

Research and Development

FIELD MEASUREMENT OF
GREENHOUSE GAS EMISSION
RATES AND DEVELOPMENT OF
EMISSION FACTORS FOR
WASTEWATER TREATMENT

Prepared for

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Prepared by

National Risk Management Research Laboratory Research Triangle Park, NC 27711

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FIELD MEASUREMENT OF GREENHOUSE GAS EMISSION RATES AND DEVELOPMENT OF EMISSION FACTORS FOR WASTEWATER TREATMENT

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ABSTRACT

Greenhouse gases (GHG) are produced from the anaerobic decomposition of waste in landfills, septic sewage systems, and wastewater treatment (WWT) facilities. Reasonably accurate global balances are needed for methane (CH₄) and other greenhouse gases for use with climatic models to estimate long-term global temperature changes. The development of a global balance for any compound requires identification of all major emission sources and estimation of their source strength (i.e., emission rate).

Estimates are available for the amount of methane emitted from certain types of waste facilities, but there is not adequate field measurement data to validate these estimates. Under the Base Statement of Work Area for this contract, field testing was performed to develop more reliable GHG emission estimates for WWT lagoons. Field tests of emissions were conducted for wastewater treatment lagoons that use anaerobic processes to treat large volumes of wastewater with large BOD loadings. Air emission and wastewater measurements were made for anaerobic lagoons at three meat processing plants and at two publicly-owned treatment works (POTWs). The overall emission rates of methane, carbon dioxide, carbon monoxide, nitrous oxide, ammonia, volatile organic compounds (VOC) and chlorofluorocarbons (CFCs) were measured from each source using an open path monitoring approach. The emitted compounds were identified and quantified by Fourier-Transform Infrared (FTIR) spectroscopy. Emission factors were developed for methane and ammonia as a function of the plant production rate, wastewater parameters (e.g., influent BOD and COD loadings), and WWT system performance (e.g., BOD and COD removal rates).

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ACRONYMS AND ABBREVIATIONS

AAM Ambient Air Monitoring

ASTM American Society for Testing and Materials

BOD Biological oxygen demand

CFCs Chlorofluorocarbons

CH₄ Methane

CLS Classical least squares

CO₂ Carbon dioxide
CO Carbon monoxide
COC Chain of custody

COD Chemical oxygen demand

Conc Concentration

CV Coefficient of variability
DAF Dissolved air flotation

deg Degree

DO Dissolved oxygen

ECD Electron capture detector

EPA Environmental Protection Agency

FID Flame ionization detector
FTIR Fourier-transform infrared

GC Gas chromatography

GC/MS Gas chromatography/mass spectroscopy

GHG Greenhouse gas

H₂O Water vapor

H₂S Hydrogen sulfide

IC Ion chromatography

Met Meteorological

MGD Million gallons per day

mph Miles per hour MS Mass spectrometer N_2O Nitrous oxide

Obs Observations

OPM Open path monitor

OPM-TM Open path monitor - transect monitoring

POTWs Publicly-owned treatment works

ppm Parts-per-million

ppm-v Parts-per-million on a volume basis

QA Quality assurance

ACRONYMS AND ABBREVIATIONS (Continued)

QC Quality control

RPD · Relative percent difference

RR Retroreflector

SE Southeast

SF₆ Sulfur hexafluoride SM Standard method

SW Southwest

TCD Thermal conductivity detector

TKN Total Kjeldahl nitrogen

TNMHC Total non-methane hydrocarbons

TOC Total organic carbon
TSS Total suspended solids

VOCs Volatile organic compounds

WD Wind direction

WWT Wastewater treatment

METRIC CONVERSIONS

Non-Metric Unit	Multiplied by	Yields Metric Unit
°F	0.555556 (°F-32)	°C
in.	2.54	cm
ft.	0.3048	. m
mile	1609.344	m
lb.	0.453592	kg
gal.	3.78541	L
mph	0.44704	m/sec

SECTION 1 INTRODUCTION

This section contains the rationale for performing this study, a listing of the project objectives, a description of the site selection process, and an overview of the technical approach employed in the test program.

1.1 Background

A greenhouse gas (GHG) generally can be defined as any molecule which absorbs infrared light in the spectral region of 5 to 20 micrometers (μ m). These molecules include, but are not limited to, water vapor (H₂O), carbon dioxide (CO₂), carbon monoxide (CO), methane (CH₄), certain volatile organic compounds (VOCs), and nitrous oxide (N₂O).

Reasonably accurate global balances of GHGs are needed as input to climatic models for estimating long-term global temperature changes. The development of a global balance for any compound requires identification of all major emission sources, estimation of their source strength (i.e., emission rate), identification of major reaction mechanisms and sinks, and calculation of the total mass of a given compound in the atmosphere and its average atmospheric residence time.

A large number of natural and anthropic activities produce or release GHGs. The emphasis of this program is on emissions from waste management facilities. Greenhouse gases are produced from the decomposition of waste in landfills, septic sewage systems, and wastewater treatment (WWT) facilities; and from the open burning of waste. The decomposition of

organic waste may occur aerobically (i.e., with oxygen) or anaerobically (i.e., without oxygen). Aerobic decomposition of organic carbon results in the production of CO₂, while anaerobic decomposition results in the production of CH₄. Given a sufficient amount of time, essentially every atom of carbon in waste streams is converted to either CO₂ or CH₄. In terms of their ability to retain heat in the atmosphere, however, CO2 and CH4 are not equivalent. A given mass of CH₄ is 58 times stronger a GHG than the same mass of CO₂ (it is 21 times stronger on a molecular basis).1 Therefore, the relative amount of anaerobic versus aerobic decomposition is of interest.

Another issue is the relative contribution of emissions from waste management facilities as compared with all other emission sources. The emissions of CH₄ from waste management facilities are considered to be much more significant than the emissions of CO₂ from these same facilities because the CO₂ emissions are thought to be quite small compared with emissions of CO₂ from the combustion of fossil fuels and other sources.

National and global emission inventories of CH₄ emissions from waste management facilities (e.g., landfills, WWT lagoons, and livestock waste lagoons) have been published.¹⁻³ These estimates, however, are based on mass balance calculations and various assumptions. Therefore, field measurement data are needed to validate these estimates.

This report contains the results of a project for measuring emissions of GHGs from WWT and disposal facilities. The work was sponsored by the Air Pollution Prevention and Control Division (APPCD), National Risk Management Research Laboratory, Office of Research and Development (ORD) of the U.S. Environmental Protection Agency (EPA).

1.2 Objectives

The overall objective of the research under the base statement of work area for this contract is to develop more reliable estimates of GHG emissions from industrial and domestic WWT systems. Most previous research for these sources has used a mass balance approach to estimate potential CH₄ emissions, but in this study emissions of CH₄ and other GHGs were measured under field conditions, which should improve the reliability of the emission estimates.

The specific objectives of this study were to:

- Identify those industries and WWT
 processes that have the greatest
 potential for measurable emissions of
 CH₄;
- Develop selection criteria for identifying suitable field sites;
- Select the five most promising sites for testing;
- Perform ambient air measurements using an open path monitoring (OPM) approach with a Fourier Transform Infrared (FTIR) spectroscopy instrument;

- Collect process data and characterize the influent and effluent wastewater quality at the five field sites; and
- Use the field data to develop emission factors for each GHG of interest.

1.3 Site Selection

Industrial and domestic WWT systems include both anaerobic and aerobic processes, and a great variety of WWT methods are used among industries and among different countries. Because of the relative importance of GHG emissions from anaerobic decomposition (as discussed above), the subset of WWT systems that employ anaerobic treatment processes was selected for testing. Within this subset, anaerobic lagoons were given priority over anaerobic digesters, tanks, and sludge disposal units because lagoons offered the fewest logistical constraints to testing.

Although anaerobic lagoons are not extensively used to treat industrial and domestic waste in the United States, other countries use anaerobic lagoons to treat wastewater. Because of difficulties associated with identifying sites and the expense of conducting field measurements in foreign countries, sites in the United States that are representative of treatment conditions in developing countries were selected for testing.

Site selection focused on U.S. WWT systems that employ open, anaerobic processes to achieve high levels of biological oxygen demand (BOD)

removal. First, industries that treat large volumes of wastewater and remove large amounts of BOD (or chemical oxygen demand [COD]) were identified using published information sources. Then, additional information was collected from EPA regulatory personnel, project files, and reports and researches in the WWT field to identify which industries were most likely to treat wastewater to remove high levels of BOD/COD in open, anaerobic lagoons, and to identify the most promising sites for sampling. The most promising candidates were beef and poultry processing plants and pulp and paper mills. Publicly owned treatment works (POTWs) also were of interest because they are used to treat a significant fraction of wastewater both nationally and globally and, also, they were thought to be a potentially significant source of N₂O emissions.⁴

Information was collected from published sources; EPA regulatory personnel, project files, and reports; and researchers in the WWT area to identify potential sites for field testing. Beef and poultry processing plants and POTWs were identified as good candidates for field testing. Pulp and paper mills proved to be less suitable, because the amount of BOD removal by anaerobic processes in that industry in the U.S. appears to be small.

Five sites were selected for testing. Presampling surveys were conducted at these sites to confirm that they met the siteselection criteria for sampling. The sites selected included two beef processing plants, one chicken processing plant, and two POTWs. Two beef processing plants and two POTW sites were selected to help determine the variability in emissions within a given industry.

1.4 Approach

The field work involved being on site for about five days at each facility. Ambient air measurements were made immediately downwind of the lagoons using an openpath monitoring (OPM) approach with detection by Fourier Transform Infrared (FTIR) spectroscopy. The FTIR light beam was directed along a path of several hundred feet and the absorbance of gases was measured. The target compounds of interest included CH₄, CO₂, N₂O, as well as CO, ammonia (NH₃), and certain VOCs. Emission rates were determined from measurements of the downwind ambient concentration and the atmospheric dispersion characteristics at the time of sampling.

The sampling equipment consisted of a van containing the FTIR equipment and a 3m (10 ft) tower for measuring meteorological parameters. In addition, a limited number of influent and effluent wastewater and sludge samples were collected.

Where available, historical facility records were used as the most robust estimators of BOD and COD loadings in the system influent and effluent for correlation to GHG emission rates. Wastewater samples also were collected during the periods of FTIR sampling to confirm the historical data or to provide estimates of current conditions if historical data were unavailable or current conditions differed from historical conditions.

Emission factors were developed in terms of grams of GHG species emitted per gram of precursor in the influent wastewater (e.g., g CH₄/g BOD). The emission factors

will be combined with activity factor data to develop national and global emission estimates.

Measurements of emissions from anaerobic lagoons used in the meat processing industry are expected to provide upper bound estimates of CH₄ emissions for the entire WWT source category because this industry has among the highest influent BOD concentrations of any industry.⁴ The use of emission factors developed for these sources to estimate emissions for WWT lagoons with lower BOD and COD removal rates potentially could result in overestimating emissions. To the extent that CH₄ emissions

are directly proportional to BOD and/or COD removal rate, the emission factors for CH₄ (expressed as kg CH₄/kg BOD and/or COD removed) should be fairly constant regardless of BOD and/or COD loading. This may not be true, however, for N₂O or other GHGs where the emission factors for these pollutants are based on a parameter(s) other than BOD or COD. Given the current state of knowledge, however, it was decided that measuring emissions from sources with high BOD and COD removal rates was the best starting point for developing more reliable emission estimates for anaerobic WWT systems.

SECTION 2

CONCLUSIONS AND RECOMMENDATIONS

This report contains the results of a project for measuring emissions of GHGs from WWT lagoons. Five sites were selected for testing. The selection intentionally included sites from several different industries: two beef processing plants, one chicken processing plant, and two POTWs. Open path monitoring using the FTIR/transect method was used to determine emission rates. A very large data set was generated, and up to 300 separate valid, 5-minute average emission rate determinations were made at a given site.

The air measurement data were reviewed to identify those compounds found in significantly greater concentrations in the downwind air versus the upwind air at each site. Any such compounds were likely to have been emitted from the lagoons being tested. Many of the target analytes were found at the same concentration levels upwind and downwind of the lagoons; i.e., they had no quantifiable emission rate. Only CH₄, NH₃, and the SF₆ tracer gas generally were present in greater amounts in the downwind air.

The minimum quantifiable emission rate varied from site to site and from one 5-minute period to another. The detection limit for a given compound, in terms of g/sec, is dependent on the smallest difference between downwind and upwind concentrations that could be identified apart from the measurement variability within each of the upwind and downwind data sets. Typical detection limits were about 0.1 g/sec for most compounds, except for CO₂, which had a minimum detection limit of about 150

g/sec. The high detection limit for CO_2 was due to the high background concentrations (e.g., 500 ppmv) and the measurement variability (e.g., %CV = 7.5%, or 37.5 ppmv).

For each increment of 0.5 ppmv (500 ppbv) that a given compound was present in greater concentrations downwind than upwind, its emission rate was about 1 g/sec (depending on the molecular weight of the compound).

The upwind data at the five sites showed average CH₄ concentrations ranging from 1.92 to 2.83 ppmv and average CO₂ concentrations ranging from 351 to 668 ppmv. The upper end of the range for both compounds is higher than typical background levels, indicating that other emission sources were present in the general area.

At all three meat processing plants, large amounts of CH, were detected downwind of the WWT system. For the two beef processing plants, the concentration of CH₄ (and NH₃) exhibited an exponential-type relationship with wind speed. The downwind CH, concentration at the chicken processing plant did not show a clear relationship between concentration and wind speed. At the chicken processing plant, however, the range of wind speeds was much smaller than for the meat processing plants and the number of valid measurement periods also was much smaller, making it more difficult to identify trends and relationships.

Some total non-methane hydrocarbons (TNMHC) were detected at certain sites, but the FTIR method is not particularly well-suited for measuring this analyte. Only an approximate value can be determined based on the stretch of the total number of C-H bonds present. Hydrogen sulfide was not conclusively detected at any of the sites. However, the detection limit for H₂S by FTIR is about 1 ppm, so the method is not well-suited for measuring this analyte.

Very low levels of chlorinated solvents were detected in some of the upwind and downwind air samples (e.g., 1-10 ppbv). The reported values, while low, are substantially higher than typical data reported from canister/GC studies (e.g. <1 ppbv).

The emission rates measured at each site for CH₄, NH₃, and other selected compounds are given in Table 2-1. Surprisingly, no quantifiable emissions from the POTWs were found. It was expected that either CH₄ or CO₂ would be emitted from the POTWs. The DO level in the lagoons exceeds 2 mg/L, indicating that BOD removal is taking place under aerobic conditions. So it is highly probable, that CO₂ is being generated, but the levels were too small to detect given the very high minimum emission rate of CO₂ that could be quantified.

