	.54E-05	.13E-04	.76E-05	.48E-05	.30E-05	.33E-05	.43E-05	.53E-05	.40E-05	.64E-05
40000.	.10E-04	.39E-05	.67E-05	.87E-05	.68E-05	.42E-05	.82E-05	.52E-05	.13E-04	.72E-05	.46E-05	.28E-05	.31E-05	.41E-05	.51E-05	.38E-05	.61E-05
42000.	.97E-05	.37E-05	.64E-05	.83E-05	.65E-05	.40E-05	.79E-05	.49E-05	.12E-04	.68E-05	.44E-05	.27E-05	.30E-05	.39E-05	.48E-05	.36E-05	.58E-05
44000.	.93E-05	.36E-05	.61E-05	.79E-05	.62E-05	.39E-05	.75E-05	.47E-05	.11E-04	.65E-05	.42E-05	.26E-05	.29E-05	.37E-05	.46E-05	.35E-05	.55E-05
46000.	.89E-05	.34E-05	.58E-05	.76E-05	.59E-05	.37E-05	.72E-05	.45E-05	.11E-04	.62E-05	.40E-05	.24E-05	.27E-05	.36E-05	.44E-05	.33E-05	.53E-05
48000.	.85E-05	.33E-05	.56E-05	.72E-05	.57E-05	.35E-05	.69E-05	.43E-05	.10E-04	.60E-05	.38E-05	.23E-05	.26E-05	.34E-05	.42E-05	.32E-05	.51E-05
50000.	.81E-05	.31E-05	.54E-05	.70E-05	.55E-05	.34E-05	.66E-05	.41E-05	.10E-04	.57E-05	.37E-05	.22E-05	.25E-05	.33E-05	.40E-05	.30E-05	.49E-05
52000.	.78E-05	.30E-05	.52E-05	.67E-05	.52E-05	.33E-05	.63E-05	.40E-05	.96E-05	.55E-05	.35E-05	.22E-05	.24E-05	.32E-05	.39E-05	.29E-05	.47E-05
54000.	.75E-05	.29E-05	.50E-05	.64E-05	.50E-05	.31E-05	.61E-05	.38E-05	.93E-05	.53E-05	.34E-05	.21E-05	.23E-05	.30E-05	.37E-05	.28E-05	.45E-05
56000.	.73E-05	.28E-05	.48E-05	.62E-05	.49E-05	.30E-05	.59E-05	.37E-05	.90E-05	.51E-05	.33E-05	.20E-05	.22E-05	.29E-05	.36E-05	.27E-05	.43E-05
58000.	.70E-05	.27E-05	.46E-05	.60E-05	.47E-05	.29E-05	.57E-05	.36E-05	.86E-05	.49E-05	.32E-05	.19E-05	.22E-05	.28E-05	.35E-05	.26E-05	.42E-05
60000.	.68E-05	.26E-05	.45E-05	.58E-05	.45E-05	.28E-05	.55E-05	.34E-05	.84E-05	.48E-05	.31E-05	.19E-05	.21E-05	.27E-05	.34E-05	.25E-05	.40E-05
62000.	.65E-05	.25E-05	.43E-05	.56E-05	.44E-05	.27E-05	.53E-05	.33E-05	.81E-05	.46E-05	.30E-05	.18E-05	.20E-05	.26E-05	.33E-05	.24E-05	.39E-05
64000.	.63E-05	.24E-05	.42E-05	.54E-05	.42E-05	.26E-05	.51E-05	.32E-05	.78E-05	.45E-05	.29E-05	.18E-05	.20E-05	.26E-05	.32E-05	.24E-05	.38E-05
66000.	.61E-05	.24E-05	.41E-05	.53E-05	.41E-05	.26E-05	.50E-05	.31E-05	.76E-05	.43E-05	.28E-05	.17E-05	.19E-05	.25E-05	.31E-05	.23E-05	.37E-05
68000.	.60E-05	.23E-05	.39E-05	.51E-05	.40E-05	.25E-05	.48E-05	.30E-05	.74E-05	.42E-05	.27E-05	.17E-05	.18E-05	.24E-05	.30E-05	.22E-05	.36E-05
70000.	.58E-05	.22E-05	.38E-05	.50E-05	.39E-05	.24E-05	.47E-05	.30E-05	.72E-05	.41E-05	.26E-05	.16E-05	.18E-05	.23E-05	.29E-05	.22E-05	.35E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Houston, Texas Site -- HVAC with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.11E-04	.38E-08	.22E-04	.30E-04	.26E-04	.22E-04	.40E-04	.46E-08	.14E-04	.37E-08	.21E-04	.12E-04	.12E-04	.13E-04	.15E-04	.32E-08	.15E-04
200.	.65E-05	.29E-05	.18E-04	.25E-04	.21E-04	.17E-04	.32E-04	.44E-05	.77E-05	.56E-05	.17E-04	.10E-04	.98E-05	.11E-04	.13E-04	.25E-05	.13E-04
300.	.80E-05	.21E-05	.12E-03	.16E-03	.13E-03	.11E-03	.22E-03	.30E-05	.10E-04	.39E-05	.11E-03	.67E-04	.65E-04	.73E-04	.82E-04	.19E-05	.73E-04
400.	.50E-05	.16E-05	.18E-02	.29E-02	.30E-02	.28E-02	.22E-02	.23E-05	.63E-05	.28E-05	.57E-03	.51E-03	.53E-03	.58E-03	.11E-02	.14E-05	.10E-02
500.	.72E-04	.90E-05	.10E-02	.17E-02	.15E-02	.12E-02	.12E-02	.92E-05	.26E-04	.57E-05	.42E-03	.33E-03	.32E-03	.46E-03	.79E-03	.10E-04	.56E-03
600.	.32E-04	.14E-05	.66E-03	.10E-02	.95E-03	.78E-03	.87E-03	.19E-05	.14E-04	.20E-05	.34E-03	.24E-03	.24E-03	.31E-03	.49E-03	.12E-05	.37E-03
700.	.20E-04	.94E-06	.50E-03	.78E-03	.70E-03	.58E-03	.70E-03	.16E-05	.98E-05	.21E-05	.29E-03	.20E-03	.20E-03	.24E-03	.37E-03	.91E-06	.29E-03
800.	.18E-04	.39E-05	.40E-03	.62E-03	.56E-03	.46E-03	.58E-03	.46E-05	.13E-04	.55E-05	.25E-03	.17E-03	.17E-03	.20E-03	.29E-03	.38E-05	.23E-03
900.	.21E-04	.40E-05	.34E-03	.52E-03	.46E-03	.39E-03	.49E-03	.72E-05	.22E-04	.10E-04	.22E-03	.14E-03	.14E-03	.17E-03	.25E-03	.39E-05	.20E-03
1000.	.26E-04	.70E-05	.29E-03	.43E-03	.39E-03	.32E-03	.43E-03	.14E-04	.32E-04	.17E-04	.19E-03	.12E-03	.12E-03	.15E-03	.21E-03	.75E-05	.17E-03
1100.	.32E-04	.95E-05	.25E-03	.37E-03	.33E-03	.28E-03	.37E-03	.17E-04	.44E-04	.23E-04	.17E-03	.11E-03	.11E-03	.13E-03	.18E-03	.91E-05	.15E-03
1200.	.38E-04	.12E-04	.22E-03	.32E-03	.29E-03	.24E-03	.33E-03	.21E-04	.56E-04	.29E-04	.15E-03	.96E-04	.95E-04	.11E-03	.15E-03	.11E-04	.14E-03
1300.	.43E-04	.14E-04	.19E-03	.29E-03	.25E-03	.21E-03	.29E-03	.24E-04	.64E-04	.34E-04	.13E-03	.86E-04	.84E-04	.99E-04	.14E-03	.13E-04	.12E-03
1400.	.53E-04	.18E-04	.17E-03	.25E-03	.23E-03	.19E-03	.26E-03	.30E-04	.77E-04	.39E-04	.12E-03	.77E-04	.76E-04	.89E-04	.12E-03	.18E-04	.11E-03
1500.	.50E-04	.17E-04	.15E-03	.23E-03	.20E-03	.17E-03	.23E-03	.30E-04	.76E-04	.41E-04	.11E-03	.69E-04	.68E-04	.80E-04	.11E-03	.16E-04	.10E-03
1600.	.51E-04	.17E-04	.14E-03	.20E-03	.18E-03	.15E-03	.21E-03	.31E-04	.80E-04	.43E-04	.98E-04	.62E-04	.61E-04	.72E-04	.97E-04	.17E-04	.94E-04
1700.	.53E-04	.18E-04	.12E-03	.18E-03	.16E-03	.14E-03	.19E-03	.32E-04	.82E-04	.44E-04	.89E-04	.57E-04	.55E-04	.65E-04	.88E-04	.17E-04	.87E-04
1800.	.53E-04	.18E-04	.11E-03	.17E-03	.15E-03	.12E-03	.17E-03	.32E-04	.83E-04	.45E-04	.81E-04	.52E-04	.51E-04	.59E-04	.80E-04	.17E-04	.81E-04
1900.	.53E-04	.18E-04	.10E-03	.15E-03	.14E-03	.11E-03	.16E-03	.32E-04	.83E-04	.45E-04	.75E-04	.47E-04	.46E-04	.54E-04	.73E-04	.17E-04	.75E-04
2000.	.53E-04	.18E-04	.94E-04	.14E-03	.12E-03	.10E-03	.15E-03	.32E-04	.83E-04	.45E-04	.69E-04	.44E-04	.43E-04	.50E-04	.67E-04	.17E-04	.71E-04
2100.	.52E-04	.18E-04	.87E-04	.13E-03	.11E-03	.96E-04	.14E-03	.31E-04	.82E-04	.44E-04	.64E-04	.40E-04	.39E-04	.46E-04	.62E-04	.17E-04	.66E-04
2200.	.52E-04	.18E-04	.80E-04	.12E-03	.11E-03	.88E-04	.12E-03	.31E-04	.80E-04	.43E-04	.59E-04	.37E-04	.36E-04	.42E-04	.57E-04	.18E-04	.62E-04
2300.	.50E-04	.17E-04	.74E-04	.11E-03	.97E-04	.82E-04	.12E-03	.31E-04	.78E-04	.42E-04	.55E-04	.35E-04	.34E-04	.39E-04	.53E-04	.17E-04	.58E-04
2400.	.48E-04	.17E-04	.69E-04	.10E-03	.91E-04	.76E-04	.11E-03	.30E-04	.76E-04	.41E-04	.51E-04	.32E-04	.32E-04	.37E-04	.49E-04	.16E-04	.55E-04
2500.	.47E-04	.16E-04	.65E-04	.96E-04	.85E-04	.71E-04	.10E-03	.29E-04	.74E-04	.40E-04	.48E-04	.30E-04	.30E-04	.35E-04	.46E-04	.16E-04	.52E-04
2600.	.45E-04	.16E-04	.61E-04	.89E-04	.80E-04	.67E-04	.94E-04	.28E-04	.72E-04	.39E-04	.45E-04	.28E-04	.28E-04	.32E-04	.43E-04	.15E-04	.49E-04
2700.	.44E-04	.15E-04	.57E-04	.84E-04	.74E-04	.62E-04	.88E-04	.27E-04	.70E-04	.38E-04	.42E-04	.26E-04	.26E-04	.30E-04	.40E-04	.15E-04	.46E-04
2800.	.42E-04	.15E-04	.53E-04	.78E-04	.69E-04	.58E-04	.83E-04	.26E-04	.67E-04	.36E-04	.39E-04	.25E-04	.24E-04	.28E-04	.38E-04	.14E-04	.44E-04
2900.	.41E-04	.14E-04	.50E-04	.74E-04	.65E-04	.55E-04	.78E-04	.25E-04	.65E-04	.35E-04	.37E-04	.23E-04	.23E-04	.27E-04	.35E-04	.14E-04	.41E-04
3000.	.39E-04	.14E-04	.47E-04	.69E-04	.62E-04	.52E-04	.73E-04	.24E-04	.63E-04	.34E-04	.35E-04	.22E-04	.22E-04	.25E-04	.33E-04	.13E-04	.39E-04
3100.	.38E-04	.13E-04	.44E-04	.65E-04	.58E-04	.49E-04	.69E-04	.23E-04	.60E-04	.33E-04	.33E-04	.21E-04	.20E-04	.24E-04	.31E-04	.13E-04	.37E-04
3200.	.37E-04	.13E-04	.42E-04	.62E-04	.55E-04	.46E-04	.66E-04	.23E-04	.58E-04	.32E-04	.31E-04	.20E-04	.19E-04	.22E-04	.30E-04	.12E-04	.35E-04
3300.	.36E-04	.12E-04	.40E-04	.59E-04	.52E-04	.44E-04	.62E-04	.22E-04	.56E-04	.30E-04	.30E-04	.19E-04	.18E-04	.21E-04	.28E-04	.12E-04	.34E-04
3400.	.34E-04	.12E-04	.38E-04	.56E-04	.49E-04	.41E-04	.59E-04	.21E-04	.55E-04	.29E-04	.28E-04	.18E-04	.17E-04	.20E-04	.27E-04	.11E-04	.32E-04
3500.	.33E-04	.12E-04	.36E-04	.53E-04	.47E-04	.39E-04	.56E-04	.20E-04	.53E-04	.28E-04	.27E-04	.17E-04	.17E-04	.19E-04	.25E-04	.11E-04	.31E-04
3600.	.32E-04	.11E-04	.34E-04	.50E-04	.45E-04	.38E-04	.54E-04	.20E-04	.51E-04	.27E-04	.26E-04	.16E-04	.16E-04	.18E-04	.24E-04	.11E-04	.30E-04
3700.	.31E-04	.11E-04	.33E-04	.48E-04	.43E-04	.36E-04	.51E-04	.19E-04	.49E-04	.27E-04	.24E-04	.15E-04	.15E-04	.17E-04	.23E-04	.10E-04	.28E-04
3800.	.30E-04	.10E-04	.31E-04	.46E-04	.41E-04	.34E-04	.49E-04	.18E-04	.47E-04	.26E-04	.23E-04	.15E-04	.14E-04	.17E-04	.22E-04	.10E-04	.27E-04
3900.	.29E-04	.10E-04	.30E-04	.44E-04	.39E-04	.33E-04	.47E-04	.18E-04	.46E-04	.25E-04	.22E-04	.14E-04	.14E-04	.16E-04	.21E-04	.97E-05	.26E-04
4000.	.28E-04	.97E-05	.29E-04	.42E-04	.37E-04	.31E-04	.45E-04	.17E-04	.44E-04	.24E-04	.21E-04	.13E-04	.13E-04	.15E-04	.20E-04	.94E-05	.25E-04
4100.	.27E-04	.94E-05	.27E-04	.40E-04	.36E-04	.30E-04	.43E-04	.17E-04	.43E-04	.23E-04	.20E-04	.13E-04	.13E-04	.15E-04	.19E-04	.91E-05	.24E-04
4200.	.26E-04	.91E-05	.26E-04	.39E-04	.34E-04	.29E-04	.41E-04	.16E-04	.41E-04	.22E-04	.20E-04	.12E-04	.12E-04	.14E-04	.19E-04	.88E-05	.23E-04
4300.	.25E-04	.88E-05	.25E-04	.37E-04	.33E-04	.28E-04	.40E-04	.16E-04	.40E-04	.22E-04	.19E-04	.12E-04	.12E-04	.13E-04	.18E-04	.85E-05	.22E-04
4400.	.24E-04	.85E-05	.24E-04	.36E-04	.32E-04	.27E-04	.38E-04	.15E-04	.39E-04	.21E-04	.18E-04	.11E-04	.11E-04	.13E-04	.17E-04	.82E-05	.21E-04
4500.	.24E-04	.82E-05	.23E-04	.34E-04	.30E-04	.26E-04	.37E-04	.15E-04	.38E-04	.20E-04	.17E-04	.11E-04	.11E-04	.12E-04	.16E-04	.79E-05	.21E-04
4600.	.23E-04	.80E-05	.22E-04	.33E-04	.29E-04	.25E-04	.35E-04	.14E-04	.36E-04	.20E-04	.17E-04	.11E-04	.10E-04	.12E-04	.16E-04	.77E-05	.20E-04
4700.	.22E-04	.77E-05	.22E-04	.32E-04	.28E-04	.24E-04	.34E-04	.14E-04	.35E-04	.19E-04	.16E-04	.10E-04	.99E-05	.11E-04	.15E-04	.75E-05	.19E-04
4800.	.21E-04	.75E-05	.21E-04	.31E-04	.27E-04	.23E-04	.33E-04	.13E-04	.34E-04	.19E-04	.16E-04	.98E-05	.96E-05	.11E-04	.15E-04	.72E-05	.19E-04
4900.	.21E-04	.73E-05	.20E-04	.29E-04	.26E-04	.22E-04	.32E-04	.13E-04	.33E-04	.18E-04	.15E-04	.94E-05	.92E-05	.11E-04	.14E-04	.70E-05	.18E-04
5000.	.20E-04	.71E-05	.19E-04	.28E-04	.25E-04	.21E-04	.30E-04	.13E-04	.32E-04	.17E-04	.15E-04	.91E-05	.89E-05	.10E-04	.14E-04	.68E-05	.17E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Houston, Texas Site -- HVAC with 6-cell North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.18E-04	.62E-05	.16E-04	.24E-04	.21E-04	.18E-04	.26E-04	.11E-04	.28E-04	.15E-04	.12E-04	.77E-05	.75E-05	.87E-05	.12E-04	.59E-05	.15E-04
6000.	.15E-04	.54E-05	.14E-04	.21E-04	.18E-04	.15E-04	.22E-04	.96E-05	.25E-04	.13E-04	.11E-04	.66E-05	.65E-05	.75E-05	.99E-05	.52E-05	.13E-04
6500.	.14E-04	.48E-05	.12E-04	.18E-04	.16E-04	.13E-04	.19E-04	.84E-05	.22E-04	.12E-04	.91E-05	.57E-05	.56E-05	.65E-05	.86E-05	.46E-05	.11E-04
7000.	.12E-04	.42E-05	.11E-04	.16E-04	.14E-04	.12E-04	.17E-04	.75E-05	.19E-04	.10E-04	.80E-05	.50E-05	.49E-05	.57E-05	.75E-05	.41E-05	.98E-05
7500.	.11E-04	.38E-05	.95E-05	.14E-04	.12E-04	.10E-04	.15E-04	.67E-05	.17E-04	.93E-05	.71E-05	.45E-05	.44E-05	.51E-05	.67E-05	.37E-05	.87E-05
8000.	.97E-05	.35E-05	.85E-05	.12E-04	.11E-04	.93E-05	.13E-04	.60E-05	.15E-04	.84E-05	.64E-05	.40E-05	.39E-05	.45E-05	.60E-05	.33E-05	.79E-05
8500.	.89E-05	.32E-05	.77E-05	.11E-04	.10E-04	.84E-05	.12E-04	.55E-05	.14E-04	.76E-05	.58E-05	.36E-05	.36E-05	.41E-05	.54E-05	.30E-05	.71E-05
9000.	.82E-05	.29E-05	.70E-05	.10E-04	.92E-05	.77E-05	.11E-04	.51E-05	.13E-04	.70E-05	.52E-05	.33E-05	.33E-05	.37E-05	.49E-05	.28E-05	.65E-05
9500.	.75E-05	.27E-05	.64E-05	.94E-05	.85E-05	.71E-05	.10E-04	.47E-05	.12E-04	.64E-05	.48E-05	.31E-05	.30E-05	.34E-05	.45E-05	.26E-05	.60E-05
10000.	.70E-05	.26E-05	.59E-05	.86E-05	.78E-05	.65E-05	.92E-05	.44E-05	.11E-04	.59E-05	.44E-05	.28E-05	.28E-05	.32E-05	.42E-05	.25E-05	.56E-05
11000.	.65E-05	.24E-05	.54E-05	.79E-05	.73E-05	.61E-05	.85E-05	.41E-05	.10E-04	.54E-05	.41E-05	.27E-05	.27E-05	.29E-05	.38E-05	.23E-05	.51E-05
12000.	.61E-05	.23E-05	.50E-05	.74E-05	.68E-05	.57E-05	.79E-05	.38E-05	.93E-05	.50E-05	.39E-05	.25E-05	.25E-05	.27E-05	.36E-05	.21E-05	.48E-05
13000.	.56E-05	.21E-05	.46E-05	.68E-05	.63E-05	.52E-05	.73E-05	.35E-05	.86E-05	.46E-05	.36E-05	.23E-05	.23E-05	.25E-05	.33E-05	.20E-05	.44E-05
14000.	.51E-05	.19E-05	.43E-05	.63E-05	.58E-05	.48E-05	.68E-05	.32E-05	.80E-05	.43E-05	.33E-05	.21E-05	.22E-05	.23E-05	.30E-05	.18E-05	.41E-05
15000.	.48E-05	.18E-05	.40E-05	.59E-05	.54E-05	.45E-05	.63E-05	.30E-05	.74E-05	.40E-05	.31E-05	.20E-05	.20E-05	.22E-05	.28E-05	.17E-05	.38E-05
16000.	.45E-05	.17E-05	.38E-05	.55E-05	.51E-05	.42E-05	.59E-05	.28E-05	.70E-05	.38E-05	.29E-05	.19E-05	.19E-05	.20E-05	.27E-05	.16E-05	.36E-05
17000.	.42E-05	.16E-05	.35E-05	.52E-05	.48E-05	.40E-05	.56E-05	.27E-05	.66E-05	.36E-05	.27E-05	.18E-05	.18E-05	.19E-05	.25E-05	.15E-05	.34E-05
18000.	.40E-05	.15E-05	.33E-05	.49E-05	.45E-05	.38E-05	.53E-05	.25E-05	.62E-05	.34E-05	.26E-05	.17E-05	.17E-05	.18E-05	.24E-05	.14E-05	.32E-05
19000.	.38E-05	.14E-05	.32E-05	.46E-05	.43E-05	.36E-05	.50E-05	.24E-05	.59E-05	.32E-05	.24E-05	.16E-05	.16E-05	.17E-05	.22E-05	.14E-05	.30E-05
20000.	.36E-05	.14E-05	.30E-05	.44E-05	.40E-05	.34E-05	.47E-05	.23E-05	.56E-05	.30E-05	.23E-05	.15E-05	.15E-05	.16E-05	.21E-05	.13E-05	.29E-05
21000.	.34E-05	.13E-05	.29E-05	.42E-05	.39E-05	.32E-05	.45E-05	.22E-05	.53E-05	.29E-05	.22E-05	.14E-05	.14E-05	.16E-05	.20E-05	.12E-05	.27E-05
22000.	.33E-05	.12E-05	.27E-05	.40E-05	.37E-05	.31E-05	.43E-05	.21E-05	.51E-05	.27E-05	.21E-05	.14E-05	.14E-05	.15E-05	.19E-05	.12E-05	.26E-05
23000.	.31E-05	.12E-05	.26E-05	.38E-05	.35E-05	.29E-05	.41E-05	.20E-05	.49E-05	.26E-05	.20E-05	.13E-05	.13E-05	.14E-05	.18E-05	.11E-05	.25E-05
24000.	.30E-05	.11E-05	.25E-05	.36E-05	.34E-05	.28E-05	.39E-05	.19E-05	.46E-05	.25E-05	.19E-05	.12E-05	.13E-05	.14E-05	.18E-05	.11E-05	.24E-05
25000.	.29E-05	.11E-05	.24E-05	.35E-05	.32E-05	.27E-05	.38E-05	.18E-05	.45E-05	.24E-05	.18E-05	.12E-05	.12E-05	.13E-05	.17E-05	.10E-05	.23E-05
26000.	.27E-05	.10E-05	.23E-05	.34E-05	.31E-05	.26E-05	.36E-05	.17E-05	.43E-05	.23E-05	.18E-05	.11E-05	.12E-05	.13E-05	.16E-05	.99E-06	.22E-05
27000.	.26E-05	.10E-05	.22E-05	.32E-05	.30E-05	.25E-05	.35E-05	.17E-05	.41E-05	.22E-05	.17E-05	.11E-05	.11E-05	.12E-05	.16E-05	.95E-06	.21E-05
28000.	.25E-05	.97E-06	.21E-05	.31E-05	.29E-05	.24E-05	.34E-05	.16E-05	.40E-05	.22E-05	.16E-05	.11E-05	.11E-05	.12E-05	.15E-05	.92E-06	.20E-05
29000.	.25E-05	.93E-06	.21E-05	.30E-05	.28E-05	.23E-05	.33E-05	.16E-05	.38E-05	.21E-05	.16E-05	.10E-05	.10E-05	.11E-05	.15E-05	.88E-06	.20E-05
30000.	.24E-05	.90E-06	.20E-05	.29E-05	.27E-05	.22E-05	.31E-05	.15E-05	.37E-05	.20E-05	.15E-05	.99E-06	.10E-05	.11E-05	.14E-05	.85E-06	.19E-05
32000.	.22E-05	.85E-06	.19E-05	.27E-05	.25E-05	.21E-05	.29E-05	.14E-05	.35E-05	.19E-05	.14E-05	.93E-06	.94E-06	.10E-05	.13E-05	.80E-06	.18E-05
34000.	.21E-05	.80E-06	.18E-05	.26E-05	.24E-05	.20E-05	.28E-05	.13E-05	.33E-05	.18E-05	.14E-05	.88E-06	.89E-06	.96E-06	.12E-05	.75E-06	.17E-05
36000.	.20E-05	.75E-06	.17E-05	.24E-05	.22E-05	.19E-05	.26E-05	.13E-05	.31E-05	.17E-05	.13E-05	.83E-06	.84E-06	.91E-06	.12E-05	.71E-06	.16E-05
38000.	.19E-05	.71E-06	.16E-05	.23E-05	.21E-05	.18E-05	.25E-05	.12E-05	.29E-05	.16E-05	.12E-05	.78E-06	.79E-06	.86E-06	.11E-05	.68E-06	.15E-05
40000.	.18E-05	.68E-06	.15E-05	.22E-05	.20E-05	.17E-05	.24E-05	.11E-05	.28E-05	.15E-05	.12E-05	.74E-06	.75E-06	.81E-06	.11E-05	.64E-06	.14E-05
42000.	.17E-05	.65E-06	.14E-05	.21E-05	.19E-05	.16E-05	.22E-05	.11E-05	.27E-05	.14E-05	.11E-05	.71E-06	.72E-06	.78E-06	.10E-05	.61E-06	.14E-05
44000.	.16E-05	.62E-06	.14E-05	.20E-05	.18E-05	.15E-05	.21E-05	.10E-05	.25E-05	.14E-05	.10E-05	.68E-06	.69E-06	.74E-06	.96E-06	.58E-06	.13E-05
46000.	.15E-05	.59E-06	.13E-05	.19E-05	.17E-05	.15E-05	.20E-05	.99E-06	.24E-05	.13E-05	.10E-05	.65E-06	.66E-06	.71E-06	.91E-06	.56E-06	.12E-05
48000.	.15E-05	.57E-06	.12E-05	.18E-05	.17E-05	.14E-05	.20E-05	.95E-06	.23E-05	.13E-05	.96E-06	.62E-06	.63E-06	.68E-06	.88E-06	.54E-06	.12E-05
50000.	.14E-05	.54E-06	.12E-05	.17E-05	.16E-05	.13E-05	.19E-05	.91E-06	.22E-05	.12E-05	.92E-06	.59E-06	.60E-06	.65E-06	.84E-06	.51E-06	.11E-05
52000.	.14E-05	.52E-06	.11E-05	.17E-05	.15E-05	.13E-05	.18E-05	.87E-06	.21E-05	.12E-05	.88E-06	.57E-06	.58E-06	.62E-06	.81E-06	.49E-06	.11E-05
54000.	.13E-05	.50E-06	.11E-05	.16E-05	.15E-05	.12E-05	.17E-05	.84E-06	.21E-05	.11E-05	.85E-06	.55E-06	.56E-06	.60E-06	.78E-06	.48E-06	.11E-05
56000.	.13E-05	.49E-06	.11E-05	.15E-05	.14E-05	.12E-05	.17E-05	.81E-06	.20E-05	.11E-05	.82E-06	.53E-06	.54E-06	.58E-06	.75E-06	.46E-06	.10E-05
58000.	.12E-05	.47E-06	.10E-05	.15E-05	.14E-05	.11E-05	.16E-05	.78E-06	.19E-05	.10E-05	.79E-06	.51E-06	.52E-06	.56E-06	.72E-06	.44E-06	.98E-06
60000.	.12E-05	.45E-06	.99E-06	.14E-05	.13E-05	.11E-05	.16E-05	.76E-06	.19E-05	.10E-05	.77E-06	.49E-06	.50E-06	.54E-06	.70E-06	.43E-06	.94E-06
62000.	.11E-05	.44E-06	.95E-06	.14E-05	.13E-05	.11E-05	.15E-05	.73E-06	.18E-05	.97E-06	.74E-06	.48E-06	.48E-06	.52E-06	.67E-06	.41E-06	.91E-06
64000.	.11E-05	.42E-06	.92E-06	.13E-05	.12E-05	.10E-05	.15E-05	.71E-06	.17E-05	.94E-06	.72E-06	.46E-06	.47E-06	.51E-06	.65E-06	.40E-06	.88E-06
66000.	.11E-05	.41E-06	.90E-06	.13E-05	.12E-05	.10E-05	.14E-05	.69E-06	.17E-05	.91E-06	.70E-06	.45E-06	.45E-06	.49E-06	.63E-06	.39E-06	.86E-06
68000.	.10E-05	.40E-06	.87E-06	.13E-05	.12E-05	.97E-06	.14E-05	.67E-06	.16E-05	.89E-06	.68E-06	.44E-06	.44E-06	.48E-06	.61E-06	.38E-06	.83E-06
70000.	.10E-05	.39E-06	.84E-06	.12E-05	.11E-05	.95E-06	.13E-05	.65E-06	.16E-05	.86E-06	.66E-06	.42E-06	.43E-06	.46E-06	.60E-06	.37E-06	.81E-06

A.3. LOS ANGELES SITE

(BASELINE AND CONTROLLED)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

LAX 6-cell LMDCT, Baseline with East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.45E-03	.21E-05	.92E-04	.13E-03	.38E-03	.15E-03	.70E-04	.31E-05	.42E-03	.25E-05	.11E-03	.53E-03	.53E-03	.62E-04	.40E-04	.13E-05	.19E-03
200.	.26E-03	.70E-04	.16E-03	.19E-03	.32E-03	.15E-03	.87E-04	.68E-04	.27E-03	.46E-04	.11E-03	.24E-03	.20E-03	.60E-04	.75E-04	.48E-04	.15E-03
300.	.64E-03	.67E-04	.95E-04	.12E-03	.29E-03	.14E-03	.95E-04	.90E-04	.76E-03	.52E-04	.15E-03	.72E-03	.78E-03	.74E-04	.78E-04	.58E-04	.26E-03
400.	.12E-02	.23E-04	.39E-04	.52E-04	.91E-04	.42E-04	.25E-04	.21E-04	.13E-02	.14E-04	.35E-04	.26E-03	.13E-02	.18E-04	.49E-04	.15E-04	.28E-03
500.	.16E-02	.23E-04	.24E-04	.32E-04	.55E-04	.26E-04	.16E-04	.25E-04	.16E-02	.17E-04	.20E-04	.43E-03	.27E-02	.10E-04	.74E-04	.15E-04	.42E-03
600.	.17E-02	.46E-04	.20E-04	.25E-04	.44E-04	.23E-04	.15E-04	.43E-04	.17E-02	.30E-04	.29E-04	.32E-03	.15E-02	.11E-04	.45E-04	.32E-04	.35E-03
700.	.17E-02	.64E-04	.51E-04	.87E-04	.21E-03	.83E-04	.49E-04	.54E-04	.17E-02	.36E-04	.69E-04	.36E-03	.11E-02	.31E-04	.53E-04	.41E-04	.36E-03
800.	.16E-02	.12E-03	.39E-04	.52E-04	.90E-04	.42E-04	.25E-04	.99E-04	.15E-02	.67E-04	.33E-04	.17E-03	.73E-03	.17E-04	.35E-04	.73E-04	.30E-03
900.	.15E-02	.17E-03	.73E-04	.95E-04	.16E-03	.77E-04	.45E-04	.14E-03	.14E-02	.96E-04	.65E-04	.27E-03	.69E-03	.34E-04	.52E-04	.10E-03	.31E-03
1000.	.14E-02	.21E-03	.11E-03	.15E-03	.25E-03	.12E-03	.69E-04	.18E-03	.13E-02	.12E-03	.93E-04	.27E-03	.57E-03	.48E-04	.64E-04	.13E-03	.32E-03
1100.	.13E-02	.25E-03	.15E-03	.20E-03	.35E-03	.16E-03	.95E-04	.22E-03	.12E-02	.15E-03	.13E-03	.36E-03	.57E-03	.65E-04	.82E-04	.16E-03	.34E-03
1200.	.12E-02	.26E-03	.19E-03	.25E-03	.43E-03	.20E-03	.12E-03	.23E-03	.11E-02	.15E-03	.16E-03	.42E-03	.58E-03	.81E-04	.98E-04	.17E-03	.35E-03
1300.	.11E-02	.27E-03	.22E-03	.29E-03	.50E-03	.23E-03	.14E-03	.23E-03	.97E-03	.16E-03	.18E-03	.48E-03	.60E-03	.94E-04	.11E-03	.17E-03	.36E-03
1400.	.98E-03	.27E-03	.26E-03	.35E-03	.64E-03	.29E-03	.17E-03	.24E-03	.88E-03	.16E-03	.24E-03	.68E-03	.75E-03	.12E-03	.14E-03	.17E-03	.40E-03
1500.	.90E-03	.27E-03	.25E-03	.33E-03	.57E-03	.27E-03	.16E-03	.24E-03	.80E-03	.16E-03	.21E-03	.50E-03	.56E-03	.11E-03	.13E-03	.17E-03	.35E-03
1600.	.82E-03	.27E-03	.26E-03	.34E-03	.59E-03	.27E-03	.16E-03	.24E-03	.74E-03	.16E-03	.21E-03	.51E-03	.55E-03	.11E-03	.13E-03	.17E-03	.35E-03
1700.	.76E-03	.27E-03	.27E-03	.35E-03	.60E-03	.28E-03	.16E-03	.23E-03	.68E-03	.16E-03	.22E-03	.51E-03	.53E-03	.11E-03	.13E-03	.17E-03	.34E-03
1800.	.70E-03	.26E-03	.27E-03	.35E-03	.60E-03	.28E-03	.16E-03	.23E-03	.62E-03	.15E-03	.22E-03	.51E-03	.52E-03	.11E-03	.13E-03	.17E-03	.33E-03
1900.	.65E-03	.25E-03	.27E-03	.35E-03	.60E-03	.28E-03	.16E-03	.22E-03	.58E-03	.15E-03	.22E-03	.51E-03	.51E-03	.11E-03	.13E-03	.16E-03	.32E-03
2000.	.60E-03	.24E-03	.26E-03	.35E-03	.60E-03	.28E-03	.16E-03	.21E-03	.54E-03	.14E-03	.21E-03	.50E-03	.49E-03	.11E-03	.13E-03	.15E-03	.31E-03
2100.	.56E-03	.23E-03	.26E-03	.34E-03	.58E-03	.27E-03	.16E-03	.20E-03	.49E-03	.14E-03	.21E-03	.49E-03	.48E-03	.11E-03	.13E-03	.15E-03	.30E-03
2200.	.52E-03	.22E-03	.25E-03	.33E-03	.57E-03	.27E-03	.16E-03	.19E-03	.46E-03	.13E-03	.21E-03	.49E-03	.47E-03	.11E-03	.13E-03	.14E-03	.29E-03
2300.	.48E-03	.21E-03	.25E-03	.33E-03	.57E-03	.26E-03	.15E-03	.18E-03	.43E-03	.12E-03	.20E-03	.48E-03	.46E-03	.11E-03	.12E-03	.13E-03	.28E-03
2400.	.45E-03	.20E-03	.24E-03	.31E-03	.54E-03	.25E-03	.15E-03	.18E-03	.40E-03	.12E-03	.20E-03	.46E-03	.43E-03	.10E-03	.12E-03	.13E-03	.27E-03
2500.	.42E-03	.19E-03	.23E-03	.30E-03	.52E-03	.24E-03	.14E-03	.17E-03	.37E-03	.11E-03	.19E-03	.45E-03	.42E-03	.98E-04	.11E-03	.12E-03	.26E-03
2600.	.39E-03	.18E-03	.23E-03	.29E-03	.51E-03	.24E-03	.14E-03	.16E-03	.35E-03	.11E-03	.18E-03	.44E-03	.41E-03	.95E-04	.11E-03	.12E-03	.25E-03
2700.	.38E-03	.17E-03	.22E-03	.28E-03	.49E-03	.23E-03	.13E-03	.15E-03	.33E-03	.10E-03	.18E-03	.42E-03	.39E-03	.92E-04	.11E-03	.11E-03	.24E-03
2800.	.35E-03	.17E-03	.21E-03	.27E-03	.47E-03	.22E-03	.13E-03	.15E-03	.31E-03	.99E-04	.17E-03	.39E-03	.36E-03	.88E-04	.10E-03	.11E-03	.23E-03
2900.	.33E-03	.16E-03	.20E-03	.26E-03	.45E-03	.21E-03	.12E-03	.14E-03	.29E-03	.95E-04	.16E-03	.38E-03	.35E-03	.85E-04	.98E-04	.10E-03	.22E-03
3000.	.31E-03	.15E-03	.19E-03	.25E-03	.43E-03	.20E-03	.12E-03	.14E-03	.28E-03	.92E-04	.16E-03	.36E-03	.33E-03	.82E-04	.95E-04	.98E-04	.21E-03
3100.	.30E-03	.15E-03	.19E-03	.24E-03	.42E-03	.20E-03	.11E-03	.13E-03	.26E-03	.88E-04	.15E-03	.35E-03	.32E-03	.79E-04	.91E-04	.94E-04	.20E-03
3200.	.28E-03	.14E-03	.18E-03	.24E-03	.40E-03	.19E-03	.11E-03	.12E-03	.25E-03	.84E-04	.15E-03	.33E-03	.31E-03	.76E-04	.88E-04	.90E-04	.19E-03
3300.	.27E-03	.13E-03	.17E-03	.23E-03	.39E-03	.18E-03	.11E-03	.12E-03	.24E-03	.81E-04	.14E-03	.32E-03	.30E-03	.73E-04	.85E-04	.86E-04	.18E-03
3400.	.25E-03	.13E-03	.17E-03	.22E-03	.38E-03	.18E-03	.10E-03	.11E-03	.22E-03	.77E-04	.14E-03	.31E-03	.29E-03	.71E-04	.82E-04	.82E-04	.18E-03
3500.	.24E-03	.12E-03	.16E-03	.21E-03	.37E-03	.17E-03	.99E-04	.11E-03	.21E-03	.74E-04	.13E-03	.30E-03	.27E-03	.68E-04	.79E-04	.79E-04	.17E-03
3600.	.23E-03	.12E-03	.16E-03	.20E-03	.35E-03	.16E-03	.95E-04	.11E-03	.20E-03	.71E-04	.13E-03	.29E-03	.26E-03	.66E-04	.76E-04	.76E-04	.16E-03
3700.	.22E-03	.11E-03	.15E-03	.20E-03	.34E-03	.16E-03	.92E-04	.10E-03	.19E-03	.69E-04	.12E-03	.28E-03	.25E-03	.64E-04	.74E-04	.73E-04	.16E-03
3800.	.21E-03	.11E-03	.15E-03	.19E-03	.33E-03	.15E-03	.88E-04	.97E-04	.19E-03	.66E-04	.12E-03	.27E-03	.24E-03	.61E-04	.71E-04	.70E-04	.15E-03
3900.	.20E-03	.11E-03	.14E-03	.18E-03	.32E-03	.15E-03	.85E-04	.93E-04	.18E-03	.63E-04	.11E-03	.26E-03	.24E-03	.59E-04	.69E-04	.67E-04	.15E-03
4000.	.20E-03	.10E-03	.14E-03	.18E-03	.30E-03	.14E-03	.82E-04	.90E-04	.18E-03	.61E-04	.11E-03	.25E-03	.23E-03	.57E-04	.66E-04	.65E-04	.14E-03
4100.	.19E-03	.98E-04	.13E-03	.17E-03	.29E-03	.14E-03	.80E-04	.86E-04	.17E-03	.59E-04	.11E-03	.24E-03	.22E-03	.55E-04	.64E-04	.62E-04	.14E-03
4200.	.18E-03	.94E-04	.13E-03	.17E-03	.28E-03	.13E-03	.77E-04	.83E-04	.16E-03	.56E-04	.10E-03	.24E-03	.21E-03	.53E-04	.62E-04	.60E-04	.13E-03
4300.	.17E-03	.91E-04	.12E-03	.16E-03	.28E-03	.13E-03	.75E-04	.80E-04	.15E-03	.54E-04	.99E-04	.23E-03	.21E-03	.52E-04	.60E-04	.58E-04	.13E-03
4400.	.17E-03	.88E-04	.12E-03	.16E-03	.27E-03	.12E-03	.72E-04	.77E-04	.15E-03	.53E-04	.96E-04	.22E-03	.20E-03	.50E-04	.58E-04	.56E-04	.12E-03
4500.	.16E-03	.85E-04	.12E-03	.15E-03	.26E-03	.12E-03	.70E-04	.75E-04	.14E-03	.51E-04	.93E-04	.22E-03	.19E-03	.49E-04	.56E-04	.54E-04	.12E-03
4600.	.15E-03	.82E-04	.11E-03	.15E-03	.25E-03	.12E-03	.68E-04	.72E-04	.14E-03	.49E-04	.90E-04	.21E-03	.19E-03	.47E-04	.54E-04	.52E-04	.11E-03
4700.	.15E-03	.79E-04	.11E-03	.14E-03	.24E-03	.11E-03	.66E-04	.70E-04	.13E-03	.47E-04	.88E-04	.20E-03	.18E-03	.46E-04	.53E-04	.50E-04	.11E-03
4800.	.14E-03	.77E-04	.10E-03	.14E-03	.24E-03	.11E-03	.64E-04	.68E-04	.13E-03	.46E-04	.85E-04	.20E-03	.18E-03	.44E-04	.51E-04	.49E-04	.11E-03
4900.	.14E-03	.74E-04	.10E-03	.13E-03	.23E-03	.11E-03	.62E-04	.65E-04	.12E-03	.44E-04	.82E-04	.19E-03	.17E-03	.43E-04	.50E-04	.47E-04	.10E-03
5000.	.13E-03	.72E-04	.99E-04	.13E-03	.22E-03	.10E-03	.60E-04	.63E-04	.12E-03	.43E-04	.80E-04	.19E-03	.17E-03	.42E-04	.48E-04	.46E-04	.10E-03