In general, anaerobic degradation can be expected to produce a mixture of CH₄ and CO₂ (in somewhere between a 50:50 and a 70:30 ratio). Therefore, emissions of CO₂ would be expected wherever quantifiable emission rates of CH₄ were found. The lack of quantifiable CO₂ emission rates may be due to the high detection limit for CO₂ emission rates, as previously discussed. The absence of CO₂ emissions also could be due

to the presence of cyanobacteria (bluegreen algae) in the anaerobic lagoons. The wastewater data for all three meat processing plants are very similar, with the two beef processing plants showing very good agreement. All three WWT systems had high BOD removal rates (88-95%), as well as high removal rates for COD, TOC, and nitrates. All three WWT systems at meat processing plants generated large amounts of ammonia as a by-product of the biodegradation of the wastewater. The only parameter that showed variable behavior from system to system was TKN.

The two POTWs had similar influent wastewater and exhibited similar performance in terms of removal of BOD, COD, TOC, TKN, and ammonia. Both systems generated nitrates as a by-product of biodegradation.

Activity factors were developed for each site based on information provided by the plant operators and from the wastewater data. Emission factors were developed for each site by dividing the average emission rates by the activity factors for each site. The resulting emission factors are given in Table 2-2. For CH₄, the emission factor based on COD should be the best predictor of emissions from other facilities. COD data, however, are not always available and estimates based on other activity factors may be necessary. Therefore, a variety of emission factors are included in Table 2-2.

An estimate of the uncertainty was developed through standard error propagation methods. The derived emission factors all appear to be reliable to within a factor of two, based on random error in the measurements, and assuming

Table 2-1
Measured Emission Rates of Selected Compounds for Each Field Site

Site	Compound	Average Downwind Conc. (ppm)	Average Upwind Conc. (ppm)	Maximum Downwind Conc. (ppm)	Average Emission Rate (g/sec)
Beef Processing	CH.	61.9	2.3	142	280
Plant in SW U.S.	NH ₃	355 ppb	0	609 ppb	2.2
Beef Processing	CH₄	58.1	2.83	200	230
Plant in Midwest U.S.	NH ₃	1.04	0.277	2.06	3.5
Chicken Processing	CH.	9.80	1.92	29.9	180
Plant in SE U.S.	NH ₃	2.6 ppb	2.8 ppb	44.1 ppb	0.066
	N₂O	563 ppb	542 ppb	586 ppb	2.6
POTW for Small	CH.	2.20	2.14	2.46	<0.15
Town in Southwest U.S.*	NH ₃	0.2 ppb	0	15.4 ppb	<0.05
	CO ₂	342	351	384	<150
POTW for Very	СН	2.11	2.16	2.81	<0.15
Small Town in Southwest U.S.*	NH ₃	93.3 ppb	25.5 ppb	214 ppb	<0.05
	CO ₂	528	668	691	<150

^a Methane, carbon dioxide, and ammonia values are shown for the POTWs for comparison purposes. No quantifiable emissions of these compounds were detected at either POTW.

Table 2-2 Average Emission Factors

Compound	Emission Factor	Average	Range
	g CH4/head of cattle	4,200	3,500 - 4,800
Methane	g CH ₄ /chicken	120	n/a
	g CH ₄ /kg meat	37	15 - 74
	g CH_/L of wastewater	2.7	1.6 - 4.6
	g CH4/g influent BOD	1.5	0.40 - 3.2
	g CH ₄ /g BOD removed	1.6	0.43 - 3.4
	g CH ₄ /g COD removed	0.96	0.26 - 2.0
	g NH ₃ /head of cattle	46	37 - 54
Ammonia .	g NH ₂ /chicken	0.046	n/a
,	g NH3/kg meat	0.14	0.027 - 0.24
	g NH ₃ /L of wastewater	0.014	0.0017 - 0.028
	g NH ₃ /g influent BOD	0.40	0.0031 - 1.2
	g NH3/g NH3 in effluent	0.072	0.020 - 0.13
	g N₂O/chicken	1.8	N/A
Nitrous Oxide	g N₂O/kg meat	1.1	N/A
	g N ₂ O/L of wastewater	0.067	N/A
	g N₂O/g BOD removed	0.051	N/A
	g TKN removed	1.7	N/A

N/A = Not applicable

that the sites and samples accurately represent the population of interest.

The COD content of the influent wastewater should be a better indicator of its CH₄ emission potential than the BOD content. The 5-day BOD test will not fully degrade all of the biological material in wastewaters containing proteins and fatty acids. The suspended solids associated with the wastewaters also are biodegradable and their ultimate BOD would not be exerted in the 5 days it takes to run a standard BOD test.

It is possible that the lagoons are a sink for suspended and colloidal material (i.e., insoluble BOD) and this material builds up over time in the lagoon sediments. If so, the degradation of the sediments may occur during summer months or whenever the sediment is resuspended, thereby increasing the CH₄ (and CO₂) emissions. However, no seasonal trend is evident in the BOD effluent levels in the long-term wastewater data provided by the plants and shown in Appendix G.

A number of previously published studies contain estimated or measured values for the emission fluxes of CH₂ from liquid surfaces or slurries. The key comparison is the emission flux (i.e., emission rate per area). The average CH₄ emission flux for the three meat processing plants ranged from 6,100 to 23,000 µg/sec-m². Results for livestock lagoons in previous studies were similar (1.400 to 9.400), as were measurements at a manure tank (1,300 to 3,800). The emission flux from municipal WWT systems, industrial WWT systems, and rice paddies were substantially lower, as expected given the much lower BOD and COD levels in such waters.

There are very few published emission factors which can be compared with the emission factors developed in this study. The most widely reported emission factor for CH₄ is 0.22 g CH₄/g BOD. The reference for this factor does not provide information about how it was developed. It is very close to the theoretical value for the anaerobic degradation of glucose. The emission factors determined in this study are substantially higher than those based on glucose degradation. Glucose is a simple sugar and its biodegradation over short periods of time cannot be directly compared with the microbial degradation of complex mixtures of amino and fatty acids, such as are present in the wastewaters at the meat processing plants.

2.1 Conclusions

Several conclusions can be drawn from these data and the data presented elsewhere in this document:

- The FTIR measurement approach used in this study was successful for the simultaneous collection of large amounts of ambient concentration data for CH₄ and NH₃;
- The use of the OPM-TM approach using FTIR for estimating emission rates has insufficient sensitivity for certain compounds, such as H₂S and TNMHC, due to limitations in the FTIR analysis. The sensitivity for CO₂ is limited by the variability in background concentrations and the OPM approach;

- Anaerobic WWT lagoons are a significant source of CH₄ and NH₃ emissions; and
- Lagoons at POTWs are not a significant source of any GHG, with the possible exception of CO₂.

2.2 Recommendations

Several recommendations merit consideration for any similar studies performed in the future. First, emission rate measurements should be performed using a flux chamber placed directly on the source to provide greater sensitivity for CO₂, TNMHC, and other compounds which potentially are being emitted at low rates. It also will serve as a independent check of the OPM-TM results. A minimum of six measurements per source is recommended in

the EPA reference method to obtain a representative average emission rate and information about the spatial variability in emissions.

Second, samples should be collected of the sediments present in the lagoons and analyses performed to determine the contribution of the sediments to the overall gas generation. This is primarily of importance for sites where long-term data are not available on the performance of the WWT system.

Other topics of potential interest include evaluation of the effect of seasonal temperature fluctuations on biodegradation and emission rates and measurement of N₂O emissions from identification basins at POTWs.

SECTION 3

SITE DESCRIPTIONS

This section contains an overview of the site selection process and a description of each site selected for field testing.

3.1 <u>Site Selection</u>

As stated in Section 1, the site selection focused on U.S. WWT systems that employ open, anaerobic processes to achieve high levels of BOD removal. Approximately one dozen industries that treat large volumes of wastewater and remove large amounts of BOD/COD were identified using published information sources. Researchers active in the WWT area and regulatory personnel were contacted to identify the industries most likely to treat wastewater with high levels of BOD/COD in open, anaerobic lagoons. Initially, the most promising candidates were beef and poultry processing plants and pulp and paper mills, but pulp and paper mills ultimately were removed from consideration because of the small amount of BOD removal by anaerobic processes in that industry. Publicly owned treatment works also were of interest because they are used to treat a significant fraction of wastewater both nationally and globally and because they were thought to be a potentially significant source of N₂O emissions.4

Information was collected from published information sources; EPA regulatory personnel, project files, and reports; and researchers in the WWT area to identify potential sites for field testing. The following criteria were developed to evaluate sites for sampling:

- WWT system is likely to emit CH₄ or other GHGs;
- Facility type is among those treating the largest annual mass of BOD/COD in wastewater;
- WWT source is representative of practices within the industry or is representative of WWT practices in developing countries;
- Influent BOD/COD loadings are relatively high;
- BOD/COD removal primarily occurs in anaerobic lagoons;
- Site terrain is conducive to
 Gaussian plume dispersion (i.e.,
 reasonably level terrain, few wind
 flow obstructions such as buildings
 and trees, low berms around the
 lagoons);
- Site has no or few other significant emission sources in the area;
- Access around the lagoon is adequate for the set-up of the sampling equipment;
- Site has access for collecting influent and effluent wastewater samples; and
- On-site WWT operators offer a high degree of cooperation.

Five sites were selected for testing. Presampling surveys were conducted at these sites to confirm that they met the siteselection criteria for sampling. The sites are as follows:

- Beef processing plant in the southwestern (SW) U.S.;
- Beef processing plant in the midwestern U.S.:
- Chicken processing plant in the southeastern (SE) U.S.;
- POTW for a small town in the SW U.S.; and
- POTW for a very small town in the SW U.S.

Each of the three industrial plants is considered to be a representative plant within its industry, and the WWT units at these plants are modern facilities. All three WWT units are considered to be large-capacity systems. Both of the POTWs are relatively small systems.

Table 3-1 summarizes the wastewater characteristics of each plant. Additional information about each plant is given below, along with a schematic diagram of each plant.

3.2 Beef Processing Plant - SW U.S.

The plant processes 5,000 head per day of cattle and produces both beef and partially tanned hides. The production rate is 1,140,000 kg beef (2.5 million lb beef) per day. There are two WWT influents: 11 million liters per day (3 million gallons per

day [MGD]) from the slaughter of cattle and 4 million liters per day (1 MGD) from tanning operations. The WWT system for this plant is depicted in Figure 3-1.

The tannery water first is treated in a series of tanks to remove solids, which are applied at agronomic rates on land used for agricultural purposes. Following removal of solids, the tannery water is combined with water from the meat processing and split evenly among four anaerobic lagoons that are each 91m by 69m and 4.9-5.2m deep (300 ft by 225 ft and 16-17 ft deep). The lagoons are cleaned out about every five years, and the last time they were cleaned was about five years ago. Since the last cleaning, the treatment system has been modified to add pretreatment of the tannery wastewater to remove solids. This pretreatment may allow the lagoons to go longer between cleanings. The outflow from the four basins goes to a small aeration basin with four large surface aerators. The water is discharged to playas (shallow, undrained basins) and ultimately is used for irrigation of the land surrounding the plant. The anaerobic lagoons reduce the BOD concentration of the wastewater from about 2,800 to 200-300 mg/L.

The anaerobic lagoons had little or no grease cover at the time of the sampling, (August, 1995). The southernmost lagoon occasionally receives a load of grease dumped into it by trucks. That lagoon had the most complete cover, but it appeared to be only a few inches thick and was fluid. The other lagoons had 50% or more of their surface as open water. Vigorous degassing was noted in several of the

Table 3-1
Wastewater Treatment System Characteristics

Company Name	Influent Flow Rate (MGD)	Retention Time (days)	Typical Influent BOD (mg/L)	Typical Effluent BOD (mg/L)
Beef Processing Plant - SW U.S.	4	8 **	2,800	200-300** <200
Beef Processing Plant - Midwest U.S.	3.0	15 **	2,500	250
Chicken Processing Plant - SE U.S.	0.9	17 ** 25 total	1,700-2,900	104-150**
Small Town POTW - SW U.S.	0.290	85	250	15
Very Small Town POTW - SW U.S.	0.04	94	150	40-100

^{**} Value for anaerobic lagoon(s) only, not for entire WWT system.

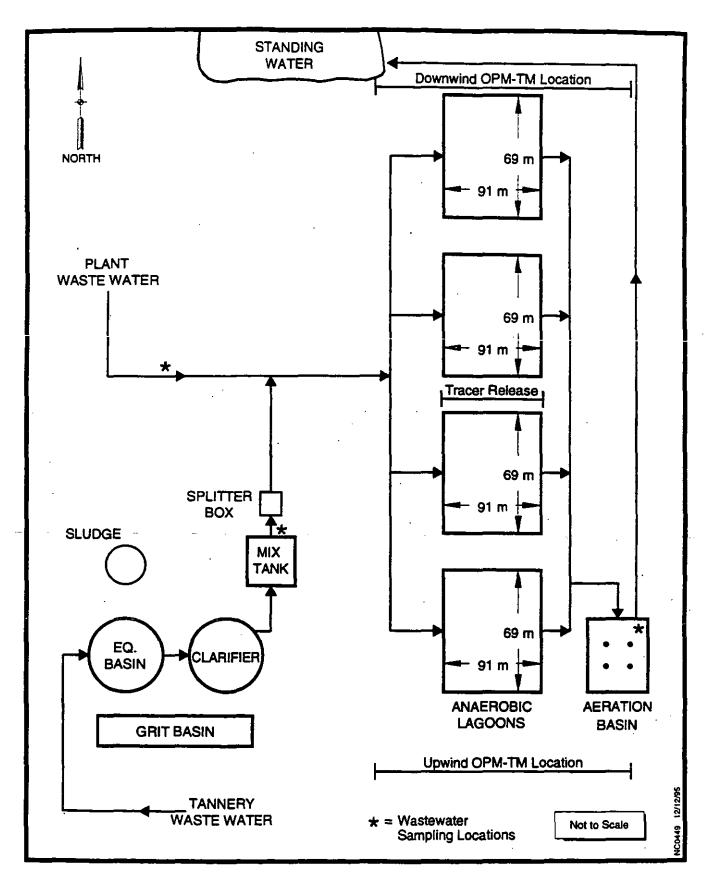


Figure 3-1. Wastewater Treatment System - Beef Processing Plant in SW U.S.

anaerobic lagoons. At times, there was a strong odor (probably caused by sulfur and organo-nitrogen compounds)downwind of the plant itself and downwind of both the WWT tanks and the lagoons.

The berms around the lagoons are very low and were accessible on all four sides. The atmospheric dispersion characteristics at this site are ideal; the area is very flat and there are no trees or buildings anywhere close to the lagoons. The predominant winds are southerly during most of the year and northerly during the winter months; easterly and westerly winds are uncommon. Winds typically are quite strong (i.e., 5m/sec more).

The wastewater sampling locations are shown in Figure 3-1 and the OPM-TM monitoring locations are shown in Figure 3-2. Sampling was conducted from August 21-25, 1995. The winds were consistently from the south throughout the sampling effort. Upwind data were collected the first day of sampling using the FTIR positioned on the southernmost berm of the lagoon system. The FTIR was subsequently repositioned to the northernmost berm of the lagoon system for collection of downwind data.