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

LAX 6-cell LMDCT, Baseline with East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.11E-03	.62E-04	.85E-04	.11E-03	.19E-03	.89E-04	.52E-04	.54E-04	.99E-04	.37E-04	.69E-04	.16E-03	.14E-03	.36E-04	.42E-04	.39E-04	.87E-04
6000.	.97E-04	.53E-04	.74E-04	.97E-04	.17E-03	.78E-04	.45E-04	.47E-04	.85E-04	.32E-04	.60E-04	.14E-03	.12E-03	.31E-04	.36E-04	.34E-04	.75E-04
6500.	.84E-04	.47E-04	.65E-04	.85E-04	.15E-03	.68E-04	.40E-04	.41E-04	.74E-04	.28E-04	.53E-04	.12E-03	.11E-03	.28E-04	.32E-04	.30E-04	.66E-04
7000.	.82E-04	.41E-04	.58E-04	.76E-04	.13E-03	.61E-04	.35E-04	.36E-04	.73E-04	.25E-04	.47E-04	.11E-03	.96E-04	.24E-04	.28E-04	.26E-04	.59E-04
7500.	.67E-04	.37E-04	.52E-04	.68E-04	.12E-03	.54E-04	.31E-04	.32E-04	.59E-04	.22E-04	.42E-04	.96E-04	.85E-04	.22E-04	.25E-04	.23E-04	.52E-04
8000.	.59E-04	.33E-04	.46E-04	.61E-04	.10E-03	.49E-04	.28E-04	.29E-04	.52E-04	.20E-04	.38E-04	.87E-04	.77E-04	.20E-04	.23E-04	.21E-04	.47E-04
8500.	.53E-04	.30E-04	.42E-04	.55E-04	.94E-04	.44E-04	.26E-04	.26E-04	.46E-04	.18E-04	.34E-04	.80E-04	.70E-04	.18E-04	.20E-04	.19E-04	.42E-04
9000.	.47E-04	.27E-04	.38E-04	.50E-04	.86E-04	.40E-04	.23E-04	.24E-04	.42E-04	.16E-04	.31E-04	.74E-04	.65E-04	.16E-04	.19E-04	.17E-04	.39E-04
9500.	.43E-04	.25E-04	.35E-04	.46E-04	.78E-04	.37E-04	.21E-04	.22E-04	.38E-04	.15E-04	.29E-04	.70E-04	.60E-04	.15E-04	.17E-04	.16E-04	.35E-04
10000.	.39E-04	.23E-04	.32E-04	.42E-04	.72E-04	.34E-04	.20E-04	.20E-04	.35E-04	.14E-04	.27E-04	.66E-04	.57E-04	.14E-04	.16E-04	.14E-04	.33E-04
11000.	.36E-04	.21E-04	.29E-04	.38E-04	.65E-04	.31E-04	.18E-04	.18E-04	.32E-04	.13E-04	.25E-04	.62E-04	.53E-04	.12E-04	.14E-04	.13E-04	.30E-04
12000.	.33E-04	.19E-04	.27E-04	.35E-04	.60E-04	.29E-04	.17E-04	.17E-04	.29E-04	.12E-04	.24E-04	.60E-04	.51E-04	.11E-04	.13E-04	.12E-04	.28E-04
13000.	.30E-04	.17E-04	.25E-04	.32E-04	.55E-04	.26E-04	.16E-04	.16E-04	.27E-04	.11E-04	.22E-04	.56E-04	.47E-04	.11E-04	.12E-04	.11E-04	.26E-04
14000.	.28E-04	.16E-04	.23E-04	.30E-04	.51E-04	.24E-04	.14E-04	.15E-04	.25E-04	.99E-05	.20E-04	.52E-04	.43E-04	.98E-05	.11E-04	.10E-04	.24E-04
15000.	.26E-04	.15E-04	.21E-04	.28E-04	.48E-04	.23E-04	.13E-04	.14E-04	.23E-04	.93E-05	.19E-04	.48E-04	.40E-04	.91E-05	.10E-04	.96E-05	.22E-04
16000.	.29E-04	.14E-04	.20E-04	.26E-04	.45E-04	.21E-04	.13E-04	.13E-04	.26E-04	.87E-05	.18E-04	.45E-04	.38E-04	.85E-05	.97E-05	.90E-05	.22E-04
17000.	.24E-04	.13E-04	.19E-04	.25E-04	.42E-04	.20E-04	.12E-04	.12E-04	.22E-04	.82E-05	.17E-04	.43E-04	.36E-04	.80E-05	.92E-05	.85E-05	.20E-04
18000.	.23E-04	.13E-04	.18E-04	.23E-04	.40E-04	.19E-04	.11E-04	.11E-04	.20E-04	.77E-05	.16E-04	.40E-04	.34E-04	.76E-05	.86E-05	.80E-05	.19E-04
19000.	.21E-04	.12E-04	.17E-04	.22E-04	.38E-04	.18E-04	.11E-04	.11E-04	.19E-04	.73E-05	.15E-04	.38E-04	.32E-04	.72E-05	.82E-05	.76E-05	.18E-04
20000.	.20E-04	.11E-04	.16E-04	.21E-04	.36E-04	.17E-04	.10E-04	.10E-04	.18E-04	.69E-05	.14E-04	.36E-04	.31E-04	.68E-05	.78E-05	.72E-05	.17E-04
21000.	.19E-04	.11E-04	.15E-04	.20E-04	.34E-04	.16E-04	.96E-05	.97E-05	.17E-04	.66E-05	.14E-04	.35E-04	.29E-04	.65E-05	.74E-05	.69E-05	.16E-04
22000.	.18E-04	.10E-04	.15E-04	.19E-04	.33E-04	.16E-04	.92E-05	.93E-05	.16E-04	.63E-05	.13E-04	.33E-04	.28E-04	.62E-05	.71E-05	.66E-05	.15E-04
23000.	.17E-04	.98E-05	.14E-04	.18E-04	.31E-04	.15E-04	.88E-05	.89E-05	.15E-04	.60E-05	.12E-04	.32E-04	.26E-04	.59E-05	.68E-05	.63E-05	.15E-04
24000.	.17E-04	.94E-05	.13E-04	.17E-04	.30E-04	.14E-04	.84E-05	.85E-05	.15E-04	.58E-05	.12E-04	.30E-04	.25E-04	.57E-05	.65E-05	.60E-05	.14E-04
25000.	.16E-04	.91E-05	.13E-04	.17E-04	.29E-04	.14E-04	.81E-05	.82E-05	.14E-04	.56E-05	.11E-04	.29E-04	.24E-04	.55E-05	.62E-05	.58E-05	.13E-04
26000.	.15E-04	.87E-05	.12E-04	.16E-04	.28E-04	.13E-04	.78E-05	.78E-05	.14E-04	.53E-05	.11E-04	.28E-04	.23E-04	.52E-05	.60E-05	.55E-05	.13E-04
27000.	.15E-04	.84E-05	.12E-04	.16E-04	.27E-04	.13E-04	.75E-05	.75E-05	.13E-04	.51E-05	.10E-04	.27E-04	.22E-04	.51E-05	.58E-05	.53E-05	.12E-04
28000.	.14E-04	.81E-05	.11E-04	.15E-04	.26E-04	.12E-04	.72E-05	.73E-05	.13E-04	.50E-05	.10E-04	.26E-04	.21E-04	.49E-05	.55E-05	.51E-05	.12E-04
29000.	.14E-04	.78E-05	.11E-04	.14E-04	.25E-04	.12E-04	.69E-05	.70E-05	.12E-04	.48E-05	.97E-05	.25E-04	.21E-04	.47E-05	.53E-05	.50E-05	.12E-04
30000.	.13E-04	.76E-05	.11E-04	.14E-04	.24E-04	.11E-04	.67E-05	.68E-05	.12E-04	.46E-05	.94E-05	.24E-04	.20E-04	.45E-05	.52E-05	.48E-05	.11E-04
32000.	.12E-04	.71E-05	.10E-04	.13E-04	.22E-04	.11E-04	.63E-05	.64E-05	.11E-04	.43E-05	.88E-05	.22E-04	.19E-04	.43E-05	.48E-05	.45E-05	.10E-04
34000.	.12E-04	.67E-05	.94E-05	.12E-04	.21E-04	.10E-04	.59E-05	.60E-05	.10E-04	.41E-05	.83E-05	.21E-04	.18E-04	.40E-05	.46E-05	.42E-05	.98E-05
36000.	.11E-04	.63E-05	.89E-05	.12E-04	.20E-04	.95E-05	.56E-05	.57E-05	.98E-05	.39E-05	.78E-05	.20E-04	.17E-04	.38E-05	.43E-05	.40E-05	.93E-05
38000.	.10E-04	.60E-05	.84E-05	.11E-04	.19E-04	.90E-05	.53E-05	.54E-05	.93E-05	.37E-05	.74E-05	.19E-04	.16E-04	.36E-05	.41E-05	.38E-05	.88E-05
40000.	.99E-05	.57E-05	.80E-05	.10E-04	.18E-04	.85E-05	.50E-05	.51E-05	.88E-05	.35E-05	.70E-05	.18E-04	.15E-04	.34E-05	.39E-05	.36E-05	.84E-05
42000.	.94E-05	.54E-05	.76E-05	.10E-04	.17E-04	.81E-05	.48E-05	.49E-05	.84E-05	.33E-05	.67E-05	.17E-04	.14E-04	.32E-05	.37E-05	.34E-05	.80E-05
44000.	.90E-05	.52E-05	.73E-05	.95E-05	.16E-04	.78E-05	.46E-05	.46E-05	.80E-05	.32E-05	.64E-05	.16E-04	.14E-04	.31E-05	.35E-05	.33E-05	.76E-05
46000.	.86E-05	.49E-05	.70E-05	.91E-05	.16E-04	.74E-05	.44E-05	.44E-05	.77E-05	.30E-05	.61E-05	.16E-04	.13E-04	.30E-05	.34E-05	.31E-05	.73E-05
48000.	.82E-05	.47E-05	.67E-05	.87E-05	.15E-04	.71E-05	.42E-05	.43E-05	.74E-05	.29E-05	.59E-05	.15E-04	.13E-04	.28E-05	.32E-05	.30E-05	.70E-05
50000.	.93E-05	.45E-05	.64E-05	.84E-05	.14E-04	.68E-05	.40E-05	.41E-05	.84E-05	.28E-05	.57E-05	.14E-04	.12E-04	.27E-05	.31E-05	.29E-05	.69E-05
52000.	.90E-05	.44E-05	.62E-05	.81E-05	.14E-04	.66E-05	.39E-05	.39E-05	.82E-05	.27E-05	.54E-05	.14E-04	.12E-04	.26E-05	.30E-05	.28E-05	.66E-05
54000.	.82E-05	.42E-05	.60E-05	.78E-05	.13E-04	.63E-05	.37E-05	.38E-05	.74E-05	.26E-05	.52E-05	.13E-04	.11E-04	.25E-05	.29E-05	.27E-05	.63E-05
56000.	.77E-05	.40E-05	.57E-05	.75E-05	.13E-04	.61E-05	.36E-05	.36E-05	.69E-05	.25E-05	.51E-05	.13E-04	.11E-04	.24E-05	.28E-05	.26E-05	.61E-05
58000.	.73E-05	.39E-05	.55E-05	.72E-05	.12E-04	.59E-05	.35E-05	.35E-05	.66E-05	.24E-05	.49E-05	.13E-04	.10E-04	.24E-05	.27E-05	.25E-05	.59E-05
60000.	.70E-05	.38E-05	.54E-05	.70E-05	.12E-04	.57E-05	.34E-05	.34E-05	.63E-05	.23E-05	.47E-05	.12E-04	.10E-04	.23E-05	.26E-05	.24E-05	.56E-05
62000.	.68E-05	.36E-05	.52E-05	.68E-05	.12E-04	.55E-05	.33E-05	.33E-05	.61E-05	.22E-05	.46E-05	.12E-04	.97E-05	.22E-05	.25E-05	.23E-05	.55E-05
64000.	.66E-05	.35E-05	.50E-05	.65E-05	.11E-04	.53E-05	.31E-05	.32E-05	.59E-05	.22E-05	.44E-05	.11E-04	.94E-05	.21E-05	.24E-05	.22E-05	.53E-05
66000.	.63E-05	.34E-05	.49E-05	.63E-05	.11E-04	.52E-05	.31E-05	.31E-05	.57E-05	.21E-05	.43E-05	.11E-04	.91E-05	.21E-05	.24E-05	.22E-05	.51E-05
68000.	.62E-05	.33E-05	.47E-05	.62E-05	.11E-04	.50E-05	.30E-05	.30E-05	.55E-05	.20E-05	.41E-05	.11E-04	.88E-05	.20E-05	.23E-05	.21E-05	.50E-05
70000.	.60E-05	.32E-05	.46E-05	.60E-05	.10E-04	.49E-05	.29E-05	.29E-05	.54E-05	.20E-05	.40E-05	.10E-04	.85E-05	.19E-05	.22E-05	.21E-05	.48E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

LAX 6-cell LMDCT, HVAC with East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.26E-04	.40E-07	.18E-05	.25E-05	.73E-05	.29E-05	.13E-05	.59E-07	.26E-04	.48E-07	.20E-05	.99E-05	.10E-04	.12E-05	.76E-06	.25E-07	.58E-05
200.	.30E-04	.46E-05	.43E-05	.55E-05	.10E-04	.51E-05	.30E-05	.42E-05	.34E-04	.29E-05	.40E-05	.12E-04	.12E-04	.21E-05	.23E-05	.31E-05	.86E-05
300.	.10E-03	.38E-05	.50E-05	.66E-05	.13E-04	.63E-05	.39E-05	.42E-05	.12E-03	.26E-05	.57E-05	.22E-04	.22E-04	.29E-05	.32E-05	.28E-05	.21E-04
400.	.19E-03	.18E-05	.28E-05	.37E-05	.66E-05	.30E-05	.18E-05	.16E-05	.21E-03	.11E-05	.25E-05	.25E-04	.14E-03	.13E-05	.46E-05	.12E-05	.38E-04
500.	.26E-03	.17E-05	.18E-05	.23E-05	.40E-05	.19E-05	.11E-05	.17E-05	.27E-03	.12E-05	.15E-05	.70E-04	.48E-03	.76E-06	.12E-04	.11E-05	.70E-04
600.	.29E-03	.49E-05	.15E-05	.19E-05	.33E-05	.17E-05	.10E-05	.43E-05	.29E-03	.30E-05	.19E-05	.42E-04	.26E-03	.77E-06	.67E-05	.32E-05	.57E-04
700.	.30E-03	.99E-05	.44E-05	.72E-05	.17E-04	.67E-05	.40E-05	.83E-05	.28E-03	.56E-05	.56E-05	.41E-04	.18E-03	.25E-05	.64E-05	.62E-05	.55E-04
800.	.28E-03	.19E-04	.57E-05	.76E-05	.13E-04	.61E-05	.36E-05	.16E-04	.26E-03	.11E-04	.49E-05	.28E-04	.13E-03	.25E-05	.55E-05	.12E-04	.50E-04
900.	.27E-03	.28E-04	.11E-04	.15E-04	.26E-04	.12E-04	.72E-05	.23E-04	.24E-03	.16E-04	.10E-04	.39E-04	.11E-03	.52E-05	.80E-05	.17E-04	.52E-04
1000.	.24E-03	.35E-04	.18E-04	.24E-04	.42E-04	.19E-04	.11E-04	.30E-04	.22E-03	.20E-04	.15E-04	.45E-04	.99E-04	.79E-05	.11E-04	.22E-04	.54E-04
1100.	.22E-03	.41E-04	.25E-04	.33E-04	.58E-04	.27E-04	.16E-04	.36E-04	.20E-03	.24E-04	.21E-04	.58E-04	.98E-04	.11E-04	.14E-04	.26E-04	.57E-04
1200.	.20E-03	.44E-04	.32E-04	.42E-04	.72E-04	.33E-04	.20E-04	.39E-04	.18E-03	.26E-04	.27E-04	.69E-04	.98E-04	.14E-04	.17E-04	.28E-04	.59E-04
1300.	.19E-03	.46E-04	.37E-04	.48E-04	.84E-04	.39E-04	.23E-04	.40E-04	.17E-03	.27E-04	.31E-04	.78E-04	.10E-03	.16E-04	.19E-04	.29E-04	.61E-04
1400.	.17E-03	.47E-04	.42E-04	.56E-04	.98E-04	.46E-04	.27E-04	.41E-04	.15E-03	.28E-04	.36E-04	.95E-04	.11E-03	.18E-04	.22E-04	.30E-04	.64E-04
1500.	.16E-03	.47E-04	.43E-04	.57E-04	.98E-04	.45E-04	.27E-04	.41E-04	.14E-03	.28E-04	.35E-04	.85E-04	.96E-04	.18E-04	.22E-04	.30E-04	.60E-04
1600.	.14E-03	.47E-04	.45E-04	.59E-04	.10E-03	.47E-04	.28E-04	.41E-04	.13E-03	.27E-04	.37E-04	.87E-04	.94E-04	.19E-04	.22E-04	.30E-04	.60E-04
1700.	.13E-03	.46E-04	.46E-04	.60E-04	.10E-03	.48E-04	.28E-04	.40E-04	.12E-03	.27E-04	.37E-04	.88E-04	.92E-04	.19E-04	.23E-04	.29E-04	.59E-04
1800.	.12E-03	.45E-04	.46E-04	.61E-04	.10E-03	.48E-04	.28E-04	.39E-04	.11E-03	.26E-04	.38E-04	.88E-04	.90E-04	.20E-04	.23E-04	.28E-04	.57E-04
1900.	.11E-03	.43E-04	.46E-04	.60E-04	.10E-03	.48E-04	.28E-04	.38E-04	.10E-03	.25E-04	.37E-04	.88E-04	.88E-04	.19E-04	.23E-04	.27E-04	.55E-04
2000.	.10E-03	.41E-04	.46E-04	.60E-04	.10E-03	.48E-04	.28E-04	.36E-04	.92E-04	.24E-04	.37E-04	.86E-04	.85E-04	.19E-04	.22E-04	.26E-04	.54E-04
2100.	.96E-04	.40E-04	.45E-04	.58E-04	.10E-03	.47E-04	.27E-04	.35E-04	.86E-04	.23E-04	.36E-04	.85E-04	.82E-04	.19E-04	.22E-04	.25E-04	.52E-04
2200.	.89E-04	.38E-04	.44E-04	.57E-04	.99E-04	.46E-04	.27E-04	.33E-04	.79E-04	.22E-04	.36E-04	.83E-04	.80E-04	.19E-04	.22E-04	.24E-04	.50E-04
2300.	.83E-04	.36E-04	.43E-04	.56E-04	.97E-04	.45E-04	.26E-04	.32E-04	.74E-04	.21E-04	.35E-04	.82E-04	.78E-04	.18E-04	.21E-04	.23E-04	.48E-04
2400.	.78E-04	.35E-04	.41E-04	.54E-04	.93E-04	.43E-04	.25E-04	.30E-04	.69E-04	.21E-04	.34E-04	.78E-04	.74E-04	.17E-04	.20E-04	.22E-04	.46E-04
2500.	.73E-04	.33E-04	.40E-04	.52E-04	.90E-04	.42E-04	.24E-04	.29E-04	.65E-04	.20E-04	.33E-04	.76E-04	.71E-04	.17E-04	.20E-04	.21E-04	.44E-04
2600.	.69E-04	.32E-04	.39E-04	.51E-04	.87E-04	.41E-04	.24E-04	.28E-04	.61E-04	.19E-04	.32E-04	.74E-04	.69E-04	.16E-04	.19E-04	.20E-04	.42E-04
2700.	.65E-04	.30E-04	.37E-04	.49E-04	.84E-04	.39E-04	.23E-04	.27E-04	.57E-04	.18E-04	.30E-04	.71E-04	.66E-04	.16E-04	.18E-04	.19E-04	.41E-04
2800.	.61E-04	.29E-04	.36E-04	.47E-04	.81E-04	.38E-04	.22E-04	.25E-04	.54E-04	.17E-04	.29E-04	.68E-04	.63E-04	.15E-04	.18E-04	.18E-04	.39E-04
2900.	.57E-04	.28E-04	.35E-04	.46E-04	.78E-04	.36E-04	.21E-04	.24E-04	.51E-04	.16E-04	.28E-04	.65E-04	.60E-04	.15E-04	.17E-04	.18E-04	.37E-04
3000.	.54E-04	.27E-04	.34E-04	.44E-04	.75E-04	.35E-04	.20E-04	.23E-04	.48E-04	.16E-04	.27E-04	.62E-04	.57E-04	.14E-04	.16E-04	.17E-04	.36E-04
3100.	.51E-04	.25E-04	.32E-04	.42E-04	.73E-04	.34E-04	.20E-04	.22E-04	.46E-04	.15E-04	.26E-04	.60E-04	.55E-04	.14E-04	.16E-04	.16E-04	.34E-04
3200.	.49E-04	.24E-04	.31E-04	.41E-04	.70E-04	.33E-04	.19E-04	.21E-04	.43E-04	.15E-04	.25E-04	.58E-04	.53E-04	.13E-04	.15E-04	.15E-04	.33E-04
3300.	.46E-04	.23E-04	.30E-04	.39E-04	.68E-04	.31E-04	.18E-04	.21E-04	.41E-04	.14E-04	.24E-04	.56E-04	.51E-04	.13E-04	.15E-04	.15E-04	.32E-04
3400.	.44E-04	.22E-04	.29E-04	.38E-04	.65E-04	.30E-04	.18E-04	.20E-04	.39E-04	.13E-04	.23E-04	.54E-04	.49E-04	.12E-04	.14E-04	.14E-04	.30E-04
3500.	.42E-04	.21E-04	.28E-04	.37E-04	.63E-04	.29E-04	.17E-04	.19E-04	.37E-04	.13E-04	.23E-04	.52E-04	.47E-04	.12E-04	.14E-04	.14E-04	.29E-04
3600.	.40E-04	.21E-04	.27E-04	.35E-04	.61E-04	.28E-04	.16E-04	.18E-04	.35E-04	.12E-04	.22E-04	.50E-04	.45E-04	.11E-04	.13E-04	.13E-04	.28E-04
3700.	.38E-04	.20E-04	.26E-04	.34E-04	.58E-04	.27E-04	.16E-04	.17E-04	.34E-04	.12E-04	.21E-04	.48E-04	.44E-04	.11E-04	.13E-04	.13E-04	.27E-04
3800.	.37E-04	.19E-04	.25E-04	.33E-04	.56E-04	.26E-04	.15E-04	.17E-04	.32E-04	.11E-04	.20E-04	.47E-04	.42E-04	.11E-04	.12E-04	.12E-04	.26E-04
3900.	.35E-04	.18E-04	.24E-04	.32E-04	.55E-04	.25E-04	.15E-04	.16E-04	.31E-04	.11E-04	.20E-04	.45E-04	.41E-04	.10E-04	.12E-04	.12E-04	.25E-04
4000.	.34E-04	.18E-04	.24E-04	.31E-04	.53E-04	.25E-04	.14E-04	.16E-04	.30E-04	.11E-04	.19E-04	.43E-04	.39E-04	.99E-05	.11E-04	.11E-04	.24E-04
4100.	.32E-04	.17E-04	.23E-04	.30E-04	.51E-04	.24E-04	.14E-04	.15E-04	.28E-04	.10E-04	.18E-04	.42E-04	.38E-04	.95E-05	.11E-04	.11E-04	.23E-04
4200.	.31E-04	.16E-04	.22E-04	.29E-04	.49E-04	.23E-04	.13E-04	.14E-04	.27E-04	.98E-05	.18E-04	.41E-04	.37E-04	.92E-05	.11E-04	.10E-04	.23E-04
4300.	.30E-04	.16E-04	.21E-04	.28E-04	.48E-04	.22E-04	.13E-04	.14E-04	.26E-04	.94E-05	.17E-04	.39E-04	.35E-04	.89E-05	.10E-04	.10E-04	.22E-04
4400.	.28E-04	.15E-04	.21E-04	.27E-04	.46E-04	.22E-04	.12E-04	.13E-04	.25E-04	.91E-05	.17E-04	.38E-04	.34E-04	.86E-05	.10E-04	.97E-05	.21E-04
4500.	.27E-04	.15E-04	.20E-04	.26E-04	.45E-04	.21E-04	.12E-04	.13E-04	.24E-04	.88E-05	.16E-04	.37E-04	.33E-04	.84E-05	.97E-05	.94E-05	.20E-04
4600.	.26E-04	.14E-04	.19E-04	.25E-04	.43E-04	.20E-04	.12E-04	.13E-04	.23E-04	.85E-05	.16E-04	.36E-04	.32E-04	.81E-05	.94E-05	.90E-05	.20E-04
4700.	.25E-04	.14E-04	.19E-04	.24E-04	.42E-04	.20E-04	.11E-04	.12E-04	.22E-04	.82E-05	.15E-04	.35E-04	.31E-04	.79E-05	.91E-05	.87E-05	.19E-04
4800.	.25E-04	.13E-04	.18E-04	.24E-04	.41E-04	.19E-04	.11E-04	.12E-04	.22E-04	.79E-05	.15E-04	.34E-04	.30E-04	.76E-05	.88E-05	.85E-05	.18E-04
4900.	.24E-04	.13E-04	.18E-04	.23E-04	.39E-04	.18E-04	.11E-04	.11E-04	.21E-04	.77E-05	.14E-04	.33E-04	.29E-04	.74E-05	.86E-05	.82E-05	.18E-04
5000.	.23E-04	.12E-04	.17E-04	.22E-04	.38E-04	.18E-04	.10E-04	.11E-04	.20E-04	.74E-05	.14E-04	.32E-04	.28E-04	.72E-05	.83E-05	.79E-05	.17E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

LAX 6-cell LMDCT, HVAC with East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.19E-04	.11E-04	.15E-04	.19E-04	.33E-04	.15E-04	.89E-05	.94E-05	.17E-04	.64E-05	.12E-04	.27E-04	.24E-04	.62E-05	.72E-05	.68E-05	.15E-04
6000.	.17E-04	.93E-05	.13E-04	.17E-04	.29E-04	.13E-04	.78E-05	.82E-05	.15E-04	.55E-05	.10E-04	.24E-04	.21E-04	.54E-05	.63E-05	.59E-05	.13E-04
6500.	.14E-04	.81E-05	.11E-04	.15E-04	.25E-04	.12E-04	.68E-05	.71E-05	.13E-04	.48E-05	.91E-05	.21E-04	.19E-04	.47E-05	.55E-05	.52E-05	.11E-04
7000.	.14E-04	.72E-05	.10E-04	.13E-04	.22E-04	.10E-04	.61E-05	.63E-05	.13E-04	.43E-05	.81E-05	.19E-04	.16E-04	.42E-05	.49E-05	.46E-05	.10E-04
7500.	.12E-04	.64E-05	.90E-05	.12E-04	.20E-04	.93E-05	.54E-05	.56E-05	.10E-04	.38E-05	.72E-05	.17E-04	.15E-04	.38E-05	.43E-05	.41E-05	.90E-05
8000.	.10E-04	.57E-05	.80E-05	.11E-04	.18E-04	.84E-05	.49E-05	.51E-05	.90E-05	.34E-05	.65E-05	.15E-04	.13E-04	.34E-05	.39E-05	.36E-05	.81E-05
8500.	.91E-05	.52E-05	.73E-05	.95E-05	.16E-04	.76E-05	.44E-05	.46E-05	.80E-05	.31E-05	.59E-05	.14E-04	.12E-04	.31E-05	.35E-05	.33E-05	.73E-05
9000.	.82E-05	.47E-05	.66E-05	.86E-05	.15E-04	.69E-05	.40E-05	.42E-05	.73E-05	.28E-05	.54E-05	.13E-04	.11E-04	.28E-05	.32E-05	.30E-05	.67E-05
9500.	.75E-05	.43E-05	.61E-05	.79E-05	.14E-04	.64E-05	.37E-05	.38E-05	.66E-05	.26E-05	.50E-05	.12E-04	.10E-04	.25E-05	.29E-05	.27E-05	.61E-05
10000.	.68E-05	.39E-05	.56E-05	.73E-05	.12E-04	.59E-05	.34E-05	.35E-05	.60E-05	.24E-05	.47E-05	.11E-04	.97E-05	.23E-05	.27E-05	.25E-05	.56E-05
11000.	.62E-05	.36E-05	.50E-05	.66E-05	.11E-04	.53E-05	.31E-05	.32E-05	.55E-05	.22E-05	.43E-05	.11E-04	.91E-05	.21E-05	.24E-05	.23E-05	.52E-05
12000.	.57E-05	.33E-05	.46E-05	.61E-05	.10E-04	.49E-05	.29E-05	.29E-05	.51E-05	.20E-05	.41E-05	.10E-04	.87E-05	.20E-05	.22E-05	.21E-05	.48E-05
13000.	.53E-05	.30E-05	.43E-05	.56E-05	.96E-05	.45E-05	.27E-05	.27E-05	.47E-05	.19E-05	.37E-05	.95E-05	.80E-05	.18E-05	.21E-05	.19E-05	.45E-05
14000.	.49E-05	.28E-05	.40E-05	.52E-05	.89E-05	.42E-05	.25E-05	.25E-05	.44E-05	.17E-05	.35E-05	.88E-05	.74E-05	.17E-05	.19E-05	.18E-05	.41E-05
15000.	.46E-05	.26E-05	.37E-05	.48E-05	.83E-05	.39E-05	.23E-05	.24E-05	.41E-05	.16E-05	.32E-05	.83E-05	.69E-05	.16E-05	.18E-05	.17E-05	.39E-05
16000.	.47E-05	.25E-05	.35E-05	.45E-05	.78E-05	.37E-05	.22E-05	.22E-05	.43E-05	.15E-05	.30E-05	.77E-05	.65E-05	.15E-05	.17E-05	.16E-05	.37E-05
17000.	.41E-05	.23E-05	.33E-05	.43E-05	.73E-05	.35E-05	.20E-05	.21E-05	.37E-05	.14E-05	.29E-05	.73E-05	.61E-05	.14E-05	.16E-05	.15E-05	.34E-05
18000.	.39E-05	.22E-05	.31E-05	.40E-05	.69E-05	.33E-05	.19E-05	.20E-05	.35E-05	.13E-05	.27E-05	.69E-05	.58E-05	.13E-05	.15E-05	.14E-05	.32E-05
19000.	.36E-05	.21E-05	.29E-05	.38E-05	.66E-05	.31E-05	.18E-05	.19E-05	.33E-05	.13E-05	.26E-05	.65E-05	.55E-05	.12E-05	.14E-05	.13E-05	.31E-05
20000.	.35E-05	.20E-05	.28E-05	.36E-05	.62E-05	.30E-05	.17E-05	.18E-05	.31E-05	.12E-05	.24E-05	.62E-05	.52E-05	.12E-05	.13E-05	.12E-05	.29E-05
21000.	.33E-05	.19E-05	.27E-05	.35E-05	.59E-05	.28E-05	.17E-05	.17E-05	.29E-05	.11E-05	.23E-05	.59E-05	.50E-05	.11E-05	.13E-05	.12E-05	.28E-05
22000.	.31E-05	.18E-05	.25E-05	.33E-05	.57E-05	.27E-05	.16E-05	.16E-05	.28E-05	.11E-05	.22E-05	.56E-05	.47E-05	.11E-05	.12E-05	.11E-05	.26E-05
23000.	.30E-05	.17E-05	.24E-05	.32E-05	.54E-05	.26E-05	.15E-05	.15E-05	.27E-05	.10E-05	.21E-05	.54E-05	.45E-05	.10E-05	.12E-05	.11E-05	.25E-05
24000.	.29E-05	.16E-05	.23E-05	.30E-05	.52E-05	.25E-05	.15E-05	.15E-05	.26E-05	.10E-05	.20E-05	.52E-05	.43E-05	.98E-06	.11E-05	.10E-05	.24E-05
25000.	.27E-05	.16E-05	.22E-05	.29E-05	.50E-05	.24E-05	.14E-05	.14E-05	.25E-05	.96E-06	.19E-05	.50E-05	.42E-05	.94E-06	.11E-05	.10E-05	.23E-05
26000.	.26E-05	.15E-05	.21E-05	.28E-05	.48E-05	.23E-05	.13E-05	.14E-05	.24E-05	.92E-06	.19E-05	.48E-05	.40E-05	.91E-06	.10E-05	.96E-06	.22E-05
27000.	.25E-05	.15E-05	.21E-05	.27E-05	.46E-05	.22E-05	.13E-05	.13E-05	.23E-05	.89E-06	.18E-05	.46E-05	.38E-05	.87E-06	.10E-05	.93E-06	.21E-05
28000.	.25E-05	.14E-05	.20E-05	.26E-05	.44E-05	.21E-05	.12E-05	.13E-05	.22E-05	.86E-06	.17E-05	.44E-05	.37E-05	.84E-06	.96E-06	.89E-06	.21E-05
29000.	.24E-05	.14E-05	.19E-05	.25E-05	.43E-05	.20E-05	.12E-05	.12E-05	.21E-05	.83E-06	.17E-05	.43E-05	.36E-05	.81E-06	.93E-06	.86E-06	.20E-05
30000.	.23E-05	.13E-05	.19E-05	.24E-05	.41E-05	.20E-05	.12E-05	.12E-05	.20E-05	.80E-06	.16E-05	.41E-05	.35E-05	.79E-06	.90E-06	.83E-06	.19E-05
32000.	.21E-05	.12E-05	.17E-05	.23E-05	.39E-05	.18E-05	.11E-05	.11E-05	.19E-05	.75E-06	.15E-05	.39E-05	.32E-05	.74E-06	.84E-06	.78E-06	.18E-05
34000.	.20E-05	.12E-05	.16E-05	.21E-05	.37E-05	.17E-05	.10E-05	.10E-05	.18E-05	.71E-06	.14E-05	.36E-05	.30E-05	.69E-06	.79E-06	.73E-06	.17E-05
36000.	.19E-05	.11E-05	.15E-05	.20E-05	.35E-05	.16E-05	.97E-06	.98E-06	.17E-05	.67E-06	.13E-05	.34E-05	.29E-05	.65E-06	.75E-06	.69E-06	.16E-05
38000.	.18E-05	.10E-05	.15E-05	.19E-05	.33E-05	.16E-05	.92E-06	.93E-06	.16E-05	.63E-06	.13E-05	.32E-05	.27E-05	.62E-06	.71E-06	.66E-06	.15E-05
40000.	.17E-05	.98E-06	.14E-05	.18E-05	.31E-05	.15E-05	.87E-06	.88E-06	.15E-05	.60E-06	.12E-05	.31E-05	.26E-05	.59E-06	.67E-06	.63E-06	.14E-05
42000.	.16E-05	.94E-06	.13E-05	.17E-05	.30E-05	.14E-05	.83E-06	.84E-06	.15E-05	.57E-06	.12E-05	.29E-05	.25E-05	.56E-06	.64E-06	.60E-06	.14E-05
44000.	.16E-05	.89E-06	.13E-05	.16E-05	.28E-05	.13E-05	.79E-06	.80E-06	.14E-05	.55E-06	.11E-05	.28E-05	.24E-05	.54E-06	.61E-06	.57E-06	.13E-05
46000.	.15E-05	.85E-06	.12E-05	.16E-05	.27E-05	.13E-05	.76E-06	.77E-06	.13E-05	.52E-06	.11E-05	.27E-05	.22E-05	.51E-06	.58E-06	.54E-06	.13E-05
48000.	.14E-05	.82E-06	.12E-05	.15E-05	.26E-05	.12E-05	.73E-06	.74E-06	.13E-05	.50E-06	.10E-05	.26E-05	.22E-05	.49E-06	.56E-06	.52E-06	.12E-05
50000.	.15E-05	.79E-06	.11E-05	.15E-05	.25E-05	.12E-05	.70E-06	.71E-06	.13E-05	.48E-06	.97E-06	.25E-05	.21E-05	.47E-06	.54E-06	.50E-06	.12E-05
52000.	.15E-05	.76E-06	.11E-05	.14E-05	.24E-05	.11E-05	.67E-06	.68E-06	.14E-05	.46E-06	.94E-06	.24E-05	.20E-05	.45E-06	.52E-06	.48E-06	.11E-05
54000.	.14E-05	.73E-06	.10E-05	.13E-05	.23E-05	.11E-05	.65E-06	.65E-06	.13E-05	.45E-06	.90E-06	.23E-05	.19E-05	.44E-06	.50E-06	.46E-06	.11E-05
56000.	.13E-05	.70E-06	.99E-06	.13E-05	.22E-05	.11E-05	.62E-06	.63E-06	.12E-05	.43E-06	.87E-06	.22E-05	.19E-05	.42E-06	.48E-06	.45E-06	.10E-05
58000.	.13E-05	.68E-06	.96E-06	.13E-05	.21E-05	.10E-05	.60E-06	.61E-06	.11E-05	.41E-06	.84E-06	.21E-05	.18E-05	.41E-06	.46E-06	.43E-06	.10E-05
60000.	.12E-05	.65E-06	.93E-06	.12E-05	.21E-05	.98E-06	.58E-06	.59E-06	.11E-05	.40E-06	.81E-06	.21E-05	.17E-05	.39E-06	.45E-06	.42E-06	.97E-06
62000.	.12E-05	.63E-06	.90E-06	.12E-05	.20E-05	.95E-06	.56E-06	.57E-06	.10E-05	.39E-06	.79E-06	.20E-05	.17E-05	.38E-06	.43E-06	.40E-06	.94E-06
64000.	.11E-05	.61E-06	.87E-06	.11E-05	.19E-05	.92E-06	.54E-06	.55E-06	.10E-05	.38E-06	.76E-06	.19E-05	.16E-05	.37E-06	.42E-06	.39E-06	.91E-06
66000.	.11E-05	.59E-06	.84E-06	.11E-05	.19E-05	.89E-06	.53E-06	.53E-06	.98E-06	.36E-06	.74E-06	.19E-05	.16E-05	.36E-06	.41E-06	.38E-06	.88E-06
68000.	.11E-05	.58E-06	.82E-06	.11E-05	.18E-05	.87E-06	.51E-06	.52E-06	.95E-06	.35E-06	.72E-06	.18E-05	.15E-05	.35E-06	.40E-06	.37E-06	.86E-06
70000.	.10E-05	.56E-06	.80E-06	.10E-05	.18E-05	.84E-06	.50E-06	.50E-06	.92E-06	.34E-06	.69E-06	.18E-05	.15E-05	.34E-06	.38E-06	.36E-06	.83E-06

A.4. CHICAGO SITE

(BASELINE AND CONTROLLED)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Chicago, Illinois 6-cell LMDCT, Baseline with North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.14E-03	.19E-06	.98E-04	.12E-03	.19E-03	.11E-03	.15E-03	.29E-06	.42E-03	.10E-05	.20E-03	.17E-03	.22E-03	.13E-03	.10E-03	.14E-06	.13E-03
200.	.15E-04	.45E-06	.40E-04	.47E-04	.74E-04	.42E-04	.61E-04	.81E-06	.55E-04	.18E-05	.83E-04	.77E-04	.94E-04	.56E-04	.40E-04	.61E-06	.43E-04
300.	.45E-04	.12E-04	.55E-04	.62E-04	.10E-03	.56E-04	.84E-04	.17E-04	.15E-03	.55E-04	.13E-03	.13E-03	.15E-03	.93E-04	.51E-04	.91E-05	.76E-04
400.	.29E-04	.71E-05	.51E-03	.19E-03	.31E-03	.18E-03	.49E-03	.12E-04	.88E-04	.37E-04	.95E-03	.18E-02	.13E-02	.71E-03	.28E-03	.79E-05	.43E-03
500.	.50E-04	.32E-04	.44E-03	.35E-03	.54E-03	.31E-03	.54E-03	.28E-04	.16E-03	.70E-04	.83E-03	.12E-02	.11E-02	.60E-03	.38E-03	.24E-04	.41E-03
600.	.12E-04	.63E-05	.43E-03	.42E-03	.65E-03	.36E-03	.57E-03	.80E-05	.40E-04	.25E-04	.85E-03	.97E-03	.10E-02	.57E-03	.38E-03	.52E-05	.39E-03
700.	.75E-04	.17E-04	.50E-03	.52E-03	.78E-03	.42E-03	.64E-03	.15E-04	.25E-03	.46E-04	.95E-03	.99E-03	.11E-02	.63E-03	.47E-03	.11E-04	.46E-03
800.	.28E-04	.16E-04	.39E-03	.41E-03	.64E-03	.37E-03	.56E-03	.17E-04	.84E-04	.52E-04	.77E-03	.80E-03	.92E-03	.53E-03	.39E-03	.17E-04	.37E-03
900.	.31E-04	.14E-04	.35E-03	.38E-03	.60E-03	.34E-03	.51E-03	.23E-04	.12E-03	.74E-04	.70E-03	.71E-03	.82E-03	.47E-03	.36E-03	.14E-04	.34E-03
1000.	.38E-04	.19E-04	.32E-03	.35E-03	.56E-03	.32E-03	.47E-03	.31E-04	.16E-03	.10E-03	.64E-03	.63E-03	.74E-03	.43E-03	.32E-03	.16E-04	.32E-03
1100.	.62E-04	.32E-04	.29E-03	.33E-03	.51E-03	.29E-03	.43E-03	.45E-04	.26E-03	.15E-03	.58E-03	.57E-03	.68E-03	.39E-03	.30E-03	.23E-04	.31E-03
1200.	.81E-04	.41E-04	.26E-03	.29E-03	.46E-03	.26E-03	.39E-03	.57E-04	.31E-03	.18E-03	.52E-03	.51E-03	.60E-03	.35E-03	.26E-03	.34E-04	.29E-03
1300.	.79E-04	.39E-04	.24E-03	.26E-03	.42E-03	.24E-03	.35E-03	.59E-04	.32E-03	.19E-03	.47E-03	.46E-03	.54E-03	.31E-03	.24E-03	.33E-04	.27E-03
1400.	.99E-04	.57E-04	.22E-03	.24E-03	.38E-03	.22E-03	.32E-03	.79E-04	.40E-03	.24E-03	.43E-03	.41E-03	.50E-03	.29E-03	.22E-03	.45E-04	.26E-03
1500.	.89E-04	.45E-04	.20E-03	.22E-03	.35E-03	.20E-03	.29E-03	.68E-04	.36E-03	.22E-03	.39E-03	.38E-03	.45E-03	.26E-03	.20E-03	.41E-04	.24E-03
1600.	.85E-04	.42E-04	.18E-03	.20E-03	.32E-03	.18E-03	.26E-03	.67E-04	.36E-03	.22E-03	.36E-03	.34E-03	.41E-03	.24E-03	.18E-03	.36E-04	.22E-03
1700.	.83E-04	.39E-04	.17E-03	.19E-03	.30E-03	.17E-03	.25E-03	.64E-04	.36E-03	.21E-03	.33E-03	.31E-03	.38E-03	.22E-03	.17E-03	.33E-04	.20E-03
1800.	.85E-04	.41E-04	.16E-03	.18E-03	.28E-03	.16E-03	.23E-03	.65E-04	.36E-03	.21E-03	.31E-03	.30E-03	.36E-03	.21E-03	.16E-03	.35E-04	.20E-03
1900.	.81E-04	.39E-04	.14E-03	.16E-03	.26E-03	.15E-03	.21E-03	.63E-04	.35E-03	.21E-03	.29E-03	.27E-03	.32E-03	.19E-03	.15E-03	.33E-04	.18E-03
2000.	.80E-04	.38E-04	.13E-03	.15E-03	.23E-03	.13E-03	.19E-03	.62E-04	.34E-03	.20E-03	.26E-03	.24E-03	.29E-03	.17E-03	.13E-03	.33E-04	.17E-03
2100.	.79E-04	.38E-04	.12E-03	.14E-03	.21E-03	.12E-03	.18E-03	.61E-04	.33E-03	.20E-03	.24E-03	.23E-03	.27E-03	.16E-03	.12E-03	.33E-04	.16E-03
2200.	.77E-04	.37E-04	.11E-03	.13E-03	.20E-03	.11E-03	.17E-03	.59E-04	.32E-03	.19E-03	.22E-03	.21E-03	.25E-03	.15E-03	.11E-03	.33E-04	.15E-03
2300.	.73E-04	.35E-04	.10E-03	.12E-03	.18E-03	.11E-03	.15E-03	.57E-04	.31E-03	.19E-03	.21E-03	.20E-03	.24E-03	.14E-03	.11E-03	.31E-04	.14E-03
2400.	.71E-04	.34E-04	.99E-04	.11E-03	.17E-03	.10E-03	.15E-03	.55E-04	.30E-03	.18E-03	.20E-03	.19E-03	.23E-03	.13E-03	.10E-03	.29E-04	.13E-03
2500.	.69E-04	.34E-04	.91E-04	.10E-03	.16E-03	.94E-04	.14E-03	.54E-04	.29E-03	.18E-03	.18E-03	.17E-03	.21E-03	.12E-03	.94E-04	.28E-04	.13E-03
2600.	.67E-04	.34E-04	.84E-04	.96E-04	.15E-03	.88E-04	.13E-03	.53E-04	.29E-03	.17E-03	.17E-03	.16E-03	.19E-03	.11E-03	.86E-04	.27E-04	.12E-03
2700.	.64E-04	.32E-04	.79E-04	.90E-04	.14E-03	.83E-04	.12E-03	.51E-04	.27E-03	.16E-03	.16E-03	.15E-03	.18E-03	.11E-03	.81E-04	.27E-04	.11E-03
2800.	.61E-04	.30E-04	.75E-04	.85E-04	.13E-03	.78E-04	.11E-03	.48E-04	.26E-03	.16E-03	.15E-03	.14E-03	.17E-03	.99E-04	.76E-04	.25E-04	.11E-03
2900.	.59E-04	.29E-04	.70E-04	.80E-04	.13E-03	.73E-04	.11E-03	.46E-04	.25E-03	.15E-03	.14E-03	.13E-03	.16E-03	.93E-04	.72E-04	.24E-04	.10E-03
3000.	.57E-04	.27E-04	.66E-04	.76E-04	.12E-03	.69E-04	.10E-03	.44E-04	.24E-03	.14E-03	.13E-03	.13E-03	.15E-03	.88E-04	.68E-04	.23E-04	.96E-04
3100.	.55E-04	.26E-04	.63E-04	.72E-04	.11E-03	.66E-04	.95E-04	.42E-04	.23E-03	.14E-03	.13E-03	.12E-03	.14E-03	.83E-04	.64E-04	.22E-04	.91E-04
3200.	.54E-04	.25E-04	.60E-04	.68E-04	.11E-03	.62E-04	.90E-04	.40E-04	.22E-03	.13E-03	.12E-03	.11E-03	.14E-03	.79E-04	.61E-04	.22E-04	.87E-04
3300.	.52E-04	.24E-04	.57E-04	.65E-04	.10E-03	.59E-04	.85E-04	.39E-04	.22E-03	.13E-03	.11E-03	.11E-03	.13E-03	.75E-04	.58E-04	.21E-04	.83E-04
3400.	.50E-04	.23E-04	.54E-04	.62E-04	.98E-04	.57E-04	.81E-04	.38E-04	.21E-03	.12E-03	.11E-03	.10E-03	.12E-03	.72E-04	.56E-04	.21E-04	.80E-04
3500.	.47E-04	.22E-04	.52E-04	.59E-04	.93E-04	.54E-04	.78E-04	.36E-04	.20E-03	.12E-03	.10E-03	.98E-04	.12E-03	.69E-04	.53E-04	.20E-04	.76E-04
3600.	.45E-04	.21E-04	.50E-04	.57E-04	.89E-04	.51E-04	.74E-04	.35E-04	.19E-03	.11E-03	.99E-04	.93E-04	.11E-03	.66E-04	.51E-04	.19E-04	.73E-04
3700.	.43E-04	.20E-04	.48E-04	.54E-04	.85E-04	.49E-04	.71E-04	.33E-04	.18E-03	.11E-03	.95E-04	.89E-04	.11E-03	.63E-04	.49E-04	.18E-04	.70E-04
3800.	.41E-04	.19E-04	.46E-04	.52E-04	.82E-04	.47E-04	.68E-04	.32E-04	.17E-03	.10E-03	.91E-04	.85E-04	.10E-03	.60E-04	.47E-04	.17E-04	.67E-04
3900.	.39E-04	.18E-04	.44E-04	.50E-04	.78E-04	.45E-04	.65E-04	.30E-04	.17E-03	.99E-04	.87E-04	.82E-04	.99E-04	.58E-04	.45E-04	.16E-04	.64E-04
4000.	.38E-04	.18E-04	.42E-04	.48E-04	.75E-04	.43E-04	.62E-04	.29E-04	.16E-03	.96E-04	.84E-04	.78E-04	.95E-04	.55E-04	.43E-04	.15E-04	.62E-04
4100.	.36E-04	.17E-04	.41E-04	.46E-04	.72E-04	.42E-04	.60E-04	.28E-04	.16E-03	.92E-04	.81E-04	.75E-04	.92E-04	.53E-04	.41E-04	.15E-04	.59E-04
4200.	.35E-04	.17E-04	.39E-04	.45E-04	.70E-04	.40E-04	.58E-04	.27E-04	.15E-03	.89E-04	.78E-04	.73E-04	.88E-04	.51E-04	.40E-04	.14E-04	.57E-04
4300.	.34E-04	.16E-04	.38E-04	.43E-04	.67E-04	.38E-04	.56E-04	.27E-04	.15E-03	.86E-04	.75E-04	.70E-04	.85E-04	.49E-04	.39E-04	.14E-04	.55E-04
4400.	.33E-04	.16E-04	.36E-04	.41E-04	.64E-04	.37E-04	.53E-04	.26E-04	.14E-03	.84E-04	.72E-04	.67E-04	.82E-04	.48E-04	.37E-04	.13E-04	.53E-04
4500.	.32E-04	.15E-04	.35E-04	.40E-04	.62E-04	.36E-04	.51E-04	.25E-04	.14E-03	.81E-04	.69E-04	.65E-04	.79E-04	.46E-04	.36E-04	.13E-04	.51E-04
4600.	.31E-04	.15E-04	.34E-04	.38E-04	.60E-04	.34E-04	.49E-04	.24E-04	.13E-03	.79E-04	.66E-04	.62E-04	.76E-04	.44E-04	.34E-04	.13E-04	.50E-04
4700.	.30E-04	.14E-04	.32E-04	.37E-04	.57E-04	.33E-04	.48E-04	.24E-04	.13E-03	.76E-04	.64E-04	.60E-04	.73E-04	.42E-04	.33E-04	.12E-04	.48E-04
4800.	.29E-04	.14E-04	.31E-04	.35E-04	.55E-04	.32E-04	.46E-04	.23E-04	.13E-03	.74E-04	.62E-04	.58E-04	.71E-04	.41E-04	.32E-04	.12E-04	.46E-04
4900.	.28E-04	.14E-04	.30E-04	.34E-04	.53E-04	.31E-04	.44E-04	.22E-04	.12E-03	.72E-04	.59E-04	.56E-04	.68E-04	.39E-04	.31E-04	.12E-04	.45E-04
5000.	.28E-04	.13E-04	.29E-04	.33E-04	.51E-04	.29E-04	.43E-04	.22E-04	.12E-03	.70E-04	.57E-04	.54E-04	.65E-04	.38E-04	.29E-04	.11E-04	.43E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Chicago, Illinois 6-cell LMDCT, Baseline with North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.24E-04	.12E-04	.24E-04	.28E-04	.43E-04	.25E-04	.36E-04	.19E-04	.10E-03	.61E-04	.48E-04	.45E-04	.55E-04	.32E-04	.25E-04	.97E-05	.37E-04
6000.	.21E-04	.10E-04	.21E-04	.24E-04	.37E-04	.21E-04	.31E-04	.16E-04	.89E-04	.52E-04	.41E-04	.39E-04	.47E-04	.27E-04	.21E-04	.84E-05	.31E-04
6500.	.18E-04	.87E-05	.18E-04	.20E-04	.32E-04	.18E-04	.27E-04	.14E-04	.77E-04	.46E-04	.35E-04	.33E-04	.40E-04	.23E-04	.18E-04	.74E-05	.27E-04
7000.	.16E-04	.76E-05	.16E-04	.18E-04	.28E-04	.16E-04	.23E-04	.12E-04	.68E-04	.40E-04	.31E-04	.29E-04	.35E-04	.21E-04	.16E-04	.65E-05	.24E-04
7500.	.14E-04	.68E-05	.14E-04	.16E-04	.25E-04	.14E-04	.21E-04	.11E-04	.61E-04	.36E-04	.27E-04	.26E-04	.31E-04	.18E-04	.14E-04	.59E-05	.21E-04
8000.	.13E-04	.62E-05	.12E-04	.14E-04	.22E-04	.13E-04	.18E-04	.10E-04	.55E-04	.32E-04	.25E-04	.23E-04	.28E-04	.16E-04	.13E-04	.54E-05	.19E-04
8500.	.12E-04	.55E-05	.11E-04	.13E-04	.20E-04	.11E-04	.17E-04	.90E-05	.50E-04	.29E-04	.22E-04	.21E-04	.25E-04	.15E-04	.11E-04	.48E-05	.17E-04
9000.	.11E-04	.50E-05	.10E-04	.11E-04	.18E-04	.10E-04	.15E-04	.81E-05	.45E-04	.26E-04	.20E-04	.19E-04	.23E-04	.13E-04	.10E-04	.43E-05	.16E-04
9500.	.95E-05	.45E-05	.91E-05	.10E-04	.16E-04	.94E-05	.14E-04	.73E-05	.40E-04	.24E-04	.18E-04	.17E-04	.21E-04	.12E-04	.93E-05	.39E-05	.14E-04
10000.	.87E-05	.41E-05	.83E-05	.94E-05	.15E-04	.86E-05	.12E-04	.67E-05	.37E-04	.22E-04	.17E-04	.16E-04	.19E-04	.11E-04	.85E-05	.35E-05	.13E-04
11000.	.77E-05	.37E-05	.75E-05	.85E-05	.13E-04	.78E-05	.11E-04	.60E-05	.33E-04	.20E-04	.15E-04	.14E-04	.17E-04	.99E-05	.76E-05	.32E-05	.12E-04
12000.	.71E-05	.33E-05	.68E-05	.78E-05	.12E-04	.71E-05	.10E-04	.55E-05	.30E-04	.18E-04	.14E-04	.13E-04	.16E-04	.90E-05	.70E-05	.29E-05	.11E-04
13000.	.66E-05	.31E-05	.63E-05	.72E-05	.11E-04	.66E-05	.94E-05	.51E-05	.28E-04	.17E-04	.13E-04	.12E-04	.14E-04	.83E-05	.64E-05	.26E-05	.98E-05
14000.	.61E-05	.29E-05	.59E-05	.67E-05	.11E-04	.61E-05	.88E-05	.47E-05	.26E-04	.15E-04	.12E-04	.11E-04	.13E-04	.78E-05	.61E-05	.25E-05	.91E-05
15000.	.57E-05	.27E-05	.55E-05	.62E-05	.98E-05	.57E-05	.82E-05	.44E-05	.24E-04	.14E-04	.11E-04	.10E-04	.12E-04	.72E-05	.56E-05	.23E-05	.85E-05
16000.	.54E-05	.26E-05	.51E-05	.58E-05	.92E-05	.53E-05	.77E-05	.42E-05	.23E-04	.14E-04	.10E-04	.96E-05	.12E-04	.68E-05	.52E-05	.22E-05	.80E-05
17000.	.51E-05	.24E-05	.48E-05	.55E-05	.87E-05	.50E-05	.72E-05	.39E-05	.22E-04	.13E-04	.96E-05	.90E-05	.11E-04	.64E-05	.49E-05	.21E-05	.75E-05
18000.	.48E-05	.23E-05	.45E-05	.52E-05	.82E-05	.47E-05	.68E-05	.37E-05	.21E-04	.12E-04	.91E-05	.85E-05	.10E-04	.60E-05	.46E-05	.19E-05	.71E-05
19000.	.45E-05	.22E-05	.43E-05	.49E-05	.78E-05	.45E-05	.65E-05	.35E-05	.19E-04	.11E-04	.86E-05	.81E-05	.99E-05	.57E-05	.44E-05	.18E-05	.67E-05
20000.	.43E-05	.21E-05	.41E-05	.47E-05	.74E-05	.43E-05	.61E-05	.34E-05	.18E-04	.11E-04	.82E-05	.77E-05	.93E-05	.54E-05	.42E-05	.18E-05	.64E-05
21000.	.41E-05	.20E-05	.39E-05	.44E-05	.70E-05	.41E-05	.58E-05	.32E-05	.18E-04	.10E-04	.78E-05	.73E-05	.89E-05	.52E-05	.40E-05	.17E-05	.61E-05
22000.	.39E-05	.19E-05	.37E-05	.42E-05	.67E-05	.39E-05	.56E-05	.30E-05	.17E-04	.99E-05	.74E-05	.70E-05	.85E-05	.49E-05	.38E-05	.16E-05	.58E-05
23000.	.37E-05	.18E-05	.36E-05	.41E-05	.64E-05	.37E-05	.53E-05	.29E-05	.16E-04	.94E-05	.71E-05	.67E-05	.81E-05	.47E-05	.36E-05	.15E-05	.55E-05
24000.	.36E-05	.17E-05	.34E-05	.39E-05	.61E-05	.35E-05	.51E-05	.28E-05	.15E-04	.90E-05	.68E-05	.64E-05	.78E-05	.45E-05	.35E-05	.15E-05	.53E-05
25000.	.34E-05	.16E-05	.33E-05	.37E-05	.59E-05	.34E-05	.49E-05	.27E-05	.15E-04	.86E-05	.66E-05	.61E-05	.75E-05	.43E-05	.34E-05	.14E-05	.51E-05
26000.	.33E-05	.16E-05	.32E-05	.36E-05	.57E-05	.33E-05	.47E-05	.26E-05	.14E-04	.83E-05	.63E-05	.59E-05	.72E-05	.42E-05	.32E-05	.13E-05	.49E-05
27000.	.32E-05	.15E-05	.30E-05	.35E-05	.55E-05	.32E-05	.45E-05	.25E-05	.14E-04	.80E-05	.61E-05	.57E-05	.69E-05	.40E-05	.31E-05	.13E-05	.47E-05
28000.	.30E-05	.14E-05	.29E-05	.34E-05	.53E-05	.30E-05	.44E-05	.24E-05	.13E-04	.77E-05	.59E-05	.55E-05	.67E-05	.39E-05	.30E-05	.12E-05	.45E-05
29000.	.29E-05	.14E-05	.28E-05	.32E-05	.51E-05	.29E-05	.42E-05	.23E-05	.13E-04	.74E-05	.57E-05	.53E-05	.65E-05	.37E-05	.29E-05	.12E-05	.44E-05
30000.	.28E-05	.13E-05	.27E-05	.31E-05	.49E-05	.28E-05	.41E-05	.22E-05	.12E-04	.71E-05	.55E-05	.51E-05	.62E-05	.36E-05	.28E-05	.12E-05	.42E-05
32000.	.27E-05	.12E-05	.26E-05	.29E-05	.46E-05	.27E-05	.38E-05	.21E-05	.11E-04	.67E-05	.51E-05	.48E-05	.58E-05	.34E-05	.26E-05	.11E-05	.40E-05
34000.	.25E-05	.12E-05	.24E-05	.28E-05	.44E-05	.25E-05	.36E-05	.19E-05	.11E-04	.63E-05	.48E-05	.45E-05	.55E-05	.32E-05	.25E-05	.10E-05	.37E-05
36000.	.24E-05	.11E-05	.23E-05	.26E-05	.41E-05	.24E-05	.34E-05	.18E-05	.10E-04	.59E-05	.46E-05	.43E-05	.52E-05	.30E-05	.23E-05	.96E-06	.35E-05
38000.	.22E-05	.11E-05	.22E-05	.25E-05	.39E-05	.22E-05	.32E-05	.17E-05	.96E-05	.56E-05	.43E-05	.40E-05	.49E-05	.28E-05	.22E-05	.91E-06	.33E-05
40000.	.21E-05	.10E-05	.20E-05	.24E-05	.37E-05	.21E-05	.31E-05	.16E-05	.91E-05	.54E-05	.41E-05	.38E-05	.47E-05	.27E-05	.21E-05	.87E-06	.32E-05
42000.	.20E-05	.95E-06	.19E-05	.22E-05	.35E-05	.20E-05	.29E-05	.16E-05	.86E-05	.51E-05	.39E-05	.36E-05	.44E-05	.26E-05	.20E-05	.83E-06	.30E-05
44000.	.19E-05	.91E-06	.19E-05	.21E-05	.34E-05	.19E-05	.28E-05	.15E-05	.82E-05	.49E-05	.37E-05	.35E-05	.42E-05	.24E-05	.19E-05	.79E-06	.29E-05
46000.	.18E-05	.87E-06	.18E-05	.20E-05	.32E-05	.19E-05	.27E-05	.14E-05	.79E-05	.47E-05	.36E-05	.33E-05	.40E-05	.23E-05	.18E-05	.75E-06	.28E-05
48000.	.18E-05	.83E-06	.17E-05	.20E-05	.31E-05	.18E-05	.25E-05	.14E-05	.75E-05	.45E-05	.34E-05	.32E-05	.39E-05	.22E-05	.17E-05	.72E-06	.26E-05
50000.	.17E-05	.80E-06	.16E-05	.19E-05	.30E-05	.17E-05	.24E-05	.13E-05	.72E-05	.43E-05	.33E-05	.30E-05	.37E-05	.22E-05	.17E-05	.69E-06	.25E-05
52000.	.16E-05	.77E-06	.16E-05	.18E-05	.28E-05	.16E-05	.23E-05	.13E-05	.70E-05	.41E-05	.31E-05	.29E-05	.36E-05	.21E-05	.16E-05	.67E-06	.24E-05
54000.	.16E-05	.74E-06	.15E-05	.17E-05	.27E-05	.16E-05	.23E-05	.12E-05	.67E-05	.40E-05	.30E-05	.28E-05	.34E-05	.20E-05	.15E-05	.64E-06	.23E-05
56000.	.15E-05	.72E-06	.14E-05	.17E-05	.26E-05	.15E-05	.22E-05	.12E-05	.65E-05	.38E-05	.29E-05	.27E-05	.33E-05	.19E-05	.15E-05	.62E-06	.23E-05
58000.	.15E-05	.69E-06	.14E-05	.16E-05	.25E-05	.15E-05	.21E-05	.11E-05	.63E-05	.37E-05	.28E-05	.26E-05	.32E-05	.19E-05	.14E-05	.60E-06	.22E-05
60000.	.14E-05	.67E-06	.13E-05	.16E-05	.24E-05	.14E-05	.20E-05	.11E-05	.61E-05	.36E-05	.27E-05	.25E-05	.31E-05	.18E-05	.14E-05	.58E-06	.21E-05
62000.	.14E-05	.65E-06	.13E-05	.15E-05	.24E-05	.14E-05	.20E-05	.11E-05	.59E-05	.35E-05	.26E-05	.24E-05	.30E-05	.17E-05	.13E-05	.56E-06	.20E-05
64000.	.13E-05	.63E-06	.13E-05	.15E-05	.23E-05	.13E-05	.19E-05	.10E-05	.57E-05	.34E-05	.25E-05	.24E-05	.29E-05	.17E-05	.13E-05	.55E-06	.20E-05
66000.	.13E-05	.61E-06	.12E-05	.14E-05	.22E-05	.13E-05	.18E-05	.10E-05	.56E-05	.33E-05	.25E-05	.23E-05	.28E-05	.16E-05	.13E-05	.53E-06	.19E-05
68000.	.13E-05	.59E-06	.12E-05	.14E-05	.22E-05	.12E-05	.18E-05	.97E-06	.55E-05	.32E-05	.24E-05	.22E-05	.27E-05	.16E-05	.12E-05	.52E-06	.19E-05
70000.	.12E-05	.60E-06	.11E-05	.13E-05	.21E-05	.12E-05	.17E-05	.97E-06	.53E-05	.31E-05	.23E-05	.22E-05	.26E-05	.15E-05	.12E-05	.56E-06	.18E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Chicago, Illinois 6-cell LMDCT, HVAC with North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.12E-09	.35E-08	.40E-05	.50E-05	.80E-05	.46E-05	.64E-05	.56E-08	.54E-09	.19E-07	.86E-05	.74E-05	.95E-05	.57E-05	.42E-05	.27E-08	.40E-05
200.	.39E-06	.99E-08	.30E-05	.38E-05	.61E-05	.34E-05	.48E-05	.19E-07	.14E-05	.40E-07	.67E-05	.58E-05	.74E-05	.45E-05	.31E-05	.14E-07	.31E-05
300.	.18E-05	.66E-06	.65E-05	.90E-05	.15E-04	.81E-05	.11E-04	.10E-05	.69E-05	.33E-05	.18E-04	.14E-04	.18E-04	.12E-04	.67E-05	.55E-06	.83E-05
400.	.12E-05	.43E-06	.89E-04	.32E-04	.52E-04	.29E-04	.84E-04	.71E-06	.44E-05	.23E-05	.16E-03	.31E-03	.23E-03	.12E-03	.48E-04	.42E-06	.74E-04
500.	.26E-05	.18E-05	.72E-04	.56E-04	.89E-04	.51E-04	.89E-04	.17E-05	.84E-05	.42E-05	.14E-03	.20E-03	.18E-03	.99E-04	.59E-04	.13E-05	.65E-04
600.	.75E-06	.39E-06	.71E-04	.68E-04	.11E-03	.61E-04	.96E-04	.53E-06	.27E-05	.17E-05	.14E-03	.16E-03	.17E-03	.96E-04	.63E-04	.32E-06	.65E-04
700.	.55E-05	.14E-05	.77E-04	.80E-04	.12E-03	.68E-04	.10E-03	.14E-05	.19E-04	.42E-05	.15E-03	.16E-03	.17E-03	.10E-03	.72E-04	.89E-06	.71E-04
800.	.30E-05	.17E-05	.65E-04	.69E-04	.11E-03	.63E-04	.94E-04	.22E-05	.10E-04	.67E-05	.13E-03	.14E-03	.15E-03	.88E-04	.64E-04	.17E-05	.62E-04
900.	.44E-05	.21E-05	.60E-04	.64E-04	.10E-03	.59E-04	.87E-04	.35E-05	.18E-04	.11E-04	.12E-03	.12E-03	.14E-03	.80E-04	.59E-04	.20E-05	.58E-04
1000.	.62E-05	.32E-05	.54E-04	.60E-04	.95E-04	.54E-04	.80E-04	.52E-05	.27E-04	.17E-04	.11E-03	.11E-03	.13E-03	.73E-04	.54E-04	.27E-05	.55E-04
1100.	.92E-05	.47E-05	.50E-04	.55E-04	.87E-04	.50E-04	.73E-04	.72E-05	.39E-04	.24E-04	.99E-04	.97E-04	.11E-03	.66E-04	.50E-04	.37E-05	.52E-04
1200.	.12E-04	.58E-05	.45E-04	.50E-04	.79E-04	.45E-04	.66E-04	.89E-05	.47E-04	.29E-04	.90E-04	.87E-04	.10E-03	.59E-04	.45E-04	.49E-05	.48E-04
1300.	.12E-04	.61E-05	.40E-04	.45E-04	.72E-04	.41E-04	.60E-04	.97E-05	.52E-04	.31E-04	.81E-04	.78E-04	.93E-04	.54E-04	.41E-04	.52E-05	.45E-04
1400.	.14E-04	.76E-05	.37E-04	.41E-04	.65E-04	.38E-04	.55E-04	.12E-04	.60E-04	.37E-04	.74E-04	.71E-04	.85E-04	.49E-04	.37E-04	.62E-05	.43E-04
1500.	.14E-04	.70E-05	.34E-04	.38E-04	.60E-04	.35E-04	.50E-04	.11E-04	.59E-04	.36E-04	.67E-04	.65E-04	.77E-04	.45E-04	.34E-04	.61E-05	.40E-04
1600.	.14E-04	.69E-05	.30E-04	.34E-04	.55E-04	.32E-04	.46E-04	.11E-04	.60E-04	.36E-04	.61E-04	.59E-04	.70E-04	.41E-04	.31E-04	.59E-05	.37E-04
1700.	.14E-04	.67E-05	.28E-04	.32E-04	.51E-04	.29E-04	.42E-04	.11E-04	.60E-04	.36E-04	.57E-04	.54E-04	.65E-04	.38E-04	.29E-04	.57E-05	.35E-04
1800.	.14E-04	.69E-05	.26E-04	.30E-04	.47E-04	.27E-04	.39E-04	.11E-04	.60E-04	.36E-04	.53E-04	.50E-04	.60E-04	.35E-04	.27E-04	.59E-05	.33E-04
1900.	.14E-04	.66E-05	.24E-04	.28E-04	.43E-04	.25E-04	.36E-04	.11E-04	.59E-04	.35E-04	.48E-04	.46E-04	.55E-04	.32E-04	.25E-04	.57E-05	.31E-04
2000.	.14E-04	.65E-05	.22E-04	.25E-04	.40E-04	.23E-04	.33E-04	.11E-04	.58E-04	.35E-04	.44E-04	.42E-04	.51E-04	.29E-04	.22E-04	.56E-05	.29E-04
2100.	.13E-04	.64E-05	.20E-04	.23E-04	.37E-04	.21E-04	.31E-04	.10E-04	.57E-04	.34E-04	.41E-04	.39E-04	.47E-04	.27E-04	.21E-04	.56E-05	.27E-04
2200.	.13E-04	.62E-05	.19E-04	.22E-04	.34E-04	.20E-04	.29E-04	.10E-04	.55E-04	.33E-04	.38E-04	.36E-04	.44E-04	.25E-04	.19E-04	.55E-05	.26E-04
2300.	.13E-04	.59E-05	.18E-04	.20E-04	.32E-04	.18E-04	.27E-04	.98E-05	.53E-04	.32E-04	.36E-04	.34E-04	.41E-04	.24E-04	.18E-04	.52E-05	.24E-04
2400.	.12E-04	.57E-05	.17E-04	.19E-04	.30E-04	.17E-04	.25E-04	.95E-05	.52E-04	.31E-04	.33E-04	.32E-04	.38E-04	.22E-04	.17E-04	.49E-05	.23E-04
2500.	.12E-04	.56E-05	.16E-04	.18E-04	.28E-04	.16E-04	.23E-04	.92E-05	.50E-04	.30E-04	.31E-04	.30E-04	.36E-04	.21E-04	.16E-04	.48E-05	.22E-04
2600.	.11E-04	.55E-05	.15E-04	.17E-04	.26E-04	.15E-04	.22E-04	.89E-05	.48E-04	.29E-04	.29E-04	.28E-04	.33E-04	.19E-04	.15E-04	.46E-05	.20E-04
2700.	.11E-04	.53E-05	.14E-04	.16E-04	.25E-04	.14E-04	.21E-04	.86E-05	.46E-04	.28E-04	.27E-04	.26E-04	.31E-04	.18E-04	.14E-04	.44E-05	.19E-04
2800.	.10E-04	.50E-05	.13E-04	.15E-04	.23E-04	.13E-04	.19E-04	.82E-05	.44E-04	.27E-04	.26E-04	.24E-04	.29E-04	.17E-04	.13E-04	.43E-05	.18E-04
2900.	.10E-04	.48E-05	.12E-04	.14E-04	.22E-04	.13E-04	.18E-04	.78E-05	.43E-04	.25E-04	.24E-04	.23E-04	.28E-04	.16E-04	.12E-04	.41E-05	.17E-04
3000.	.96E-05	.45E-05	.11E-04	.13E-04	.21E-04	.12E-04	.17E-04	.75E-05	.41E-04	.24E-04	.23E-04	.22E-04	.26E-04	.15E-04	.12E-04	.39E-05	.16E-04
3100.	.92E-05	.44E-05	.11E-04	.12E-04	.20E-04	.11E-04	.16E-04	.72E-05	.39E-04	.23E-04	.22E-04	.21E-04	.25E-04	.14E-04	.11E-04	.37E-05	.16E-04
3200.	.89E-05	.42E-05	.10E-04	.12E-04	.19E-04	.11E-04	.16E-04	.69E-05	.38E-04	.22E-04	.21E-04	.20E-04	.24E-04	.14E-04	.11E-04	.36E-05	.15E-04
3300.	.86E-05	.41E-05	.98E-05	.11E-04	.18E-04	.10E-04	.15E-04	.67E-05	.37E-04	.22E-04	.20E-04	.19E-04	.22E-04	.13E-04	.10E-04	.35E-05	.14E-04
3400.	.83E-05	.39E-05	.93E-05	.11E-04	.17E-04	.98E-05	.14E-04	.64E-05	.35E-04	.21E-04	.19E-04	.18E-04	.21E-04	.12E-04	.95E-05	.34E-05	.14E-04
3500.	.79E-05	.37E-05	.89E-05	.10E-04	.16E-04	.93E-05	.13E-04	.62E-05	.34E-04	.20E-04	.18E-04	.17E-04	.20E-04	.12E-04	.91E-05	.33E-05	.13E-04
3600.	.76E-05	.36E-05	.85E-05	.97E-05	.15E-04	.89E-05	.13E-04	.59E-05	.32E-04	.19E-04	.17E-04	.16E-04	.19E-04	.11E-04	.86E-05	.31E-05	.12E-04
3700.	.73E-05	.34E-05	.81E-05	.93E-05	.15E-04	.85E-05	.12E-04	.57E-05	.31E-04	.19E-04	.16E-04	.15E-04	.19E-04	.11E-04	.83E-05	.30E-05	.12E-04
3800.	.70E-05	.33E-05	.78E-05	.89E-05	.14E-04	.81E-05	.12E-04	.55E-05	.30E-04	.18E-04	.16E-04	.15E-04	.18E-04	.10E-04	.79E-05	.29E-05	.11E-04
3900.	.67E-05	.32E-05	.74E-05	.85E-05	.13E-04	.77E-05	.11E-04	.53E-05	.29E-04	.17E-04	.15E-04	.14E-04	.17E-04	.98E-05	.76E-05	.27E-05	.11E-04
4000.	.65E-05	.31E-05	.71E-05	.82E-05	.13E-04	.74E-05	.11E-04	.51E-05	.28E-04	.17E-04	.14E-04	.13E-04	.16E-04	.94E-05	.73E-05	.26E-05	.11E-04
4100.	.63E-05	.30E-05	.69E-05	.78E-05	.12E-04	.71E-05	.10E-04	.49E-05	.27E-04	.16E-04	.14E-04	.13E-04	.16E-04	.91E-05	.70E-05	.26E-05	.10E-04
4200.	.61E-05	.29E-05	.66E-05	.75E-05	.12E-04	.68E-05	.99E-05	.47E-05	.26E-04	.15E-04	.13E-04	.12E-04	.15E-04	.87E-05	.67E-05	.25E-05	.98E-05
4300.	.59E-05	.28E-05	.63E-05	.72E-05	.11E-04	.66E-05	.95E-05	.46E-05	.25E-04	.15E-04	.13E-04	.12E-04	.14E-04	.84E-05	.65E-05	.24E-05	.94E-05
4400.	.57E-05	.27E-05	.61E-05	.70E-05	.11E-04	.63E-05	.91E-05	.44E-05	.24E-04	.14E-04	.12E-04	.11E-04	.14E-04	.80E-05	.62E-05	.23E-05	.91E-05
4500.	.55E-05	.26E-05	.59E-05	.67E-05	.11E-04	.61E-05	.88E-05	.43E-05	.24E-04	.14E-04	.12E-04	.11E-04	.13E-04	.77E-05	.60E-05	.22E-05	.87E-05
4600.	.53E-05	.25E-05	.56E-05	.64E-05	.10E-04	.58E-05	.84E-05	.42E-05	.23E-04	.14E-04	.11E-04	.11E-04	.13E-04	.74E-05	.58E-05	.22E-05	.84E-05
4700.	.51E-05	.24E-05	.54E-05	.62E-05	.98E-05	.56E-05	.81E-05	.40E-05	.22E-04	.13E-04	.11E-04	.10E-04	.12E-04	.72E-05	.55E-05	.21E-05	.81E-05
4800.	.50E-05	.24E-05	.52E-05	.60E-05	.94E-05	.54E-05	.78E-05	.39E-05	.21E-04	.13E-04	.10E-04	.98E-05	.12E-04	.69E-05	.53E-05	.20E-05	.79E-05
4900.	.48E-05	.23E-05	.50E-05	.58E-05	.91E-05	.52E-05	.75E-05	.38E-05	.21E-04	.12E-04	.10E-04	.95E-05	.12E-04	.67E-05	.51E-05	.20E-05	.76E-05
5000.	.47E-05	.22E-05	.49E-05	.56E-05	.88E-05	.51E-05	.73E-05	.37E-05	.20E-04	.12E-04	.97E-05	.91E-05	.11E-04	.64E-05	.50E-05	.19E-05	.73E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Chicago, Illinois 6-cell LMDCT, HVAC with North-South(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.41E-05	.19E-05	.41E-05	.47E-05	.74E-05	.43E-05	.61E-05	.32E-05	.17E-04	.10E-04	.82E-05	.77E-05	.93E-05	.54E-05	.42E-05	.16E-05	.62E-05
6000.	.35E-05	.17E-05	.35E-05	.40E-05	.63E-05	.37E-05	.53E-05	.28E-05	.15E-04	.89E-05	.70E-05	.66E-05	.80E-05	.46E-05	.36E-05	.14E-05	.54E-05
6500.	.31E-05	.15E-05	.30E-05	.35E-05	.55E-05	.32E-05	.46E-05	.24E-05	.13E-04	.78E-05	.61E-05	.57E-05	.69E-05	.40E-05	.31E-05	.13E-05	.47E-05
7000.	.27E-05	.13E-05	.27E-05	.30E-05	.48E-05	.28E-05	.40E-05	.21E-05	.12E-04	.69E-05	.53E-05	.50E-05	.61E-05	.35E-05	.27E-05	.11E-05	.41E-05
7500.	.25E-05	.12E-05	.24E-05	.27E-05	.43E-05	.25E-05	.35E-05	.19E-05	.10E-04	.62E-05	.47E-05	.44E-05	.54E-05	.31E-05	.24E-05	.10E-05	.37E-05
8000.	.22E-05	.10E-05	.21E-05	.24E-05	.38E-05	.22E-05	.32E-05	.17E-05	.94E-05	.55E-05	.42E-05	.40E-05	.48E-05	.28E-05	.21E-05	.91E-06	.33E-05
8500.	.20E-05	.94E-06	.19E-05	.22E-05	.34E-05	.20E-05	.28E-05	.15E-05	.85E-05	.50E-05	.38E-05	.36E-05	.43E-05	.25E-05	.19E-05	.81E-06	.29E-05
9000.	.18E-05	.84E-06	.17E-05	.20E-05	.31E-05	.18E-05	.26E-05	.14E-05	.77E-05	.45E-05	.34E-05	.32E-05	.39E-05	.23E-05	.17E-05	.73E-06	.27E-05
9500.	.16E-05	.77E-06	.16E-05	.18E-05	.28E-05	.16E-05	.23E-05	.13E-05	.70E-05	.41E-05	.31E-05	.29E-05	.35E-05	.21E-05	.16E-05	.66E-06	.24E-05
10000.	.15E-05	.70E-06	.14E-05	.16E-05	.26E-05	.15E-05	.21E-05	.12E-05	.64E-05	.38E-05	.28E-05	.27E-05	.32E-05	.19E-05	.14E-05	.60E-06	.22E-05
11000.	.13E-05	.63E-06	.13E-05	.15E-05	.23E-05	.13E-05	.19E-05	.10E-05	.57E-05	.34E-05	.26E-05	.24E-05	.29E-05	.17E-05	.13E-05	.54E-06	.20E-05
12000.	.12E-05	.57E-06	.12E-05	.13E-05	.21E-05	.12E-05	.18E-05	.95E-06	.52E-05	.31E-05	.24E-05	.22E-05	.27E-05	.16E-05	.12E-05	.49E-06	.18E-05
13000.	.11E-05	.53E-06	.11E-05	.12E-05	.20E-05	.11E-05	.16E-05	.88E-06	.48E-05	.29E-05	.22E-05	.20E-05	.25E-05	.14E-05	.11E-05	.46E-06	.17E-05
14000.	.10E-05	.49E-06	.10E-05	.12E-05	.18E-05	.11E-05	.15E-05	.82E-06	.45E-05	.27E-05	.20E-05	.19E-05	.23E-05	.13E-05	.10E-05	.42E-06	.16E-05
15000.	.98E-06	.46E-06	.94E-06	.11E-05	.17E-05	.98E-06	.14E-05	.76E-06	.42E-05	.25E-05	.19E-05	.18E-05	.21E-05	.12E-05	.96E-06	.40E-06	.15E-05
16000.	.92E-06	.43E-06	.88E-06	.10E-05	.16E-05	.92E-06	.13E-05	.72E-06	.39E-05	.23E-05	.18E-05	.17E-05	.20E-05	.12E-05	.90E-06	.37E-06	.14E-05
17000.	.87E-06	.41E-06	.83E-06	.95E-06	.15E-05	.87E-06	.12E-05	.67E-06	.37E-05	.22E-05	.17E-05	.16E-05	.19E-05	.11E-05	.84E-06	.35E-06	.13E-05
18000.	.82E-06	.39E-06	.78E-06	.89E-06	.14E-05	.82E-06	.12E-05	.64E-06	.35E-05	.21E-05	.16E-05	.15E-05	.18E-05	.10E-05	.80E-06	.33E-06	.12E-05
19000.	.78E-06	.37E-06	.74E-06	.85E-06	.13E-05	.78E-06	.11E-05	.60E-06	.33E-05	.20E-05	.15E-05	.14E-05	.17E-05	.98E-06	.76E-06	.31E-06	.12E-05
20000.	.74E-06	.35E-06	.70E-06	.80E-06	.13E-05	.74E-06	.11E-05	.57E-06	.32E-05	.19E-05	.14E-05	.13E-05	.16E-05	.93E-06	.72E-06	.30E-06	.11E-05
21000.	.70E-06	.33E-06	.67E-06	.77E-06	.12E-05	.70E-06	.10E-05	.55E-06	.30E-05	.18E-05	.13E-05	.13E-05	.15E-05	.89E-06	.68E-06	.28E-06	.10E-05
22000.	.67E-06	.32E-06	.64E-06	.73E-06	.12E-05	.67E-06	.96E-06	.52E-06	.29E-05	.17E-05	.13E-05	.12E-05	.15E-05	.85E-06	.65E-06	.27E-06	.10E-05
23000.	.64E-06	.30E-06	.61E-06	.70E-06	.11E-05	.64E-06	.92E-06	.50E-06	.27E-05	.16E-05	.12E-05	.11E-05	.14E-05	.81E-06	.62E-06	.26E-06	.95E-06
24000.	.61E-06	.29E-06	.58E-06	.67E-06	.11E-05	.61E-06	.88E-06	.48E-06	.26E-05	.16E-05	.12E-05	.11E-05	.13E-05	.78E-06	.60E-06	.25E-06	.91E-06
25000.	.59E-06	.28E-06	.56E-06	.64E-06	.10E-05	.59E-06	.85E-06	.46E-06	.25E-05	.15E-05	.11E-05	.11E-05	.13E-05	.75E-06	.57E-06	.24E-06	.88E-06
26000.	.56E-06	.27E-06	.54E-06	.62E-06	.98E-06	.57E-06	.81E-06	.44E-06	.24E-05	.14E-05	.11E-05	.10E-05	.12E-05	.72E-06	.55E-06	.23E-06	.84E-06
27000.	.54E-06	.26E-06	.52E-06	.60E-06	.94E-06	.55E-06	.78E-06	.42E-06	.23E-05	.14E-05	.10E-05	.98E-06	.12E-05	.69E-06	.53E-06	.22E-06	.81E-06
28000.	.52E-06	.25E-06	.50E-06	.57E-06	.91E-06	.53E-06	.76E-06	.41E-06	.22E-05	.13E-05	.10E-05	.94E-06	.11E-05	.67E-06	.51E-06	.21E-06	.78E-06
29000.	.51E-06	.24E-06	.48E-06	.56E-06	.88E-06	.51E-06	.73E-06	.39E-06	.22E-05	.13E-05	.97E-06	.91E-06	.11E-05	.64E-06	.49E-06	.21E-06	.75E-06
30000.	.49E-06	.23E-06	.47E-06	.54E-06	.85E-06	.49E-06	.71E-06	.38E-06	.21E-05	.12E-05	.94E-06	.88E-06	.11E-05	.62E-06	.48E-06	.20E-06	.73E-06
32000.	.46E-06	.21E-06	.44E-06	.50E-06	.79E-06	.46E-06	.66E-06	.36E-06	.20E-05	.12E-05	.88E-06	.83E-06	.10E-05	.58E-06	.45E-06	.19E-06	.68E-06
34000.	.43E-06	.20E-06	.41E-06	.47E-06	.75E-06	.43E-06	.62E-06	.34E-06	.18E-05	.11E-05	.83E-06	.78E-06	.94E-06	.55E-06	.42E-06	.17E-06	.64E-06
36000.	.41E-06	.19E-06	.39E-06	.45E-06	.71E-06	.41E-06	.59E-06	.32E-06	.17E-05	.10E-05	.78E-06	.73E-06	.89E-06	.52E-06	.40E-06	.17E-06	.61E-06
38000.	.39E-06	.18E-06	.37E-06	.42E-06	.67E-06	.39E-06	.56E-06	.30E-06	.17E-05	.98E-06	.74E-06	.69E-06	.84E-06	.49E-06	.38E-06	.16E-06	.58E-06
40000.	.37E-06	.17E-06	.35E-06	.40E-06	.64E-06	.37E-06	.53E-06	.28E-06	.16E-05	.93E-06	.70E-06	.66E-06	.80E-06	.46E-06	.36E-06	.15E-06	.55E-06
42000.	.35E-06	.16E-06	.33E-06	.38E-06	.61E-06	.35E-06	.50E-06	.27E-06	.15E-05	.88E-06	.67E-06	.63E-06	.76E-06	.44E-06	.34E-06	.14E-06	.52E-06
44000.	.33E-06	.16E-06	.32E-06	.37E-06	.58E-06	.33E-06	.48E-06	.26E-06	.14E-05	.84E-06	.64E-06	.60E-06	.73E-06	.42E-06	.32E-06	.14E-06	.50E-06
46000.	.32E-06	.15E-06	.30E-06	.35E-06	.55E-06	.32E-06	.46E-06	.25E-06	.14E-05	.81E-06	.61E-06	.57E-06	.70E-06	.40E-06	.31E-06	.13E-06	.47E-06
48000.	.30E-06	.14E-06	.29E-06	.34E-06	.53E-06	.31E-06	.44E-06	.24E-06	.13E-05	.77E-06	.59E-06	.55E-06	.67E-06	.39E-06	.30E-06	.12E-06	.45E-06
50000.	.29E-06	.14E-06	.28E-06	.32E-06	.51E-06	.29E-06	.42E-06	.23E-06	.13E-05	.74E-06	.56E-06	.53E-06	.64E-06	.37E-06	.29E-06	.12E-06	.44E-06
52000.	.28E-06	.13E-06	.27E-06	.31E-06	.49E-06	.28E-06	.41E-06	.22E-06	.12E-05	.71E-06	.54E-06	.51E-06	.62E-06	.36E-06	.27E-06	.11E-06	.42E-06
54000.	.27E-06	.13E-06	.26E-06	.30E-06	.47E-06	.27E-06	.39E-06	.21E-06	.12E-05	.69E-06	.52E-06	.49E-06	.59E-06	.34E-06	.26E-06	.11E-06	.40E-06
56000.	.26E-06	.12E-06	.25E-06	.29E-06	.45E-06	.26E-06	.38E-06	.20E-06	.11E-05	.66E-06	.50E-06	.47E-06	.57E-06	.33E-06	.26E-06	.11E-06	.39E-06
58000.	.25E-06	.12E-06	.24E-06	.28E-06	.44E-06	.25E-06	.36E-06	.20E-06	.11E-05	.64E-06	.49E-06	.45E-06	.55E-06	.32E-06	.25E-06	.10E-06	.38E-06
60000.	.24E-06	.11E-06	.23E-06	.27E-06	.42E-06	.25E-06	.35E-06	.19E-06	.10E-05	.62E-06	.47E-06	.44E-06	.53E-06	.31E-06	.24E-06	.99E-07	.36E-06
62000.	.24E-06	.11E-06	.23E-06	.26E-06	.41E-06	.24E-06	.34E-06	.18E-06	.10E-05	.60E-06	.45E-06	.42E-06	.52E-06	.30E-06	.23E-06	.96E-07	.35E-06
64000.	.23E-06	.11E-06	.22E-06	.25E-06	.40E-06	.23E-06	.33E-06	.18E-06	.98E-06	.58E-06	.44E-06	.41E-06	.50E-06	.29E-06	.22E-06	.93E-07	.34E-06
66000.	.23E-06	.10E-06	.21E-06	.24E-06	.38E-06	.22E-06	.32E-06	.17E-06	.96E-06	.56E-06	.43E-06	.40E-06	.48E-06	.28E-06	.22E-06	.90E-07	.33E-06
68000.	.22E-06	.10E-06	.21E-06	.24E-06	.37E-06	.22E-06	.31E-06	.17E-06	.95E-06	.55E-06	.41E-06	.39E-06	.47E-06	.27E-06	.21E-06	.88E-07	.32E-06
70000.	.21E-06	.10E-06	.20E-06	.23E-06	.36E-06	.21E-06	.30E-06	.17E-06	.91E-06	.54E-06	.40E-06	.37E-06	.46E-06	.26E-06	.20E-06	.91E-07	.31E-06