Inlet wastewater samples were collected within the plant at a lift station. Separate samples were collected for each of the two major waste streams. There were no access points for collecting effluent water from the total lagoon system or from individual lagoons; effluent samples were collected from the aeration basin by dipping water from the area immediately above the pipe where effluent is withdrawn.

3.3 <u>Beef Processing Plant - Midwest U.S.</u>

The plant processes 5,600 head per day with a production rate of 1,270,000 kg beef (2.8 million lb beef) per day. The plant generates about 11.4 million liters per day (3.0 MGD) of wastewater, which includes the water from both beef processing and tannery operations. Grease is removed from the wastewater within the plant at dissolved air flotation (DAF) units. The WWT plant is about 8 km southwest of the main plant.

The WWT system is shown in Figure 3-3. Wastewater from the processing and tannery operations is combined and treated in parallel in four large anaerobic lagoons that are each about 61m by 107m by 6m deep (200 ft by 350 ft by 20 ft deep). Each lagoon holds about 40 million liters (10.5 million gallons), and the retention time of the anaerobic section is about 15 days. After the anaerobic treatment, the wastewater is sent to several large storage basins and ultimately is used as irrigation water on surrounding agricultural lands. There are also two impoundments with an aeration system downstream of the anaerobic lagoons, but this system is inactive and no wastewater is sent to these impoundments. The plant and the lagoons have been in service since 1981. The lagoons have been dredged several times to remove inorganics and grit, most recently during the summer of 1994. The southwest anaerobic lagoon was drained on September 1, 1995.

The influent wastewater contains about 2,500 mg/L of BOD and the system achieves about 90% reduction in BOD. At the time of the sampling, there was very little floating

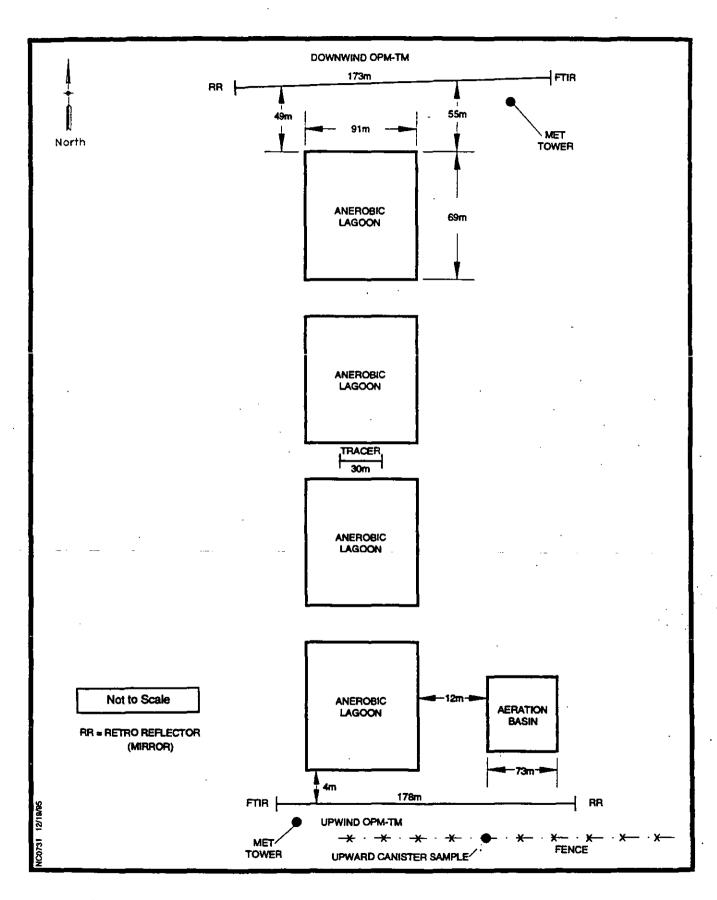


Figure 3-2. Air Sampling Locations At Beef Processing Plant in SW U.S.

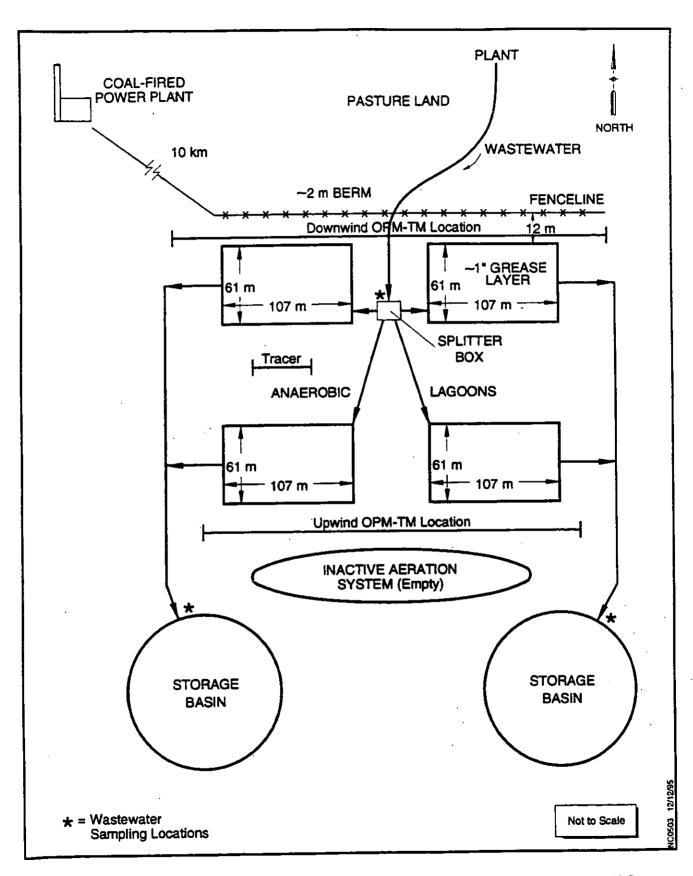


Figure 3-3. Wastewater Treatment System - Beef Processing Plant in Midwest U.S.

grease on the anaerobic lagoons and active degassing was visible in the lagoons, but the odors downwind of the system were minimal. Each of the four lagoons had about 1m (3-4 ft) of freeboard.

The area around the WWT system is pasture and crop land. No feedlots or other large emission sources were noted within several miles of the lagoons. The land to the south of the WWT system is flat for several miles, and the land to the north is relatively flat and open. Typical summertime winds are from the south.

The wastewater sampling locations are shown in Figure 3-3 and the OPM-TM monitoring locations are shown in Figure 3-4. Sampling was performed from August 28 to September 1, 1995. The winds were southerly throughout the sampling effort. Upwind data were collected the first day of sampling using the FTIR positioned on the southern most berm of the 2x2 matrix of anaerobic lagoons. The FTIR was subsequently repositioned to the northern end of the lagoons for collection of downwind data. The FTIR beam was aimed along the road immediately north of the lagoons within the fenceline. This position was only about 12m (40 ft) from the downwind edge of the nearest lagoon, but the fence and the undulating terrain precluded monitoring further downwind.

The influent wastewater samples were collected from the splitter box before the wastewater was divided into the four anaerobic lagoons. The samples were taken by dipping a container into the center of the compartment where the influent entered the box. Separate effluent wastewater samples were collected by the same method at the

inlet pipes to the east and west storage basins.

3.4 Chicken Processing Plant - SE U.S.

The plant processes 3.2 million chickens per month with a weight of 1.6 to 1.7 kg (3.5 to 3.8 lb) per bird. The production rate of the plant is 64,000 metric tons/year (70,000 tons/year). The plant generates 3.4 million liters (900,000 gallons) of wastewater per day (21L or 5.5 gallons per chicken that is processed). The WWT system for this plant is shown in Figure 3-5. The wastewater goes to an 8-year-old, 57 million liter (15 million gallon) anaerobic lagoon that is 59m by 133m and almost 5m deep (195 ft by 435 ft and 15-16 ft deep). The lagoon has not been dredged since it was constructed in 1987. After the anaerobic treatment, the wastewater is sent to an aeration tank and clarifier. The sludge is sent to a lagoon located directly east of the anaerobic lagoon. Overflow from the clarifier is discharged to surface water.

The anaerobic lagoon is covered by a floating grease layer that is thick and rigid. After a rain, rainwater percolates down through the grease layer, indicating that it is gas-permeable. There was no visible offgassing at the time of the sampling (September 4-8, 1995). The wastewater has a BOD concentration of 1,700 to 2,900 mg/L. BOD is monitored monthly at the inlet and twice per week at the outlet of the system.

The anaerobic lagoon is surrounded by grass-covered berms, which were amenable to open path monitoring. The open area to the north of the lagoon is limited by a fence and, just north of this fence, is a forest. The

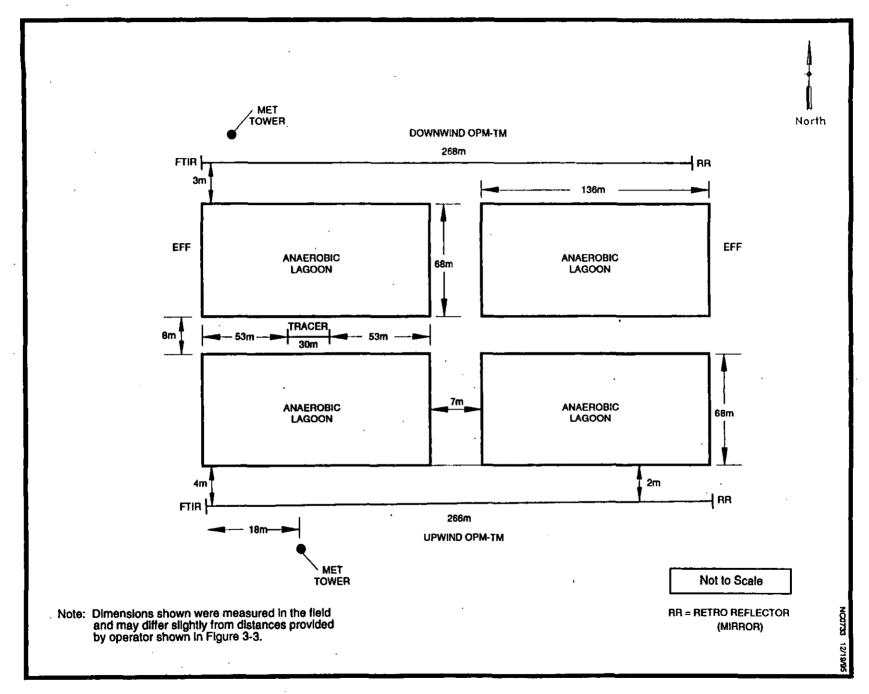


Figure 3-4. Air Sampling Locations At Beef Processing Plant in Midwest U.S.

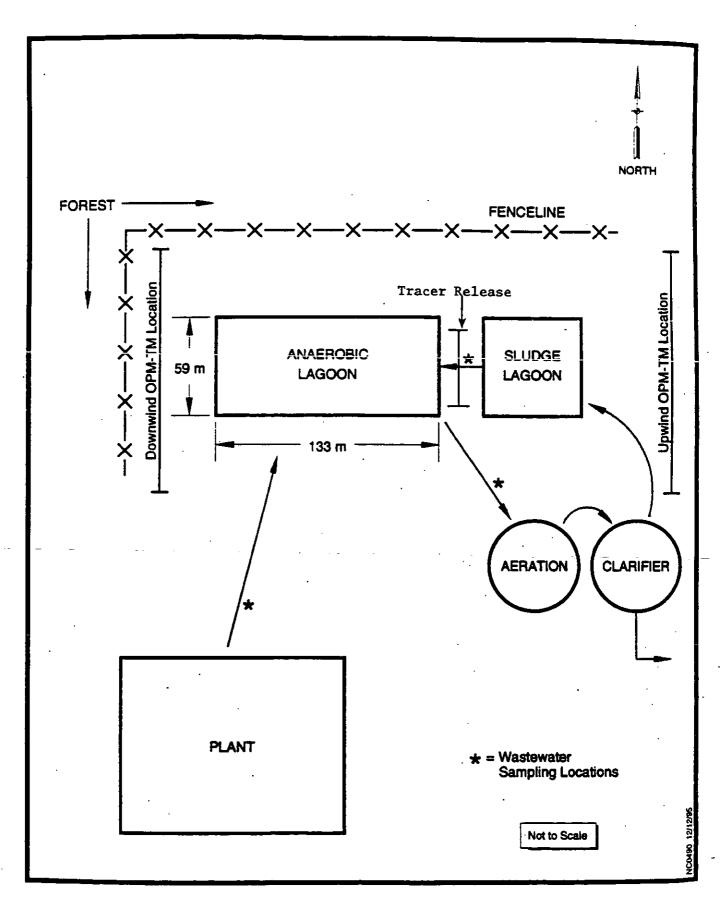


Figure 3-5. Wastewater Treatment System - Chicken Processing Plant in SE U.S.

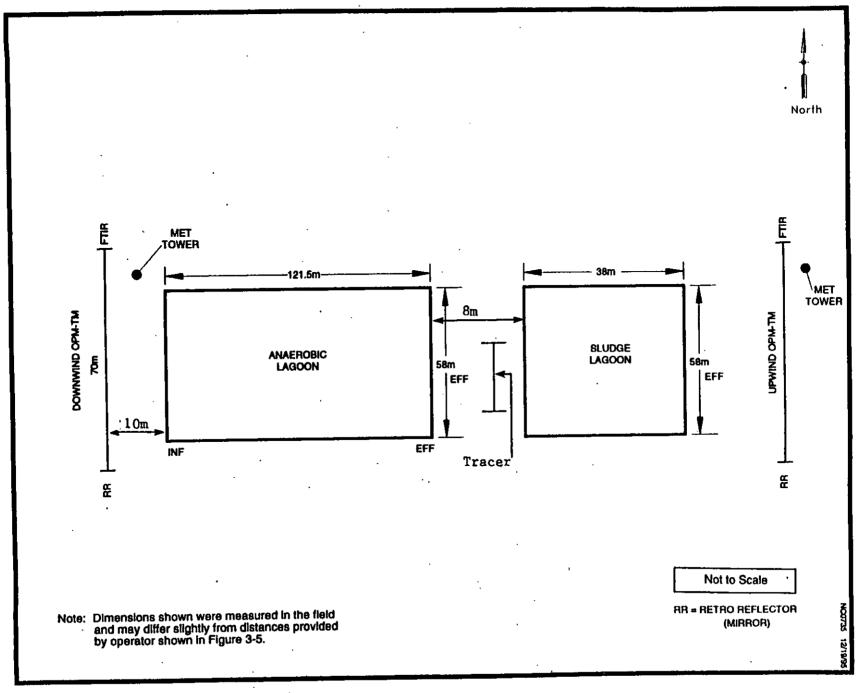


Figure 3-6. Air Sampling Locations At Chicken Processing Plant in SE U.S.

trees may affect wind speed and direction in the immediate area. The area to the south of the lagoon is much more open for at least 50m and was preferable for sampling.