A.5. OAKLAND SITE

(BASELINE AND CONTROLLED)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Oakland, CA Site -- Baseline with 6-cell East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N / PLUME HEADED S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	AVG / AVG
100.	.10E-02	.11E-04	.42E-04	.39E-04	.55E-04	.56E-04	.14E-03	.62E-05	.16E-03	.83E-05	.45E-03	.83E-03	.18E-02	.11E-02	.89E-03	.14E-04	.42E-03
200.	.46E-03	.78E-04	.38E-04	.34E-04	.61E-04	.64E-04	.47E-04	.23E-04	.82E-04	.31E-04	.40E-04	.78E-04	.18E-03	.12E-03	.99E-04	.13E-03	.98E-04
300.	.22E-02	.12E-03	.30E-04	.26E-04	.44E-04	.51E-04	.60E-04	.15E-03	.38E-03	.16E-03	.69E-04	.14E-03	.46E-03	.24E-03	.15E-03	.34E-03	.29E-03
400.	.54E-02	.23E-04	.18E-04	.16E-04	.26E-04	.30E-04	.43E-04	.70E-05	.23E-02	.92E-05	.25E-04	.44E-04	.14E-03	.74E-04	.51E-04	.39E-04	.51E-03
500.	.52E-02	.17E-04	.14E-04	.13E-04	.27E-04	.56E-04	.13E-03	.50E-05	.14E-02	.64E-05	.63E-04	.64E-04	.19E-03	.89E-04	.64E-04	.28E-04	.46E-03
600.	.51E-02	.37E-04	.80E-05	.72E-05	.12E-04	.20E-04	.62E-04	.25E-04	.12E-02	.31E-04	.41E-04	.56E-04	.19E-03	.90E-04	.55E-04	.91E-04	.44E-03
700.	.47E-02	.62E-04	.82E-05	.73E-05	.12E-04	.15E-04	.34E-04	.19E-04	.93E-03	.23E-04	.16E-04	.19E-04	.73E-04	.34E-04	.24E-04	.11E-03	.38E-03
800.	.42E-02	.11E-03	.15E-04	.14E-04	.23E-04	.27E-04	.34E-04	.31E-04	.80E-03	.41E-04	.20E-04	.31E-04	.93E-04	.53E-04	.41E-04	.19E-03	.36E-03
900.	.38E-02	.16E-03	.28E-04	.25E-04	.42E-04	.47E-04	.46E-04	.46E-04	.70E-03	.61E-04	.33E-04	.64E-04	.19E-03	.11E-03	.78E-04	.28E-03	.36E-03
1000.	.34E-02	.21E-03	.44E-04	.39E-04	.67E-04	.71E-04	.56E-04	.61E-04	.60E-03	.79E-04	.43E-04	.82E-04	.20E-03	.14E-03	.11E-03	.36E-03	.35E-03
1100.	.30E-02	.25E-03	.61E-04	.54E-04	.92E-04	.97E-04	.71E-04	.83E-04	.54E-03	.11E-03	.57E-04	.11E-03	.27E-03	.18E-03	.15E-03	.45E-03	.35E-03
1200.	.27E-02	.27E-03	.77E-04	.68E-04	.12E-03	.12E-03	.87E-04	.92E-04	.47E-03	.11E-03	.73E-04	.15E-03	.38E-03	.25E-03	.20E-03	.48E-03	.35E-03
1300.	.24E-02	.29E-03	.90E-04	.80E-04	.14E-03	.14E-03	.99E-04	.83E-04	.42E-03	.11E-03	.83E-04	.17E-03	.40E-03	.27E-03	.22E-03	.49E-03	.35E-03
1400.	.22E-02	.29E-03	.11E-03	.95E-04	.17E-03	.19E-03	.14E-03	.92E-04	.39E-03	.11E-03	.13E-03	.26E-03	.62E-03	.40E-03	.30E-03	.51E-03	.38E-03
1500.	.20E-02	.30E-03	.11E-03	.96E-04	.16E-03	.17E-03	.12E-03	.87E-04	.34E-03	.11E-03	.99E-04	.20E-03	.47E-03	.33E-03	.27E-03	.51E-03	.34E-03
1600.	.18E-02	.29E-03	.11E-03	.10E-03	.17E-03	.18E-03	.12E-03	.86E-04	.31E-03	.11E-03	.10E-03	.21E-03	.49E-03	.34E-03	.28E-03	.51E-03	.33E-03
1700.	.17E-02	.29E-03	.12E-03	.10E-03	.18E-03	.18E-03	.12E-03	.89E-04	.28E-03	.11E-03	.10E-03	.21E-03	.50E-03	.35E-03	.29E-03	.50E-03	.32E-03
1800.	.15E-02	.29E-03	.12E-03	.10E-03	.18E-03	.19E-03	.12E-03	.94E-04	.26E-03	.12E-03	.11E-03	.22E-03	.52E-03	.35E-03	.29E-03	.50E-03	.31E-03
1900.	.14E-02	.27E-03	.12E-03	.10E-03	.18E-03	.19E-03	.12E-03	.82E-04	.24E-03	.11E-03	.11E-03	.22E-03	.53E-03	.36E-03	.29E-03	.47E-03	.30E-03
2000.	.13E-02	.26E-03	.12E-03	.10E-03	.18E-03	.19E-03	.12E-03	.79E-04	.22E-03	.10E-03	.11E-03	.22E-03	.52E-03	.36E-03	.29E-03	.45E-03	.29E-03
2100.	.12E-02	.25E-03	.12E-03	.10E-03	.17E-03	.18E-03	.12E-03	.77E-04	.20E-03	.99E-04	.11E-03	.21E-03	.51E-03	.35E-03	.29E-03	.44E-03	.28E-03
2200.	.11E-02	.24E-03	.11E-03	.10E-03	.17E-03	.19E-03	.12E-03	.73E-04	.19E-03	.95E-04	.11E-03	.22E-03	.51E-03	.35E-03	.29E-03	.42E-03	.27E-03
2300.	.10E-02	.23E-03	.11E-03	.98E-04	.17E-03	.18E-03	.12E-03	.70E-04	.17E-03	.91E-04	.10E-03	.21E-03	.48E-03	.33E-03	.27E-03	.40E-03	.25E-03
2400.	.96E-03	.22E-03	.11E-03	.96E-04	.16E-03	.17E-03	.11E-03	.67E-04	.16E-03	.87E-04	.98E-04	.20E-03	.47E-03	.32E-03	.27E-03	.38E-03	.24E-03
2500.	.91E-03	.21E-03	.10E-03	.93E-04	.16E-03	.17E-03	.11E-03	.64E-04	.16E-03	.84E-04	.95E-04	.19E-03	.46E-03	.32E-03	.26E-03	.37E-03	.23E-03
2600.	.85E-03	.21E-03	.10E-03	.90E-04	.15E-03	.16E-03	.11E-03	.61E-04	.15E-03	.80E-04	.93E-04	.19E-03	.45E-03	.31E-03	.25E-03	.35E-03	.23E-03
2700.	.79E-03	.20E-03	.98E-04	.87E-04	.15E-03	.16E-03	.10E-03	.62E-04	.14E-03	.79E-04	.90E-04	.18E-03	.43E-03	.30E-03	.25E-03	.34E-03	.22E-03
2800.	.75E-03	.19E-03	.95E-04	.84E-04	.14E-03	.15E-03	.99E-04	.60E-04	.13E-03	.76E-04	.86E-04	.18E-03	.42E-03	.29E-03	.24E-03	.33E-03	.21E-03
2900.	.70E-03	.18E-03	.91E-04	.81E-04	.14E-03	.15E-03	.95E-04	.57E-04	.12E-03	.73E-04	.83E-04	.17E-03	.40E-03	.28E-03	.23E-03	.31E-03	.20E-03
3000.	.66E-03	.17E-03	.88E-04	.79E-04	.13E-03	.14E-03	.92E-04	.54E-04	.11E-03	.70E-04	.80E-04	.16E-03	.39E-03	.27E-03	.22E-03	.30E-03	.19E-03
3100.	.63E-03	.17E-03	.85E-04	.76E-04	.13E-03	.14E-03	.89E-04	.51E-04	.10E-03	.66E-04	.77E-04	.16E-03	.37E-03	.26E-03	.21E-03	.29E-03	.18E-03
3200.	.59E-03	.16E-03	.82E-04	.73E-04	.12E-03	.13E-03	.86E-04	.49E-04	.99E-04	.63E-04	.75E-04	.15E-03	.36E-03	.25E-03	.21E-03	.27E-03	.17E-03
3300.	.56E-03	.15E-03	.80E-04	.71E-04	.12E-03	.13E-03	.84E-04	.47E-04	.94E-04	.61E-04	.73E-04	.15E-03	.35E-03	.24E-03	.20E-03	.26E-03	.17E-03
3400.	.54E-03	.15E-03	.77E-04	.68E-04	.12E-03	.12E-03	.81E-04	.45E-04	.89E-04	.59E-04	.70E-04	.14E-03	.34E-03	.23E-03	.19E-03	.25E-03	.16E-03
3500.	.51E-03	.14E-03	.74E-04	.66E-04	.11E-03	.12E-03	.78E-04	.43E-04	.85E-04	.57E-04	.68E-04	.14E-03	.33E-03	.23E-03	.19E-03	.24E-03	.15E-03
3600.	.49E-03	.14E-03	.72E-04	.64E-04	.11E-03	.12E-03	.76E-04	.42E-04	.81E-04	.54E-04	.67E-04	.13E-03	.32E-03	.22E-03	.18E-03	.23E-03	.15E-03
3700.	.46E-03	.13E-03	.69E-04	.62E-04	.11E-03	.11E-03	.74E-04	.40E-04	.77E-04	.52E-04	.64E-04	.13E-03	.31E-03	.21E-03	.17E-03	.23E-03	.14E-03
3800.	.44E-03	.13E-03	.67E-04	.60E-04	.10E-03	.11E-03	.71E-04	.38E-04	.74E-04	.50E-04	.62E-04	.13E-03	.30E-03	.20E-03	.17E-03	.22E-03	.14E-03
3900.	.42E-03	.12E-03	.65E-04	.58E-04	.99E-04	.10E-03	.68E-04	.37E-04	.71E-04	.48E-04	.60E-04	.12E-03	.29E-03	.20E-03	.16E-03	.21E-03	.13E-03
4000.	.41E-03	.12E-03	.63E-04	.56E-04	.95E-04	.10E-03	.66E-04	.35E-04	.68E-04	.46E-04	.58E-04	.12E-03	.28E-03	.19E-03	.16E-03	.20E-03	.13E-03
4100.	.39E-03	.11E-03	.61E-04	.54E-04	.92E-04	.97E-04	.63E-04	.34E-04	.65E-04	.45E-04	.55E-04	.11E-03	.27E-03	.18E-03	.15E-03	.19E-03	.12E-03
4200.	.37E-03	.11E-03	.59E-04	.52E-04	.89E-04	.94E-04	.61E-04	.33E-04	.63E-04	.43E-04	.53E-04	.11E-03	.26E-03	.18E-03	.15E-03	.19E-03	.12E-03
4300.	.36E-03	.10E-03	.57E-04	.50E-04	.86E-04	.90E-04	.59E-04	.32E-04	.60E-04	.41E-04	.52E-04	.11E-03	.25E-03	.17E-03	.14E-03	.18E-03	.11E-03
4400.	.34E-03	.10E-03	.55E-04	.49E-04	.83E-04	.87E-04	.57E-04	.30E-04	.58E-04	.40E-04	.50E-04	.10E-03	.24E-03	.17E-03	.14E-03	.17E-03	.11E-03
4500.	.33E-03	.97E-04	.53E-04	.47E-04	.81E-04	.85E-04	.55E-04	.29E-04	.56E-04	.38E-04	.48E-04	.98E-04	.23E-03	.16E-03	.13E-03	.17E-03	.11E-03
4600.	.32E-03	.94E-04	.51E-04	.46E-04	.78E-04	.82E-04	.54E-04	.28E-04	.54E-04	.37E-04	.47E-04	.95E-04	.23E-03	.16E-03	.13E-03	.16E-03	.10E-03
4700.	.31E-03	.91E-04	.50E-04	.44E-04	.76E-04	.80E-04	.52E-04	.27E-04	.52E-04	.36E-04	.46E-04	.93E-04	.22E-03	.15E-03	.12E-03	.16E-03	.10E-03
4800.	.30E-03	.88E-04	.48E-04	.43E-04	.74E-04	.77E-04	.50E-04	.27E-04	.50E-04	.35E-04	.44E-04	.90E-04	.21E-03	.15E-03	.12E-03	.15E-03	.97E-04
4900.	.29E-03	.85E-04	.47E-04	.42E-04	.71E-04	.75E-04	.49E-04	.26E-04	.48E-04	.34E-04	.43E-04	.87E-04	.21E-03	.14E-03	.12E-03	.15E-03	.94E-04
5000.	.28E-03	.82E-04	.46E-04	.41E-04	.69E-04	.73E-04	.48E-04	.25E-04	.46E-04	.33E-04	.42E-04	.85E-04	.20E-03	.14E-03	.11E-03	.14E-03	.91E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Oakland, CA Site -- Baseline with 6-cell East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.23E-03	.71E-04	.40E-04	.35E-04	.60E-04	.63E-04	.41E-04	.22E-04	.39E-04	.28E-04	.36E-04	.74E-04	.17E-03	.12E-03	.99E-04	.12E-03	.79E-04
6000.	.20E-03	.61E-04	.35E-04	.31E-04	.52E-04	.55E-04	.36E-04	.19E-04	.34E-04	.25E-04	.32E-04	.64E-04	.15E-03	.11E-03	.87E-04	.11E-03	.68E-04
6500.	.17E-03	.54E-04	.30E-04	.27E-04	.46E-04	.49E-04	.32E-04	.17E-04	.29E-04	.22E-04	.28E-04	.57E-04	.13E-03	.93E-04	.76E-04	.93E-04	.60E-04
7000.	.15E-03	.48E-04	.27E-04	.24E-04	.41E-04	.43E-04	.28E-04	.15E-04	.26E-04	.19E-04	.25E-04	.50E-04	.12E-03	.82E-04	.68E-04	.82E-04	.53E-04
7500.	.13E-03	.42E-04	.24E-04	.21E-04	.37E-04	.39E-04	.25E-04	.13E-04	.23E-04	.17E-04	.22E-04	.45E-04	.11E-03	.74E-04	.61E-04	.73E-04	.47E-04
8000.	.12E-03	.38E-04	.22E-04	.19E-04	.33E-04	.35E-04	.23E-04	.13E-04	.21E-04	.16E-04	.20E-04	.41E-04	.97E-04	.67E-04	.55E-04	.67E-04	.43E-04
8500.	.11E-03	.34E-04	.20E-04	.17E-04	.30E-04	.31E-04	.21E-04	.12E-04	.19E-04	.15E-04	.19E-04	.38E-04	.89E-04	.61E-04	.50E-04	.61E-04	.39E-04
9000.	.98E-04	.31E-04	.18E-04	.16E-04	.27E-04	.29E-04	.19E-04	.10E-04	.18E-04	.14E-04	.17E-04	.35E-04	.83E-04	.57E-04	.47E-04	.55E-04	.36E-04
9500.	.90E-04	.28E-04	.16E-04	.15E-04	.25E-04	.26E-04	.18E-04	.96E-05	.17E-04	.13E-04	.16E-04	.33E-04	.77E-04	.53E-04	.43E-04	.51E-04	.33E-04
10000.	.82E-04	.26E-04	.15E-04	.13E-04	.23E-04	.24E-04	.16E-04	.90E-05	.16E-04	.12E-04	.15E-04	.31E-04	.72E-04	.49E-04	.40E-04	.47E-04	.31E-04
11000.	.76E-04	.24E-04	.14E-04	.12E-04	.21E-04	.22E-04	.15E-04	.85E-05	.15E-04	.11E-04	.15E-04	.29E-04	.67E-04	.46E-04	.38E-04	.43E-04	.28E-04
12000.	.69E-04	.22E-04	.12E-04	.11E-04	.19E-04	.20E-04	.14E-04	.79E-05	.14E-04	.11E-04	.14E-04	.27E-04	.63E-04	.43E-04	.35E-04	.40E-04	.26E-04
13000.	.64E-04	.20E-04	.11E-04	.10E-04	.17E-04	.18E-04	.13E-04	.73E-05	.13E-04	.98E-05	.12E-04	.25E-04	.58E-04	.39E-04	.32E-04	.37E-04	.24E-04
14000.	.59E-04	.19E-04	.11E-04	.95E-05	.16E-04	.17E-04	.12E-04	.68E-05	.12E-04	.91E-05	.12E-04	.23E-04	.54E-04	.37E-04	.30E-04	.34E-04	.22E-04
15000.	.55E-04	.17E-04	.10E-04	.89E-05	.15E-04	.16E-04	.11E-04	.63E-05	.11E-04	.85E-05	.11E-04	.22E-04	.50E-04	.34E-04	.28E-04	.32E-04	.21E-04
16000.	.52E-04	.16E-04	.93E-05	.83E-05	.14E-04	.15E-04	.10E-04	.60E-05	.10E-04	.79E-05	.10E-04	.20E-04	.47E-04	.32E-04	.26E-04	.30E-04	.20E-04
17000.	.48E-04	.15E-04	.88E-05	.78E-05	.13E-04	.14E-04	.97E-05	.56E-05	.98E-05	.75E-05	.96E-05	.19E-04	.44E-04	.30E-04	.25E-04	.28E-04	.19E-04
18000.	.46E-04	.14E-04	.83E-05	.74E-05	.13E-04	.13E-04	.91E-05	.53E-05	.93E-05	.71E-05	.90E-05	.18E-04	.42E-04	.29E-04	.23E-04	.26E-04	.17E-04
19000.	.43E-04	.14E-04	.79E-05	.70E-05	.12E-04	.13E-04	.87E-05	.50E-05	.88E-05	.67E-05	.86E-05	.17E-04	.40E-04	.27E-04	.22E-04	.25E-04	.17E-04
20000.	.41E-04	.13E-04	.75E-05	.67E-05	.11E-04	.12E-04	.82E-05	.47E-05	.83E-05	.63E-05	.81E-05	.16E-04	.38E-04	.26E-04	.21E-04	.24E-04	.16E-04
21000.	.39E-04	.12E-04	.71E-05	.63E-05	.11E-04	.11E-04	.78E-05	.45E-05	.79E-05	.60E-05	.77E-05	.15E-04	.36E-04	.24E-04	.20E-04	.23E-04	.15E-04
22000.	.37E-04	.12E-04	.68E-05	.61E-05	.10E-04	.11E-04	.74E-05	.43E-05	.76E-05	.57E-05	.74E-05	.15E-04	.34E-04	.23E-04	.19E-04	.22E-04	.14E-04
23000.	.36E-04	.11E-04	.65E-05	.58E-05	.99E-05	.10E-04	.71E-05	.41E-05	.72E-05	.55E-05	.70E-05	.14E-04	.33E-04	.22E-04	.18E-04	.21E-04	.14E-04
24000.	.34E-04	.11E-04	.62E-05	.55E-05	.95E-05	.10E-04	.68E-05	.39E-05	.69E-05	.53E-05	.67E-05	.13E-04	.31E-04	.21E-04	.17E-04	.20E-04	.13E-04
25000.	.33E-04	.10E-04	.60E-05	.53E-05	.91E-05	.96E-05	.65E-05	.38E-05	.66E-05	.51E-05	.65E-05	.13E-04	.30E-04	.20E-04	.17E-04	.19E-04	.13E-04
26000.	.32E-04	.10E-04	.57E-05	.51E-05	.87E-05	.92E-05	.63E-05	.36E-05	.64E-05	.49E-05	.62E-05	.12E-04	.29E-04	.20E-04	.16E-04	.18E-04	.12E-04
27000.	.30E-04	.96E-05	.55E-05	.49E-05	.84E-05	.88E-05	.60E-05	.35E-05	.62E-05	.47E-05	.60E-05	.12E-04	.28E-04	.19E-04	.15E-04	.18E-04	.12E-04
28000.	.29E-04	.92E-05	.53E-05	.47E-05	.81E-05	.85E-05	.58E-05	.34E-05	.59E-05	.45E-05	.57E-05	.11E-04	.27E-04	.18E-04	.15E-04	.17E-04	.11E-04
29000.	.28E-04	.89E-05	.51E-05	.46E-05	.78E-05	.82E-05	.56E-05	.32E-05	.57E-05	.44E-05	.55E-05	.11E-04	.26E-04	.18E-04	.14E-04	.16E-04	.11E-04
30000.	.27E-04	.86E-05	.50E-05	.44E-05	.76E-05	.80E-05	.54E-05	.31E-05	.55E-05	.42E-05	.54E-05	.11E-04	.25E-04	.17E-04	.14E-04	.16E-04	.10E-04
32000.	.26E-04	.81E-05	.47E-05	.42E-05	.71E-05	.75E-05	.51E-05	.30E-05	.52E-05	.40E-05	.50E-05	.10E-04	.23E-04	.16E-04	.13E-04	.15E-04	.98E-05
34000.	.24E-04	.76E-05	.44E-05	.39E-05	.67E-05	.70E-05	.48E-05	.28E-05	.49E-05	.37E-05	.47E-05	.95E-05	.22E-04	.15E-04	.12E-04	.14E-04	.92E-05
36000.	.23E-04	.72E-05	.41E-05	.37E-05	.63E-05	.66E-05	.45E-05	.26E-05	.46E-05	.35E-05	.45E-05	.89E-05	.21E-04	.14E-04	.12E-04	.13E-04	.87E-05
38000.	.22E-04	.68E-05	.39E-05	.35E-05	.60E-05	.63E-05	.43E-05	.25E-05	.44E-05	.33E-05	.42E-05	.85E-05	.20E-04	.13E-04	.11E-04	.13E-04	.82E-05
40000.	.21E-04	.65E-05	.37E-05	.33E-05	.57E-05	.60E-05	.41E-05	.24E-05	.42E-05	.32E-05	.40E-05	.81E-05	.19E-04	.13E-04	.10E-04	.12E-04	.78E-05
42000.	.20E-04	.62E-05	.35E-05	.32E-05	.54E-05	.57E-05	.39E-05	.23E-05	.40E-05	.30E-05	.38E-05	.77E-05	.18E-04	.12E-04	.10E-04	.11E-04	.75E-05
44000.	.19E-04	.59E-05	.34E-05	.30E-05	.52E-05	.54E-05	.37E-05	.22E-05	.38E-05	.29E-05	.37E-05	.73E-05	.17E-04	.12E-04	.95E-05	.11E-04	.71E-05
46000.	.18E-04	.56E-05	.32E-05	.29E-05	.49E-05	.52E-05	.35E-05	.21E-05	.36E-05	.28E-05	.35E-05	.70E-05	.16E-04	.11E-04	.91E-05	.10E-04	.68E-05
48000.	.17E-04	.54E-05	.31E-05	.28E-05	.47E-05	.50E-05	.34E-05	.20E-05	.35E-05	.26E-05	.34E-05	.67E-05	.16E-04	.11E-04	.87E-05	.99E-05	.65E-05
50000.	.16E-04	.52E-05	.30E-05	.27E-05	.45E-05	.48E-05	.33E-05	.19E-05	.33E-05	.25E-05	.32E-05	.65E-05	.15E-04	.10E-04	.84E-05	.95E-05	.63E-05
52000.	.16E-04	.50E-05	.29E-05	.26E-05	.44E-05	.46E-05	.31E-05	.18E-05	.32E-05	.24E-05	.31E-05	.62E-05	.14E-04	.99E-05	.81E-05	.91E-05	.60E-05
54000.	.15E-04	.48E-05	.28E-05	.25E-05	.42E-05	.44E-05	.30E-05	.17E-05	.31E-05	.23E-05	.30E-05	.60E-05	.14E-04	.95E-05	.78E-05	.88E-05	.58E-05
56000.	.15E-04	.46E-05	.27E-05	.24E-05	.41E-05	.43E-05	.29E-05	.17E-05	.30E-05	.23E-05	.29E-05	.58E-05	.13E-04	.92E-05	.75E-05	.85E-05	.56E-05
58000.	.14E-04	.45E-05	.26E-05	.23E-05	.39E-05	.41E-05	.28E-05	.16E-05	.29E-05	.22E-05	.28E-05	.56E-05	.13E-04	.89E-05	.72E-05	.82E-05	.54E-05
60000.	.14E-04	.43E-05	.25E-05	.22E-05	.38E-05	.40E-05	.27E-05	.16E-05	.28E-05	.21E-05	.27E-05	.54E-05	.13E-04	.86E-05	.70E-05	.79E-05	.52E-05
62000.	.13E-04	.42E-05	.24E-05	.21E-05	.37E-05	.39E-05	.26E-05	.15E-05	.27E-05	.20E-05	.26E-05	.52E-05	.12E-04	.83E-05	.68E-05	.76E-05	.51E-05
64000.	.13E-04	.40E-05	.23E-05	.21E-05	.35E-05	.37E-05	.25E-05	.15E-05	.26E-05	.20E-05	.25E-05	.51E-05	.12E-04	.80E-05	.65E-05	.74E-05	.49E-05
66000.	.12E-04	.39E-05	.23E-05	.20E-05	.34E-05	.36E-05	.25E-05	.14E-05	.25E-05	.19E-05	.24E-05	.49E-05	.11E-04	.77E-05	.63E-05	.72E-05	.47E-05
68000.	.12E-04	.38E-05	.22E-05	.20E-05	.33E-05	.35E-05	.24E-05	.14E-05	.24E-05	.18E-05	.24E-05	.47E-05	.11E-04	.75E-05	.62E-05	.70E-05	.46E-05
70000.	.12E-04	.37E-05	.21E-05	.19E-05	.32E-05	.34E-05	.23E-05	.13E-05	.24E-05	.18E-05	.23E-05	.46E-05	.11E-04	.73E-05	.60E-05	.68E-05	.45E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Oakland, CA Site -- Controlled with 6-cell East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.75E-04	.22E-06	.80E-06	.75E-06	.10E-05	.11E-05	.28E-05	.12E-06	.11E-04	.16E-06	.85E-05	.16E-04	.34E-04	.22E-04	.17E-04	.27E-06	.12E-04
200.	.54E-04	.51E-05	.12E-05	.11E-05	.21E-05	.21E-05	.21E-05	.16E-05	.81E-05	.20E-05	.32E-05	.61E-05	.13E-04	.85E-05	.68E-05	.88E-05	.79E-05
300.	.36E-03	.53E-05	.18E-05	.16E-05	.27E-05	.29E-05	.25E-05	.42E-05	.53E-04	.48E-05	.26E-05	.53E-05	.15E-04	.89E-05	.61E-05	.12E-04	.31E-04
400.	.93E-03	.19E-05	.12E-05	.11E-05	.19E-05	.21E-05	.17E-05	.57E-06	.39E-03	.74E-06	.14E-05	.28E-05	.76E-05	.47E-05	.34E-05	.32E-05	.85E-04
500.	.90E-03	.14E-05	.95E-06	.87E-06	.17E-05	.30E-05	.11E-04	.41E-06	.25E-03	.52E-06	.41E-05	.34E-05	.12E-04	.48E-05	.36E-05	.24E-05	.75E-04
600.	.88E-03	.42E-05	.63E-06	.56E-06	.93E-06	.12E-05	.46E-05	.21E-05	.19E-03	.25E-05	.25E-05	.31E-05	.98E-05	.47E-05	.31E-05	.89E-05	.70E-04
700.	.81E-03	.96E-05	.90E-06	.79E-06	.13E-05	.14E-05	.29E-05	.28E-05	.16E-03	.35E-05	.13E-05	.17E-05	.51E-05	.27E-05	.22E-05	.17E-04	.64E-04
800.	.73E-03	.18E-04	.22E-05	.19E-05	.33E-05	.35E-05	.37E-05	.51E-05	.14E-03	.67E-05	.23E-05	.40E-05	.10E-04	.65E-05	.54E-05	.32E-04	.61E-04
900.	.66E-03	.28E-04	.44E-05	.39E-05	.66E-05	.71E-05	.58E-05	.78E-05	.12E-03	.10E-04	.44E-05	.87E-05	.23E-04	.15E-04	.11E-04	.48E-04	.60E-04
1000.	.59E-03	.36E-04	.72E-05	.64E-05	.11E-04	.11E-04	.82E-05	.10E-04	.10E-03	.13E-04	.67E-05	.13E-04	.32E-04	.22E-04	.18E-04	.62E-04	.59E-04
1100.	.53E-03	.43E-04	.10E-04	.91E-05	.15E-04	.16E-04	.11E-04	.13E-04	.93E-04	.17E-04	.92E-05	.19E-04	.44E-04	.30E-04	.25E-04	.74E-04	.60E-04
1200.	.47E-03	.47E-04	.13E-04	.12E-04	.20E-04	.21E-04	.14E-04	.14E-04	.82E-04	.18E-04	.12E-04	.24E-04	.60E-04	.40E-04	.33E-04	.81E-04	.60E-04
1300.	.42E-03	.49E-04	.15E-04	.14E-04	.23E-04	.24E-04	.16E-04	.14E-04	.73E-04	.19E-04	.14E-04	.28E-04	.67E-04	.46E-04	.38E-04	.85E-04	.59E-04
1400.	.38E-03	.51E-04	.17E-04	.16E-04	.27E-04	.29E-04	.20E-04	.15E-04	.66E-04	.20E-04	.18E-04	.36E-04	.86E-04	.57E-04	.46E-04	.87E-04	.61E-04
1500.	.35E-03	.51E-04	.18E-04	.16E-04	.28E-04	.29E-04	.19E-04	.15E-04	.59E-04	.20E-04	.17E-04	.34E-04	.80E-04	.55E-04	.46E-04	.88E-04	.58E-04
1600.	.32E-03	.51E-04	.19E-04	.17E-04	.29E-04	.31E-04	.20E-04	.15E-04	.54E-04	.20E-04	.17E-04	.35E-04	.83E-04	.58E-04	.48E-04	.87E-04	.56E-04
1700.	.29E-03	.50E-04	.20E-04	.18E-04	.30E-04	.32E-04	.21E-04	.15E-04	.49E-04	.20E-04	.18E-04	.36E-04	.86E-04	.60E-04	.49E-04	.86E-04	.55E-04
1800.	.26E-03	.49E-04	.20E-04	.18E-04	.31E-04	.32E-04	.21E-04	.15E-04	.45E-04	.20E-04	.18E-04	.37E-04	.87E-04	.61E-04	.50E-04	.85E-04	.53E-04
1900.	.24E-03	.47E-04	.20E-04	.18E-04	.31E-04	.32E-04	.21E-04	.14E-04	.41E-04	.18E-04	.18E-04	.37E-04	.88E-04	.61E-04	.50E-04	.81E-04	.51E-04
2000.	.22E-03	.46E-04	.20E-04	.18E-04	.30E-04	.32E-04	.21E-04	.14E-04	.38E-04	.18E-04	.18E-04	.37E-04	.87E-04	.60E-04	.50E-04	.78E-04	.49E-04
2100.	.21E-03	.44E-04	.20E-04	.18E-04	.30E-04	.32E-04	.21E-04	.13E-04	.35E-04	.17E-04	.18E-04	.37E-04	.86E-04	.60E-04	.49E-04	.75E-04	.48E-04
2200.	.19E-03	.42E-04	.20E-04	.17E-04	.30E-04	.31E-04	.21E-04	.13E-04	.32E-04	.16E-04	.18E-04	.37E-04	.86E-04	.59E-04	.49E-04	.72E-04	.46E-04
2300.	.18E-03	.40E-04	.19E-04	.17E-04	.29E-04	.30E-04	.20E-04	.12E-04	.30E-04	.16E-04	.17E-04	.35E-04	.83E-04	.57E-04	.47E-04	.69E-04	.44E-04
2400.	.17E-03	.39E-04	.19E-04	.16E-04	.28E-04	.30E-04	.19E-04	.12E-04	.28E-04	.15E-04	.17E-04	.34E-04	.81E-04	.56E-04	.46E-04	.67E-04	.42E-04
2500.	.16E-03	.37E-04	.18E-04	.16E-04	.27E-04	.29E-04	.19E-04	.11E-04	.27E-04	.15E-04	.16E-04	.33E-04	.79E-04	.54E-04	.45E-04	.64E-04	.40E-04
2600.	.15E-03	.36E-04	.17E-04	.16E-04	.27E-04	.28E-04	.18E-04	.11E-04	.25E-04	.14E-04	.16E-04	.32E-04	.77E-04	.53E-04	.44E-04	.61E-04	.39E-04
2700.	.14E-03	.34E-04	.17E-04	.15E-04	.26E-04	.27E-04	.18E-04	.10E-04	.23E-04	.13E-04	.15E-04	.31E-04	.74E-04	.51E-04	.42E-04	.59E-04	.37E-04
2800.	.13E-03	.33E-04	.16E-04	.15E-04	.25E-04	.26E-04	.17E-04	.10E-04	.22E-04	.13E-04	.15E-04	.30E-04	.71E-04	.49E-04	.41E-04	.56E-04	.35E-04
2900.	.12E-03	.31E-04	.16E-04	.14E-04	.24E-04	.25E-04	.16E-04	.95E-05	.20E-04	.12E-04	.14E-04	.29E-04	.69E-04	.48E-04	.39E-04	.54E-04	.34E-04
3000.	.12E-03	.30E-04	.15E-04	.14E-04	.23E-04	.24E-04	.16E-04	.91E-05	.19E-04	.12E-04	.14E-04	.28E-04	.66E-04	.46E-04	.38E-04	.52E-04	.33E-04
3100.	.11E-03	.29E-04	.15E-04	.13E-04	.22E-04	.24E-04	.15E-04	.87E-05	.18E-04	.11E-04	.13E-04	.27E-04	.64E-04	.44E-04	.37E-04	.49E-04	.31E-04
3200.	.10E-03	.28E-04	.14E-04	.13E-04	.22E-04	.23E-04	.15E-04	.83E-05	.17E-04	.11E-04	.13E-04	.26E-04	.62E-04	.43E-04	.35E-04	.47E-04	.30E-04
3300.	.98E-04	.26E-04	.14E-04	.12E-04	.21E-04	.22E-04	.14E-04	.80E-05	.16E-04	.10E-04	.12E-04	.25E-04	.60E-04	.41E-04	.34E-04	.45E-04	.29E-04
3400.	.93E-04	.25E-04	.13E-04	.12E-04	.20E-04	.21E-04	.14E-04	.77E-05	.16E-04	.10E-04	.12E-04	.24E-04	.58E-04	.40E-04	.33E-04	.44E-04	.28E-04
3500.	.89E-04	.24E-04	.13E-04	.11E-04	.19E-04	.21E-04	.13E-04	.74E-05	.15E-04	.96E-05	.12E-04	.24E-04	.56E-04	.39E-04	.32E-04	.42E-04	.27E-04
3600.	.84E-04	.23E-04	.12E-04	.11E-04	.19E-04	.20E-04	.13E-04	.71E-05	.14E-04	.93E-05	.11E-04	.23E-04	.54E-04	.37E-04	.31E-04	.40E-04	.26E-04
3700.	.80E-04	.23E-04	.12E-04	.11E-04	.18E-04	.19E-04	.12E-04	.68E-05	.13E-04	.89E-05	.11E-04	.22E-04	.52E-04	.36E-04	.30E-04	.39E-04	.25E-04
3800.	.77E-04	.22E-04	.12E-04	.10E-04	.18E-04	.19E-04	.12E-04	.66E-05	.13E-04	.86E-05	.11E-04	.21E-04	.51E-04	.35E-04	.29E-04	.37E-04	.24E-04
3900.	.74E-04	.21E-04	.11E-04	.10E-04	.17E-04	.18E-04	.12E-04	.63E-05	.12E-04	.83E-05	.10E-04	.21E-04	.49E-04	.34E-04	.28E-04	.36E-04	.23E-04
4000.	.70E-04	.20E-04	.11E-04	.96E-05	.16E-04	.17E-04	.11E-04	.61E-05	.12E-04	.79E-05	.98E-05	.20E-04	.47E-04	.33E-04	.27E-04	.35E-04	.22E-04
4100.	.67E-04	.19E-04	.10E-04	.93E-05	.16E-04	.17E-04	.11E-04	.58E-05	.11E-04	.77E-05	.95E-05	.19E-04	.46E-04	.32E-04	.26E-04	.33E-04	.21E-04
4200.	.65E-04	.19E-04	.10E-04	.90E-05	.15E-04	.16E-04	.10E-04	.56E-05	.11E-04	.74E-05	.92E-05	.19E-04	.44E-04	.30E-04	.25E-04	.32E-04	.20E-04
4300.	.62E-04	.18E-04	.98E-05	.87E-05	.15E-04	.16E-04	.10E-04	.54E-05	.10E-04	.71E-05	.88E-05	.18E-04	.43E-04	.29E-04	.24E-04	.31E-04	.20E-04
4400.	.60E-04	.17E-04	.95E-05	.85E-05	.14E-04	.15E-04	.98E-05	.52E-05	.10E-04	.69E-05	.86E-05	.17E-04	.41E-04	.29E-04	.24E-04	.30E-04	.19E-04
4500.	.57E-04	.17E-04	.92E-05	.82E-05	.14E-04	.15E-04	.95E-05	.51E-05	.96E-05	.66E-05	.83E-05	.17E-04	.40E-04	.28E-04	.23E-04	.29E-04	.18E-04
4600.	.55E-04	.16E-04	.89E-05	.79E-05	.14E-04	.14E-04	.92E-05	.49E-05	.92E-05	.64E-05	.80E-05	.16E-04	.39E-04	.27E-04	.22E-04	.28E-04	.18E-04
4700.	.53E-04	.16E-04	.86E-05	.77E-05	.13E-04	.14E-04	.89E-05	.47E-05	.89E-05	.62E-05	.78E-05	.16E-04	.38E-04	.26E-04	.21E-04	.27E-04	.17E-04
4800.	.51E-04	.15E-04	.84E-05	.75E-05	.13E-04	.13E-04	.87E-05	.46E-05	.86E-05	.60E-05	.76E-05	.15E-04	.36E-04	.25E-04	.21E-04	.26E-04	.17E-04
4900.	.49E-04	.15E-04	.81E-05	.72E-05	.12E-04	.13E-04	.84E-05	.44E-05	.83E-05	.58E-05	.74E-05	.15E-04	.35E-04	.24E-04	.20E-04	.25E-04	.16E-04
5000.	.48E-04	.14E-04	.79E-05	.70E-05	.12E-04	.13E-04	.82E-05	.43E-05	.80E-05	.56E-05	.71E-05	.15E-04	.34E-04	.24E-04	.20E-04	.24E-04	.16E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Oakland, CA Site -- Controlled with 6-cell East-West(Inline) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.040180

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.40E-04	.12E-04	.68E-05	.61E-05	.10E-04	.11E-04	.71E-05	.37E-05	.68E-05	.49E-05	.62E-05	.13E-04	.30E-04	.21E-04	.17E-04	.21E-04	.14E-04
6000.	.35E-04	.11E-04	.60E-05	.53E-05	.91E-05	.95E-05	.62E-05	.32E-05	.58E-05	.42E-05	.54E-05	.11E-04	.26E-04	.18E-04	.15E-04	.18E-04	.12E-04
6500.	.30E-04	.93E-05	.53E-05	.47E-05	.80E-05	.84E-05	.55E-05	.29E-05	.50E-05	.37E-05	.48E-05	.97E-05	.23E-04	.16E-04	.13E-04	.16E-04	.10E-04
7000.	.26E-04	.82E-05	.47E-05	.42E-05	.71E-05	.75E-05	.48E-05	.25E-05	.45E-05	.33E-05	.42E-05	.86E-05	.20E-04	.14E-04	.12E-04	.14E-04	.92E-05
7500.	.23E-04	.73E-05	.42E-05	.37E-05	.63E-05	.67E-05	.43E-05	.23E-05	.40E-05	.30E-05	.38E-05	.78E-05	.18E-04	.13E-04	.10E-04	.13E-04	.82E-05
8000.	.21E-04	.66E-05	.38E-05	.33E-05	.57E-05	.60E-05	.39E-05	.22E-05	.36E-05	.28E-05	.35E-05	.71E-05	.17E-04	.12E-04	.95E-05	.12E-04	.74E-05
8500.	.19E-04	.60E-05	.34E-05	.30E-05	.52E-05	.54E-05	.36E-05	.19E-05	.33E-05	.25E-05	.32E-05	.65E-05	.15E-04	.11E-04	.87E-05	.10E-04	.67E-05
9000.	.17E-04	.54E-05	.31E-05	.28E-05	.47E-05	.49E-05	.33E-05	.17E-05	.30E-05	.23E-05	.30E-05	.60E-05	.14E-04	.97E-05	.80E-05	.95E-05	.62E-05
9500.	.16E-04	.49E-05	.28E-05	.25E-05	.43E-05	.45E-05	.30E-05	.16E-05	.28E-05	.22E-05	.28E-05	.56E-05	.13E-04	.90E-05	.74E-05	.87E-05	.57E-05
10000.	.14E-04	.45E-05	.26E-05	.23E-05	.40E-05	.42E-05	.28E-05	.15E-05	.27E-05	.20E-05	.26E-05	.53E-05	.12E-04	.84E-05	.70E-05	.81E-05	.53E-05
11000.	.13E-04	.41E-05	.24E-05	.21E-05	.36E-05	.38E-05	.25E-05	.15E-05	.26E-05	.19E-05	.25E-05	.50E-05	.12E-04	.79E-05	.65E-05	.74E-05	.49E-05
12000.	.12E-04	.38E-05	.22E-05	.19E-05	.33E-05	.35E-05	.23E-05	.14E-05	.24E-05	.18E-05	.23E-05	.46E-05	.11E-04	.73E-05	.60E-05	.69E-05	.45E-05
13000.	.11E-04	.35E-05	.20E-05	.18E-05	.30E-05	.32E-05	.22E-05	.12E-05	.22E-05	.17E-05	.21E-05	.43E-05	.99E-05	.68E-05	.56E-05	.63E-05	.42E-05
14000.	.10E-04	.32E-05	.19E-05	.16E-05	.28E-05	.30E-05	.20E-05	.12E-05	.21E-05	.16E-05	.20E-05	.40E-05	.92E-05	.63E-05	.52E-05	.59E-05	.39E-05
15000.	.95E-05	.30E-05	.17E-05	.15E-05	.26E-05	.28E-05	.19E-05	.11E-05	.19E-05	.15E-05	.19E-05	.37E-05	.86E-05	.59E-05	.48E-05	.55E-05	.36E-05
16000.	.90E-05	.28E-05	.16E-05	.14E-05	.25E-05	.26E-05	.18E-05	.10E-05	.18E-05	.14E-05	.17E-05	.35E-05	.81E-05	.55E-05	.45E-05	.51E-05	.34E-05
17000.	.84E-05	.26E-05	.15E-05	.14E-05	.23E-05	.24E-05	.17E-05	.95E-06	.17E-05	.13E-05	.16E-05	.33E-05	.76E-05	.52E-05	.43E-05	.48E-05	.32E-05
18000.	.80E-05	.25E-05	.14E-05	.13E-05	.22E-05	.23E-05	.16E-05	.90E-06	.16E-05	.12E-05	.15E-05	.31E-05	.72E-05	.49E-05	.40E-05	.46E-05	.30E-05
19000.	.75E-05	.24E-05	.14E-05	.12E-05	.21E-05	.22E-05	.15E-05	.85E-06	.15E-05	.11E-05	.15E-05	.29E-05	.68E-05	.46E-05	.38E-05	.43E-05	.29E-05
20000.	.72E-05	.22E-05	.13E-05	.12E-05	.20E-05	.21E-05	.14E-05	.81E-06	.14E-05	.11E-05	.14E-05	.28E-05	.64E-05	.44E-05	.36E-05	.41E-05	.27E-05
21000.	.68E-05	.21E-05	.12E-05	.11E-05	.19E-05	.20E-05	.13E-05	.77E-06	.14E-05	.10E-05	.13E-05	.27E-05	.61E-05	.42E-05	.34E-05	.39E-05	.26E-05
22000.	.65E-05	.20E-05	.12E-05	.10E-05	.18E-05	.19E-05	.13E-05	.73E-06	.13E-05	.99E-06	.13E-05	.25E-05	.59E-05	.40E-05	.33E-05	.37E-05	.25E-05
23000.	.62E-05	.20E-05	.11E-05	.10E-05	.17E-05	.18E-05	.12E-05	.70E-06	.13E-05	.95E-06	.12E-05	.24E-05	.56E-05	.38E-05	.31E-05	.36E-05	.24E-05
24000.	.60E-05	.19E-05	.11E-05	.96E-06	.16E-05	.17E-05	.12E-05	.67E-06	.12E-05	.91E-06	.12E-05	.23E-05	.54E-05	.37E-05	.30E-05	.34E-05	.23E-05
25000.	.57E-05	.18E-05	.10E-05	.92E-06	.16E-05	.17E-05	.11E-05	.65E-06	.12E-05	.87E-06	.11E-05	.22E-05	.51E-05	.35E-05	.29E-05	.33E-05	.22E-05
26000.	.55E-05	.17E-05	.10E-05	.89E-06	.15E-05	.16E-05	.11E-05	.62E-06	.11E-05	.84E-06	.11E-05	.21E-05	.49E-05	.34E-05	.28E-05	.32E-05	.21E-05
27000.	.53E-05	.17E-05	.96E-06	.85E-06	.15E-05	.15E-05	.10E-05	.60E-06	.11E-05	.81E-06	.10E-05	.21E-05	.48E-05	.33E-05	.27E-05	.30E-05	.20E-05
28000.	.51E-05	.16E-05	.92E-06	.82E-06	.14E-05	.15E-05	.10E-05	.58E-06	.10E-05	.78E-06	.99E-06	.20E-05	.46E-05	.31E-05	.26E-05	.29E-05	.19E-05
29000.	.49E-05	.16E-05	.89E-06	.80E-06	.14E-05	.14E-05	.97E-06	.56E-06	.99E-06	.75E-06	.95E-06	.19E-05	.44E-05	.30E-05	.25E-05	.28E-05	.19E-05
30000.	.48E-05	.15E-05	.86E-06	.77E-06	.13E-05	.14E-05	.94E-06	.54E-06	.96E-06	.72E-06	.92E-06	.18E-05	.43E-05	.29E-05	.24E-05	.27E-05	.18E-05
32000.	.45E-05	.14E-05	.81E-06	.72E-06	.12E-05	.13E-05	.88E-06	.51E-06	.90E-06	.68E-06	.87E-06	.17E-05	.40E-05	.27E-05	.23E-05	.26E-05	.17E-05
34000.	.42E-05	.13E-05	.76E-06	.68E-06	.12E-05	.12E-05	.83E-06	.48E-06	.85E-06	.64E-06	.81E-06	.16E-05	.38E-05	.26E-05	.21E-05	.24E-05	.16E-05
36000.	.40E-05	.12E-05	.72E-06	.64E-06	.11E-05	.11E-05	.78E-06	.45E-06	.80E-06	.60E-06	.77E-06	.15E-05	.36E-05	.24E-05	.20E-05	.23E-05	.15E-05
38000.	.38E-05	.12E-05	.68E-06	.61E-06	.10E-05	.11E-05	.74E-06	.43E-06	.76E-06	.57E-06	.73E-06	.15E-05	.34E-05	.23E-05	.19E-05	.22E-05	.14E-05
40000.	.36E-05	.11E-05	.65E-06	.58E-06	.98E-06	.10E-05	.70E-06	.41E-06	.72E-06	.54E-06	.69E-06	.14E-05	.32E-05	.22E-05	.18E-05	.21E-05	.14E-05
42000.	.34E-05	.11E-05	.62E-06	.55E-06	.94E-06	.99E-06	.67E-06	.39E-06	.68E-06	.52E-06	.66E-06	.13E-05	.31E-05	.21E-05	.17E-05	.20E-05	.13E-05
44000.	.33E-05	.10E-05	.59E-06	.52E-06	.89E-06	.94E-06	.64E-06	.37E-06	.65E-06	.49E-06	.63E-06	.13E-05	.29E-05	.20E-05	.16E-05	.19E-05	.12E-05
46000.	.31E-05	.98E-06	.56E-06	.50E-06	.85E-06	.90E-06	.61E-06	.35E-06	.63E-06	.47E-06	.60E-06	.12E-05	.28E-05	.19E-05	.16E-05	.18E-05	.12E-05
48000.	.30E-05	.94E-06	.54E-06	.48E-06	.82E-06	.86E-06	.58E-06	.34E-06	.60E-06	.45E-06	.58E-06	.12E-05	.27E-05	.18E-05	.15E-05	.17E-05	.11E-05
50000.	.29E-05	.90E-06	.52E-06	.46E-06	.79E-06	.83E-06	.56E-06	.32E-06	.57E-06	.43E-06	.55E-06	.11E-05	.26E-05	.18E-05	.14E-05	.16E-05	.11E-05
52000.	.28E-05	.86E-06	.50E-06	.44E-06	.76E-06	.80E-06	.54E-06	.31E-06	.55E-06	.42E-06	.53E-06	.11E-05	.25E-05	.17E-05	.14E-05	.16E-05	.10E-05
54000.	.27E-05	.83E-06	.48E-06	.43E-06	.73E-06	.77E-06	.52E-06	.30E-06	.53E-06	.40E-06	.51E-06	.10E-05	.24E-05	.16E-05	.13E-05	.15E-05	.10E-05
56000.	.26E-05	.80E-06	.46E-06	.41E-06	.70E-06	.74E-06	.50E-06	.29E-06	.51E-06	.39E-06	.50E-06	.99E-06	.23E-05	.16E-05	.13E-05	.15E-05	.97E-06
58000.	.25E-05	.78E-06	.45E-06	.40E-06	.68E-06	.71E-06	.48E-06	.28E-06	.49E-06	.37E-06	.48E-06	.96E-06	.22E-05	.15E-05	.12E-05	.14E-05	.93E-06
60000.	.24E-05	.75E-06	.43E-06	.38E-06	.66E-06	.69E-06	.47E-06	.27E-06	.48E-06	.36E-06	.46E-06	.93E-06	.21E-05	.15E-05	.12E-05	.14E-05	.90E-06
62000.	.23E-05	.73E-06	.42E-06	.37E-06	.63E-06	.67E-06	.45E-06	.26E-06	.46E-06	.35E-06	.45E-06	.90E-06	.21E-05	.14E-05	.12E-05	.13E-05	.87E-06
64000.	.22E-05	.70E-06	.40E-06	.36E-06	.61E-06	.65E-06	.44E-06	.25E-06	.45E-06	.34E-06	.43E-06	.87E-06	.20E-05	.14E-05	.11E-05	.13E-05	.85E-06
66000.	.22E-05	.68E-06	.39E-06	.35E-06	.60E-06	.63E-06	.42E-06	.24E-06	.43E-06	.33E-06	.42E-06	.84E-06	.19E-05	.13E-05	.11E-05	.12E-05	.82E-06
68000.	.21E-05	.66E-06	.38E-06	.34E-06	.58E-06	.61E-06	.41E-06	.24E-06	.42E-06	.32E-06	.41E-06	.82E-06	.19E-05	.13E-05	.11E-05	.12E-05	.80E-06
70000.	.20E-05	.64E-06	.37E-06	.33E-06	.56E-06	.59E-06	.40E-06	.23E-06	.41E-06	.31E-06	.40E-06	.79E-06	.18E-05	.13E-05	.10E-05	.12E-05	.77E-06

A.6. SENSITIVITY STUDIES

* NEWARK BASELINE
* NO WAKE
* EFFECTIVE SOURCE
* SINGLE DROP
* GAS RELEASE (GAS PUFF)

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell East-West(Normal) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.18E-03	.35E-05	.16E-04	.44E-05	.69E-05	.11E-04	.17E-04	.18E-05	.35E-03	.98E-05	.11E-03	.10E-03	.13E-03	.16E-03	.14E-03	.14E-05	.79E-04
200.	.75E-04	.35E-04	.44E-05	.47E-05	.56E-05	.48E-05	.63E-05	.21E-04	.14E-03	.11E-03	.36E-04	.25E-04	.30E-04	.18E-04	.10E-04	.10E-04	.34E-04
300.	.15E-03	.18E-03	.52E-04	.39E-04	.53E-04	.54E-04	.87E-04	.74E-04	.29E-03	.20E-03	.16E-03	.14E-03	.14E-03	.87E-04	.69E-04	.10E-03	.12E-03
400.	.50E-03	.59E-04	.56E-05	.46E-05	.63E-05	.59E-05	.89E-05	.29E-04	.85E-03	.83E-04	.39E-04	.32E-04	.34E-04	.20E-04	.12E-04	.35E-04	.11E-03
500.	.58E-03	.20E-04	.50E-04	.30E-04	.36E-04	.33E-04	.35E-04	.21E-04	.11E-02	.36E-04	.14E-03	.13E-03	.15E-03	.15E-03	.13E-03	.11E-04	.17E-03
600.	.77E-03	.37E-04	.81E-05	.50E-05	.62E-05	.97E-05	.16E-04	.21E-04	.13E-02	.57E-04	.31E-04	.31E-04	.34E-04	.28E-04	.20E-04	.18E-04	.15E-03
700.	.87E-03	.30E-04	.18E-04	.11E-04	.14E-04	.16E-04	.22E-04	.14E-04	.15E-02	.65E-04	.78E-04	.69E-04	.85E-04	.86E-04	.71E-04	.94E-05	.19E-03
800.	.69E-03	.36E-04	.27E-04	.16E-04	.19E-04	.17E-04	.18E-04	.22E-04	.13E-02	.11E-03	.64E-04	.55E-04	.61E-04	.43E-04	.30E-04	.11E-04	.16E-03
900.	.64E-03	.60E-04	.89E-05	.73E-05	.10E-04	.89E-05	.13E-04	.39E-04	.12E-02	.17E-03	.63E-04	.42E-04	.47E-04	.23E-04	.13E-04	.20E-04	.15E-03
1000.	.61E-03	.84E-04	.14E-04	.11E-04	.16E-04	.14E-04	.20E-04	.50E-04	.11E-02	.23E-03	.99E-04	.67E-04	.76E-04	.40E-04	.23E-04	.29E-04	.16E-03
1100.	.52E-03	.18E-03	.21E-04	.16E-04	.23E-04	.21E-04	.30E-04	.11E-03	.99E-03	.37E-03	.15E-03	.10E-03	.12E-03	.72E-04	.48E-04	.92E-04	.18E-03
1200.	.49E-03	.11E-03	.24E-04	.20E-04	.27E-04	.24E-04	.35E-04	.60E-04	.91E-03	.30E-03	.17E-03	.11E-03	.13E-03	.64E-04	.37E-04	.32E-04	.16E-03
1300.	.46E-03	.10E-03	.30E-04	.24E-04	.33E-04	.29E-04	.43E-04	.62E-04	.83E-03	.31E-03	.20E-03	.13E-03	.15E-03	.75E-04	.43E-04	.30E-04	.16E-03
1400.	.39E-03	.10E-03	.56E-04	.40E-04	.54E-04	.52E-04	.71E-04	.64E-04	.75E-03	.32E-03	.26E-03	.19E-03	.20E-03	.11E-03	.77E-04	.31E-04	.17E-03
1500.	.36E-03	.11E-03	.38E-04	.31E-04	.43E-04	.41E-04	.60E-04	.65E-04	.68E-03	.33E-03	.24E-03	.16E-03	.18E-03	.89E-04	.54E-04	.36E-04	.16E-03
1600.	.33E-03	.11E-03	.33E-04	.27E-04	.38E-04	.34E-04	.50E-04	.66E-04	.62E-03	.33E-03	.23E-03	.15E-03	.17E-03	.85E-04	.49E-04	.36E-04	.15E-03
1700.	.30E-03	.11E-03	.34E-04	.27E-04	.38E-04	.34E-04	.50E-04	.65E-04	.57E-03	.32E-03	.24E-03	.16E-03	.18E-03	.89E-04	.52E-04	.33E-04	.14E-03
1800.	.28E-03	.11E-03	.34E-04	.27E-04	.38E-04	.34E-04	.49E-04	.68E-04	.54E-03	.32E-03	.23E-03	.16E-03	.18E-03	.85E-04	.48E-04	.34E-04	.14E-03
1900.	.28E-03	.10E-03	.34E-04	.27E-04	.38E-04	.34E-04	.49E-04	.65E-04	.51E-03	.31E-03	.23E-03	.15E-03	.17E-03	.85E-04	.48E-04	.32E-04	.14E-03
2000.	.26E-03	.94E-04	.33E-04	.27E-04	.37E-04	.33E-04	.48E-04	.58E-04	.47E-03	.29E-03	.23E-03	.15E-03	.17E-03	.82E-04	.46E-04	.28E-04	.13E-03
2100.	.23E-03	.90E-04	.37E-04	.29E-04	.40E-04	.34E-04	.49E-04	.55E-04	.43E-03	.28E-03	.23E-03	.16E-03	.17E-03	.88E-04	.52E-04	.28E-04	.12E-03
2200.	.21E-03	.86E-04	.34E-04	.27E-04	.38E-04	.33E-04	.47E-04	.53E-04	.39E-03	.26E-03	.22E-03	.15E-03	.17E-03	.83E-04	.47E-04	.26E-04	.12E-03
2300.	.19E-03	.83E-04	.31E-04	.25E-04	.35E-04	.31E-04	.45E-04	.51E-04	.36E-03	.25E-03	.21E-03	.14E-03	.16E-03	.76E-04	.43E-04	.26E-04	.11E-03
2400.	.18E-03	.81E-04	.29E-04	.24E-04	.34E-04	.29E-04	.43E-04	.49E-04	.34E-03	.25E-03	.20E-03	.14E-03	.15E-03	.72E-04	.40E-04	.27E-04	.11E-03
2500.	.17E-03	.80E-04	.28E-04	.23E-04	.33E-04	.28E-04	.42E-04	.47E-04	.32E-03	.23E-03	.20E-03	.13E-03	.15E-03	.70E-04	.39E-04	.25E-04	.10E-03
2600.	.16E-03	.76E-04	.28E-04	.23E-04	.32E-04	.29E-04	.42E-04	.45E-04	.30E-03	.23E-03	.19E-03	.13E-03	.14E-03	.69E-04	.39E-04	.24E-04	.97E-04
2700.	.15E-03	.75E-04	.28E-04	.23E-04	.32E-04	.29E-04	.42E-04	.44E-04	.28E-03	.22E-03	.19E-03	.13E-03	.14E-03	.68E-04	.40E-04	.23E-04	.94E-04
2800.	.14E-03	.67E-04	.27E-04	.22E-04	.31E-04	.28E-04	.41E-04	.41E-04	.26E-03	.20E-03	.18E-03	.12E-03	.14E-03	.67E-04	.39E-04	.20E-04	.90E-04
2900.	.13E-03	.63E-04	.26E-04	.21E-04	.29E-04	.26E-04	.38E-04	.39E-04	.25E-03	.19E-03	.18E-03	.12E-03	.13E-03	.64E-04	.37E-04	.19E-04	.85E-04
3000.	.13E-03	.60E-04	.24E-04	.20E-04	.28E-04	.25E-04	.36E-04	.37E-04	.24E-03	.19E-03	.17E-03	.11E-03	.13E-03	.61E-04	.35E-04	.18E-04	.81E-04
3100.	.12E-03	.58E-04	.24E-04	.19E-04	.27E-04	.23E-04	.34E-04	.35E-04	.22E-03	.18E-03	.16E-03	.11E-03	.12E-03	.59E-04	.34E-04	.17E-04	.77E-04
3200.	.11E-03	.55E-04	.24E-04	.19E-04	.26E-04	.22E-04	.32E-04	.34E-04	.21E-03	.17E-03	.16E-03	.10E-03	.12E-03	.57E-04	.33E-04	.17E-04	.74E-04
3300.	.11E-03	.54E-04	.22E-04	.18E-04	.25E-04	.22E-04	.31E-04	.33E-04	.21E-03	.16E-03	.15E-03	.99E-04	.11E-03	.55E-04	.31E-04	.16E-04	.72E-04
3400.	.10E-03	.52E-04	.21E-04	.17E-04	.24E-04	.21E-04	.30E-04	.32E-04	.19E-03	.16E-03	.14E-03	.96E-04	.11E-03	.54E-04	.31E-04	.16E-04	.69E-04
3500.	.99E-04	.50E-04	.21E-04	.17E-04	.23E-04	.20E-04	.29E-04	.31E-04	.18E-03	.15E-03	.14E-03	.93E-04	.11E-03	.52E-04	.30E-04	.15E-04	.67E-04
3600.	.95E-04	.49E-04	.20E-04	.16E-04	.22E-04	.20E-04	.28E-04	.30E-04	.18E-03	.15E-03	.13E-03	.90E-04	.10E-03	.50E-04	.29E-04	.15E-04	.64E-04
3700.	.93E-04	.47E-04	.19E-04	.15E-04	.21E-04	.19E-04	.27E-04	.29E-04	.17E-03	.14E-03	.13E-03	.86E-04	.97E-04	.47E-04	.27E-04	.15E-04	.61E-04
3800.	.92E-04	.45E-04	.18E-04	.15E-04	.20E-04	.18E-04	.26E-04	.28E-04	.16E-03	.14E-03	.12E-03	.82E-04	.93E-04	.45E-04	.26E-04	.14E-04	.59E-04
3900.	.85E-04	.44E-04	.17E-04	.14E-04	.20E-04	.17E-04	.25E-04	.27E-04	.15E-03	.13E-03	.12E-03	.79E-04	.89E-04	.43E-04	.24E-04	.14E-04	.56E-04
4000.	.81E-04	.42E-04	.16E-04	.14E-04	.19E-04	.16E-04	.24E-04	.26E-04	.15E-03	.13E-03	.11E-03	.76E-04	.86E-04	.41E-04	.23E-04	.13E-04	.54E-04
4100.	.77E-04	.41E-04	.16E-04	.13E-04	.18E-04	.16E-04	.23E-04	.25E-04	.14E-03	.12E-03	.11E-03	.73E-04	.83E-04	.40E-04	.22E-04	.13E-04	.52E-04
4200.	.73E-04	.39E-04	.15E-04	.13E-04	.18E-04	.15E-04	.22E-04	.24E-04	.14E-03	.12E-03	.11E-03	.71E-04	.80E-04	.38E-04	.21E-04	.12E-04	.50E-04
4300.	.70E-04	.37E-04	.15E-04	.12E-04	.17E-04	.15E-04	.22E-04	.23E-04	.13E-03	.11E-03	.10E-03	.68E-04	.77E-04	.37E-04	.21E-04	.12E-04	.48E-04
4400.	.67E-04	.36E-04	.14E-04	.12E-04	.16E-04	.14E-04	.21E-04	.22E-04	.13E-03	.11E-03	.10E-03	.66E-04	.74E-04	.36E-04	.20E-04	.11E-04	.47E-04
4500.	.65E-04	.35E-04	.14E-04	.11E-04	.16E-04	.14E-04	.20E-04	.21E-04	.12E-03	.11E-03	.97E-04	.64E-04	.72E-04	.34E-04	.19E-04	.11E-04	.45E-04
4600.	.62E-04	.34E-04	.13E-04	.11E-04	.15E-04	.13E-04	.20E-04	.20E-04	.12E-03	.10E-03	.94E-04	.62E-04	.70E-04	.33E-04	.19E-04	.10E-04	.43E-04
4700.	.60E-04	.32E-04	.13E-04	.11E-04	.15E-04	.13E-04	.19E-04	.20E-04	.11E-03	.98E-04	.91E-04	.60E-04	.68E-04	.32E-04	.18E-04	.10E-04	.42E-04
4800.	.58E-04	.31E-04	.13E-04	.10E-04	.14E-04	.13E-04	.18E-04	.19E-04	.11E-03	.95E-04	.88E-04	.58E-04	.66E-04	.31E-04	.18E-04	.98E-05	.41E-04
4900.	.61E-04	.30E-04	.12E-04	.10E-04	.14E-04	.12E-04	.18E-04	.18E-04	.11E-03	.92E-04	.85E-04	.57E-04	.64E-04	.30E-04	.17E-04	.95E-05	.40E-04
5000.	.56E-04	.29E-04	.12E-04	.98E-05	.14E-04	.12E-04	.18E-04	.18E-04	.10E-03	.89E-04	.83E-04	.55E-04	.62E-04	.30E-04	.17E-04	.92E-05	.38E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell East-West(Normal) Orientation