The wastewater sampling locations are shown in Figure 3-5 and the OPM-TM monitoring locations are shown in Figure 3-6. Inlet wastewater samples were collected in the offal room from a pipe roughly 3.7m (12 ft) in diameter that has a constant flow into a floor drain. Effluent wastewater samples were collected inside the pump station building at the discharge from the anaerobic lagoon into the aeration pond. Other effluent samples were taken by dipper from the pipe connecting the sludge lagoon and the anaerobic lagoon.

3.5 Small Town POTW in SW U.S.

The POTW serves a town of about 5,000 people. It is located just outside of town next to a golf course and treats about 1.1 million liters/day (290,000 gallons/day) of wastewater. The WWT system is shown in Figure 3-7. Wastewater goes to a lift station, followed by a facultative lagoon, then on to two oxidation lagoons, and then to a final storage lagoon. (Facultative lagoons are unaerated lagoons with the surface water layer being aerated by wind action and the lower water layers being anaerobic.) The facultative lagoon is 216m by 63.4m and 2-3m deep (710 ft by 210 ft by 8 ft). The first of the two oxidation lagoons is 227m by 70m by about 1.2m deep (745 ft by 230 ft by 4 ft), and the second is 122m by 152m and also about 1.2m deep (400 ft by 500 ft by 4 ft). The wastewater then goes to a large storage lagoon that is 122m by 244m (400 ft by 800 ft) and varies in depth from 0-1.5m (0-5 ft).

The POTW was built in 1992 and had been in operation for 2.5 years at the time of sampling. The influent is predominantly residential wastewater, plus wastewater from a pecan shelling operation and from a 500-bed prison. The discharge from the plant is less than 380,000 liters/day (100,000 gallons/day) of water. Effluent is used to irrigate the adjacent golf course, but up to 380,000 L/day may be discharged to a nearby river.

The typical BOD loading of the influent water is 250 mg/L, and the effluent typically has less than 15 mg/L of BOD.

There are no known large emission sources near the plant. The surrounding terrain is reasonably flat and open. There is a large, open field to the north of the lagoons. It was not possible to measure the total air emissions from the facility, but it was possible to isolate emissions from the facultative and the first oxidation lagoon.

Sampling took place from October 2-6, 1995. The wastewater sampling locations are shown in Figure 3-7 and the OPM-TM monitoring locations are shown in Figure 3-8. Influent wastewater samples were collected from the inlet pipe located across the road from the treatment facility. Samples were collected by dipping a container through a manhole via a pipe 0.6m (2 ft) in diameter. Effluent samples were collected in the same manner from the transfer station where water flows from the first oxidation pond into the second oxidation pond. A final effluent sample was taken from the storage pond at the discharge to the pump station.

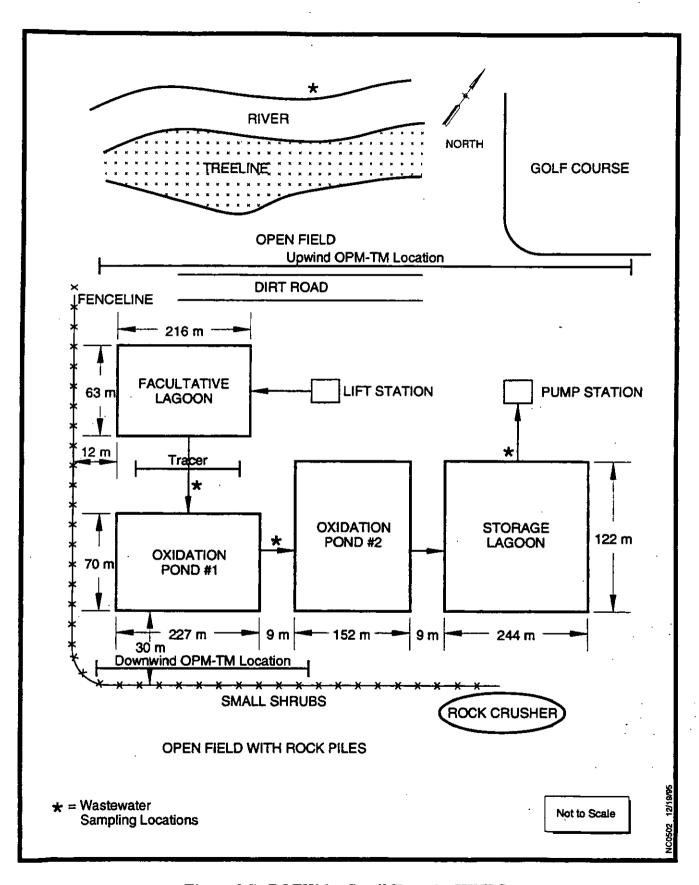


Figure 3-7. POTW for Small Town in SW U.S.

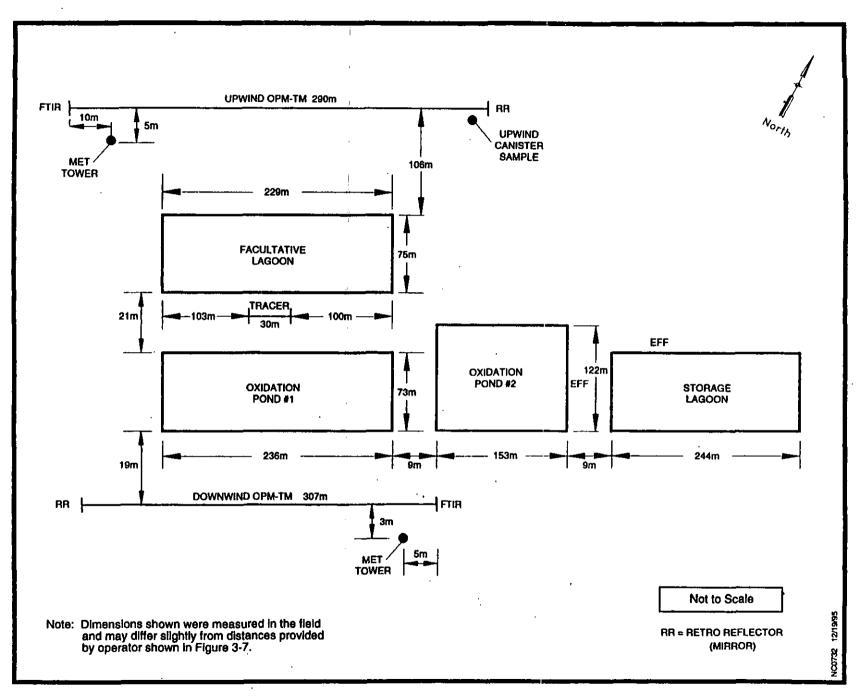


Figure 3-8. Air Sampling Locations at Small Town POTW in SW U.S.

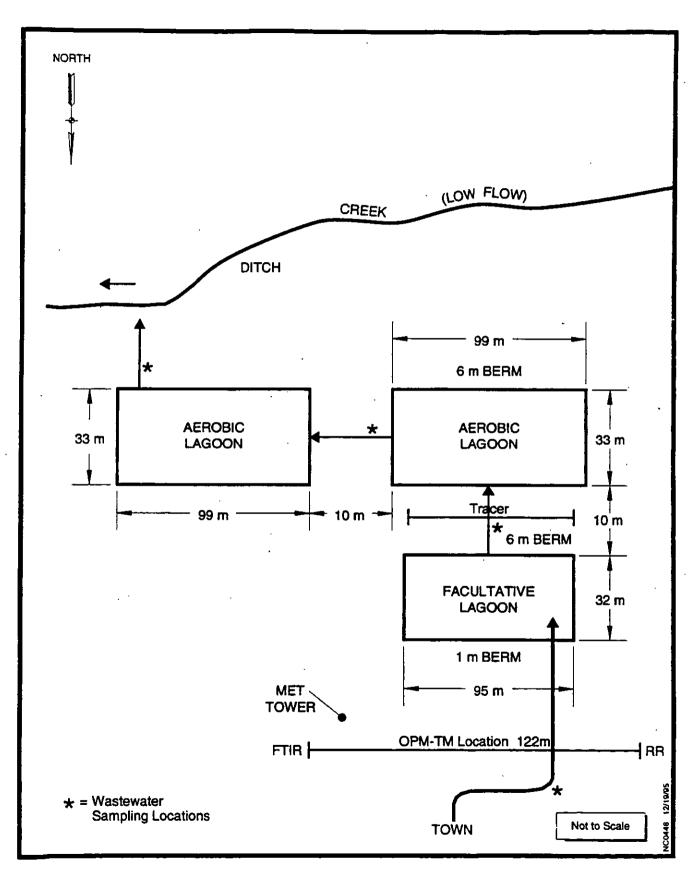


Figure 3-9. POTW for Very Small Town in SW U.S.

3.6 Very Small Town POTW in SW U.S.

The POTW serves a town of about 560 people. All the wastewater is household. No business, industry, or commercial car washes send water to the POTW. No stormwater is sent to the POTW. There are, at most, only two in-sink garbage disposals in town, so relatively little kitchen waste is sent to the POTW. The typical daily influent flow rate is about 167,000 liters (44,000 gallons).

The POTW is shown in Figure 3-9. The plant is built on a gently sloping hill. The POTW consists of one facultative and two aerobic lagoons with gravity flow. The facultative lagoon is designed for a loading of 251,100 L/day (66,340 gallons/day) with 50 kg (111 lb) of BOD. The water level area is 95m by 32m (310 by 105 ft), with 25% of the lagoon 2.7m (9 ft) deep and the remainder 1.8m (6 ft) deep. The side wall slopes are 3:1. The lagoon is designed to achieve 50% removal of BOD. The two aerobic ponds are in series and are designed to provide a further 90% reduction in BOD levels. The water level area of each pond is 33m by 99m (110 by 325 ft). The side wall slopes are 3:1, and the water depth of each pond is 1.2m (4 ft).

At the time of sampling, there was 1.2m (4 ft) of freeboard for each lagoon. A slight

odor was noted downwind of the lagoons. Final effluent discharge is into a creek with very low flow.

The predominant summertime winds are from the south or southeast, but a series of storm fronts moved through the area during the sampling period (July 31-August 4, 1995), and the day-to-day wind direction was variable. Open-path monitoring was performed just south of the lagoons within the fenceline of the facility. Emissions from the facultative lagoon and first aerobic lagoon were monitored; emissions from the second aerobic lagoon were not captured. Logistical constraints limited where upwind monitoring could be performed, but with the variable wind direction at the site, it was possible to collect upwind data at the same location where downwind data were collected. There are no other emission sources in the general area, so this approach is valid.

Influent wastewater samples were collected by dipping water from the influent watercourse about 50m upstream of the facultative lagoon. Effluent wastewater samples were collected from the transfer stations where water flows from one lagoon to another and at the weir where water is discharged to the creek. Effluent samples were collected from each of the three lagoons.

SECTION 4

TECHNICAL APPROACH

This section describes the sampling, analysis, and sample handling procedures followed during this program.

4.1 Sampling Procedures

Three air measurement approaches were employed. In one approach, emission rates from lagoons were measured using the transect method. The actual air measurements were made using an FTIR spectrometer employed as an Open Path Monitor; this approach is referred to as OPM-TM. In the second approach, ambient air concentrations were measured using evacuated, stainless-steel canisters. This approach was used as a QC check of the FTIR results. Lastly, meteorological parameters were collected using standard continuous monitoring methods.

Influent and effluent wastewater samples were collected using grab sampling techniques. The temperature, pH, and dissolved oxygen content of the wastewater were measured in situ.

All of these methods are described in detail below.

4.1.1 OPM-TM

Emission measurements were made approximately 50 meters downwind of the source. At each site, the FTIR was configured to intersect and horizontally encompass the downwind emission plume. In addition, a set of upwind measurements was made to characterize the background concentration of the target compounds. The

background concentrations were subtracted from the concentrations measured downwind of the site.

For any given site, the first day or two of sampling was used to unpack and set up the FTIR and the meteorological station. The upwind measurements were made, and the equipment was then repositioned for the downwind measurements. The FTIR was set up to run automatically during both daylight hours and overnight. The next two to three days generally were used to release tracer gases and determine the emission rate of the GHGs of interest. Data also were collected on the plume capture percentage and, at two sites, the vertical dispersion.

The theory of transect sampling and the equipment used are described below.

OPM-TM Theory of Operation⁵

The transect technique is an indirect emission measurement approach used to map emission plumes. This sampling method is illustrated in Figure 4-1. As illustrated, the centerline of the source gas plume (X) is transected by the sampling axis (Y) at a measured distance downwind of the emission source. The vertical profile can be determined by several methods, for example, by using a tracer gas in conjunction with the FTIR measurements.

If the total cross-sectional area of the plume is covered during the sampling, the plane of sampling is perpendicular to the prevailing wind, and the species

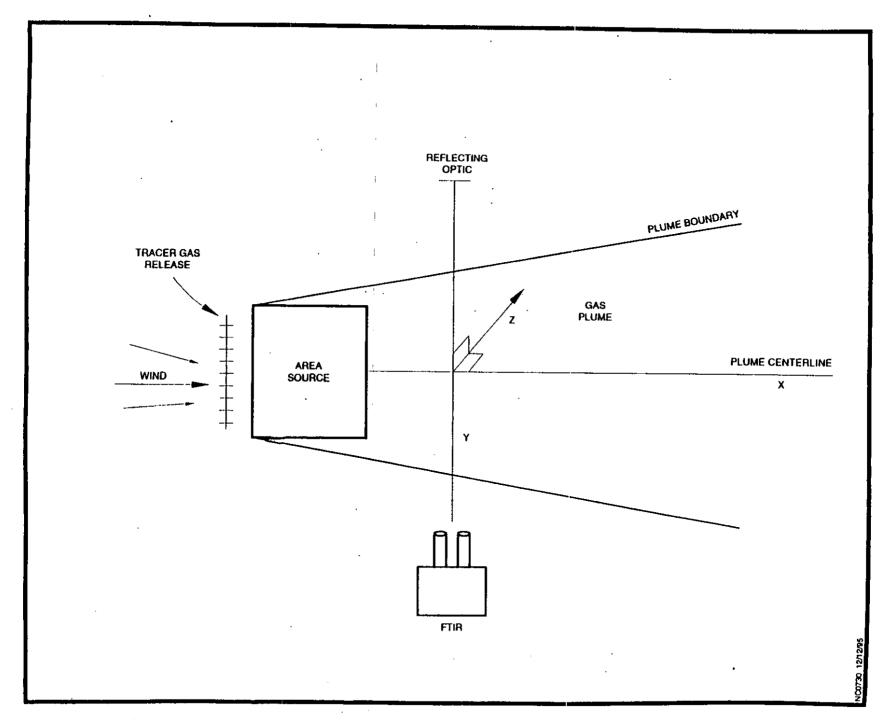


Figure 4-1. Transect Sampling Using Open-Path Monitoring

concentration is constant, then the species concentration in the plume at the sampling plane is equal to the amount being emitted.