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.46E-04	.25E-04	.11E-04	.86E-05	.12E-04	.11E-04	.16E-04	.15E-04	.86E-04	.76E-04	.73E-04	.48E-04	.54E-04	.26E-04	.15E-04	.81E-05	.33E-04
6000.	.39E-04	.22E-04	.93E-05	.76E-05	.11E-04	.94E-05	.14E-04	.13E-04	.73E-04	.66E-04	.64E-04	.42E-04	.47E-04	.23E-04	.13E-04	.68E-05	.29E-04
6500.	.34E-04	.19E-04	.82E-05	.66E-05	.92E-05	.82E-05	.12E-04	.11E-04	.63E-04	.58E-04	.56E-04	.37E-04	.41E-04	.20E-04	.11E-04	.58E-05	.25E-04
7000.	.29E-04	.16E-04	.71E-05	.58E-05	.81E-05	.71E-05	.10E-04	.10E-04	.55E-04	.51E-04	.49E-04	.32E-04	.36E-04	.18E-04	.10E-04	.51E-05	.22E-04
7500.	.26E-04	.15E-04	.62E-05	.51E-05	.71E-05	.62E-05	.91E-05	.90E-05	.49E-04	.45E-04	.43E-04	.29E-04	.32E-04	.16E-04	.88E-05	.45E-05	.19E-04
8000.	.23E-04	.13E-04	.56E-05	.46E-05	.64E-05	.56E-05	.81E-05	.81E-05	.43E-04	.40E-04	.39E-04	.26E-04	.29E-04	.14E-04	.79E-05	.40E-05	.17E-04
8500.	.21E-04	.12E-04	.51E-05	.42E-05	.58E-05	.51E-05	.73E-05	.74E-05	.39E-04	.37E-04	.35E-04	.23E-04	.26E-04	.13E-04	.73E-05	.37E-05	.16E-04
9000.	.19E-04	.11E-04	.47E-05	.38E-05	.53E-05	.46E-05	.67E-05	.68E-05	.35E-04	.33E-04	.32E-04	.21E-04	.24E-04	.12E-04	.66E-05	.33E-05	.14E-04
9500.	.18E-04	.10E-04	.42E-05	.35E-05	.48E-05	.42E-05	.61E-05	.62E-05	.33E-04	.30E-04	.29E-04	.19E-04	.22E-04	.11E-04	.61E-05	.31E-05	.13E-04
10000.	.16E-04	.91E-05	.39E-05	.32E-05	.44E-05	.38E-05	.55E-05	.57E-05	.30E-04	.28E-04	.27E-04	.18E-04	.20E-04	.97E-05	.55E-05	.28E-05	.12E-04
11000.	.14E-04	.82E-05	.35E-05	.28E-05	.39E-05	.34E-05	.49E-05	.51E-05	.27E-04	.25E-04	.24E-04	.16E-04	.18E-04	.86E-05	.49E-05	.25E-05	.11E-04
12000.	.13E-04	.75E-05	.31E-05	.26E-05	.36E-05	.31E-05	.45E-05	.47E-05	.24E-04	.23E-04	.22E-04	.14E-04	.16E-04	.78E-05	.44E-05	.23E-05	.98E-05
13000.	.12E-04	.69E-05	.29E-05	.24E-05	.33E-05	.29E-05	.42E-05	.43E-05	.22E-04	.21E-04	.20E-04	.13E-04	.15E-04	.72E-05	.40E-05	.21E-05	.90E-05
14000.	.11E-04	.64E-05	.27E-05	.22E-05	.31E-05	.27E-05	.39E-05	.39E-05	.21E-04	.20E-04	.19E-04	.12E-04	.14E-04	.66E-05	.37E-05	.20E-05	.83E-05
15000.	.10E-04	.60E-05	.25E-05	.21E-05	.29E-05	.25E-05	.36E-05	.37E-05	.19E-04	.18E-04	.17E-04	.12E-04	.13E-04	.62E-05	.35E-05	.18E-05	.78E-05
16000.	.97E-05	.56E-05	.24E-05	.20E-05	.27E-05	.24E-05	.35E-05	.34E-05	.18E-04	.17E-04	.16E-04	.11E-04	.12E-04	.59E-05	.33E-05	.17E-05	.73E-05
17000.	.91E-05	.57E-05	.27E-05	.21E-05	.29E-05	.25E-05	.35E-05	.33E-05	.17E-04	.16E-04	.16E-04	.11E-04	.12E-04	.61E-05	.35E-05	.17E-05	.72E-05
18000.	.86E-05	.63E-05	.23E-05	.18E-05	.25E-05	.22E-05	.32E-05	.33E-05	.16E-04	.16E-04	.15E-04	.99E-05	.11E-04	.55E-05	.31E-05	.20E-05	.68E-05
19000.	.82E-05	.50E-05	.20E-05	.16E-05	.23E-05	.20E-05	.29E-05	.29E-05	.15E-04	.14E-04	.14E-04	.92E-05	.10E-04	.49E-05	.28E-05	.16E-05	.62E-05
20000.	.78E-05	.45E-05	.19E-05	.16E-05	.22E-05	.19E-05	.28E-05	.27E-05	.14E-04	.14E-04	.13E-04	.87E-05	.98E-05	.47E-05	.27E-05	.14E-05	.59E-05
21000.	.80E-05	.43E-05	.18E-05	.15E-05	.21E-05	.18E-05	.27E-05	.26E-05	.14E-04	.13E-04	.13E-04	.83E-05	.93E-05	.45E-05	.25E-05	.13E-05	.57E-05
22000.	.74E-05	.41E-05	.17E-05	.14E-05	.20E-05	.17E-05	.26E-05	.25E-05	.13E-04	.12E-04	.12E-04	.79E-05	.89E-05	.43E-05	.24E-05	.12E-05	.54E-05
23000.	.69E-05	.39E-05	.17E-05	.14E-05	.19E-05	.17E-05	.24E-05	.24E-05	.13E-04	.12E-04	.11E-04	.76E-05	.85E-05	.41E-05	.23E-05	.12E-05	.51E-05
24000.	.66E-05	.37E-05	.16E-05	.13E-05	.18E-05	.16E-05	.23E-05	.23E-05	.12E-04	.11E-04	.11E-04	.73E-05	.82E-05	.39E-05	.22E-05	.11E-05	.49E-05
25000.	.63E-05	.35E-05	.15E-05	.13E-05	.17E-05	.15E-05	.22E-05	.22E-05	.12E-04	.11E-04	.11E-04	.70E-05	.78E-05	.38E-05	.21E-05	.11E-05	.47E-05
26000.	.60E-05	.34E-05	.15E-05	.12E-05	.17E-05	.15E-05	.21E-05	.21E-05	.11E-04	.10E-04	.10E-04	.67E-05	.75E-05	.36E-05	.21E-05	.10E-05	.45E-05
27000.	.58E-05	.33E-05	.14E-05	.12E-05	.16E-05	.14E-05	.21E-05	.20E-05	.11E-04	.10E-04	.97E-05	.64E-05	.72E-05	.35E-05	.20E-05	.10E-05	.43E-05
28000.	.55E-05	.32E-05	.14E-05	.11E-05	.15E-05	.14E-05	.20E-05	.19E-05	.10E-04	.97E-05	.94E-05	.62E-05	.70E-05	.33E-05	.19E-05	.97E-06	.42E-05
29000.	.53E-05	.30E-05	.13E-05	.11E-05	.15E-05	.13E-05	.19E-05	.19E-05	.10E-04	.94E-05	.90E-05	.60E-05	.67E-05	.32E-05	.18E-05	.93E-06	.40E-05
30000.	.52E-05	.29E-05	.13E-05	.10E-05	.14E-05	.13E-05	.18E-05	.18E-05	.97E-05	.91E-05	.87E-05	.58E-05	.65E-05	.31E-05	.17E-05	.90E-06	.39E-05
32000.	.48E-05	.28E-05	.12E-05	.97E-06	.13E-05	.12E-05	.17E-05	.17E-05	.91E-05	.85E-05	.81E-05	.54E-05	.61E-05	.29E-05	.16E-05	.85E-06	.36E-05
34000.	.46E-05	.26E-05	.11E-05	.91E-06	.13E-05	.11E-05	.16E-05	.16E-05	.85E-05	.80E-05	.77E-05	.51E-05	.57E-05	.27E-05	.15E-05	.79E-06	.34E-05
36000.	.43E-05	.25E-05	.10E-05	.85E-06	.12E-05	.10E-05	.15E-05	.15E-05	.80E-05	.75E-05	.72E-05	.48E-05	.54E-05	.26E-05	.14E-05	.75E-06	.32E-05
38000.	.41E-05	.23E-05	.98E-06	.81E-06	.11E-05	.97E-06	.14E-05	.14E-05	.76E-05	.71E-05	.68E-05	.45E-05	.51E-05	.24E-05	.13E-05	.71E-06	.30E-05
40000.	.39E-05	.22E-05	.93E-06	.76E-06	.11E-05	.92E-06	.13E-05	.14E-05	.72E-05	.68E-05	.65E-05	.43E-05	.48E-05	.23E-05	.13E-05	.68E-06	.29E-05
42000.	.37E-05	.21E-05	.88E-06	.73E-06	.10E-05	.88E-06	.13E-05	.13E-05	.69E-05	.65E-05	.62E-05	.41E-05	.46E-05	.22E-05	.12E-05	.64E-06	.28E-05
44000.	.35E-05	.20E-05	.84E-06	.69E-06	.96E-06	.84E-06	.12E-05	.12E-05	.66E-05	.62E-05	.59E-05	.39E-05	.44E-05	.21E-05	.12E-05	.61E-06	.26E-05
46000.	.33E-05	.19E-05	.80E-06	.66E-06	.92E-06	.80E-06	.12E-05	.12E-05	.63E-05	.59E-05	.56E-05	.37E-05	.42E-05	.20E-05	.11E-05	.59E-06	.25E-05
48000.	.32E-05	.18E-05	.77E-06	.64E-06	.88E-06	.77E-06	.11E-05	.11E-05	.60E-05	.57E-05	.54E-05	.36E-05	.40E-05	.19E-05	.11E-05	.56E-06	.24E-05
50000.	.32E-05	.18E-05	.74E-06	.61E-06	.85E-06	.74E-06	.11E-05	.11E-05	.59E-05	.54E-05	.52E-05	.34E-05	.39E-05	.18E-05	.10E-05	.54E-06	.23E-05
52000.	.37E-05	.17E-05	.72E-06	.59E-06	.82E-06	.71E-06	.10E-05	.10E-05	.61E-05	.52E-05	.50E-05	.33E-05	.37E-05	.18E-05	.99E-06	.51E-06	.23E-05
54000.	.33E-05	.16E-05	.69E-06	.57E-06	.79E-06	.69E-06	.10E-05	.10E-05	.57E-05	.50E-05	.48E-05	.32E-05	.36E-05	.17E-05	.95E-06	.50E-06	.22E-05
56000.	.31E-05	.16E-05	.67E-06	.55E-06	.76E-06	.66E-06	.97E-06	.97E-06	.54E-05	.48E-05	.46E-05	.31E-05	.35E-05	.16E-05	.92E-06	.48E-06	.21E-05
58000.	.29E-05	.15E-05	.65E-06	.53E-06	.74E-06	.64E-06	.94E-06	.93E-06	.52E-05	.47E-05	.45E-05	.30E-05	.33E-05	.16E-05	.89E-06	.46E-06	.20E-05
60000.	.27E-05	.15E-05	.63E-06	.51E-06	.71E-06	.62E-06	.90E-06	.90E-06	.50E-05	.45E-05	.43E-05	.29E-05	.32E-05	.15E-05	.86E-06	.44E-06	.20E-05
62000.	.27E-05	.14E-05	.61E-06	.50E-06	.69E-06	.60E-06	.88E-06	.88E-06	.48E-05	.44E-05	.42E-05	.28E-05	.31E-05	.15E-05	.83E-06	.43E-06	.19E-05
64000.	.26E-05	.14E-05	.59E-06	.48E-06	.67E-06	.58E-06	.85E-06	.85E-06	.47E-05	.42E-05	.41E-05	.27E-05	.30E-05	.14E-05	.81E-06	.42E-06	.18E-05
66000.	.25E-05	.13E-05	.58E-06	.47E-06	.65E-06	.57E-06	.83E-06	.82E-06	.45E-05	.41E-05	.39E-05	.26E-05	.29E-05	.14E-05	.79E-06	.40E-06	.18E-05
68000.	.24E-05	.13E-05	.56E-06	.46E-06	.63E-06	.55E-06	.80E-06	.80E-06	.44E-05	.40E-05	.38E-05	.25E-05	.29E-05	.14E-05	.77E-06	.39E-06	.17E-05
70000.	.24E-05	.13E-05	.54E-06	.44E-06	.62E-06	.54E-06	.78E-06	.78E-06	.43E-05	.39E-05	.37E-05	.25E-05	.28E-05	.13E-05	.75E-06	.38E-06	.17E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell North-South(Inline) -- No Wake

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.12E-05	.70E-04	.53E-04	.44E-04	.64E-04	.55E-04	.79E-04	.37E-04	.60E-06	.15E-03	.38E-03	.25E-03	.28E-03	.14E-03	.73E-04	.17E-03	.11E-03
200.	.76E-04	.51E-04	.33E-04	.26E-04	.35E-04	.31E-04	.42E-04	.31E-04	.14E-03	.16E-03	.18E-03	.13E-03	.14E-03	.80E-04	.58E-04	.16E-04	.77E-04
300.	.15E-03	.84E-04	.89E-04	.80E-04	.10E-03	.83E-04	.93E-04	.57E-04	.17E-03	.12E-03	.40E-03	.28E-03	.32E-03	.25E-03	.18E-03	.42E-04	.16E-03
400.	.22E-04	.14E-04	.13E-03	.11E-03	.14E-03	.12E-03	.16E-03	.81E-05	.34E-04	.40E-04	.77E-03	.50E-03	.60E-03	.37E-03	.22E-03	.82E-05	.20E-03
500.	.17E-03	.11E-03	.24E-03	.19E-03	.27E-03	.26E-03	.37E-03	.31E-04	.85E-04	.86E-04	.14E-02	.89E-03	.92E-03	.52E-03	.33E-03	.45E-04	.37E-03
600.	.13E-04	.88E-05	.23E-03	.18E-03	.26E-03	.23E-03	.33E-03	.57E-05	.17E-04	.18E-04	.14E-02	.97E-03	.11E-02	.63E-03	.38E-03	.71E-05	.36E-03
700.	.41E-04	.48E-04	.22E-03	.17E-03	.24E-03	.21E-03	.29E-03	.37E-04	.42E-04	.73E-04	.14E-02	.91E-03	.10E-02	.52E-03	.29E-03	.27E-04	.34E-03
800.	.49E-04	.46E-04	.19E-03	.15E-03	.22E-03	.19E-03	.28E-03	.15E-04	.44E-04	.62E-04	.13E-02	.88E-03	.97E-03	.51E-03	.29E-03	.18E-04	.33E-03
900.	.37E-04	.26E-04	.18E-03	.14E-03	.21E-03	.18E-03	.26E-03	.15E-04	.66E-04	.77E-04	.12E-02	.82E-03	.90E-03	.46E-03	.25E-03	.97E-05	.30E-03
1000.	.65E-04	.38E-04	.17E-03	.14E-03	.21E-03	.18E-03	.27E-03	.24E-04	.11E-03	.12E-03	.12E-02	.78E-03	.85E-03	.43E-03	.24E-03	.12E-04	.30E-03
1100.	.79E-04	.52E-04	.16E-03	.13E-03	.18E-03	.16E-03	.23E-03	.33E-04	.14E-03	.16E-03	.11E-02	.71E-03	.78E-03	.40E-03	.22E-03	.16E-04	.28E-03
1200.	.99E-04	.68E-04	.14E-03	.11E-03	.16E-03	.14E-03	.20E-03	.42E-04	.17E-03	.19E-03	.96E-03	.64E-03	.70E-03	.36E-03	.20E-03	.26E-04	.26E-03
1300.	.12E-03	.87E-04	.13E-03	.10E-03	.15E-03	.13E-03	.18E-03	.50E-04	.20E-03	.22E-03	.88E-03	.58E-03	.64E-03	.33E-03	.18E-03	.33E-04	.25E-03
1400.	.15E-03	.10E-03	.12E-03	.96E-04	.14E-03	.12E-03	.17E-03	.54E-04	.21E-03	.25E-03	.80E-03	.54E-03	.59E-03	.30E-03	.16E-03	.34E-04	.24E-03
1500.	.13E-03	.94E-04	.10E-03	.82E-04	.12E-03	.10E-03	.15E-03	.63E-04	.23E-03	.26E-03	.72E-03	.48E-03	.52E-03	.26E-03	.14E-03	.33E-04	.22E-03
1600.	.14E-03	.81E-04	.93E-04	.75E-04	.11E-03	.95E-04	.14E-03	.51E-04	.25E-03	.25E-03	.66E-03	.44E-03	.48E-03	.24E-03	.13E-03	.25E-04	.20E-03
1700.	.13E-03	.80E-04	.88E-04	.70E-04	.10E-03	.89E-04	.13E-03	.49E-04	.22E-03	.25E-03	.61E-03	.40E-03	.44E-03	.22E-03	.12E-03	.24E-04	.19E-03
1800.	.12E-03	.80E-04	.83E-04	.66E-04	.98E-04	.85E-04	.12E-03	.49E-04	.22E-03	.25E-03	.57E-03	.38E-03	.42E-03	.21E-03	.12E-03	.24E-04	.18E-03
1900.	.12E-03	.80E-04	.78E-04	.63E-04	.92E-04	.81E-04	.12E-03	.49E-04	.22E-03	.24E-03	.54E-03	.36E-03	.39E-03	.20E-03	.11E-03	.24E-04	.17E-03
2000.	.12E-03	.81E-04	.73E-04	.58E-04	.86E-04	.75E-04	.11E-03	.48E-04	.22E-03	.24E-03	.50E-03	.33E-03	.36E-03	.19E-03	.10E-03	.25E-04	.16E-03
2100.	.13E-03	.83E-04	.68E-04	.54E-04	.80E-04	.70E-04	.10E-03	.48E-04	.21E-03	.24E-03	.46E-03	.31E-03	.34E-03	.17E-03	.98E-04	.27E-04	.16E-03
2200.	.12E-03	.78E-04	.65E-04	.51E-04	.75E-04	.65E-04	.93E-04	.46E-04	.21E-03	.23E-03	.43E-03	.29E-03	.31E-03	.16E-03	.91E-04	.25E-04	.15E-03
2300.	.11E-03	.72E-04	.58E-04	.46E-04	.68E-04	.59E-04	.84E-04	.44E-04	.20E-03	.22E-03	.40E-03	.27E-03	.29E-03	.15E-03	.82E-04	.22E-04	.14E-03
2400.	.11E-03	.69E-04	.52E-04	.42E-04	.62E-04	.53E-04	.77E-04	.42E-04	.19E-03	.21E-03	.37E-03	.24E-03	.27E-03	.13E-03	.73E-04	.21E-04	.13E-03
2500.	.10E-03	.67E-04	.48E-04	.39E-04	.58E-04	.49E-04	.72E-04	.41E-04	.19E-03	.20E-03	.34E-03	.23E-03	.25E-03	.12E-03	.67E-04	.20E-04	.12E-03
2600.	.99E-04	.65E-04	.45E-04	.36E-04	.54E-04	.46E-04	.67E-04	.41E-04	.18E-03	.20E-03	.32E-03	.21E-03	.23E-03	.12E-03	.63E-04	.20E-04	.11E-03
2700.	.97E-04	.64E-04	.43E-04	.34E-04	.51E-04	.43E-04	.63E-04	.40E-04	.17E-03	.19E-03	.30E-03	.20E-03	.22E-03	.11E-03	.59E-04	.20E-04	.11E-03
2800.	.95E-04	.62E-04	.40E-04	.32E-04	.48E-04	.41E-04	.59E-04	.39E-04	.17E-03	.19E-03	.28E-03	.19E-03	.21E-03	.10E-03	.55E-04	.19E-04	.10E-03
2900.	.92E-04	.60E-04	.38E-04	.30E-04	.45E-04	.39E-04	.56E-04	.37E-04	.16E-03	.18E-03	.27E-03	.18E-03	.19E-03	.97E-04	.52E-04	.18E-04	.97E-04
3000.	.90E-04	.57E-04	.36E-04	.29E-04	.43E-04	.36E-04	.53E-04	.35E-04	.16E-03	.17E-03	.25E-03	.17E-03	.18E-03	.91E-04	.49E-04	.17E-04	.92E-04
3100.	.87E-04	.54E-04	.34E-04	.27E-04	.40E-04	.34E-04	.50E-04	.33E-04	.15E-03	.16E-03	.24E-03	.16E-03	.17E-03	.87E-04	.47E-04	.16E-04	.87E-04
3200.	.84E-04	.52E-04	.32E-04	.26E-04	.38E-04	.33E-04	.48E-04	.32E-04	.15E-03	.16E-03	.23E-03	.15E-03	.17E-03	.82E-04	.44E-04	.16E-04	.83E-04
3300.	.80E-04	.51E-04	.31E-04	.25E-04	.37E-04	.31E-04	.46E-04	.30E-04	.14E-03	.15E-03	.22E-03	.14E-03	.16E-03	.79E-04	.43E-04	.16E-04	.80E-04
3400.	.78E-04	.50E-04	.29E-04	.24E-04	.35E-04	.30E-04	.43E-04	.30E-04	.13E-03	.15E-03	.21E-03	.14E-03	.15E-03	.75E-04	.41E-04	.15E-04	.76E-04
3500.	.75E-04	.48E-04	.28E-04	.23E-04	.33E-04	.28E-04	.41E-04	.28E-04	.13E-03	.14E-03	.20E-03	.13E-03	.14E-03	.72E-04	.39E-04	.15E-04	.73E-04
3600.	.71E-04	.46E-04	.27E-04	.22E-04	.32E-04	.27E-04	.40E-04	.27E-04	.12E-03	.14E-03	.19E-03	.13E-03	.14E-03	.69E-04	.38E-04	.14E-04	.70E-04
3700.	.67E-04	.43E-04	.26E-04	.21E-04	.31E-04	.26E-04	.38E-04	.26E-04	.12E-03	.13E-03	.18E-03	.12E-03	.13E-03	.66E-04	.36E-04	.13E-04	.67E-04
3800.	.64E-04	.41E-04	.25E-04	.20E-04	.29E-04	.25E-04	.36E-04	.25E-04	.11E-03	.13E-03	.17E-03	.11E-03	.13E-03	.64E-04	.35E-04	.13E-04	.64E-04
3900.	.62E-04	.39E-04	.24E-04	.19E-04	.28E-04	.24E-04	.35E-04	.24E-04	.11E-03	.12E-03	.17E-03	.11E-03	.12E-03	.61E-04	.34E-04	.12E-04	.62E-04
4000.	.59E-04	.38E-04	.23E-04	.18E-04	.27E-04	.23E-04	.34E-04	.23E-04	.11E-03	.12E-03	.16E-03	.11E-03	.12E-03	.59E-04	.33E-04	.12E-04	.60E-04
4100.	.57E-04	.37E-04	.22E-04	.18E-04	.26E-04	.23E-04	.33E-04	.22E-04	.10E-03	.11E-03	.15E-03	.10E-03	.11E-03	.57E-04	.32E-04	.11E-04	.57E-04
4200.	.55E-04	.35E-04	.22E-04	.17E-04	.25E-04	.22E-04	.32E-04	.22E-04	.99E-04	.11E-03	.15E-03	.99E-04	.11E-03	.55E-04	.31E-04	.11E-04	.55E-04
4300.	.53E-04	.34E-04	.21E-04	.17E-04	.24E-04	.21E-04	.31E-04	.21E-04	.96E-04	.10E-03	.14E-03	.95E-04	.10E-03	.53E-04	.30E-04	.11E-04	.54E-04
4400.	.51E-04	.33E-04	.20E-04	.16E-04	.24E-04	.20E-04	.30E-04	.20E-04	.93E-04	.10E-03	.14E-03	.92E-04	.10E-03	.52E-04	.29E-04	.10E-04	.52E-04
4500.	.50E-04	.32E-04	.20E-04	.16E-04	.23E-04	.20E-04	.29E-04	.20E-04	.90E-04	.98E-04	.13E-03	.89E-04	.97E-04	.50E-04	.28E-04	.10E-04	.50E-04
4600.	.48E-04	.31E-04	.19E-04	.15E-04	.22E-04	.19E-04	.28E-04	.19E-04	.87E-04	.95E-04	.13E-03	.86E-04	.93E-04	.48E-04	.27E-04	.97E-05	.48E-04
4700.	.47E-04	.30E-04	.18E-04	.15E-04	.21E-04	.19E-04	.27E-04	.19E-04	.84E-04	.92E-04	.12E-03	.83E-04	.90E-04	.47E-04	.26E-04	.94E-05	.47E-04
4800.	.45E-04	.29E-04	.18E-04	.14E-04	.21E-04	.18E-04	.26E-04	.18E-04	.81E-04	.89E-04	.12E-03	.80E-04	.87E-04	.45E-04	.26E-04	.91E-05	.45E-04
4900.	.44E-04	.28E-04	.17E-04	.14E-04	.20E-04	.17E-04	.25E-04	.18E-04	.79E-04	.87E-04	.11E-03	.77E-04	.84E-04	.44E-04	.25E-04	.88E-05	.44E-04
5000.	.43E-04	.28E-04	.16E-04	.13E-04	.19E-04	.17E-04	.24E-04	.17E-04	.77E-04	.84E-04	.11E-03	.74E-04	.81E-04	.42E-04	.24E-04	.86E-05	.42E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT -- Baseline with 6-cell North-South(Inline) -- No Wake

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.37E-04	.24E-04	.14E-04	.11E-04	.16E-04	.14E-04	.20E-04	.15E-04	.67E-04	.73E-04	.94E-04	.63E-04	.69E-04	.35E-04	.20E-04	.75E-05	.36E-04
6000.	.33E-04	.21E-04	.12E-04	.93E-05	.14E-04	.12E-04	.17E-04	.13E-04	.59E-04	.63E-04	.79E-04	.53E-04	.58E-04	.29E-04	.16E-04	.64E-05	.31E-04
6500.	.29E-04	.18E-04	.99E-05	.79E-05	.12E-04	.10E-04	.15E-04	.11E-04	.51E-04	.55E-04	.68E-04	.46E-04	.50E-04	.25E-04	.14E-04	.55E-05	.27E-04
7000.	.25E-04	.16E-04	.86E-05	.69E-05	.10E-04	.88E-05	.13E-04	.98E-05	.45E-04	.49E-04	.60E-04	.40E-04	.44E-04	.22E-04	.12E-04	.49E-05	.23E-04
7500.	.22E-04	.14E-04	.75E-05	.60E-05	.89E-05	.77E-05	.11E-04	.87E-05	.40E-04	.43E-04	.53E-04	.35E-04	.38E-04	.19E-04	.11E-04	.44E-05	.21E-04
8000.	.20E-04	.13E-04	.67E-05	.54E-05	.79E-05	.68E-05	.99E-05	.78E-05	.36E-04	.39E-04	.47E-04	.31E-04	.34E-04	.17E-04	.94E-05	.40E-05	.18E-04
8500.	.18E-04	.12E-04	.60E-05	.48E-05	.71E-05	.61E-05	.89E-05	.71E-05	.32E-04	.35E-04	.42E-04	.28E-04	.31E-04	.15E-04	.84E-05	.36E-05	.17E-04
9000.	.17E-04	.11E-04	.54E-05	.43E-05	.64E-05	.55E-05	.80E-05	.64E-05	.29E-04	.32E-04	.38E-04	.25E-04	.28E-04	.14E-04	.76E-05	.33E-05	.15E-04
9500.	.15E-04	.97E-05	.52E-05	.44E-05	.59E-05	.52E-05	.76E-05	.58E-05	.27E-04	.29E-04	.36E-04	.24E-04	.27E-04	.13E-04	.75E-05	.30E-05	.14E-04
10000.	.14E-04	.88E-05	.46E-05	.37E-05	.54E-05	.46E-05	.68E-05	.53E-05	.24E-04	.27E-04	.32E-04	.21E-04	.24E-04	.12E-04	.65E-05	.27E-05	.13E-04
11000.	.12E-04	.78E-05	.41E-05	.33E-05	.48E-05	.42E-05	.61E-05	.48E-05	.22E-04	.24E-04	.29E-04	.19E-04	.21E-04	.11E-04	.58E-05	.24E-05	.11E-04
12000.	.11E-04	.71E-05	.38E-05	.30E-05	.45E-05	.38E-05	.56E-05	.44E-05	.20E-04	.22E-04	.26E-04	.18E-04	.19E-04	.97E-05	.53E-05	.22E-05	.10E-04
13000.	.10E-04	.66E-05	.35E-05	.28E-05	.41E-05	.35E-05	.52E-05	.40E-05	.19E-04	.20E-04	.24E-04	.16E-04	.18E-04	.90E-05	.49E-05	.20E-05	.96E-05
14000.	.96E-05	.61E-05	.32E-05	.26E-05	.38E-05	.33E-05	.48E-05	.38E-05	.17E-04	.19E-04	.23E-04	.15E-04	.17E-04	.83E-05	.46E-05	.19E-05	.89E-05
15000.	.90E-05	.57E-05	.30E-05	.24E-05	.36E-05	.31E-05	.45E-05	.35E-05	.16E-04	.18E-04	.21E-04	.14E-04	.15E-04	.78E-05	.43E-05	.18E-05	.83E-05
16000.	.84E-05	.54E-05	.29E-05	.23E-05	.34E-05	.29E-05	.42E-05	.33E-05	.15E-04	.16E-04	.20E-04	.13E-04	.14E-04	.73E-05	.41E-05	.16E-05	.78E-05
17000.	.79E-05	.51E-05	.27E-05	.22E-05	.32E-05	.27E-05	.40E-05	.31E-05	.14E-04	.15E-04	.19E-04	.12E-04	.14E-04	.69E-05	.38E-05	.15E-05	.73E-05
18000.	.75E-05	.48E-05	.26E-05	.20E-05	.30E-05	.26E-05	.38E-05	.30E-05	.13E-04	.15E-04	.18E-04	.12E-04	.13E-04	.66E-05	.36E-05	.15E-05	.70E-05
19000.	.71E-05	.45E-05	.25E-05	.20E-05	.29E-05	.25E-05	.36E-05	.28E-05	.13E-04	.14E-04	.17E-04	.11E-04	.12E-04	.63E-05	.35E-05	.14E-05	.66E-05
20000.	.68E-05	.43E-05	.26E-05	.20E-05	.29E-05	.25E-05	.36E-05	.27E-05	.12E-04	.13E-04	.16E-04	.11E-04	.12E-04	.64E-05	.36E-05	.13E-05	.65E-05
21000.	.65E-05	.41E-05	.24E-05	.20E-05	.27E-05	.24E-05	.35E-05	.26E-05	.12E-04	.13E-04	.16E-04	.11E-04	.12E-04	.59E-05	.35E-05	.13E-05	.63E-05
22000.	.62E-05	.39E-05	.22E-05	.18E-05	.25E-05	.22E-05	.32E-05	.24E-05	.11E-04	.12E-04	.15E-04	.99E-05	.11E-04	.55E-05	.31E-05	.12E-05	.58E-05
23000.	.59E-05	.38E-05	.21E-05	.17E-05	.24E-05	.21E-05	.30E-05	.23E-05	.11E-04	.11E-04	.14E-04	.94E-05	.10E-04	.52E-05	.29E-05	.12E-05	.55E-05
24000.	.57E-05	.36E-05	.20E-05	.16E-05	.23E-05	.20E-05	.29E-05	.22E-05	.10E-04	.11E-04	.13E-04	.90E-05	.99E-05	.50E-05	.28E-05	.11E-05	.53E-05
25000.	.54E-05	.34E-05	.19E-05	.15E-05	.22E-05	.19E-05	.28E-05	.21E-05	.97E-05	.11E-04	.13E-04	.86E-05	.95E-05	.48E-05	.27E-05	.11E-05	.51E-05
26000.	.52E-05	.33E-05	.18E-05	.15E-05	.21E-05	.18E-05	.27E-05	.20E-05	.93E-05	.10E-04	.12E-04	.83E-05	.91E-05	.46E-05	.26E-05	.10E-05	.49E-05
27000.	.50E-05	.32E-05	.17E-05	.14E-05	.20E-05	.18E-05	.26E-05	.20E-05	.90E-05	.97E-05	.12E-04	.80E-05	.87E-05	.44E-05	.25E-05	.97E-06	.47E-05
28000.	.48E-05	.31E-05	.17E-05	.13E-05	.20E-05	.17E-05	.25E-05	.19E-05	.86E-05	.94E-05	.11E-04	.77E-05	.84E-05	.42E-05	.24E-05	.93E-06	.45E-05
29000.	.47E-05	.30E-05	.16E-05	.13E-05	.19E-05	.16E-05	.24E-05	.18E-05	.83E-05	.90E-05	.11E-04	.74E-05	.81E-05	.41E-05	.23E-05	.90E-06	.43E-05
30000.	.45E-05	.29E-05	.15E-05	.12E-05	.18E-05	.16E-05	.23E-05	.17E-05	.80E-05	.87E-05	.11E-04	.71E-05	.78E-05	.39E-05	.22E-05	.87E-06	.42E-05
32000.	.42E-05	.27E-05	.14E-05	.12E-05	.17E-05	.15E-05	.21E-05	.16E-05	.75E-05	.82E-05	.10E-04	.66E-05	.73E-05	.37E-05	.20E-05	.82E-06	.39E-05
34000.	.39E-05	.25E-05	.14E-05	.11E-05	.16E-05	.14E-05	.20E-05	.15E-05	.71E-05	.77E-05	.93E-05	.62E-05	.68E-05	.34E-05	.19E-05	.77E-06	.37E-05
36000.	.37E-05	.24E-05	.13E-05	.10E-05	.15E-05	.13E-05	.19E-05	.15E-05	.67E-05	.73E-05	.88E-05	.59E-05	.64E-05	.32E-05	.18E-05	.73E-06	.35E-05
38000.	.35E-05	.23E-05	.12E-05	.96E-06	.14E-05	.12E-05	.18E-05	.14E-05	.63E-05	.69E-05	.83E-05	.55E-05	.61E-05	.30E-05	.17E-05	.69E-06	.33E-05
40000.	.33E-05	.21E-05	.11E-05	.91E-06	.13E-05	.11E-05	.17E-05	.13E-05	.60E-05	.65E-05	.79E-05	.52E-05	.58E-05	.29E-05	.16E-05	.65E-06	.31E-05
42000.	.32E-05	.20E-05	.11E-05	.86E-06	.13E-05	.11E-05	.16E-05	.12E-05	.57E-05	.62E-05	.75E-05	.50E-05	.55E-05	.27E-05	.15E-05	.62E-06	.29E-05
44000.	.30E-05	.19E-05	.10E-05	.82E-06	.12E-05	.10E-05	.15E-05	.12E-05	.54E-05	.59E-05	.71E-05	.47E-05	.52E-05	.26E-05	.14E-05	.59E-06	.28E-05
46000.	.29E-05	.18E-05	.97E-06	.78E-06	.11E-05	.98E-06	.14E-05	.11E-05	.52E-05	.57E-05	.68E-05	.45E-05	.50E-05	.25E-05	.13E-05	.56E-06	.27E-05
48000.	.28E-05	.18E-05	.93E-06	.75E-06	.11E-05	.94E-06	.14E-05	.11E-05	.50E-05	.54E-05	.65E-05	.43E-05	.48E-05	.24E-05	.13E-05	.54E-06	.26E-05
50000.	.27E-05	.17E-05	.90E-06	.72E-06	.11E-05	.90E-06	.13E-05	.10E-05	.48E-05	.52E-05	.63E-05	.42E-05	.46E-05	.23E-05	.12E-05	.52E-06	.25E-05
52000.	.26E-05	.16E-05	.96E-06	.83E-06	.10E-05	.93E-06	.14E-05	.10E-05	.46E-05	.50E-05	.67E-05	.43E-05	.51E-05	.23E-05	.14E-05	.50E-06	.25E-05
54000.	.25E-05	.16E-05	.89E-06	.75E-06	.99E-06	.87E-06	.13E-05	.97E-06	.44E-05	.48E-05	.62E-05	.40E-05	.47E-05	.22E-05	.12E-05	.48E-06	.24E-05
56000.	.24E-05	.15E-05	.84E-06	.70E-06	.95E-06	.83E-06	.12E-05	.93E-06	.43E-05	.47E-05	.59E-05	.38E-05	.44E-05	.21E-05	.12E-05	.46E-06	.23E-05
58000.	.23E-05	.15E-05	.80E-06	.66E-06	.91E-06	.79E-06	.12E-05	.90E-06	.41E-05	.45E-05	.56E-05	.37E-05	.42E-05	.20E-05	.11E-05	.44E-06	.22E-05
60000.	.22E-05	.14E-05	.77E-06	.63E-06	.88E-06	.76E-06	.11E-05	.87E-06	.40E-05	.44E-05	.54E-05	.35E-05	.40E-05	.19E-05	.11E-05	.43E-06	.21E-05
62000.	.22E-05	.14E-05	.74E-06	.61E-06	.85E-06	.74E-06	.11E-05	.84E-06	.39E-05	.42E-05	.52E-05	.34E-05	.39E-05	.18E-05	.10E-05	.42E-06	.20E-05
64000.	.21E-05	.13E-05	.72E-06	.59E-06	.82E-06	.72E-06	.10E-05	.82E-06	.38E-05	.41E-05	.50E-05	.33E-05	.37E-05	.18E-05	.10E-05	.40E-06	.20E-05
66000.	.20E-05	.13E-05	.70E-06	.57E-06	.80E-06	.69E-06	.10E-05	.79E-06	.36E-05	.40E-05	.49E-05	.32E-05	.36E-05	.17E-05	.97E-06	.39E-06	.19E-05
68000.	.20E-05	.13E-05	.68E-06	.56E-06	.77E-06	.67E-06	.98E-06	.77E-06	.35E-05	.38E-05	.47E-05	.31E-05	.35E-05	.17E-05	.94E-06	.38E-06	.18E-05
70000.	.19E-05	.12E-05	.66E-06	.54E-06	.75E-06	.65E-06	.95E-06	.75E-06	.34E-05	.37E-05	.46E-05	.30E-05	.34E-05	.16E-05	.91E-06	.37E-06	.18E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - Eff. Source