The primary advantage of transect sampling is that it is applicable to most emission sources, regardless of size and spatial homogeneity. The method has several potential disadvantages. One disadvantage is that sampling can only be conducted if the meteorological data are within preset limits. Sampling during light and variable winds may not yield acceptable data. A second disadvantage is that it may be difficult to isolate the contribution of the emission source of interest from adjacent or upwind sources. Another disadvantage is that this approach is based on measurement of ambient air downwind of a source, so the measurement methods used must have a high degree of sensitivity (i.e., low detection limits).

A variety of air sampling methods can be used with the transect approach. Traditionally, a series of point samplers have been used along the Y and Z axes to collect a time-integrated sample. This approach has several potential disadvantages: 1) the time resolution is limited by the integration period; 2) a series of point samples can provide only an approximation of the average plume concentration; and 3) the number of point samples required to adequately define the emission plume results in relatively high analytical costs. In this study, an FTIR measurement system was used and the concerns listed above, therefore, are not applicable.

The light beam from the FTIR interacts with the molecules along the entire light path. Thus, the measurement of a given parameter by the FTIR is a path-integrated concentration and has units of concentration times the pathlength (e.g., ppm*meters). The FTIR transmitter/receiver and the retroreflector mark the ends of the path through which the entire emission plume must pass. This path length can be as long as 350 meters (700 total). The exact path length required to ensure that the plume is captured is dependent upon the wind speed, the distance from the source, and the variability in the wind direction.

Emission rates for specific compounds are developed from the ambient air concentration data obtained during the transect sampling. The approach used typically is a basic Gaussian plume model equation for a ground-level, non-buoyant point source. The derivation of this approach has been published.6 The crosssectional area of the plume is determined from σ_{ν} and σ_{ν} and multiplied by the wind speed to determine the mass of contaminants moving through a given cross section of the plume over time (i.e. the emission rate at the source). The horizontal encompassing of the plume using the FTIR allows the source term to be calculated using the following equation:

$$Q(t) = \sqrt{\frac{\pi}{2}} * U * \sigma_z * \chi \qquad (Eq. 4-1)$$

where:

Q(t) = emission rate (g/sec); U = mean wind speed (m/sec);

 σ_z = vertical dispersion (m); and

χ = ground-level path-integrated concentration (g/m²).

The use of a tracer gas in this study allowed for a simpler method of calculating the source term. The ratio of the measured concentrations of the tracer gas and the

compound of interest is multiplied by the known emission rate of the tracer gas to obtain the emission rate of the compound of interest⁷:

$$\frac{Q(t)_{\text{source}}}{Q(t)_{\text{tracer}}} = \frac{\chi_{\text{source}}}{\chi_{\text{tracer}}}$$
 (Eq. 4-2)

where:

 $Q(t)_{tracer}$ = emission rate of tracer (g/sec);

 χ_{source} = measured gas path-weighted

conc. ($\mu g/m^2$); and

 χ_{tracer} = measured tracer gas pathweighted conc. ($\mu g/m^2$).

Strictly speaking, this equation is valid only when the emission source is a point source. However, the approach is valid for line or area sources if the tracer gas exhibits similar behavior to the emission plume. This approach is limited by the degree to which the tracer release approximates the emission source and, in some cases, by differences in atmospheric transport between the tracer gas and the compound(s) of interest.

Ambient Air Monitoring (AAM) data obtained from OPM systems are in pathweighted units of ppm*meter or $\mu g/m^2$, rather than the more conventional units of μg/m³ or ppm. The FTIR directly measures χ (in Equations 4-1 and 4-2), while U (in Equation 4-1) is measured by the local meteorological station. The OPM data can be divided by the path length to yield a pathaveraged concentration (in ppm or $\mu g/m^3$) along the path that is monitored. This average concentration is analogous to an average obtained from a line of point samplers. The OPM data, however, cannot be used directly to determine if the mass of emissions was equally distributed along the beam path or if there were localized "hot

spots" of relatively high air concentrations. Such information can be obtained only if multiple OPM configurations are used; for example, different path lengths could be used and the measured concentrations compared to identify when contributions from any hot spots are observed.

The vertical dispersion can be evaluated using a vertical array of point samplers, or it may be extrapolated from measurement of the wind direction standard deviation (sigma theta) by using Pasquill-Gifford stability classes and the associated dispersion curves. Recent studies have shown, however, that even with the measurement of sigma theta, σ_z values determined by stability class can be in error and introduce as much as 20-40 percent error into a source term measurement.

Another method to address vertical dispersion is to use a tracer gas on the site. The tracer gas is released at a controlled rate and the path-weighted concentration of the tracer is measured at a downwind line. Field measurements of σ_z performed using the tracer gas are preferred to extrapolated or estimated values. In this study, the FTIR measurements were made at a single height above ground. The vertical distribution of the emission plume will not affect the calculated emission rates as long as the emission plume and the tracer gas plume exhibit similar behavior.

In this study, σ_z was measured with the aid of a tracer gas. This can be expressed using Equation 4-1 in slightly rearranged form:

$$\sigma_z = \sqrt{\frac{2}{\pi}} * \frac{Q(t)_{tracer}}{\chi * U}$$
 (Eq. 4-3)

The determination of σ_z is considered valid if the wind speed is greater than 4 mph. The measured values can be compared to values from the Turner nomographs⁹ as a check of the reasonableness of the tracer data.

The key acceptance criterion to determine if transect data are valid is the percentage of the sampling period that the horizontal boundaries of the emission plume are within the sampling array, or for OPM-TM, within the light path. This was determined by checking to see that the wind direction was within 30° of placing the light path perpendicular to the plume and that the released tracer gas was detected by the FTIR unit.

As long as the tracer gas release mimics the release of gas from the source, the ratio technique is valid even if the plume is not Gaussian. Traditionally, however, transect sampling has not been done using a tracer, and the data's validity therefore has depended on the Gaussian nature of the plume and, consequently, on meteorological conditions. For a given sampling period, the meteorological criteria typically used to determine if data are valid are:

- The mean wind speed for the sampling period must be greater than 4 mph;
- The maximum wind speed (gust) must not be greater than three times the mean wind speed; and
- The dispersion class of D, E, or F
 (class C conditions may yield valid
 data).

The characterization of the upwind air was a key element of this study. The ambient concentrations measured downwind of the lagoons must be corrected for the upwind

concentration (i.e., the upwind concentration is subtracted out). One of the principle criteria for selecting sites was that no other emission sources be present near the facilities to be tested. This selection criterion helped ensure that the upwind concentrations would be relatively low and, most importantly, reasonably constant over time. The upwind air was sampled by FTIR for about 12 hours at the start of the study. In addition, two integrated upwind samples were collected in evacuated canisters each day of monitoring. However, logistical constraints or adverse meteorological conditions hampered the collection of data at an upwind location at some sites. In these cases, upwind data were developed using the existing data set from time periods when the emission plume did not cross the monitoring beam. The one analyte in the upwind air that did vary over time was water vapor. Therefore, relative humidity was continuously monitored to account for changes in water vapor concentration over time.

Another key element of the study was the meteorology encountered during the sampling periods at each site. The site geography dictated where the monitoring could occur at: some sites and the monitoring equipment could not be moved to catch short-term fluctuations in the wind direction, so the sampling was at the mercy of the wind conditions. Valid data could not be collected if the wind direction was highly variable, if the wind direction was not within the acceptance criteria, or if the wind speed was too low. The best conditions for monitoring frequently occurred during the nighttime hours. The lack of solar heating during the night results in more stable atmospheric conditions and less variability in the wind direction. The automated equipment used in this study allowed data to be collected continuously during both daytime and

nighttime hours. The five-minute averaging periods of both the FTIR and the meteorological sensors allowed valid data to be collected even if the periods of acceptable meteorological conditions were relatively brief.

Monitoring Equipment

The monitoring equipment for WWT lagoons included an FTIR-OPM, a meteorological station, and cylinders of tracer gases. The meteorological station was located on site within 30m of the FTIR unit and situated so as to avoid the downwash from the vehicle housing the FTIR. Data for both the FTIR and meteorological station were collected every five minutes and stored on a computer disk.

The FTIR was configured so that the light path was positioned based on the current and forecast wind direction. The equipment would have been moved as necessary to collect downwind ambient pollutant concentrations, but wind shifts were minimal.

The light path was situated approximately 50m downwind of the emission source. The farther the downwind distance, the better the Gaussian plume characteristics, but the lower the ambient concentrations to be measured. The equipment was moved closer to the lagoons where logistical constraints precluded sampling at a 50m distance.

Data were collected and analyzed in five-minute samples. A five-minute sample consists of approximately 230 independent measurements averaged to produce the sample value. The infrared spectrum for each sample file was time-stamped and saved to the computer. The FTIR system is capable of real-time quantitation of 25 compounds, and additional compounds may be quantitated

during post-processing if needed. Once quantified, the concentration data were timestamped and written to a data file. The concentration data also appeared on the computer monitor for on-site observation.

The meteorological station was used to collect temperature, wind direction, wind speed, and relative humidity data at a height of 3m (10 ft) above ground surface. These data were collected by the computer at five-minute intervals and written to the concentration data file described above. The following sensors were used:

Temperature—The temperature probe was enclosed in a naturally-aspirated radiation shield. The sensing element is a thermistor device specifically constructed to produce a linear resistance change; it is provided with a temperature translator and an analog 0-1 volt signal representing ambient temperature. Rated accuracy of the probe is ±0.25°C.

Wind Speed--Wind speed was measured using a 3-cup anemometer. A frequency-modulated output signal, proportional to wind speed, is received by the translator and converted to a 0-1 volt output. Rated accuracy is ±1% or 0.067 m/sec (0.15 mph), whichever is greater.

Wind Direction--Wind direction was measured using a light-weight vane rotating on a stainless-steel shaft. The wind direction translator provides a reference voltage to a low torque potentiometer. The wiper arm of the potentiometer is driven by the wind vane sensor, so voltage from the wiper is proportional to wind direction. Rated accuracy is ±0.5% or ±1.8 degrees.

Relative Humidity—A Met One relative humidity sensor was used to continuously

monitor the water vapor content in the ambient air on a continuous basis.

The tracer gas used was pure sulfur hexafluoride (SF₆). This gas is readily detected in the infrared spectrum, is non-reactive, is not present in the atmosphere as a background gas, and does not have any known health effects. The tracer gas was released at water level at the upwind side of the lagoon from gas cylinders through calibrated flow controllers at rates on the order of grams per second.

The tracer gas typically was released during three, twelve-hour periods at each site (1 cylinder has about a 12-hour capacity). The tracer gas was released from a 30-m line located about 0.5 m above the ground surface and 5-10 m upwind of the edge of the lagoon; every 4-5 m along the release line was a release point with a rotameter to set the flow rate. The total gas release rate was approximately 10 L/min. The tracer gas was released close to the edge of the lagoon and close to the ground surface to minimize any differences in dispersion between the source plume and the tracer plume. The tracer gas was released parallel to the ground to avoid any vertical momentum. When multiple lagoons were tested simultaneously, the release was at the midpoint.

4.1.2 Confirmatory Air Measurements

Several additional air concentration measurements were made at each site to confirm and augment the FTIR measurements. Samples were collected in evacuated, Summapolished, stainless-steel canisters with calibrated veriflow regulators for flow control. First, two 2-hr integrated air samples from the upwind location were collected each day approximately 50m upwind of the nearest lagoon (source). Second, two 20-minute

integrated air samples were collected twice each day that monitoring took place as a QC check. The canister was hand-carried alongside the FTIR light beam one meter downwind of the FTIR beam and at the same height above the ground as the FTIR beam during the sampling duration. The sampling interval coincided with four 5-minute averaging periods for the FTIR and meteorological measurements. Both types of samples were analyzed off-site for CH₄, CO₂, and TNMHC content. The downwind sample also was analyzed for the tracer gas. This provided a QC check of the CH₄, CO₂, and SF₆ values measured using FTIR.

4.1.3 Collection of Operational Data

Process operational data were collected for the waste lagoons to assist in the interpretation of the data collected from the monitoring and to develop emission factors. The data collected were as follows:

- Volume:
- Surface area;
- pH;
- temperature;
- BOD loading;
- COD loading;
- Nitrogen loading; and
- Dissolved oxygen content.

These and additional data were used to help estimate overall emissions, for comparison to activity factors, and to explain any data anomalies. Two influent and one effluent wastewater samples were collected during each day of air emissions testing. Samples were collected at the same locations used by plant personnel. Measurements were made on site for temperature, pH, and dissolved oxygen. BOD, COD, nitrate, and other analyses were performed off-site.

All wastewater samples were collected as grab samples by dipping or catching the influent or effluent wastewater. Influent wastewater samples were collected from the influent stream after screening and prior to the anaerobic or facultative lagoon. Effluent wastewater samples were collected at the discharge from the final lagoon in series. In some cases, the air emissions were measured from some, but not all, of the lagoons present at the site due to logistical constraints. In such cases, the effluent samples were collected from the last lagoon in series addressed by the air monitoring, and one or more additional samples were collected of the final effluent from the system.

4.2 Analytical Procedures

The analytical procedures used in this program are divided into three categories: air samples by FTIR, air samples by gas chromatography (GC), and wastewater samples by a variety of analysis methods.

4.2.1 Fourier Transform Infrared Spectroscopy

Fourier transform infrared (FTIR) spectroscopy was used to detect GHGs in real time on a continuous basis. The following discussion is based largely on work published by Griffith¹⁰. FTIR relies on the use of an infrared light beam, an interferometer, a detector, reflecting optics, and analysis software. Light from the infrared source is passed through an interferometer, which modulates the light intensity by moving a mirror. The light beam then is sent through a telescope toward a modified corner-cube reflector. The reflector returns the beam parallel to but displaced from the launched beam. The returning beam is collected by a second telescope and focused onto a detector.

The equipment specifications are given in Table 4-1.

Data Processing

The signal at the detector (i.e., the amount of light that has been transmitted through the atmosphere) is monitored and collected by the computer and assembled into an interferogram. The interferogram is the modulation of the light source intensity as a function of mirror displacement. The interferogram then undergoes a mathematical process called a Fourier transform and is converted into a single beam spectrum. Examples of an interferogram, a single beam spectrum, and reference spectra are given in a recent report for a similar study.

The single beam spectrum shows the intensity of the light which has been transmitted through the atmosphere plotted against wavenumbers (reciprocal centimeters; i.e., cm⁻¹). A wavenumber is inversely proportional to the wavelength of light, and different wavenumbers or wavelengths may be thought of as different colors of light. The spectrum represents the change in transmitted light intensity as the wavenumber (wavelength or color) of the light varies.

For quantitation purposes, the spectrum must be converted into an absorbance spectrum. This is accomplished by the following mathematical steps. The single beam spectrum is normalized by an instrument response function; i.e., one must account for all of the light which is lost because of the reflections within the instrument, reflections off the retroreflector, light scattering, etc. This normalization produces a transmittance function, represented mathematically as:

Table 4-1 FTIR Equipment Specification

Measurement	CH ₄ , CO, CO ₂ , N ₂ O, H ₂ O and selected, speciated VOCs
Principle	Infrared spectroscopy
Detector	Hg/Cd/Te
Noise equivalent absorbance on 300-m path	5X10 ⁻⁴
Number of analyses	12 or more per hour
Accuracy	±10%
Precision	±15%
Computer control	Dell Dimension XPS90
Analysis software	Nicolet OMNIC
Configuration .	Dual scope with retroreflector

Hg/Cd/Te = Mercury/Cadmium/Tellurium

$$T = \frac{I(v)}{I_0(v)}$$
 (Eq. 4-4)

where:

I(v) = light intensity after the beam has passed through the ambient air;

I_o(ν) = instrument response function and is the light intensity in the absence of any ambient air; and

T(v) = transmittance.

The transmittance is related to the concentration through the following equation:

$$T(v) = \frac{I(v)}{I_0(v)} = e^{-\kappa(v) \cdot \rho \cdot L}$$
 (Eq. 4-5)

where:

k(v) = absorption coefficient is constant
 for each molecule at a given
 pressure and temperature;

 ρ = concentration (ppm); and

L = path length traversed by the light beam in meters.

By convention, the common logarithm of the transmission is defined as the absorbance and is given by the following equation:

$$A(v) = -\log T = 0.4342 * \kappa(v) * \rho * L \quad (Eq. 4-6)$$

where A(v) is the absorbance.

Equation 4-6 shows that the absorbance is dependent upon both the concentration and the path length. Furthermore, the longer the

path length, the higher the absorbance. Equations 4-5 and 4-6 are forms of the Lambert-Beer Law, more commonly referred to as Beer's Law.

Figure 4-2 shows an absorbance spectrum that was collected over a 300-m path length. All of the features visible at this scale in this spectrum can be attributed to water and carbon dioxide, the two primary GHGs. This spectrum can also be used to illustrate the theory of global warming. The regions from approximately 800 to 1200 wavenumbers and from 2100 to 3100 wavenumbers show substantially less absorbance than the region in between or the regions at either end. It is these two lowabsorbing or high-transmitting regions that are commonly referred to as the atmospheric windows. Infrared radiation (or heat) leaves the earth through these windows. Increasing the concentrations of GHGs in these windows will increase the temperature of the earth as the infrared light that normally escapes is absorbed and re-emitted toward the earth.

Concentration Determination

To determine the concentration of atmospheric species present, the absorbance spectrum is analyzed using a classical least squares (CLS) fit program and calibrated reference spectra. The CLS program is contained on the FTIR controlling computer and was developed by Nicolet Instruments, Inc. The calibrated reference spectra were collected by Dr. William Herget while at Nicolet. The reference spectra were generated from calibrated gas standards accurate to ±2%.

Each reference spectrum exhibits a distinct pattern of lines, which varies predictably in



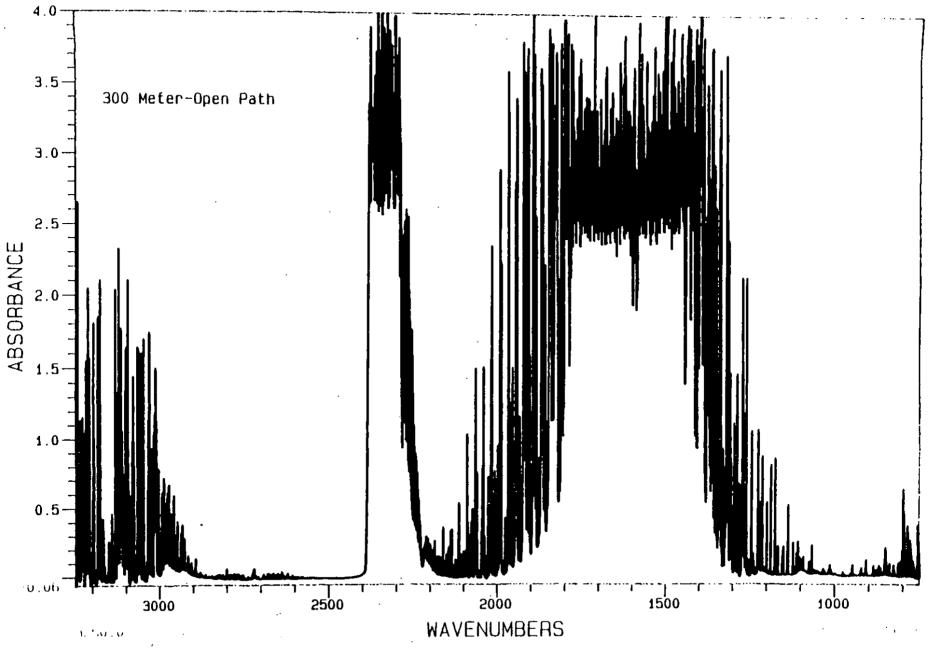


Figure 4-2. Example of an Absorbance Spectrum

relative intensity, line width, and line position. Furthermore, every molecule exhibits a unique spectral pattern, which is dependent upon the manner in which its atoms are connected, i.e., its structure. These spectral patterns are the basis of the sensitivity and specificity of the FTIR; the entire spectral pattern or a significant portion of it can be used for identification and quantitation of a compound. FTIR differs from chromatographic methods, which use a non-speciating detector and rely on a single parameter for identification (i.e., the elution time).

The identification of CH₄ and N₂O in the sample absorbance spectrum shown in Figure 4-2 can be made visually. Figure 4-3 shows the sample absorbance spectrum expanded in the region of 2900 to 2960 cm⁻¹. The lower trace in this region is the CH₄ reference spectrum. This lower trace corresponds to 2.1 ppm of CH₄. Figure 4-4 shows the expansion of the 2190 to 2220 cm⁻¹ region. Here, the lower trace is the reference spectrum of N₂O, which corresponds to a concentration of 0.37 ppm. Both of these concentrations are typical of background ambient air.

Quantitation of the species present is made by scaling the calibrated spectra to best fit the sample spectrum. This technique is done by the CLS routine described as follows.

First, the absorbance spectrum is divided into regions around which the compounds of interest exhibit absorption feature(s). For example, the CH₄ region is generally 2910 to 2950 cm⁻¹; for N₂O the region is 2190 to 2220 cm⁻¹.

Second, the reference spectrum of the compound of interest and any other compound that has features in this region are

collected in a matrix (See Table 4-2). For CH₄, the matrix would include water. For N₂O, the matrix would include water, carbon dioxide, and carbon monoxide.

Third, each region is quantitated using the CLS routine with the reference spectra identified in the matrix. This calculation is made using the following equation:

$$A_s(v) = a+bv+\sum_{i=1}^{N} \eta_i * A_i(v)+\theta$$
 (Eq. 4-7)

where:

 $A_s(v) = Absorbance of the sample at v;$

 $A_i(v)$ = Absorbance of the reference spectra at v;

η_i = scale factor by which each reference spectra was multiplied to yield the best fit;

a+bv = baseline correction term; and

 Θ = residual or an error term.

The actual concentration is then determined by:

$$C_s = \frac{\eta_i C_r L_r}{L_s}$$
 (Eq. 4-8)

where:

Cs = concentration of compound in the sample;

 η_i = scale factor determined in the CLS fit:

C_r = concentration of the reference spectra;

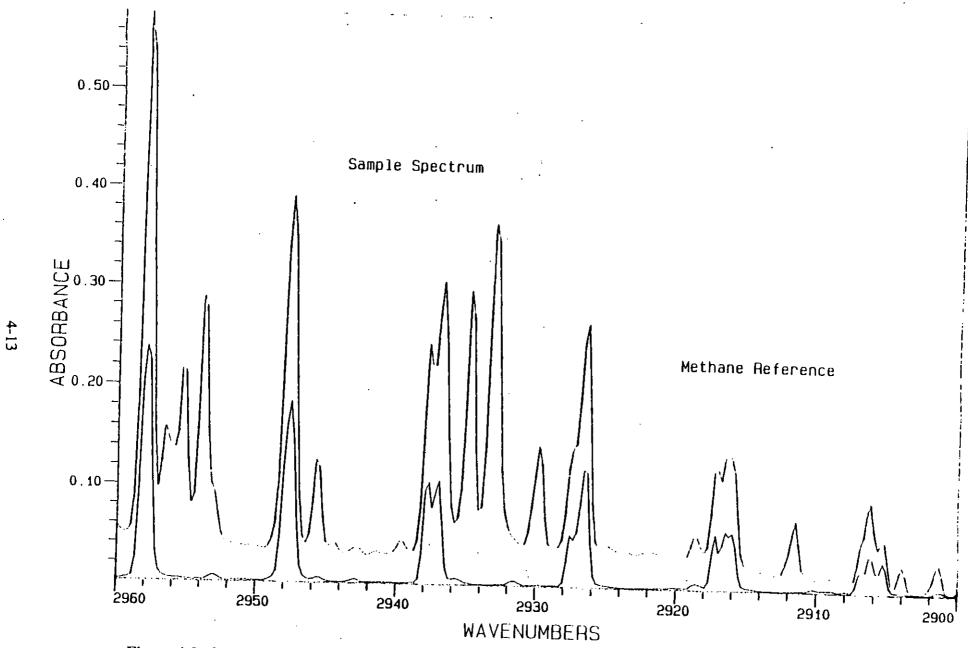


Figure 4-3. Sample Spectrum Versus Methane Reference Standard at 2900 to 2960 Wavenumbers

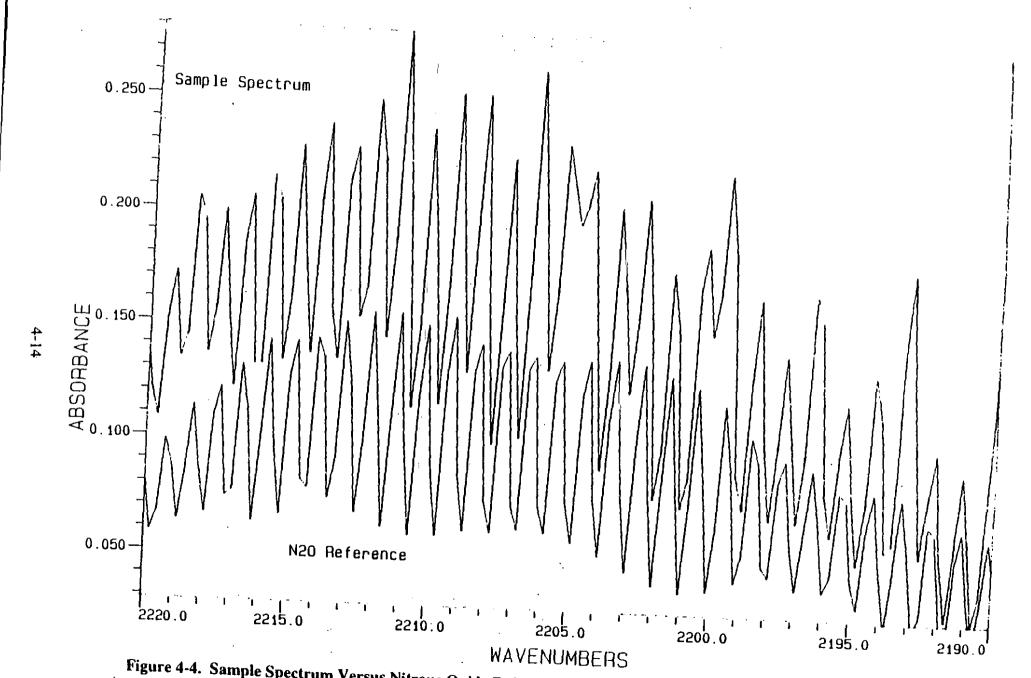


Figure 4-4. Sample Spectrum Versus Nitrous Oxide Reference Standard at 2200 to 2190 Wavenumbers

Table 4-2 **Analysis Matrix for FTIR**

)		Comp	ound				
					NH,	N,O	ÇO:	Сн	H.S	CECs	TNMHC
756 - 975	I	S	S	-	S	-		S	-	S	-
1020 - 1071	S	I	_	-	I		-	I	I	I	_
2092 - 2174	I	I			-	٠ ـ	S	-	-	-	<u>-</u>
2190 - 2224	I	I	<u>-</u>	_		S	-	-			-
2500 - 2830	I		_	S	-	I		-	s		I
2950 - 3000	I		•	I	-	I		I	I	<u>-</u> _	s

S = indicates bands used for quantitation.

I = indicates an interferant that must be accounted for, but not quantitated.

L_s = path length over which the sample was collected; and

L_r = path length over which the reference was collected.

Fourth, the exactness of the fit is reported in terms of 95% confidence intervals on the reported concentration. The analysis method is shown in Table 4-2.

Some species, however, show an apparent deviation from Beer's Law due to the finite spectral resolution of the spectrometer. Fortunately, the non-linear response can be easily corrected by use of a correction function, which typically is a polynomial function. The correction function is generated by measurement of a series of spectra over a range of path-weighted concentrations in the laboratory. The actual versus measured path-weighted concentrations are plotted and fit with the appropriate correction function (e.g., polynomial). This function is then used in the field to correct the raw data for non-linear response. In this study, non-linear corrections were applied to the CH_4 and SF_6 data.

4.2.2 Analysis of Canister Samples

Fixed gas analyses were performed for CH₄, CO₂, SF₆, and TNMHC. The canister analyses were subcontracted to Air Toxics, Ltd., in Folsom, CA. Air Toxics used the following methods:

ASTM D-3416/CH₄ and CO₂

An aliquot of the sample was introduced via a sample loop and analyzed by gas chromatography/flame ionization detector (GC/FID). CH₄ is analyzed directly by FID. The CO₂ is backflushed, goes through a reduction step where it is reduced to CH₄,

and then analyzed by FID. The QC checks included a single point daily calibration, 10% duplicates, a daily lab blank, and a daily end check.

Method 18/SF₆

An aliquot of the sample is introduced by direct injection and analyzed by GC/ECD. The QC checks included an initial 5 point calibration, a daily calibration check, 10% duplicates, a daily blank, and a daily end check.

Method TO-12/Total Non-methane Hydrocarbons

An aliquot of the sample is cryogenically concentrated, flashed desorbed and analyzed by GC/FID. The QC checks included an initial 5 point calibration, a daily calibration check, 10% duplicates, and a daily blank.

4.2.3 Wastewater Analyses

A number of analyses were performed on the wastewater samples from each site.

SM 2550 Temperature

Temperature measurements were made using a Corning M90 field analyzer, which also provided data on pH. The instrument provided data in increments of 0.1 °C. Temperature is not a critical parameter, and the readings were taken to provide a general value for the temperature of the wastewater streams.