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.18E-02	.11E-03	.37E-04	.30E-04	.43E-04	.37E-04	.53E-04	.68E-04	.12E-02	.34E-03	.27E-03	.18E-03	.19E-03	.95E-04	.52E-04	.32E-04	.29E-03
200.	.17E-02	.72E-04	.22E-04	.18E-04	.27E-04	.24E-04	.38E-04	.36E-04	.22E-02	.16E-03	.14E-03	.99E-04	.11E-03	.54E-04	.33E-04	.28E-04	.30E-03
300.	.29E-03	.12E-03	.28E-04	.22E-04	.31E-04	.27E-04	.40E-04	.84E-04	.55E-03	.32E-03	.20E-03	.13E-03	.15E-03	.78E-04	.44E-04	.45E-04	.13E-03
400.	.61E-03	.34E-03	.76E-04	.60E-04	.87E-04	.76E-04	.11E-03	.19E-03	.11E-02	.84E-03	.54E-03	.36E-03	.39E-03	.19E-03	.11E-03	.14E-03	.33E-03
500.	.12E-02	.59E-03	.15E-03	.12E-03	.17E-03	.15E-03	.22E-03	.43E-03	.19E-02	.15E-02	.94E-03	.66E-03	.70E-03	.38E-03	.23E-03	.28E-03	.60E-03
600.	.90E-03	.44E-03	.19E-03	.15E-03	.21E-03	.19E-03	.28E-03	.26E-03	.16E-02	.13E-02	.12E-02	.81E-03	.87E-03	.46E-03	.28E-03	.13E-03	.58E-03
700.	.87E-03	.56E-03	.18E-03	.14E-03	.20E-03	.18E-03	.26E-03	.38E-03	.16E-02	.15E-02	.12E-02	.80E-03	.88E-03	.44E-03	.25E-03	.20E-03	.60E-03
800.	.81E-03	.45E-03	.18E-03	.13E-03	.19E-03	.17E-03	.24E-03	.26E-03	.15E-02	.13E-02	.12E-02	.79E-03	.88E-03	.46E-03	.27E-03	.13E-03	.56E-03
900.	.79E-03	.41E-03	.19E-03	.15E-03	.22E-03	.20E-03	.29E-03	.26E-03	.14E-02	.12E-02	.12E-02	.82E-03	.87E-03	.44E-03	.27E-03	.13E-03	.56E-03
1000.	.67E-03	.38E-03	.15E-03	.12E-03	.17E-03	.15E-03	.22E-03	.24E-03	.12E-02	.11E-02	.10E-02	.69E-03	.76E-03	.37E-03	.21E-03	.12E-03	.48E-03
1100.	.59E-03	.34E-03	.14E-03	.11E-03	.16E-03	.14E-03	.20E-03	.21E-03	.11E-02	.10E-02	.96E-03	.64E-03	.71E-03	.34E-03	.19E-03	.10E-03	.43E-03
1200.	.54E-03	.33E-03	.13E-03	.11E-03	.15E-03	.13E-03	.19E-03	.19E-03	.97E-03	.96E-03	.90E-03	.60E-03	.66E-03	.32E-03	.18E-03	.11E-03	.41E-03
1300.	.49E-03	.29E-03	.12E-03	.98E-04	.14E-03	.12E-03	.17E-03	.18E-03	.88E-03	.86E-03	.82E-03	.55E-03	.61E-03	.30E-03	.17E-03	.86E-04	.37E-03
1400.	.45E-03	.27E-03	.11E-03	.87E-04	.12E-03	.11E-03	.15E-03	.17E-03	.81E-03	.81E-03	.75E-03	.49E-03	.55E-03	.27E-03	.15E-03	.86E-04	.34E-03
1500.	.43E-03	.25E-03	.10E-03	.81E-04	.11E-03	.99E-04	.14E-03	.15E-03	.75E-03	.73E-03	.70E-03	.47E-03	.53E-03	.27E-03	.15E-03	.76E-04	.32E-03
1600.	.38E-03	.22E-03	.90E-04	.74E-04	.10E-03	.90E-04	.13E-03	.13E-03	.68E-03	.67E-03	.63E-03	.42E-03	.47E-03	.23E-03	.13E-03	.70E-04	.28E-03
1700.	.34E-03	.21E-03	.90E-04	.72E-04	.10E-03	.87E-04	.12E-03	.12E-03	.62E-03	.62E-03	.59E-03	.40E-03	.44E-03	.22E-03	.12E-03	.64E-04	.26E-03
1800.	.31E-03	.18E-03	.79E-04	.64E-04	.90E-04	.79E-04	.11E-03	.11E-03	.56E-03	.56E-03	.55E-03	.36E-03	.41E-03	.20E-03	.11E-03	.54E-04	.24E-03
1900.	.28E-03	.17E-03	.75E-04	.61E-04	.85E-04	.75E-04	.11E-03	.10E-03	.51E-03	.52E-03	.51E-03	.34E-03	.38E-03	.18E-03	.10E-03	.50E-04	.22E-03
2000.	.26E-03	.16E-03	.72E-04	.59E-04	.83E-04	.74E-04	.11E-03	.97E-04	.48E-03	.48E-03	.49E-03	.32E-03	.36E-03	.18E-03	.10E-03	.48E-04	.21E-03
2100.	.25E-03	.15E-03	.68E-04	.54E-04	.76E-04	.67E-04	.98E-04	.90E-04	.44E-03	.45E-03	.45E-03	.30E-03	.33E-03	.17E-03	.97E-04	.45E-04	.20E-03
2200.	.23E-03	.14E-03	.60E-04	.49E-04	.69E-04	.61E-04	.88E-04	.85E-04	.41E-03	.42E-03	.42E-03	.28E-03	.31E-03	.15E-03	.90E-04	.42E-04	.18E-03
2300.	.22E-03	.13E-03	.54E-04	.45E-04	.62E-04	.54E-04	.79E-04	.80E-04	.38E-03	.39E-03	.38E-03	.25E-03	.28E-03	.14E-03	.76E-04	.39E-04	.17E-03
2400.	.20E-03	.12E-03	.54E-04	.43E-04	.60E-04	.52E-04	.75E-04	.76E-04	.36E-03	.37E-03	.36E-03	.24E-03	.27E-03	.13E-03	.73E-04	.39E-04	.16E-03
2500.	.19E-03	.12E-03	.48E-04	.39E-04	.55E-04	.47E-04	.69E-04	.73E-04	.33E-03	.35E-03	.33E-03	.22E-03	.25E-03	.12E-03	.65E-04	.38E-04	.15E-03
2600.	.17E-03	.11E-03	.44E-04	.37E-04	.51E-04	.44E-04	.65E-04	.69E-04	.31E-03	.33E-03	.31E-03	.21E-03	.23E-03	.11E-03	.61E-04	.36E-04	.14E-03
2700.	.17E-03	.10E-03	.42E-04	.35E-04	.48E-04	.42E-04	.61E-04	.64E-04	.30E-03	.31E-03	.30E-03	.20E-03	.22E-03	.11E-03	.59E-04	.33E-04	.13E-03
2800.	.16E-03	.96E-04	.40E-04	.33E-04	.46E-04	.40E-04	.58E-04	.60E-04	.28E-03	.29E-03	.28E-03	.19E-03	.21E-03	.10E-03	.57E-04	.30E-04	.12E-03
2900.	.15E-03	.90E-04	.38E-04	.31E-04	.44E-04	.38E-04	.55E-04	.56E-04	.27E-03	.27E-03	.27E-03	.18E-03	.20E-03	.96E-04	.54E-04	.28E-04	.12E-03
3000.	.14E-03	.84E-04	.37E-04	.30E-04	.41E-04	.36E-04	.52E-04	.52E-04	.25E-03	.26E-03	.25E-03	.17E-03	.19E-03	.90E-04	.51E-04	.26E-04	.11E-03
3100.	.13E-03	.79E-04	.34E-04	.28E-04	.39E-04	.34E-04	.50E-04	.49E-04	.24E-03	.24E-03	.24E-03	.16E-03	.18E-03	.86E-04	.48E-04	.24E-04	.10E-03
3200.	.13E-03	.75E-04	.33E-04	.27E-04	.38E-04	.33E-04	.48E-04	.46E-04	.23E-03	.23E-03	.23E-03	.15E-03	.17E-03	.83E-04	.47E-04	.23E-04	.99E-04
3300.	.12E-03	.72E-04	.32E-04	.26E-04	.36E-04	.32E-04	.46E-04	.44E-04	.22E-03	.22E-03	.22E-03	.15E-03	.16E-03	.80E-04	.46E-04	.22E-04	.95E-04
3400.	.12E-03	.68E-04	.31E-04	.25E-04	.35E-04	.31E-04	.44E-04	.42E-04	.21E-03	.21E-03	.21E-03	.14E-03	.16E-03	.76E-04	.44E-04	.21E-04	.91E-04
3500.	.11E-03	.65E-04	.30E-04	.24E-04	.34E-04	.30E-04	.43E-04	.40E-04	.20E-03	.20E-03	.20E-03	.13E-03	.15E-03	.73E-04	.42E-04	.20E-04	.87E-04
3600.	.11E-03	.62E-04	.28E-04	.23E-04	.32E-04	.28E-04	.41E-04	.38E-04	.19E-03	.19E-03	.19E-03	.13E-03	.14E-03	.70E-04	.40E-04	.19E-04	.83E-04
3700.	.10E-03	.59E-04	.27E-04	.22E-04	.31E-04	.27E-04	.39E-04	.36E-04	.18E-03	.18E-03	.18E-03	.12E-03	.14E-03	.66E-04	.38E-04	.18E-04	.79E-04
3800.	.96E-04	.57E-04	.26E-04	.21E-04	.29E-04	.26E-04	.38E-04	.35E-04	.17E-03	.17E-03	.17E-03	.12E-03	.13E-03	.63E-04	.36E-04	.17E-04	.75E-04
3900.	.91E-04	.55E-04	.24E-04	.20E-04	.28E-04	.25E-04	.36E-04	.33E-04	.16E-03	.17E-03	.17E-03	.11E-03	.12E-03	.60E-04	.34E-04	.17E-04	.72E-04
4000.	.87E-04	.53E-04	.23E-04	.19E-04	.27E-04	.24E-04	.35E-04	.32E-04	.15E-03	.16E-03	.16E-03	.11E-03	.12E-03	.57E-04	.33E-04	.16E-04	.69E-04
4100.	.84E-04	.51E-04	.22E-04	.18E-04	.25E-04	.23E-04	.33E-04	.31E-04	.15E-03	.15E-03	.15E-03	.10E-03	.11E-03	.55E-04	.31E-04	.16E-04	.66E-04
4200.	.81E-04	.49E-04	.21E-04	.17E-04	.24E-04	.22E-04	.31E-04	.30E-04	.14E-03	.15E-03	.15E-03	.97E-04	.11E-03	.52E-04	.30E-04	.15E-04	.63E-04
4300.	.78E-04	.47E-04	.20E-04	.17E-04	.23E-04	.21E-04	.30E-04	.29E-04	.14E-03	.14E-03	.14E-03	.93E-04	.10E-03	.50E-04	.28E-04	.15E-04	.61E-04
4400.	.75E-04	.45E-04	.19E-04	.16E-04	.22E-04	.20E-04	.29E-04	.28E-04	.13E-03	.14E-03	.13E-03	.89E-04	.99E-04	.48E-04	.27E-04	.14E-04	.58E-04
4500.	.72E-04	.44E-04	.19E-04	.15E-04	.21E-04	.19E-04	.27E-04	.27E-04	.13E-03	.13E-03	.13E-03	.85E-04	.95E-04	.46E-04	.26E-04	.14E-04	.56E-04
4600.	.69E-04	.42E-04	.18E-04	.15E-04	.20E-04	.18E-04	.26E-04	.26E-04	.12E-03	.13E-03	.12E-03	.82E-04	.92E-04	.44E-04	.25E-04	.13E-04	.54E-04
4700.	.66E-04	.40E-04	.17E-04	.14E-04	.20E-04	.17E-04	.25E-04	.25E-04	.12E-03	.12E-03	.12E-03	.79E-04	.88E-04	.42E-04	.24E-04	.13E-04	.52E-04
4800.	.64E-04	.39E-04	.16E-04	.14E-04	.19E-04	.16E-04	.24E-04	.24E-04	.11E-03	.12E-03	.11E-03	.76E-04	.85E-04	.41E-04	.23E-04	.12E-04	.50E-04
4900.	.62E-04	.37E-04	.16E-04	.13E-04	.18E-04	.16E-04	.23E-04	.23E-04	.11E-03	.11E-03	.11E-03	.73E-04	.82E-04	.39E-04	.22E-04	.12E-04	.48E-04
5000.	.59E-04	.36E-04	.15E-04	.13E-04	.18E-04	.15E-04	.22E-04	.22E-04	.10E-03	.11E-03	.11E-03	.71E-04	.79E-04	.38E-04	.21E-04	.11E-04	.46E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - Eff. Source

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM / PLUME HEADED	N / S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	AVG / AVG
5500.		.50E-04	.31E-04	.13E-04	.11E-04	.15E-04	.13E-04	.19E-04	.19E-04	.88E-04	.93E-04	.91E-04	.60E-04	.68E-04	.33E-04	.18E-04	.97E-05	.39E-04
6000.		.42E-04	.26E-04	.11E-04	.92E-05	.13E-04	.11E-04	.16E-04	.17E-04	.76E-04	.80E-04	.78E-04	.52E-04	.58E-04	.28E-04	.16E-04	.83E-05	.34E-04
6500.		.37E-04	.23E-04	.99E-05	.81E-05	.11E-04	.97E-05	.14E-04	.14E-04	.66E-04	.69E-04	.68E-04	.45E-04	.51E-04	.25E-04	.14E-04	.72E-05	.30E-04
7000.		.32E-04	.20E-04	.87E-05	.71E-05	.99E-05	.86E-05	.13E-04	.13E-04	.58E-04	.61E-04	.60E-04	.40E-04	.45E-04	.22E-04	.12E-04	.62E-05	.26E-04
7500.		.29E-04	.18E-04	.78E-05	.64E-05	.89E-05	.78E-05	.11E-04	.11E-04	.51E-04	.54E-04	.53E-04	.36E-04	.40E-04	.20E-04	.11E-04	.55E-05	.23E-04
8000.		.26E-04	.16E-04	.71E-05	.57E-05	.80E-05	.70E-05	.10E-04	.98E-05	.46E-04	.48E-04	.48E-04	.32E-04	.36E-04	.17E-04	.10E-04	.49E-05	.21E-04
8500.		.23E-04	.14E-04	.63E-05	.51E-05	.71E-05	.63E-05	.91E-05	.87E-05	.41E-04	.43E-04	.43E-04	.29E-04	.32E-04	.16E-04	.89E-05	.43E-05	.19E-04
9000.		.21E-04	.13E-04	.57E-05	.46E-05	.65E-05	.57E-05	.83E-05	.79E-05	.37E-04	.39E-04	.39E-04	.26E-04	.29E-04	.14E-04	.80E-05	.39E-05	.17E-04
9500.		.19E-04	.12E-04	.52E-05	.42E-05	.59E-05	.52E-05	.76E-05	.71E-05	.34E-04	.35E-04	.35E-04	.24E-04	.26E-04	.13E-04	.73E-05	.36E-05	.15E-04
10000.		.17E-04	.11E-04	.47E-05	.39E-05	.54E-05	.48E-05	.70E-05	.65E-05	.31E-04	.32E-04	.32E-04	.21E-04	.24E-04	.12E-04	.67E-05	.33E-05	.14E-04
11000.		.16E-04	.96E-05	.43E-05	.35E-05	.49E-05	.43E-05	.63E-05	.59E-05	.28E-04	.29E-04	.29E-04	.19E-04	.22E-04	.11E-04	.60E-05	.30E-05	.13E-04
12000.		.15E-04	.89E-05	.39E-05	.32E-05	.45E-05	.39E-05	.57E-05	.54E-05	.26E-04	.27E-04	.27E-04	.18E-04	.20E-04	.96E-05	.55E-05	.27E-05	.12E-04
13000.		.13E-04	.82E-05	.36E-05	.29E-05	.41E-05	.36E-05	.53E-05	.50E-05	.24E-04	.25E-04	.25E-04	.16E-04	.18E-04	.88E-05	.50E-05	.25E-05	.11E-04
14000.		.12E-04	.76E-05	.33E-05	.27E-05	.38E-05	.33E-05	.49E-05	.46E-05	.22E-04	.23E-04	.23E-04	.15E-04	.17E-04	.82E-05	.46E-05	.23E-05	.98E-05
15000.		.12E-04	.70E-05	.31E-05	.25E-05	.35E-05	.31E-05	.45E-05	.43E-05	.21E-04	.21E-04	.21E-04	.14E-04	.16E-04	.76E-05	.43E-05	.22E-05	.92E-05
16000.		.11E-04	.66E-05	.29E-05	.24E-05	.33E-05	.29E-05	.42E-05	.40E-05	.19E-04	.20E-04	.20E-04	.13E-04	.15E-04	.71E-05	.40E-05	.20E-05	.86E-05
17000.		.10E-04	.62E-05	.27E-05	.22E-05	.31E-05	.27E-05	.39E-05	.38E-05	.18E-04	.19E-04	.19E-04	.12E-04	.14E-04	.67E-05	.37E-05	.19E-05	.80E-05
18000.		.95E-05	.58E-05	.25E-05	.21E-05	.29E-05	.25E-05	.37E-05	.36E-05	.17E-04	.18E-04	.18E-04	.12E-04	.13E-04	.63E-05	.35E-05	.18E-05	.76E-05
19000.		.92E-05	.55E-05	.24E-05	.20E-05	.27E-05	.24E-05	.35E-05	.34E-05	.16E-04	.17E-04	.17E-04	.11E-04	.12E-04	.59E-05	.33E-05	.17E-05	.72E-05
20000.		.92E-05	.53E-05	.23E-05	.19E-05	.26E-05	.23E-05	.33E-05	.32E-05	.15E-04	.16E-04	.16E-04	.10E-04	.12E-04	.56E-05	.32E-05	.16E-05	.69E-05
21000.		.83E-05	.50E-05	.22E-05	.18E-05	.25E-05	.21E-05	.31E-05	.31E-05	.15E-04	.15E-04	.15E-04	.99E-05	.11E-04	.54E-05	.30E-05	.15E-05	.65E-05
22000.		.78E-05	.48E-05	.21E-05	.17E-05	.24E-05	.20E-05	.30E-05	.29E-05	.14E-04	.15E-04	.14E-04	.95E-05	.11E-04	.51E-05	.29E-05	.15E-05	.62E-05
23000.		.74E-05	.46E-05	.20E-05	.16E-05	.22E-05	.20E-05	.28E-05	.28E-05	.13E-04	.14E-04	.14E-04	.91E-05	.10E-04	.49E-05	.27E-05	.14E-05	.59E-05
24000.		.71E-05	.44E-05	.19E-05	.15E-05	.22E-05	.19E-05	.27E-05	.27E-05	.13E-04	.13E-04	.13E-04	.87E-05	.98E-05	.47E-05	.26E-05	.13E-05	.57E-05
25000.		.68E-05	.42E-05	.18E-05	.15E-05	.21E-05	.18E-05	.26E-05	.26E-05	.12E-04	.13E-04	.13E-04	.84E-05	.94E-05	.45E-05	.25E-05	.13E-05	.54E-05
26000.		.65E-05	.40E-05	.17E-05	.14E-05	.20E-05	.17E-05	.25E-05	.25E-05	.12E-04	.12E-04	.12E-04	.80E-05	.91E-05	.43E-05	.24E-05	.12E-05	.52E-05
27000.		.63E-05	.39E-05	.17E-05	.14E-05	.19E-05	.17E-05	.24E-05	.24E-05	.11E-04	.12E-04	.12E-04	.77E-05	.87E-05	.42E-05	.23E-05	.12E-05	.50E-05
28000.		.60E-05	.38E-05	.16E-05	.13E-05	.18E-05	.16E-05	.23E-05	.23E-05	.11E-04	.11E-04	.11E-04	.75E-05	.84E-05	.40E-05	.23E-05	.12E-05	.49E-05
29000.		.58E-05	.36E-05	.16E-05	.13E-05	.18E-05	.16E-05	.23E-05	.22E-05	.10E-04	.11E-04	.11E-04	.72E-05	.81E-05	.39E-05	.22E-05	.11E-05	.47E-05
30000.		.56E-05	.35E-05	.15E-05	.12E-05	.17E-05	.15E-05	.22E-05	.22E-05	.10E-04	.11E-04	.11E-04	.70E-05	.78E-05	.38E-05	.21E-05	.11E-05	.45E-05
32000.		.53E-05	.33E-05	.14E-05	.12E-05	.16E-05	.14E-05	.21E-05	.20E-05	.95E-05	.10E-04	.99E-05	.65E-05	.74E-05	.35E-05	.20E-05	.10E-05	.43E-05
34000.		.50E-05	.31E-05	.13E-05	.11E-05	.15E-05	.13E-05	.19E-05	.19E-05	.89E-05	.94E-05	.93E-05	.61E-05	.69E-05	.33E-05	.19E-05	.95E-06	.40E-05
36000.		.47E-05	.29E-05	.13E-05	.10E-05	.14E-05	.13E-05	.18E-05	.18E-05	.84E-05	.89E-05	.88E-05	.58E-05	.65E-05	.31E-05	.18E-05	.90E-06	.38E-05
38000.		.44E-05	.28E-05	.12E-05	.98E-06	.14E-05	.12E-05	.17E-05	.17E-05	.79E-05	.85E-05	.83E-05	.55E-05	.62E-05	.30E-05	.17E-05	.85E-06	.36E-05
40000.		.42E-05	.26E-05	.11E-05	.93E-06	.13E-05	.11E-05	.16E-05	.16E-05	.75E-05	.80E-05	.79E-05	.52E-05	.59E-05	.28E-05	.16E-05	.81E-06	.34E-05
42000.		.40E-05	.25E-05	.11E-05	.88E-06	.12E-05	.11E-05	.16E-05	.16E-05	.72E-05	.77E-05	.75E-05	.50E-05	.56E-05	.27E-05	.15E-05	.77E-06	.32E-05
44000.		.38E-05	.24E-05	.10E-05	.85E-06	.12E-05	.10E-05	.15E-05	.15E-05	.69E-05	.73E-05	.72E-05	.47E-05	.54E-05	.26E-05	.14E-05	.73E-06	.31E-05
46000.		.36E-05	.23E-05	.98E-06	.81E-06	.11E-05	.98E-06	.14E-05	.14E-05	.66E-05	.70E-05	.69E-05	.45E-05	.51E-05	.25E-05	.14E-05	.70E-06	.30E-05
48000.		.35E-05	.22E-05	.94E-06	.78E-06	.11E-05	.94E-06	.14E-05	.14E-05	.63E-05	.67E-05	.66E-05	.44E-05	.49E-05	.24E-05	.13E-05	.67E-06	.28E-05
50000.		.33E-05	.21E-05	.91E-06	.75E-06	.10E-05	.90E-06	.13E-05	.13E-05	.60E-05	.64E-05	.63E-05	.42E-05	.47E-05	.23E-05	.13E-05	.64E-06	.27E-05
52000.		.32E-05	.20E-05	.87E-06	.72E-06	.10E-05	.87E-06	.13E-05	.13E-05	.58E-05	.62E-05	.61E-05	.40E-05	.45E-05	.22E-05	.12E-05	.61E-06	.26E-05
54000.		.31E-05	.19E-05	.84E-06	.69E-06	.96E-06	.84E-06	.12E-05	.12E-05	.56E-05	.59E-05	.59E-05	.39E-05	.44E-05	.21E-05	.12E-05	.59E-06	.25E-05
56000.		.30E-05	.19E-05	.81E-06	.67E-06	.93E-06	.81E-06	.12E-05	.12E-05	.54E-05	.57E-05	.56E-05	.37E-05	.42E-05	.20E-05	.11E-05	.56E-06	.24E-05
58000.		.29E-05	.18E-05	.78E-06	.64E-06	.89E-06	.78E-06	.11E-05	.11E-05	.52E-05	.55E-05	.55E-05	.36E-05	.41E-05	.20E-05	.11E-05	.54E-06	.23E-05
60000.		.28E-05	.17E-05	.76E-06	.62E-06	.86E-06	.75E-06	.11E-05	.11E-05	.50E-05	.53E-05	.53E-05	.35E-05	.39E-05	.19E-05	.11E-05	.52E-06	.23E-05
62000.		.27E-05	.17E-05	.73E-06	.60E-06	.84E-06	.73E-06	.11E-05	.10E-05	.49E-05	.51E-05	.51E-05	.34E-05	.38E-05	.18E-05	.10E-05	.50E-06	.22E-05
64000.		.26E-05	.16E-05	.71E-06	.58E-06	.81E-06	.71E-06	.10E-05	.10E-05	.47E-05	.50E-05	.49E-05	.33E-05	.37E-05	.18E-05	.99E-06	.49E-06	.21E-05
66000.		.25E-05	.16E-05	.69E-06	.56E-06	.78E-06	.68E-06	.10E-05	.96E-06	.46E-05	.48E-05	.48E-05	.32E-05	.36E-05	.17E-05	.96E-06	.47E-06	.21E-05
68000.		.24E-05	.15E-05	.67E-06	.55E-06	.76E-06	.66E-06	.97E-06	.94E-06	.44E-05	.47E-05	.46E-05	.31E-05	.35E-05	.17E-05	.93E-06	.46E-06	.20E-05
70000.		.24E-05	.15E-05	.65E-06	.53E-06	.74E-06	.64E-06	.94E-06	.91E-06	.43E-05	.45E-05	.45E-05	.30E-05	.34E-05	.16E-05	.90E-06	.44E-06	.19E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - 1 drop

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.00E+00	.00E+00	.64E-10	.96E-10	.96E-10	.80E-10	.80E-10	.00E+00	.00E+00	.00E+00	.62E-09	.24E-09	.37E-09	.21E-09	.11E-09	.00E+00	.12E-09
200.	.00E+00	.00E+00	.28E-05	.42E-05	.42E-05	.35E-05	.35E-05	.00E+00	.00E+00	.00E+00	.27E-04	.11E-04	.16E-04	.91E-05	.49E-05	.00E+00	.54E-05
300.	.00E+00	.00E+00	.31E-04	.36E-04	.39E-04	.34E-04	.42E-04	.00E+00	.00E+00	.00E+00	.26E-03	.13E-03	.17E-03	.87E-04	.49E-04	.00E+00	.55E-04
400.	.10E-12	.33E-12	.99E-04	.96E-04	.12E-03	.10E-03	.14E-03	.20E-12	.20E-12	.10E-11	.19E-02	.40E-02	.39E-02	.36E-02	.22E-02	.99E-13	.10E-02
500.	.41E-08	.59E-08	.16E-03	.14E-03	.18E-03	.16E-03	.22E-03	.36E-08	.77E-08	.18E-07	.16E-02	.19E-02	.19E-02	.15E-02	.89E-03	.17E-08	.54E-03
600.	.35E-06	.36E-06	.19E-03	.16E-03	.21E-03	.19E-03	.26E-03	.22E-06	.66E-06	.11E-05	.16E-02	.15E-02	.16E-02	.11E-02	.64E-03	.11E-06	.47E-03
700.	.34E-05	.30E-05	.19E-03	.17E-03	.22E-03	.19E-03	.27E-03	.19E-05	.63E-05	.93E-05	.16E-02	.13E-02	.14E-02	.90E-03	.53E-03	.89E-06	.43E-03
800.	.12E-04	.10E-04	.19E-03	.16E-03	.21E-03	.19E-03	.27E-03	.62E-05	.23E-04	.31E-04	.15E-02	.12E-02	.13E-02	.77E-03	.45E-03	.30E-05	.39E-03
900.	.28E-04	.21E-04	.18E-03	.15E-03	.20E-03	.17E-03	.25E-03	.13E-04	.50E-04	.65E-04	.14E-02	.11E-02	.12E-02	.67E-03	.39E-03	.62E-05	.36E-03
1000.	.46E-04	.34E-04	.16E-03	.14E-03	.18E-03	.16E-03	.23E-03	.21E-04	.84E-04	.10E-03	.12E-02	.95E-03	.10E-02	.59E-03	.34E-03	.10E-04	.33E-03
1100.	.64E-04	.46E-04	.15E-03	.13E-03	.17E-03	.15E-03	.21E-03	.28E-04	.12E-03	.14E-03	.11E-02	.85E-03	.94E-03	.52E-03	.30E-03	.14E-04	.31E-03
1200.	.80E-04	.57E-04	.14E-03	.11E-03	.15E-03	.13E-03	.19E-03	.35E-04	.15E-03	.17E-03	.10E-02	.76E-03	.84E-03	.46E-03	.27E-03	.17E-04	.29E-03
1300.	.93E-04	.65E-04	.12E-03	.10E-03	.14E-03	.12E-03	.17E-03	.40E-04	.17E-03	.20E-03	.93E-03	.69E-03	.76E-03	.42E-03	.24E-03	.19E-04	.27E-03
1400.	.10E-03	.71E-04	.11E-03	.95E-04	.13E-03	.11E-03	.16E-03	.43E-04	.19E-03	.22E-03	.84E-03	.62E-03	.69E-03	.37E-03	.22E-03	.21E-04	.25E-03
1500.	.11E-03	.75E-04	.10E-03	.87E-04	.11E-03	.10E-03	.15E-03	.46E-04	.20E-03	.23E-03	.77E-03	.56E-03	.62E-03	.34E-03	.19E-03	.22E-04	.23E-03
1600.	.11E-03	.77E-04	.94E-04	.79E-04	.10E-03	.93E-04	.13E-03	.47E-04	.21E-03	.24E-03	.70E-03	.51E-03	.57E-03	.31E-03	.18E-03	.23E-04	.22E-03
1700.	.12E-03	.78E-04	.86E-04	.73E-04	.96E-04	.85E-04	.12E-03	.48E-04	.21E-03	.24E-03	.64E-03	.47E-03	.52E-03	.28E-03	.16E-03	.23E-04	.20E-03
1800.	.12E-03	.78E-04	.80E-04	.67E-04	.88E-04	.78E-04	.11E-03	.48E-04	.21E-03	.24E-03	.59E-03	.43E-03	.48E-03	.26E-03	.15E-03	.23E-04	.19E-03
1900.	.12E-03	.77E-04	.73E-04	.62E-04	.82E-04	.72E-04	.10E-03	.47E-04	.21E-03	.24E-03	.55E-03	.40E-03	.44E-03	.24E-03	.14E-03	.23E-04	.18E-03
2000.	.11E-03	.76E-04	.68E-04	.57E-04	.76E-04	.67E-04	.96E-04	.47E-04	.21E-03	.23E-03	.51E-03	.37E-03	.41E-03	.22E-03	.12E-03	.22E-04	.17E-03
2100.	.11E-03	.74E-04	.63E-04	.53E-04	.70E-04	.62E-04	.90E-04	.45E-04	.20E-03	.23E-03	.47E-03	.34E-03	.38E-03	.20E-03	.12E-03	.22E-04	.16E-03
2200.	.11E-03	.72E-04	.59E-04	.49E-04	.65E-04	.58E-04	.83E-04	.44E-04	.20E-03	.22E-03	.44E-03	.32E-03	.35E-03	.19E-03	.11E-03	.21E-04	.15E-03
2300.	.11E-03	.70E-04	.55E-04	.46E-04	.61E-04	.54E-04	.78E-04	.43E-04	.19E-03	.22E-03	.41E-03	.29E-03	.33E-03	.17E-03	.10E-03	.21E-04	.14E-03
2400.	.10E-03	.68E-04	.51E-04	.43E-04	.57E-04	.50E-04	.73E-04	.42E-04	.19E-03	.21E-03	.38E-03	.27E-03	.30E-03	.16E-03	.93E-04	.20E-04	.13E-03
2500.	.10E-03	.65E-04	.48E-04	.40E-04	.53E-04	.47E-04	.68E-04	.40E-04	.18E-03	.20E-03	.36E-03	.26E-03	.28E-03	.15E-03	.87E-04	.19E-04	.12E-03
2600.	.96E-04	.63E-04	.45E-04	.38E-04	.50E-04	.44E-04	.64E-04	.39E-04	.17E-03	.19E-03	.33E-03	.24E-03	.27E-03	.14E-03	.81E-04	.19E-04	.12E-03
2700.	.93E-04	.61E-04	.42E-04	.36E-04	.47E-04	.42E-04	.60E-04	.37E-04	.17E-03	.19E-03	.31E-03	.23E-03	.25E-03	.13E-03	.76E-04	.18E-04	.11E-03
2800.	.90E-04	.58E-04	.40E-04	.33E-04	.44E-04	.39E-04	.57E-04	.36E-04	.16E-03	.18E-03	.30E-03	.21E-03	.24E-03	.12E-03	.72E-04	.17E-04	.11E-03
2900.	.87E-04	.56E-04	.38E-04	.32E-04	.42E-04	.37E-04	.53E-04	.35E-04	.16E-03	.17E-03	.28E-03	.20E-03	.22E-03	.12E-03	.68E-04	.17E-04	.10E-03
3000.	.83E-04	.54E-04	.36E-04	.30E-04	.40E-04	.35E-04	.51E-04	.33E-04	.15E-03	.17E-03	.26E-03	.19E-03	.21E-03	.11E-03	.64E-04	.16E-04	.96E-04
3100.	.80E-04	.52E-04	.34E-04	.28E-04	.37E-04	.33E-04	.48E-04	.32E-04	.15E-03	.16E-03	.25E-03	.18E-03	.20E-03	.11E-03	.60E-04	.16E-04	.91E-04
3200.	.77E-04	.50E-04	.32E-04	.27E-04	.36E-04	.31E-04	.45E-04	.31E-04	.14E-03	.16E-03	.24E-03	.17E-03	.19E-03	.10E-03	.57E-04	.15E-04	.87E-04
3300.	.75E-04	.48E-04	.30E-04	.25E-04	.34E-04	.30E-04	.43E-04	.30E-04	.14E-03	.15E-03	.23E-03	.16E-03	.18E-03	.94E-04	.54E-04	.14E-04	.83E-04
3400.	.72E-04	.47E-04	.29E-04	.24E-04	.32E-04	.28E-04	.41E-04	.29E-04	.13E-03	.14E-03	.21E-03	.15E-03	.17E-03	.90E-04	.52E-04	.14E-04	.79E-04
3500.	.69E-04	.45E-04	.28E-04	.23E-04	.31E-04	.27E-04	.39E-04	.28E-04	.13E-03	.14E-03	.20E-03	.15E-03	.16E-03	.85E-04	.49E-04	.13E-04	.76E-04
3600.	.67E-04	.43E-04	.26E-04	.22E-04	.29E-04	.26E-04	.37E-04	.27E-04	.12E-03	.13E-03	.19E-03	.14E-03	.15E-03	.81E-04	.47E-04	.13E-04	.73E-04
3700.	.64E-04	.42E-04	.25E-04	.21E-04	.28E-04	.25E-04	.36E-04	.26E-04	.12E-03	.13E-03	.19E-03	.13E-03	.15E-03	.78E-04	.45E-04	.12E-04	.70E-04
3800.	.62E-04	.40E-04	.24E-04	.20E-04	.27E-04	.24E-04	.34E-04	.25E-04	.11E-03	.12E-03	.18E-03	.13E-03	.14E-03	.74E-04	.43E-04	.12E-04	.67E-04
3900.	.60E-04	.39E-04	.23E-04	.19E-04	.25E-04	.22E-04	.32E-04	.24E-04	.11E-03	.12E-03	.17E-03	.12E-03	.13E-03	.71E-04	.41E-04	.12E-04	.64E-04
4000.	.58E-04	.37E-04	.22E-04	.18E-04	.24E-04	.22E-04	.31E-04	.23E-04	.11E-03	.12E-03	.16E-03	.12E-03	.13E-03	.68E-04	.39E-04	.11E-04	.61E-04
4100.	.56E-04	.36E-04	.21E-04	.18E-04	.23E-04	.21E-04	.30E-04	.22E-04	.10E-03	.11E-03	.16E-03	.11E-03	.12E-03	.65E-04	.37E-04	.11E-04	.59E-04
4200.	.54E-04	.35E-04	.20E-04	.17E-04	.22E-04	.20E-04	.29E-04	.21E-04	.98E-04	.11E-03	.15E-03	.11E-03	.12E-03	.62E-04	.36E-04	.10E-04	.57E-04
4300.	.52E-04	.34E-04	.19E-04	.16E-04	.21E-04	.19E-04	.27E-04	.21E-04	.95E-04	.10E-03	.14E-03	.10E-03	.11E-03	.60E-04	.34E-04	.10E-04	.55E-04
4400.	.51E-04	.33E-04	.19E-04	.16E-04	.21E-04	.18E-04	.26E-04	.20E-04	.92E-04	.10E-03	.14E-03	.99E-04	.11E-03	.58E-04	.33E-04	.97E-05	.53E-04
4500.	.49E-04	.32E-04	.18E-04	.15E-04	.20E-04	.18E-04	.25E-04	.19E-04	.89E-04	.98E-04	.13E-03	.95E-04	.11E-03	.55E-04	.32E-04	.94E-05	.51E-04
4600.	.47E-04	.31E-04	.17E-04	.14E-04	.19E-04	.17E-04	.24E-04	.19E-04	.86E-04	.95E-04	.13E-03	.91E-04	.10E-03	.53E-04	.31E-04	.91E-05	.49E-04
4700.	.46E-04	.30E-04	.17E-04	.14E-04	.18E-04	.16E-04	.24E-04	.18E-04	.83E-04	.92E-04	.12E-03	.88E-04	.98E-04	.51E-04	.30E-04	.88E-05	.47E-04
4800.	.45E-04	.29E-04	.16E-04	.13E-04	.18E-04	.16E-04	.23E-04	.18E-04	.81E-04	.89E-04	.12E-03	.85E-04	.94E-04	.49E-04	.28E-04	.85E-05	.46E-04
4900.	.43E-04	.28E-04	.15E-04	.13E-04	.17E-04	.15E-04	.22E-04	.17E-04	.78E-04	.86E-04	.11E-03	.82E-04	.91E-04	.48E-04	.27E-04	.83E-05	.44E-04
5000.	.42E-04	.27E-04	.15E-04	.12E-04	.17E-04	.15E-04	.21E-04	.17E-04	.76E-04	.83E-04	.11E-03	.79E-04	.88E-04	.46E-04	.26E-04	.80E-05	.43E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - 1 drop