SM 4500 - H⁺ pH

The determination of pH was performed by SM 4500 using a Corning M90 field analyzer. The intensity of the acidic or basic nature of water is indicated by pH or

hydrogen ion activity at a given temperature. The basic principle behind pH measurement is determined by the activity of the hydrogen ions. This value was measured by potentiometric means using a standard hydrogen electrode and a reference electrode. The pH was not a critical parameter; the readings were taken only to determine if the wastewater pH was within the range generally considered suitable for biological activity.

Dissolved Oxygen

Dissolved oxygen levels in wastewater were determined by the electrometric method using membrane electrodes. An Orion Model 820 analyzer was used to make *insitu* measurements. The method is based on the rate of diffusion of molecular oxygen across a membrane. Interferences in the wastewater are minimized because the sensor is protected by an oxygen-permeable membrane, which serves as a diffusion barrier against impurities, making the membrane electrode an excellent method for polluted, highly colored waters and strong waste effluents.

Biological Oxygen Demand (BOD)

BOD is an empirical test used to determine the relative oxygen requirements of wastewaters, effluents, and polluted waters. The test gives an indication of the amount of oxygen needed to stabilize or biologically oxidize organic compounds in waters or wastewaters. BOD measures the oxygen utilized during a specified incubation period (usually 5 days) at 20°C to biologically degrade organic material at a pH of 6.5 to 7.5. Oxygen utilized to oxidize inorganic material, such as sulfides and ferrous iron, is included in this measurement. No inhibitor was added to the dilution water, so the

oxygen used to oxidize reduced forms of nitrogen also was measured.

Chemical Oxygen Demand (COD)

COD is a test used to determine the oxygen equivalent of the organic and inorganic matter in a sample that is susceptible to strong chemical oxidation. COD may be related empirically to other measures of organic content for a source, such as BOD and total organic carbon. The sample is refluxed in strong acid solution with a known excess of oxidant, potassium dichromate. The amount of dichromate reduced is determined by titration. The oxidizable matter is calculated in terms of oxygen equivalent.

SM 5310 Total Organic Carbon (TOC)

The quantification of TOC is determined from the breakdown of organic molecules to single carbon units. The conversion of these units to a single molecular form can be measured quantitatively. The methods and instruments used in measuring TOC analyze fractions of total carbon (TC) and measure TOC by two or more determinations. The fractions of total carbon are defined as:

- Inorganic carbon (IC) = carbonate, bicarbonate, and dissolved CO₂;
- Total organic carbon (TOC) = all carbon atoms covalently bonded in organic molecules;
- Dissolved organic carbon (DOC) = the fraction of TOC that passes through a 0.45 μm pore diameter filter;

- Nondissolved organic carbon (NDOC), which is also referred to as particulate organic carbon, = the fraction of TOC retained by a 0.45 µm filter;
- Purgeable organic carbon (POC), which is also referred to as volatile organic carbon, = fraction of TOC removed from an aqueous solution by gas stripping under specified conditions; and
- Nonpurgeable organic carbon
 (NPOC) = the fraction of TOC that is
 not removed by gas stripping.

TOC was determined using an instrumental method in which organic carbon is oxidized to CO₂ by persulfate in the presence of ultraviolet light. The CO₂ is then measured directly by a nondispersive infrared analyzer.

The instrument utilizes an ultraviolet lamp submerged in a continuously gas-purged reactor that is filled with a constant-feed persulfate solution. The samples are injected manually and the CO2 produced is sparged continuously from the solution. The CO₂ is carried in the gas stream to an infrared analyzer that is specifically tuned to the absorptive wavelength of CO₂. The instrument's microprocessor calculates the area of the peaks produced by the analyzer, compares them to the peak area of the calibration standard stored in its memory, and prints out a calibrated organic carbon value in milligrams per liter. Because of the large amounts of organic matter in these samples, all samples were filtered through a $0.45 \mu m$ filter. Instead of TOC, the analysis measured dissolved organic carbon (DOC).

SM 2540 Total Suspended Solids

The Total Suspended Solids (TSS) test involves drying samples at a fixed temperature range. The sample is homogenized and filtered using a weighed, standard glass-fiber filter. The residue remaining on the filter is dried to a constant weight at temperatures of 103-105 °C. The increase in weight of the filter represents the TSS measurement.

SW 846 8260 (Halogenated Volatiles by GC/MS) Dissolved Targeted VOCs

Five VOCs were selected as target compounds: dichlorofluoromethane, trichlorofluoromethane, carbon tetrachloride, methylene chloride, and chloroform. One influent and one effluent sample per site were analyzed for these compounds by SW 846 8260. Method 8260 is a gas chromatography/mass spectrometry (GC/MS) determination of most volatile organic compounds. The samples can be analyzed by direct injection or purge-andtrap methods. A temperature program is used to separate the organic compounds which are then detected with a mass spectrometer (MS) interfaced to the gas chromograph.

Quantitative identification of the VOCs is confirmed by analyzing standards under the same conditions used for the samples and comparing mass spectra and GC retention times. The concentrations of the identified VOCs can be measured by relating the response produced for the compound to the response produced by a compound that is used as an internal standard.

The purge-and-trap method was used to determine VOC concentrations. The success of this method depends on the level of interferences in the sample; results may vary due to the large variability and complexity of matrices of samples. The sample is introduced into the purging chamber and an inert gas is then bubbled through the solution at ambient temperature to transfer the volatile component to the vapor phase. The vapor is swept through a sorbent column, where volatile components are trapped. After purging is completed, the sorbent is heated and backflushed with inert gas to desorb the components onto the gas chromatographic column. The column is heated to elute the components, which are detected with a mass spectrometer.

Nitrogen

Several forms of nitrogen were determined in the wastewater: total nitrogen, ammonia, and nitrates.

SM 4500-N_{org} Total Nitrogen by Kjeldahl Method

The determination of nitrogen by the total Kjeldahl method in water and waste samples utilizes a procedure for converting nitrogen components of biological origin such as amino acids, proteins and peptides to ammonia. This method may not convert the nitrogenous compounds of some industrial wastes such as amines, nitro compounds, hydrazones, oximes, semicarbazones, and some refractory tertiary amines.

The three procedures for determining the presence of ammonia after distillation include: the titrimetric method, which is applicable to concentrations above 1 mg N/liter; the Nesslerization (colorimetric) method, which is applicable to

concentrations below 1 mg N/liter; and the potentiometric method, which is applicable to the range 0.05 to 1400 mg/liter.

The sample is heated in the presence of concentrated sulfuric acid (H_2SO_4) , potassium sulfate (K_2SO_4) , and mercuric sulfate $(HgSO_4)$. This process converts amino nitrogen from organic materials to ammonium sulfate $[(NH_4)_2SO_4]$. The formation of a mercury ammonium complex occurs during sample digestion, which is then decomposed by sodium thiosulfate $(Na_2S_2O_3)$. The ammonia is distilled and absorbed in boric or sulfuric acid and then determined colorimetrically, or by titration or potentiometry.

SM 4500-NH₃ Nitrogen (Ammonia)

The method for the determination of ammonia is dependent upon the nature of the sample. The selection of the method relies on concentration and interferences. In instances where interferences are present and greater precision is necessary, a preliminary distillation step (SM 4500-NH₃ B.) is required. For high ammonia concentrations a distillation and titration (SM 4500 NH₃ E.) technique is preferred.

SM 4500-NH₃ Preliminary Distillation Step

The sample is treated with a borate buffer to a pH of 9.5. This buffer decreases the hydrolysis of cyanates and organic nitrogen compounds. The sample is distilled into a solution of boric acid when titration is to be used. The ammonia in the distillate is determined either colorimetrically, or by the phenate method, or titrimetrically with standard H_2SO_4 and a mixed indicator or a pH meter.

SM 4500-NH, Titrimetric Method

The titrimetric method can only be used on samples that have been prepared through the preliminary distillation.

SM 4500-NO₃ Determination of Nitrate Anion by Ion Chromatography

The determination of anions by ion chromatography (IC) is desirable to characterize water and to assess specific water treatments. Ion chromatography is a rapid method for separating and analyzing complex solutions of ionic species. The common anions such as nitrate, can be determined quickly by a single instrumental technique. The use of hazardous reagents is eliminated with IC and effectively distinguishes oxides such as nitrate (NO₃) and nitrite (NO₂); combined or singly. For this project, the samples were oxidized and total nitrates were measured. This technique employs a carbonate/bicarbonate eluent and ion exchange resins to separate individual ions, and a suppressor column to remove the eluent ions. The detection and quantitation of the anions is performed conductimetrically.

The determination of nitrate (an oxide) is difficult due to procedural complexities, various concentration ranges, and interferences by other constituents. The IC method provides the best procedure for assessing nitrate in water contaminated with high levels of organic matter. Nitrate determinations should begin promptly after sample collection. If storage of the sample is necessary, the sample can be preserved at 4°C for up to 24 hours. Longer storage must include preservation with 2 mL concentrated sulfuric acid (H₂SO₄) at a temperature of 4°C. It is important to note that when the sample is preserved with acid, nitrate and

nitrite cannot be determined as individual species.

4.3 Sample Handling and Chain-of-Custody Procedures

Sample chain-of-custody (COC) procedures for this program were based on EPA-recommended protocols. The field crew kept accurate written records of their daily activities in a bound log book. The entries were made in black ink, and contain accurate documentation of the field activities.

For the FTIR, all of the sample spectra were stored on a computer disk for future use and retrieval. These spectra are all time-stamped and dated for identification. The data files containing the concentrations and meteorological parameters were also dated and each measurement was time-stamped in the field immediately after collection. A backup file was created at the field site and hand-carried to the project files.

Storing the absorbance spectra provides an excellent method for validation of data. The absorbance spectra contain all of the information necessary to determine the concentration of the compounds. Therefore, the sampling results can be reproduced by reanalyzing the spectra.

The canister samples were each tagged with an identification number that was recorded on the COC form. These COC forms originated in the laboratory where the canisters were cleaned and certified. They went with the canisters to the site, where the relevant pressure information was recorded. The forms were returned with the canisters after sample collection.

In addition to the COC forms for each of the samples and the computer storage of the FTIR spectra, a field notebook was kept to document the on-site activities. This notebook contains a description of the day-to-day activities, the times that samples were collected, and the time FTIR acquisition was initiated and halted.

Copies of raw data, field notes, laboratory notes, strip chart recordings, and calibration data will be maintained in a central file for future inspection. Copies of laboratory instrument logs and maintenance records also will be available for review.

SECTION 5

RESULTS OF MEASUREMENT PROGRAM

This section contains tabulated results for the measurement program organized by site. The tabulated values have not been adjusted or corrected based on field, method, or system blank values, or percent recovery of control samples. The results are further reduced and discussed in Section 6 and the results of QC checks are summarized in Section 7.

Additional information pertinent to the interpretation of the results is contained in the Appendices to this report. A master log of all sample collection and measurement efforts is contained in Appendix A to this report. The FTIR monitoring generated an extremely large data set of measured concentrations averaged every five minutes. Only a subset of the data was collected during periods of acceptable meteorological conditions and, therefore, only this subset of data is considered to be valid. These valid data were used to develop emission factors. Only the subset of the FTIR and meteorological data that were used to develop emission factors are given in this section. The complete FTIR measurement results are presented in Appendix B, organized chronologically. The 95% confidence interval is given for each data point. A limited number of canister samples were collected to augment the FTIR results. The results of all canister analyses are presented in Appendix C.

Meteorological data were collected throughout the FTIR measurement periods. The complete meteorological measurement results are presented in Appendix D. The average wind direction for a given 5-minute time period was the key parameter for determining whether the air monitoring data were valid for that time period. For each site, data from all valid time periods were used to calculate emission rates based on the ratio of the concentration of the species of interest to the measured concentration of the tracer gas (SF₆), and the release rate of the tracer gas (see Equation 4-2). The tracer gas was released through seven rotometers and the total flow was 7.03 L/min which corresponds to 0.700 g/sec. All individual emission rate determinations for valid sampling periods are given in Appendix E.

Wastewater samples were collected at each site. The complete results of the analysis of these samples are presented in Appendix F. Additional wastewater data were provided by the site operators; these data are summarized in Appendix G.

Several pieces of important information about the monitoring conducted at each site are summarized in Table 5-1 (all tables are located after the text at the end of the section).

5.1 Results of Sampling at Southwest Beef Processing Plant

The FTIR spectra were analyzed for 15 compounds. The typical upwind and downwind concentrations for each compound are shown in Table 5-2. The emission rates for each compound are given

in Table 5-3. The data are presented by 5-minute time periods sorted by the wind direction during the sampling period. Meteorological data for these same time periods are given in Table 5-4. The analytical results for the wastewater samples collected during the field testing are summarized in Table 5-5. One of each type of influent sample and one effluent sample was analyzed for the presence of various chlorinated solvents: carbon tetrachloride, chloroform, dichlorodifluoromethane, methylene chloride, and trichlofluoromethane. Chloroform was detected at 3.74 µg/L in the influent from the slaughterhouse; nothing was detected in the influent sample from the tannery or in the effluent sample.

5.2 Results of Sampling at Midwest Beef Processing Plant

The FTIR spectra were analyzed for the target list of 15 compounds. The typical upwind and downwind concentrations for each compound are shown in Table 5-6. The data for valid time periods were used to calculate emission rates. The emission rates for each compound are given in Table 5-7. The data are given by 5-minute time periods sorted by the wind direction during the sampling period. Meteorological data for these same time periods are given in Table 5-8.

The analytical results for the wastewater samples collected during the field testing are summarized in Table 5-9. The only chlorinated solvent detected in the wastewater samples was 1.01 μ g/L of chloroform in the influent sample; nothing was detected in the effluent sample.

5.3 Results of Sampling at Southeast Chicken Processing Plant

The FTIR spectra were analyzed for the target list of 15 compounds. The typical upwind and downwind concentrations for each compound are shown in Table 5-10. The data for valid time periods were used to calculate emission rates. The emission rates for each compound are given in Table 5-11 The data are given by 5-minute time periods sorted by the wind direction during the sampling period. Meteorological data for these same time periods are given in Table 5-12.

The analytical results for the wastewater samples collected during the field testing are summarized in Table 5-13. The only chlorinated solvent detected in the wastewater samples was $1.54~\mu g/L$ of chloroform in the influent sample; nothing was detected in the effluent or sludge samples.

5.4 Results of Sampling at POTW for Small Town in Southwest U.S.

The FTIR spectra were analyzed for the target list of 15 compounds. The typical upwind and downwind concentrations for each compound are shown in Table 5-14. The data for valid time periods were used to calculate emission rates. The emission rates for each compound are given in Table 5-15. The data are given by 5-minute time periods sorted by the wind direction during the sampling period. Meteorological data for these same time periods are given in Table 5-16.

The analytical results for the wastewater samples collected during the field testing are summarized in Table 5-17. No

chlorinated solvents were detected in the influent or effluent wastewater samples.