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM / PLUME HEADED	N / S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	AVG / AVG
5500.		.36E-04	.23E-04	.13E-04	.11E-04	.14E-04	.12E-04	.18E-04	.14E-04	.66E-04	.72E-04	.93E-04	.67E-04	.74E-04	.39E-04	.22E-04	.69E-05	.36E-04
6000.		.31E-04	.20E-04	.11E-04	.91E-05	.12E-04	.11E-04	.15E-04	.12E-04	.57E-04	.63E-04	.80E-04	.57E-04	.64E-04	.33E-04	.19E-04	.60E-05	.31E-04
6500.		.28E-04	.18E-04	.94E-05	.79E-05	.10E-04	.93E-05	.13E-04	.11E-04	.50E-04	.55E-04	.70E-04	.50E-04	.55E-04	.29E-04	.17E-04	.53E-05	.27E-04
7000.		.25E-04	.16E-04	.83E-05	.69E-05	.92E-05	.81E-05	.12E-04	.97E-05	.44E-04	.49E-04	.61E-04	.44E-04	.48E-04	.26E-04	.15E-04	.47E-05	.24E-04
7500.		.22E-04	.14E-04	.73E-05	.61E-05	.81E-05	.72E-05	.10E-04	.86E-05	.40E-04	.43E-04	.54E-04	.39E-04	.43E-04	.23E-04	.13E-04	.42E-05	.21E-04
8000.		.20E-04	.13E-04	.65E-05	.55E-05	.72E-05	.64E-05	.93E-05	.77E-05	.36E-04	.39E-04	.48E-04	.35E-04	.38E-04	.20E-04	.12E-04	.38E-05	.19E-04
8500.		.18E-04	.11E-04	.59E-05	.49E-05	.65E-05	.58E-05	.83E-05	.70E-05	.32E-04	.35E-04	.43E-04	.31E-04	.34E-04	.18E-04	.10E-04	.34E-05	.17E-04
9000.		.16E-04	.10E-04	.53E-05	.44E-05	.59E-05	.52E-05	.75E-05	.63E-05	.29E-04	.32E-04	.39E-04	.28E-04	.31E-04	.16E-04	.94E-05	.31E-05	.16E-04
9500.		.15E-04	.94E-05	.48E-05	.40E-05	.53E-05	.47E-05	.68E-05	.58E-05	.27E-04	.29E-04	.36E-04	.25E-04	.28E-04	.15E-04	.85E-05	.28E-05	.14E-04
10000.		.13E-04	.86E-05	.44E-05	.37E-05	.49E-05	.43E-05	.62E-05	.53E-05	.24E-04	.27E-04	.32E-04	.23E-04	.26E-04	.14E-04	.78E-05	.26E-05	.13E-04
11000.		.12E-04	.77E-05	.40E-05	.33E-05	.44E-05	.39E-05	.56E-05	.48E-05	.22E-04	.24E-04	.29E-04	.21E-04	.23E-04	.12E-04	.70E-05	.23E-05	.12E-04
12000.		.11E-04	.71E-05	.36E-05	.30E-05	.40E-05	.36E-05	.52E-05	.44E-05	.20E-04	.22E-04	.27E-04	.19E-04	.21E-04	.11E-04	.64E-05	.21E-05	.11E-04
13000.		.10E-04	.65E-05	.34E-05	.28E-05	.37E-05	.33E-05	.48E-05	.40E-05	.18E-04	.20E-04	.25E-04	.18E-04	.20E-04	.10E-04	.60E-05	.19E-05	.99E-05
14000.		.95E-05	.61E-05	.31E-05	.26E-05	.35E-05	.31E-05	.44E-05	.37E-05	.17E-04	.19E-04	.23E-04	.17E-04	.18E-04	.96E-05	.55E-05	.18E-05	.92E-05
15000.		.89E-05	.57E-05	.29E-05	.24E-05	.32E-05	.29E-05	.41E-05	.35E-05	.16E-04	.18E-04	.22E-04	.15E-04	.17E-04	.90E-05	.52E-05	.17E-05	.86E-05
16000.		.83E-05	.53E-05	.27E-05	.23E-05	.30E-05	.27E-05	.39E-05	.33E-05	.15E-04	.16E-04	.20E-04	.14E-04	.16E-04	.84E-05	.48E-05	.16E-05	.80E-05
17000.		.78E-05	.50E-05	.26E-05	.22E-05	.29E-05	.25E-05	.36E-05	.31E-05	.14E-04	.15E-04	.19E-04	.14E-04	.15E-04	.79E-05	.46E-05	.15E-05	.76E-05
18000.		.74E-05	.47E-05	.24E-05	.20E-05	.27E-05	.24E-05	.34E-05	.29E-05	.13E-04	.15E-04	.18E-04	.13E-04	.14E-04	.75E-05	.43E-05	.14E-05	.71E-05
19000.		.70E-05	.45E-05	.23E-05	.19E-05	.26E-05	.23E-05	.33E-05	.28E-05	.13E-04	.14E-04	.17E-04	.12E-04	.13E-04	.71E-05	.41E-05	.13E-05	.68E-05
20000.		.66E-05	.42E-05	.22E-05	.18E-05	.24E-05	.21E-05	.31E-05	.26E-05	.12E-04	.13E-04	.16E-04	.12E-04	.13E-04	.67E-05	.39E-05	.13E-05	.64E-05
21000.		.63E-05	.40E-05	.21E-05	.17E-05	.23E-05	.20E-05	.30E-05	.25E-05	.11E-04	.13E-04	.15E-04	.11E-04	.12E-04	.64E-05	.37E-05	.12E-05	.61E-05
22000.		.60E-05	.39E-05	.20E-05	.17E-05	.22E-05	.20E-05	.28E-05	.24E-05	.11E-04	.12E-04	.15E-04	.11E-04	.12E-04	.61E-05	.35E-05	.12E-05	.58E-05
23000.		.58E-05	.37E-05	.19E-05	.16E-05	.21E-05	.19E-05	.27E-05	.23E-05	.10E-04	.11E-04	.14E-04	.10E-04	.11E-04	.59E-05	.34E-05	.11E-05	.56E-05
24000.		.55E-05	.35E-05	.18E-05	.15E-05	.20E-05	.18E-05	.26E-05	.22E-05	.10E-04	.11E-04	.13E-04	.96E-05	.11E-04	.56E-05	.32E-05	.11E-05	.54E-05
25000.		.53E-05	.34E-05	.17E-05	.15E-05	.19E-05	.17E-05	.25E-05	.21E-05	.96E-05	.11E-04	.13E-04	.92E-05	.10E-04	.54E-05	.31E-05	.10E-05	.51E-05
26000.		.51E-05	.33E-05	.17E-05	.14E-05	.19E-05	.17E-05	.24E-05	.20E-05	.92E-05	.10E-04	.12E-04	.89E-05	.99E-05	.52E-05	.30E-05	.97E-06	.49E-05
27000.		.49E-05	.31E-05	.16E-05	.14E-05	.18E-05	.16E-05	.23E-05	.19E-05	.89E-05	.97E-05	.12E-04	.86E-05	.95E-05	.50E-05	.29E-05	.94E-06	.48E-05
28000.		.47E-05	.30E-05	.16E-05	.13E-05	.17E-05	.15E-05	.22E-05	.19E-05	.86E-05	.94E-05	.12E-04	.83E-05	.91E-05	.48E-05	.28E-05	.91E-06	.46E-05
29000.		.46E-05	.29E-05	.15E-05	.13E-05	.17E-05	.15E-05	.21E-05	.18E-05	.83E-05	.91E-05	.11E-04	.80E-05	.88E-05	.46E-05	.27E-05	.87E-06	.44E-05
30000.		.44E-05	.28E-05	.15E-05	.12E-05	.16E-05	.14E-05	.21E-05	.17E-05	.80E-05	.88E-05	.11E-04	.77E-05	.85E-05	.45E-05	.26E-05	.84E-06	.43E-05
32000.		.41E-05	.27E-05	.14E-05	.11E-05	.15E-05	.13E-05	.19E-05	.16E-05	.75E-05	.82E-05	.10E-04	.72E-05	.80E-05	.42E-05	.24E-05	.79E-06	.40E-05
34000.		.39E-05	.25E-05	.13E-05	.11E-05	.14E-05	.13E-05	.18E-05	.15E-05	.71E-05	.77E-05	.95E-05	.68E-05	.75E-05	.40E-05	.23E-05	.75E-06	.38E-05
36000.		.37E-05	.24E-05	.12E-05	.10E-05	.13E-05	.12E-05	.17E-05	.15E-05	.67E-05	.73E-05	.90E-05	.64E-05	.71E-05	.37E-05	.21E-05	.70E-06	.36E-05
38000.		.35E-05	.22E-05	.12E-05	.96E-06	.13E-05	.11E-05	.16E-05	.14E-05	.63E-05	.69E-05	.85E-05	.61E-05	.67E-05	.35E-05	.20E-05	.67E-06	.34E-05
40000.		.33E-05	.21E-05	.11E-05	.91E-06	.12E-05	.11E-05	.16E-05	.13E-05	.60E-05	.66E-05	.81E-05	.58E-05	.64E-05	.34E-05	.19E-05	.63E-06	.32E-05
42000.		.32E-05	.20E-05	.10E-05	.87E-06	.12E-05	.10E-05	.15E-05	.12E-05	.57E-05	.63E-05	.77E-05	.55E-05	.61E-05	.32E-05	.18E-05	.60E-06	.31E-05
44000.		.30E-05	.19E-05	.99E-06	.83E-06	.11E-05	.98E-06	.14E-05	.12E-05	.55E-05	.60E-05	.73E-05	.53E-05	.58E-05	.31E-05	.18E-05	.58E-06	.29E-05
46000.		.29E-05	.18E-05	.95E-06	.80E-06	.11E-05	.93E-06	.13E-05	.11E-05	.52E-05	.57E-05	.70E-05	.50E-05	.56E-05	.29E-05	.17E-05	.55E-06	.28E-05
48000.		.28E-05	.18E-05	.91E-06	.76E-06	.10E-05	.90E-06	.13E-05	.11E-05	.50E-05	.55E-05	.67E-05	.48E-05	.53E-05	.28E-05	.16E-05	.53E-06	.27E-05
50000.		.27E-05	.17E-05	.87E-06	.73E-06	.97E-06	.86E-06	.12E-05	.10E-05	.48E-05	.53E-05	.65E-05	.46E-05	.51E-05	.27E-05	.15E-05	.51E-06	.26E-05
52000.		.26E-05	.16E-05	.10E-05	.83E-06	.12E-05	.10E-05	.15E-05	.10E-05	.46E-05	.51E-05	.70E-05	.51E-05	.57E-05	.30E-05	.16E-05	.49E-06	.27E-05
54000.		.25E-05	.16E-05	.91E-06	.76E-06	.11E-05	.93E-06	.14E-05	.97E-06	.45E-05	.49E-05	.65E-05	.47E-05	.52E-05	.27E-05	.15E-05	.47E-06	.25E-05
56000.		.24E-05	.15E-05	.86E-06	.71E-06	.10E-05	.86E-06	.13E-05	.93E-06	.43E-05	.47E-05	.61E-05	.44E-05	.49E-05	.26E-05	.14E-05	.45E-06	.24E-05
58000.		.23E-05	.15E-05	.81E-06	.68E-06	.94E-06	.81E-06	.12E-05	.90E-06	.41E-05	.45E-05	.59E-05	.42E-05	.47E-05	.25E-05	.14E-05	.44E-06	.23E-05
60000.		.22E-05	.14E-05	.78E-06	.65E-06	.89E-06	.78E-06	.11E-05	.87E-06	.40E-05	.44E-05	.56E-05	.40E-05	.45E-05	.24E-05	.13E-05	.42E-06	.22E-05
62000.		.21E-05	.14E-05	.75E-06	.63E-06	.87E-06	.75E-06	.11E-05	.84E-06	.39E-05	.42E-05	.54E-05	.39E-05	.44E-05	.23E-05	.13E-05	.41E-06	.21E-05
64000.		.21E-05	.13E-05	.73E-06	.61E-06	.84E-06	.73E-06	.11E-05	.82E-06	.38E-05	.41E-05	.53E-05	.38E-05	.42E-05	.22E-05	.12E-05	.40E-06	.21E-05
66000.		.20E-05	.13E-05	.71E-06	.59E-06	.81E-06	.71E-06	.10E-05	.79E-06	.36E-05	.40E-05	.51E-05	.37E-05	.41E-05	.21E-05	.12E-05	.38E-06	.20E-05
68000.		.20E-05	.12E-05	.69E-06	.57E-06	.79E-06	.69E-06	.10E-05	.77E-06	.35E-05	.39E-05	.50E-05	.36E-05	.40E-05	.21E-05	.12E-05	.37E-06	.20E-05
70000.		.19E-05	.12E-05	.67E-06	.55E-06	.77E-06	.67E-06	.97E-06	.75E-06	.34E-05	.38E-05	.48E-05	.35E-05	.39E-05	.20E-05	.11E-05	.36E-06	.19E-05

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - Gas Puff

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	.27E-11	.10E-13	.00E+00	.00E+00	.00E+00	.00E+00	.00E+00	.64E-14	.53E-11	.32E-13	.00E+00	.00E+00	.00E+00	.00E+00	.00E+00	.28E-14	.50E-12
200.	.16E-04	.24E-05	.36E-06	.28E-06	.41E-06	.35E-06	.52E-06	.15E-05	.31E-04	.72E-05	.26E-05	.17E-05	.19E-05	.91E-06	.50E-06	.66E-06	.42E-05
300.	.25E-03	.77E-04	.19E-04	.15E-04	.22E-04	.19E-04	.28E-04	.48E-04	.48E-03	.24E-03	.14E-03	.93E-04	.10E-03	.49E-04	.27E-04	.22E-04	.10E-03
400.	.57E-03	.24E-03	.72E-04	.57E-04	.82E-04	.71E-04	.10E-03	.15E-03	.11E-02	.72E-03	.51E-03	.34E-03	.37E-03	.18E-03	.99E-04	.67E-04	.30E-03
500.	.77E-03	.36E-03	.12E-03	.96E-04	.14E-03	.12E-03	.18E-03	.22E-03	.15E-02	.11E-02	.86E-03	.57E-03	.63E-03	.31E-03	.17E-03	.10E-03	.45E-03
600.	.83E-03	.42E-03	.15E-03	.12E-03	.17E-03	.15E-03	.22E-03	.26E-03	.16E-02	.13E-02	.11E-02	.71E-03	.78E-03	.38E-03	.21E-03	.12E-03	.53E-03
700.	.82E-03	.43E-03	.16E-03	.13E-03	.19E-03	.16E-03	.23E-03	.27E-03	.15E-02	.13E-02	.11E-02	.76E-03	.84E-03	.41E-03	.22E-03	.13E-03	.55E-03
800.	.77E-03	.42E-03	.16E-03	.13E-03	.19E-03	.16E-03	.23E-03	.26E-03	.14E-02	.13E-02	.11E-02	.76E-03	.84E-03	.40E-03	.22E-03	.12E-03	.53E-03
900.	.71E-03	.39E-03	.15E-03	.13E-03	.18E-03	.15E-03	.22E-03	.24E-03	.13E-02	.12E-02	.11E-02	.72E-03	.80E-03	.39E-03	.21E-03	.12E-03	.50E-03
1000.	.64E-03	.37E-03	.15E-03	.12E-03	.17E-03	.15E-03	.21E-03	.23E-03	.12E-02	.11E-02	.10E-02	.68E-03	.76E-03	.36E-03	.20E-03	.11E-03	.47E-03
1100.	.58E-03	.34E-03	.14E-03	.11E-03	.16E-03	.13E-03	.20E-03	.21E-03	.11E-02	.10E-02	.96E-03	.63E-03	.70E-03	.34E-03	.19E-03	.99E-04	.43E-03
1200.	.53E-03	.31E-03	.12E-03	.10E-03	.14E-03	.12E-03	.18E-03	.19E-03	.97E-03	.95E-03	.88E-03	.58E-03	.65E-03	.31E-03	.17E-03	.91E-04	.39E-03
1300.	.48E-03	.28E-03	.12E-03	.94E-04	.13E-03	.11E-03	.17E-03	.17E-03	.88E-03	.87E-03	.81E-03	.54E-03	.60E-03	.29E-03	.16E-03	.83E-04	.36E-03
1400.	.44E-03	.26E-03	.11E-03	.87E-04	.12E-03	.11E-03	.15E-03	.16E-03	.80E-03	.79E-03	.75E-03	.50E-03	.55E-03	.26E-03	.15E-03	.76E-04	.33E-03
1500.	.40E-03	.24E-03	.98E-04	.80E-04	.11E-03	.98E-04	.14E-03	.15E-03	.73E-03	.73E-03	.69E-03	.46E-03	.51E-03	.24E-03	.13E-03	.70E-04	.30E-03
1600.	.36E-03	.22E-03	.90E-04	.74E-04	.10E-03	.90E-04	.13E-03	.13E-03	.66E-03	.67E-03	.64E-03	.42E-03	.47E-03	.22E-03	.12E-03	.64E-04	.28E-03
1700.	.33E-03	.20E-03	.83E-04	.68E-04	.96E-04	.83E-04	.12E-03	.12E-03	.61E-03	.62E-03	.59E-03	.39E-03	.43E-03	.21E-03	.11E-03	.59E-04	.26E-03
1800.	.31E-03	.18E-03	.77E-04	.63E-04	.89E-04	.77E-04	.11E-03	.11E-03	.56E-03	.57E-03	.54E-03	.36E-03	.40E-03	.19E-03	.11E-03	.54E-04	.24E-03
1900.	.28E-03	.17E-03	.72E-04	.59E-04	.82E-04	.71E-04	.10E-03	.10E-03	.52E-03	.53E-03	.51E-03	.33E-03	.37E-03	.18E-03	.98E-04	.50E-04	.22E-03
2000.	.26E-03	.16E-03	.67E-04	.55E-04	.77E-04	.66E-04	.97E-04	.97E-04	.48E-03	.49E-03	.47E-03	.31E-03	.35E-03	.17E-03	.92E-04	.47E-04	.20E-03
2100.	.24E-03	.15E-03	.62E-04	.51E-04	.71E-04	.62E-04	.90E-04	.90E-04	.44E-03	.45E-03	.44E-03	.29E-03	.32E-03	.15E-03	.85E-04	.44E-04	.19E-03
2200.	.23E-03	.14E-03	.58E-04	.48E-04	.67E-04	.58E-04	.84E-04	.84E-04	.41E-03	.42E-03	.41E-03	.27E-03	.30E-03	.14E-03	.80E-04	.41E-04	.18E-03
2300.	.21E-03	.13E-03	.54E-04	.45E-04	.62E-04	.54E-04	.79E-04	.79E-04	.38E-03	.39E-03	.38E-03	.25E-03	.28E-03	.13E-03	.74E-04	.38E-04	.17E-03
2400.	.20E-03	.12E-03	.51E-04	.42E-04	.58E-04	.51E-04	.74E-04	.74E-04	.36E-03	.37E-03	.36E-03	.24E-03	.27E-03	.13E-03	.70E-04	.35E-04	.16E-03
2500.	.18E-03	.11E-03	.48E-04	.39E-04	.55E-04	.48E-04	.69E-04	.69E-04	.33E-03	.35E-03	.34E-03	.22E-03	.25E-03	.12E-03	.66E-04	.33E-04	.15E-03
2600.	.17E-03	.11E-03	.45E-04	.37E-04	.52E-04	.45E-04	.65E-04	.65E-04	.31E-03	.33E-03	.32E-03	.21E-03	.23E-03	.11E-03	.62E-04	.31E-04	.14E-03
2700.	.16E-03	.99E-04	.42E-04	.35E-04	.49E-04	.42E-04	.62E-04	.61E-04	.30E-03	.31E-03	.30E-03	.20E-03	.22E-03	.11E-03	.58E-04	.29E-04	.13E-03
2800.	.15E-03	.94E-04	.40E-04	.33E-04	.46E-04	.40E-04	.58E-04	.58E-04	.28E-03	.29E-03	.28E-03	.19E-03	.21E-03	.99E-04	.55E-04	.28E-04	.12E-03
2900.	.14E-03	.88E-04	.38E-04	.31E-04	.43E-04	.38E-04	.55E-04	.54E-04	.26E-03	.27E-03	.27E-03	.18E-03	.20E-03	.94E-04	.52E-04	.26E-04	.11E-03
3000.	.14E-03	.84E-04	.36E-04	.29E-04	.41E-04	.36E-04	.52E-04	.51E-04	.25E-03	.26E-03	.25E-03	.17E-03	.19E-03	.89E-04	.49E-04	.25E-04	.11E-03
3100.	.13E-03	.79E-04	.34E-04	.28E-04	.39E-04	.34E-04	.49E-04	.49E-04	.24E-03	.25E-03	.24E-03	.16E-03	.18E-03	.84E-04	.47E-04	.24E-04	.10E-03
3200.	.12E-03	.75E-04	.32E-04	.27E-04	.37E-04	.32E-04	.47E-04	.46E-04	.22E-03	.23E-03	.23E-03	.15E-03	.17E-03	.80E-04	.44E-04	.22E-04	.98E-04
3300.	.12E-03	.71E-04	.31E-04	.25E-04	.35E-04	.31E-04	.45E-04	.44E-04	.21E-03	.22E-03	.22E-03	.14E-03	.16E-03	.76E-04	.42E-04	.21E-04	.93E-04
3400.	.11E-03	.68E-04	.29E-04	.24E-04	.34E-04	.29E-04	.42E-04	.42E-04	.20E-03	.21E-03	.21E-03	.14E-03	.15E-03	.72E-04	.40E-04	.20E-04	.89E-04
3500.	.11E-03	.65E-04	.28E-04	.23E-04	.32E-04	.28E-04	.40E-04	.40E-04	.19E-03	.20E-03	.20E-03	.13E-03	.15E-03	.69E-04	.38E-04	.19E-04	.84E-04
3600.	.10E-03	.62E-04	.27E-04	.22E-04	.31E-04	.26E-04	.39E-04	.38E-04	.18E-03	.19E-03	.19E-03	.12E-03	.14E-03	.66E-04	.36E-04	.18E-04	.80E-04
3700.	.96E-04	.59E-04	.25E-04	.21E-04	.29E-04	.25E-04	.37E-04	.36E-04	.17E-03	.18E-03	.18E-03	.12E-03	.13E-03	.63E-04	.35E-04	.18E-04	.77E-04
3800.	.92E-04	.56E-04	.24E-04	.20E-04	.28E-04	.24E-04	.35E-04	.35E-04	.17E-03	.17E-03	.17E-03	.11E-03	.13E-03	.60E-04	.33E-04	.17E-04	.73E-04
3900.	.88E-04	.54E-04	.23E-04	.19E-04	.27E-04	.23E-04	.34E-04	.33E-04	.16E-03	.17E-03	.16E-03	.11E-03	.12E-03	.58E-04	.32E-04	.16E-04	.70E-04
4000.	.84E-04	.52E-04	.22E-04	.18E-04	.26E-04	.22E-04	.32E-04	.32E-04	.15E-03	.16E-03	.16E-03	.10E-03	.12E-03	.55E-04	.31E-04	.15E-04	.67E-04
4100.	.80E-04	.50E-04	.21E-04	.18E-04	.25E-04	.21E-04	.31E-04	.31E-04	.15E-03	.15E-03	.15E-03	.99E-04	.11E-03	.53E-04	.29E-04	.15E-04	.65E-04
4200.	.77E-04	.48E-04	.20E-04	.17E-04	.24E-04	.20E-04	.30E-04	.29E-04	.14E-03	.15E-03	.14E-03	.95E-04	.11E-03	.51E-04	.28E-04	.14E-04	.62E-04
4300.	.74E-04	.46E-04	.20E-04	.16E-04	.23E-04	.20E-04	.29E-04	.28E-04	.13E-03	.14E-03	.14E-03	.91E-04	.10E-03	.49E-04	.27E-04	.14E-04	.60E-04
4400.	.71E-04	.44E-04	.19E-04	.16E-04	.22E-04	.19E-04	.28E-04	.27E-04	.13E-03	.14E-03	.13E-03	.88E-04	.99E-04	.47E-04	.26E-04	.13E-04	.57E-04
4500.	.69E-04	.42E-04	.18E-04	.15E-04	.21E-04	.18E-04	.27E-04	.26E-04	.12E-03	.13E-03	.13E-03	.85E-04	.95E-04	.45E-04	.25E-04	.13E-04	.55E-04
4600.	.66E-04	.41E-04	.18E-04	.14E-04	.20E-04	.18E-04	.26E-04	.25E-04	.12E-03	.13E-03	.12E-03	.82E-04	.92E-04	.44E-04	.24E-04	.12E-04	.53E-04
4700.	.64E-04	.39E-04	.17E-04	.14E-04	.19E-04	.17E-04	.25E-04	.24E-04	.12E-03	.12E-03	.12E-03	.79E-04	.88E-04	.42E-04	.23E-04	.12E-04	.51E-04
4800.	.61E-04	.38E-04	.16E-04	.13E-04	.19E-04	.16E-04	.24E-04	.23E-04	.11E-03	.12E-03	.11E-03	.76E-04	.85E-04	.41E-04	.22E-04	.11E-04	.49E-04
4900.	.59E-04	.37E-04	.16E-04	.13E-04	.18E-04	.16E-04	.23E-04	.23E-04	.11E-03	.11E-03	.11E-03	.73E-04	.82E-04	.39E-04	.22E-04	.11E-04	.48E-04
5000.	.57E-04	.35E-04	.15E-04	.13E-04	.18E-04	.15E-04	.22E-04	.22E-04	.10E-03	.11E-03	.11E-03	.71E-04	.80E-04	.38E-04	.21E-04	.11E-04	.46E-04

********** CHROMIUM CONCENTRATION TABLE (Micrograms/METER**3)**********

Newark, NJ Site LMDCT - Baseline with 6-cell North-South(Inline) - Gas Puff

SEASON=ANNUAL with Chromium/Salt mass ratio = 0.023320

DISTANCE FROM TOWER (M)	WIND FROM N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	AVG
	PLUME HEADED S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5500.	.48E-04	.30E-04	.13E-04	.11E-04	.15E-04	.13E-04	.19E-04	.18E-04	.88E-04	.93E-04	.91E-04	.60E-04	.68E-04	.32E-04	.18E-04	.89E-05	.39E-04
6000.	.41E-04	.26E-04	.11E-04	.92E-05	.13E-04	.11E-04	.16E-04	.16E-04	.75E-04	.80E-04	.78E-04	.52E-04	.58E-04	.28E-04	.15E-04	.77E-05	.34E-04
6500.	.36E-04	.22E-04	.97E-05	.80E-05	.11E-04	.96E-05	.14E-04	.14E-04	.66E-04	.69E-04	.68E-04	.45E-04	.51E-04	.24E-04	.13E-04	.67E-05	.29E-04
7000.	.32E-04	.20E-04	.85E-05	.70E-05	.98E-05	.85E-05	.12E-04	.12E-04	.57E-04	.61E-04	.60E-04	.39E-04	.44E-04	.21E-04	.12E-04	.58E-05	.26E-04
7500.	.28E-04	.17E-04	.75E-05	.62E-05	.86E-05	.75E-05	.11E-04	.11E-04	.51E-04	.54E-04	.53E-04	.35E-04	.39E-04	.19E-04	.10E-04	.52E-05	.23E-04
8000.	.25E-04	.16E-04	.67E-05	.55E-05	.77E-05	.67E-05	.98E-05	.95E-05	.45E-04	.48E-04	.47E-04	.31E-04	.35E-04	.17E-04	.92E-05	.46E-05	.20E-04
8500.	.22E-04	.14E-04	.60E-05	.50E-05	.69E-05	.60E-05	.88E-05	.86E-05	.41E-04	.43E-04	.42E-04	.28E-04	.32E-04	.15E-04	.83E-05	.41E-05	.18E-04
9000.	.20E-04	.13E-04	.54E-05	.45E-05	.63E-05	.54E-05	.79E-05	.78E-05	.37E-04	.39E-04	.38E-04	.25E-04	.29E-04	.14E-04	.75E-05	.37E-05	.16E-04
9500.	.18E-04	.11E-04	.50E-05	.41E-05	.57E-05	.49E-05	.72E-05	.70E-05	.33E-04	.35E-04	.35E-04	.23E-04	.26E-04	.12E-04	.68E-05	.34E-05	.15E-04
10000.	.17E-04	.10E-04	.45E-05	.37E-05	.52E-05	.45E-05	.66E-05	.64E-05	.31E-04	.32E-04	.32E-04	.21E-04	.24E-04	.11E-04	.62E-05	.31E-05	.14E-04
11000.	.15E-04	.95E-05	.41E-05	.34E-05	.47E-05	.41E-05	.60E-05	.58E-05	.28E-04	.29E-04	.29E-04	.19E-04	.21E-04	.10E-04	.56E-05	.28E-05	.12E-04
12000.	.14E-04	.87E-05	.38E-05	.31E-05	.43E-05	.38E-05	.55E-05	.54E-05	.25E-04	.27E-04	.27E-04	.17E-04	.20E-04	.93E-05	.52E-05	.26E-05	.11E-04
13000.	.13E-04	.80E-05	.35E-05	.29E-05	.40E-05	.35E-05	.51E-05	.49E-05	.23E-04	.25E-04	.24E-04	.16E-04	.18E-04	.86E-05	.48E-05	.24E-05	.10E-04
14000.	.12E-04	.74E-05	.32E-05	.27E-05	.37E-05	.32E-05	.47E-05	.46E-05	.22E-04	.23E-04	.23E-04	.15E-04	.17E-04	.80E-05	.44E-05	.22E-05	.97E-05
15000.	.11E-04	.70E-05	.30E-05	.25E-05	.35E-05	.30E-05	.44E-05	.43E-05	.20E-04	.22E-04	.21E-04	.14E-04	.16E-04	.75E-05	.41E-05	.21E-05	.91E-05
16000.	.10E-04	.65E-05	.28E-05	.23E-05	.32E-05	.28E-05	.41E-05	.40E-05	.19E-04	.20E-04	.20E-04	.13E-04	.15E-04	.70E-05	.39E-05	.19E-05	.85E-05
17000.	.99E-05	.61E-05	.27E-05	.22E-05	.31E-05	.27E-05	.39E-05	.38E-05	.18E-04	.19E-04	.19E-04	.12E-04	.14E-04	.66E-05	.37E-05	.18E-05	.80E-05
18000.	.93E-05	.58E-05	.25E-05	.21E-05	.29E-05	.25E-05	.37E-05	.36E-05	.17E-04	.18E-04	.18E-04	.12E-04	.13E-04	.62E-05	.35E-05	.17E-05	.76E-05
19000.	.88E-05	.55E-05	.24E-05	.20E-05	.27E-05	.24E-05	.35E-05	.34E-05	.16E-04	.17E-04	.17E-04	.11E-04	.12E-04	.59E-05	.33E-05	.16E-05	.72E-05
20000.	.84E-05	.52E-05	.23E-05	.19E-05	.26E-05	.23E-05	.33E-05	.32E-05	.15E-04	.16E-04	.16E-04	.10E-04	.12E-04	.56E-05	.31E-05	.16E-05	.68E-05
21000.	.80E-05	.50E-05	.22E-05	.18E-05	.25E-05	.21E-05	.31E-05	.31E-05	.15E-04	.15E-04	.15E-04	.10E-04	.11E-04	.53E-05	.30E-05	.15E-05	.65E-05
22000.	.76E-05	.47E-05	.21E-05	.17E-05	.24E-05	.21E-05	.30E-05	.29E-05	.14E-04	.15E-04	.14E-04	.95E-05	.11E-04	.51E-05	.28E-05	.14E-05	.62E-05
23000.	.73E-05	.45E-05	.20E-05	.16E-05	.23E-05	.20E-05	.29E-05	.28E-05	.13E-04	.14E-04	.14E-04	.91E-05	.10E-04	.49E-05	.27E-05	.14E-05	.59E-05
24000.	.70E-05	.43E-05	.19E-05	.16E-05	.22E-05	.19E-05	.27E-05	.27E-05	.13E-04	.13E-04	.13E-04	.87E-05	.98E-05	.47E-05	.26E-05	.13E-05	.57E-05
25000.	.67E-05	.42E-05	.18E-05	.15E-05	.21E-05	.18E-05	.26E-05	.26E-05	.12E-04	.13E-04	.13E-04	.84E-05	.95E-05	.45E-05	.25E-05	.12E-05	.54E-05
26000.	.65E-05	.40E-05	.17E-05	.14E-05	.20E-05	.17E-05	.25E-05	.25E-05	.12E-04	.12E-04	.12E-04	.81E-05	.91E-05	.43E-05	.24E-05	.12E-05	.52E-05
27000.	.62E-05	.39E-05	.17E-05	.14E-05	.19E-05	.17E-05	.24E-05	.24E-05	.11E-04	.12E-04	.12E-04	.78E-05	.88E-05	.41E-05	.23E-05	.12E-05	.50E-05
28000.	.60E-05	.37E-05	.16E-05	.13E-05	.19E-05	.16E-05	.23E-05	.23E-05	.11E-04	.12E-04	.11E-04	.75E-05	.84E-05	.40E-05	.22E-05	.11E-05	.49E-05
29000.	.58E-05	.36E-05	.16E-05	.13E-05	.18E-05	.16E-05	.23E-05	.22E-05	.11E-04	.11E-04	.11E-04	.72E-05	.81E-05	.39E-05	.21E-05	.11E-05	.47E-05
30000.	.56E-05	.35E-05	.15E-05	.12E-05	.17E-05	.15E-05	.22E-05	.21E-05	.10E-04	.11E-04	.11E-04	.70E-05	.79E-05	.37E-05	.21E-05	.10E-05	.45E-05
32000.	.52E-05	.33E-05	.14E-05	.12E-05	.16E-05	.14E-05	.21E-05	.20E-05	.95E-05	.10E-04	.99E-05	.66E-05	.74E-05	.35E-05	.19E-05	.97E-06	.43E-05
34000.	.49E-05	.31E-05	.13E-05	.11E-05	.15E-05	.13E-05	.19E-05	.19E-05	.90E-05	.95E-05	.94E-05	.62E-05	.70E-05	.33E-05	.18E-05	.91E-06	.40E-05
36000.	.47E-05	.29E-05	.13E-05	.10E-05	.14E-05	.13E-05	.18E-05	.18E-05	.85E-05	.90E-05	.88E-05	.58E-05	.66E-05	.31E-05	.17E-05	.86E-06	.38E-05
38000.	.44E-05	.27E-05	.12E-05	.98E-06	.14E-05	.12E-05	.17E-05	.17E-05	.80E-05	.85E-05	.84E-05	.55E-05	.62E-05	.29E-05	.16E-05	.82E-06	.36E-05
40000.	.42E-05	.26E-05	.11E-05	.93E-06	.13E-05	.11E-05	.16E-05	.16E-05	.76E-05	.81E-05	.80E-05	.52E-05	.59E-05	.28E-05	.16E-05	.78E-06	.34E-05
42000.	.40E-05	.25E-05	.11E-05	.89E-06	.12E-05	.11E-05	.16E-05	.15E-05	.73E-05	.77E-05	.76E-05	.50E-05	.56E-05	.27E-05	.15E-05	.74E-06	.32E-05
44000.	.38E-05	.24E-05	.10E-05	.85E-06	.12E-05	.10E-05	.15E-05	.15E-05	.69E-05	.73E-05	.72E-05	.48E-05	.54E-05	.25E-05	.14E-05	.71E-06	.31E-05
46000.	.36E-05	.23E-05	.98E-06	.81E-06	.11E-05	.98E-06	.14E-05	.14E-05	.66E-05	.70E-05	.69E-05	.46E-05	.51E-05	.24E-05	.14E-05	.68E-06	.30E-05
48000.	.35E-05	.22E-05	.94E-06	.78E-06	.11E-05	.94E-06	.14E-05	.13E-05	.64E-05	.67E-05	.66E-05	.44E-05	.49E-05	.23E-05	.13E-05	.65E-06	.28E-05
50000.	.34E-05	.21E-05	.90E-06	.75E-06	.10E-05	.90E-06	.13E-05	.13E-05	.61E-05	.65E-05	.64E-05	.42E-05	.47E-05	.22E-05	.12E-05	.62E-06	.27E-05
52000.	.32E-05	.20E-05	.87E-06	.72E-06	.10E-05	.87E-06	.13E-05	.12E-05	.59E-05	.62E-05	.61E-05	.40E-05	.45E-05	.22E-05	.12E-05	.60E-06	.26E-05
54000.	.31E-05	.19E-05	.84E-06	.69E-06	.96E-06	.84E-06	.12E-05	.12E-05	.56E-05	.60E-05	.59E-05	.39E-05	.44E-05	.21E-05	.12E-05	.58E-06	.25E-05
56000.	.30E-05	.19E-05	.81E-06	.67E-06	.93E-06	.81E-06	.12E-05	.11E-05	.54E-05	.58E-05	.57E-05	.37E-05	.42E-05	.20E-05	.11E-05	.55E-06	.24E-05
58000.	.29E-05	.18E-05	.78E-06	.64E-06	.90E-06	.78E-06	.11E-05	.11E-05	.53E-05	.56E-05	.55E-05	.36E-05	.41E-05	.19E-05	.11E-05	.54E-06	.23E-05
60000.	.28E-05	.17E-05	.75E-06	.62E-06	.87E-06	.75E-06	.11E-05	.11E-05	.51E-05	.54E-05	.53E-05	.35E-05	.39E-05	.19E-05	.10E-05	.52E-06	.23E-05
62000.	.27E-05	.17E-05	.73E-06	.60E-06	.84E-06	.73E-06	.11E-05	.10E-05	.49E-05	.52E-05	.51E-05	.34E-05	.38E-05	.18E-05	.10E-05	.50E-06	.22E-05
64000.	.26E-05	.16E-05	.71E-06	.58E-06	.81E-06	.70E-06	.10E-05	.10E-05	.48E-05	.50E-05	.50E-05	.33E-05	.37E-05	.18E-05	.97E-06	.49E-06	.21E-05
66000.	.25E-05	.16E-05	.68E-06	.57E-06	.79E-06	.68E-06	.10E-05	.97E-06	.46E-05	.49E-05	.48E-05	.32E-05	.36E-05	.17E-05	.94E-06	.47E-06	.21E-05
68000.	.25E-05	.15E-05	.66E-06	.55E-06	.76E-06	.66E-06	.97E-06	.94E-06	.45E-05	.47E-05	.47E-05	.31E-05	.35E-05	.16E-05	.91E-06	.46E-06	.20E-05
70000.	.24E-05	.15E-05	.65E-06	.53E-06	.74E-06	.64E-06	.94E-06	.92E-06	.44E-05	.46E-05	.45E-05	.30E-05	.34E-05	.16E-05	.89E-06	.44E-06	.19E-05