5.5 Results of Sampling at POTW for Very Small Town in Southwest U.S.

The FTIR spectra were analyzed for the target list of 15 compounds. The typical upwind and downwind concentrations for each compound are shown in Table 5-18. The data for valid time periods were used to calculate emission rates. The emission

rates for each compound are given in Table 5-19. The data are given by 5-minute time periods sorted by the wind direction during the sampling period. Meteorological data for these same time periods are given in Table 5-20.

The analytical results for the wastewater samples collected during the field testing are summarized in Table 5-21. No analysis was performed for chlorinated solvents in the wastewater samples.

Table 5-1
Acceptable Wind Directions and Tracer Gas Release Rate for Each Site

Site	Date of Field Work	Ideal Wind Direction* (deg)	Acceptable Wind Direction ^b (deg)	Tracer Gas Release Rate (g/sec)
Southwest Beef Processing Plant	August 21- 25	176	161 - 191 (upwind = 132 - 180)	0.70
Midwest Beef Processing Plant	August 28 - September 1	164	134 - 194	0.70
Southeast Chicken Processing Plant	September 4 - 8	92	62 - 122 (upwind = (43 - 117)	0.70
POTW for Small Town in Southwest U.S.	October 2 - 6	343	313 - 013	0.70
POTW for Very Small Town in Southwest U.S.	July 31 - August 4	180	150 - 210 (upwind = 300 - 60)	0.70

a The ideal wind direction was perpendicular to the FTIR beam when in the downwind monitoring location.

b Values shown are for collection of both downwind and upwind data, unless otherwise noted. At the Very Small Town POTW, the FTIR was in the same location for both upwind and downwind sampling; data were identified as upwind, downwind, or invalid based on the wind direction.

Table 5-2
Summary of Measured Air Concentrations for Beef Processing Plant in Southwest U.S.

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
Methane	Upwind	102	2.3	1.6	2.2 - 2.4
(CH ₄)	Downwind	238	61.9	44.3	12.8 - 142
Ethylene	Upwind	102	0.0	0.0	0.0
(C ₂ H ₄)	Downwind	238	0.0293	NA	0-0.824
Ammonia	Upwind	102	0.0	800	0.0 - 0.037
(NH ₃)	Downwind	238	0.355	24.2	0.110 - 0.609
Carbon Dioxide	Upwind	102	479	2.5	453 - 510
(CO ₂)	Downwind .	238	409	6.9	372 - 489
Carbon Monoxide	Upwind	102	0.197	27.5	0.152 - 0.564
(CO)	Downwind	238	0.185	19.4	0.150 - 0.327
Hydrogen Sulfide	Upwind	102	ND .	NA	ND
(H ₂ S)	Downwind	238	ND	NA	ND
Nitrous Oxide	Upwind	102	0.533	1.2	0.520 - 0.551
(N ₂ O)	Downwind	238	0.511	1.7	0.490 - 0.524
Sulfur Hexafluoride	Upwind	102	0.54 ppb	14.1	0.33 - 0.67 ppb
(SF ₆)	Downwind	238	25.3 ppb	66.1	0.99 - 73.3 ppb
Water Vapor	Upwind	102	18,500	6.5	16,500- 20,200
(H ₂ O)	Downwind	238	16,100	17.4	12,500 - 22,800
Total Hydrocarbons	Upwind	102	ND	NA	ND
(as Hexane)	Downwind	238	100 ppb	166	0.0 - 565 ppb
Carbon	Upwind	102	7.0 ppb	14.1	4.1 - 9.2 ppb
Tetrachloride (CCl ₄)	Downwind	238	0.02 ppb	1,540	0.0 - 4.4 ppb

Table 5-2 (Continued)

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
Chloroform	Upwind	102	9.4 ppb	9.3	6.6 - 10.6 ppb
(CHCl₃)	Downwind	238	0.20 ppb	496	0.0 - 10.0 ppb
Dichloro- difluoromethane (CCl ₂ F ₂)	Upwind	102	4.3 ppb	21.6	0.0 - 6.2 ppb
	Downwind	238	7.3 ppb	23.6	2.8 - 10.4 ppb
Methylene Chloride	Upwind	102	49.7 ppb	15.6	31.1 - 64.5 ppb
(CH_2Cl_2)	Downwind	238	1.0 ppb	394	0.0 - 27.1 ppb
Trichloro- fluoromethane (CCl ₃ F)	Upwind	102	ND	NA	ND
	Downwind	238	3.0 ppb	56.8	0.0 - 6.5 ppb

NA = Not Applicable. ND = Not Detected.

Table 5-3
Summary of Measured Emission Rates for Beef Processing Plant in Southwest U.S.

Compound	No. Valid Obs.	Average Emission Rate ^b (g/sec)	%CV	Range (g/sec)
Methane	238	280	146	88.0 to 5,620
Ethylene	238	NA*	. NAª	NA ^a
Ammonia	238	2.17	150	0.441 to 43.4
Carbon Dioxide	238	-1,250	232	-40,000 to 563
Carbon Monoxide	238	-0.138	505	-8.12 to 3.24
Hydrogen Sulfide	238	NA	NA	NA
Nitrous Oxide	238	-0.542	200	-12.9 to -0.039
Sulfur Hexafluoride	238	NA	NA	NA ·
Water Vapor	238	-9,874	507	-491,000 to 176,000
Total Hydrocarbons (as Hexane)	238	1.44	325	0.0 to 67.0
Carbon Tetrachloride	238	-0.472	185	0-11.5 to -0.71
Chloroform	238	-0.474	191	-11.9 to 0.106
Dichlorodifluoromethane	238	0.197	218	-0.025 to 5.69
Methylene Chloride	238	-7.32	185	-179 to -1.10
Trichlorofluoromethane	238	0.197	265	0.0 to 7.25

[•] Ethylene was released by an EPA auditor as a QC check.

NA = Not Applicable.

^b Negative emission rates occur when the upwind concentration exceeds the downwind concentration.

Table 5-4
Summary of Meteorological Data for Valid Sampling Periods for Beef Processing Plant in Southwest U.S.

		Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(deg)	(deg)	(mph)	Theta
8/23/95	06:50:00	161	-15	7	5.8
8/23/95	14:50:00	161	-15	9.2	5.9
8/23/95	16:00:00	161	-15	8.6	6.8
8/25/95	03:50:00	161	-15	6.1	13.6
8/23/95	22:55:00	161	-15	9.1	5.9
8/24/95	01:45:00	161	-15	5.7	4.9
8/24/95	07:25:00	161	-15	5	6.6
8/24/95	23:30:00	161	-15	8.6	6.9
8/25/95	01:00:00	161	-15	6.2	4.6
8/25/95	01:05:00	161	-15	. 6	6.3
_ 8/25/95	01:10:00	161	-15	5.6	4.4
8/25/95	03:45:00	161	-15	5.8	4.6
8/23/95	23:20:00	162	-15	8.3	4.7
8/24/95	01:00:00	162	-14	5.2	4.3
8/24/95	01:20:00	162	-14	6	4.8
8/24/95	02:00:00	162	-14	6.1	3.6
8/24/95	03:20:00	162	-14	5.6	10.1
8/25/95	02:55:00	162	-14	6.3	3.6
8/25/95	04:25:00	162	-14	5.3	5
8/23/95	04:40:00	163	-14	5.6	4.2
8/24/95	02:10:00	163	-13	6.4	_ 5
8/24/95	03:15:00	163	-13	5.9	4.2

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/24/95	07:35:00	163	-13	4.8	5
8/24/95	07:45:00	163	-13	4.7	4.3
8/25/95	01:50:00	163	-13	5.8	4.4
8/23/95	23:10:00	163	-13	• 9.1	4.3
8/24/95	01:15:00	163	-13	6	4.7
8/24/95	03:10:00	163	-13	6.3	4.2
8/24/95	04:15:00	163	-13	6.2	4.2
8/25/95	00:15:00	163	-13	8.6	3.6
8/25/95	02:40:00	163	-13	6.2	6.1
8/25/95	03:25:00	163	-13	6.7	4.4
8/25/95	04:15:00	163	-13	5.3	4.4
8/23/95	04:20:00	164	-13	7.4	5.4
8/23/95	13:05:00	164	-12	11.8	6.9
8/23/95	13:30:00	164	-12	11.5	10.6
8/24/95	07:50:00	164	-12	4.8	7.1
8/24/95	23:35:00	164	-12	9.7	5.4
8/24/95	23:50:00	164	-12	9.5	4.3
8/25/95	04:20:00	164	-12	5.3	4.1
8/24/95	01:50:00	164	-12	6	4.4
8/24/95	03:35:00	164	-12	5.7	6
8/24/95	06:35:00	164	-12	5.4	5.5
8/24/95	23:45:00	164	-12	10.2	4.6
8/25/95	02:35:00	164	-12	6.4	4.7

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/25/95	03:35:00	164	-12	6.2	3.8
8/25/95	04:00:00	164	-12	5.2	8.2
8/25/95	04:30:00	164	-12	5.5	4.2
8/23/95	03:20:00	165	-12	5.2	5
8/24/95	00:35:00	165	-11	5.3	5.4
8/24/95	01:05:00	165	-11	5.7	4.9
8/24/95	02:50:00	165	-11	5.8	5.8
8/25/95	00:50:00	165	-11	5.6	4.9
8/25/95	03:10:00	165	-11	7.4	9.3
8/25/95	03:15:00	165	-11	7	8.2
8/25/95	04:05:00	165	-11	4.7	5.5
8/23/95	02:55:00	165	11	6.2	5.2
8/23/95	05:30:00	165	-11	7.7	8.1
8/23/95	06:55:00	165	-11	7.6	7.2
8/24/95	00:55:00	165	-11	5.3	6.5
8/24/95	19:55:00	165	-11	6.9	7.4
8/24/95	23:40:00	165	-11	9.9	6.8
8/25/95	00:00:00	165	-11	9.3	5.5
8/25/95	00:05:00	165	-11	8.5	5.8
8/25/95	00:30:00	165	-11	7.7	6.5
8/25/95	00:55:00	165	-11	6.1	6
8/25/95	02:05:00	165	-11	6.2	6.8
8/25/95	03:30:00	165	-11	6.3	6.8

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/24/95	00:30:00	166	-11	5.5	5.8
8/24/95	01:35:00	166	-10	5.8	6.3
8/24/95	01:40:00	166	-10	5.8	6.3
8/24/95	01:55:00	166	-10	6.1	5.4
8/24/95	23:55:00	166	-10	9.4	5.7
8/25/95	00:20:00	166	-10	8.9	4.3
8/25/95	00:45:00	.166	-10	5.5	5.2
8/25/95	03:20:00	166	-10	6.8	6.6
8/23/95	04:15:00	166	-10	6.6	5.5
8/23/95	04:25:00	166	-10	6.1	5
8/23/95	04:55:00	166	-10	7.2	5.8
8/23/95	05:55:00	166	-10	8	6.9
8/23/95	06:00:00	166	-10	7.6	7.5
8/24/95	01:30:00	166	-10	6.2	11.9
8/24/95	02:15:00	166	-10	6.3	6.8
8/24/95	02:55:00	166	-10	5.5	8.8
8/24/95	03:05:00	166	-10	5.9	5.2
8/24/95	03:30:00	166	-10	6.2	9.2
8/24/95	03:40:00	166	-10	5.2	6.4
8/24/95	07:30:00	166	-10	5.1	4.7
8/25/95	01:25:00	166	-10	5.8	3.9
8/24/95	00:40:00	167	-10	5	7.9
8/24/95	01:10:00	167	-9	6.2	4.2

Table 5-4 (Continued)

	TE**	Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(deg)	(deg)	(mph)	Theta
8/24/95	03:45:00	167	-9	5.6	3.7
8/25/95	00:40:00	167	-9	6.2	5.7
8/25/95	01:45:00	167	-9	5.4	4.1
8/23/95	04:50:00	167	-9	6.9	5.2
8/23/95	06:10:00	167	-9	7.2	5.7
8/24/95	00:10:00	167	-9	5.4	5.7
8/24/95	06:40:00	167	-9	5.2	5.7
8/25/95	00:10:00	167	-9	9	5.8
8/25/95	00:35:00	167	-9	7.4	6
8/25/95	03:55:00	167	-9	5.6	8.3
8/23/95	05:25:00	168	-9	7.9 ⁻	8.8
- 8/23/95 -	13:25:00	168	-8	-12.6	6
8/23/95	23:40:00	168	-8	7.9	5.9
8/24/95	04:20:00	168	-8	5.8	-7
8/24/95	19:50:00	168	-8	6.1	7.2
8/25/95	00:25:00	168	-8	8.9	6.4
8/24/95	00:25:00	168	-8	6.4	7.9
8/25/95	02:25:00	168	-8	6.9	7.2
8/25/95	04:40:00	168	-8	6.8	7.5
8/23/95	06:05:00	169	-8	8.5	9.8
8/23/95	23:35:00	169	-7	7.2	7.7
8/24/95	06:30:00	169	-7	4.9	7.4
8/25/95	04:35:00	169	-7	6.8	6.9

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/23/95	04:10:00	169	-7	6.3	8.7
8/23/95	13:20:00	169	-7	7.7	7.5
8/23/95	23:25:00	169	-7	7.7	7
8/24/95	00:15:00	169	-7	5.8	6.8
8/24/95	03:50:00	169	-7	5.3	6.8
8/24/95	03:00:00	170	-7	5.3	7.2
8/25/95	02:00:00	170	-6	6.1	8
8/23/95	04:35:00	170	-6	5	7.4
8/24/95	00:45:00	170	-6	5.5	10.1
8/24/95	03:55:00	170	-6	4.9	7.2
8/24/95	00:50:00	171	-6	5.7	8.5
8/23/95	04:05:00	171	-5	6	6.8
8/23/95	05:00:00	171	-5	7.2	8.2
8/23/95	23:30:00	171	-5	7.5	8.5
8/24/95	02:20:00	171	-5	5.5	11.2
8/23/95	04:30:00	172	-5	5	7.9
8/23/95	05:20:00	172	-4	7.5	7.5
8/23/95	13:00:00	172	-4	8.9	8.6
8/23/95	14:05:00	172	-4	11.8	7.1
8/23/95	12:55:00	172	-4	8.8	7
8/24/95	08:00:00	172	-4	6.1	7
8/25/95	04:10:00	172	-4	5.1	6.6
8/23/95	23:45:00	173	-4	7.3	8.2

Table 5-4 (Continued)

	-	Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(deg)	(deg)	(mph)	Theta
8/24/95	02:45:00	173	-3	5.6	6.6
8/25/95	07:45:00	173	-3	7.3	9.3
8/23/95	13:15:00	173	-3	9.6	9.4
8/24/95	04:00:00	174	-3	5.2	8.2
8/24/95	06:25:00	174	-2	5.8	12.5
8/23/95	05:15:00	174	-2	8	8.8
8/23/95	12:35:00	174	-2	12.9	9.3
8/23/95	13:55:00	174	-2	7.6	8.8
8/24/95	00:20:00	174	-2	6	8.1
8/24/95	04:10:00	174	-2	5.7	12.3
8/24/95	07:55:00	174	-2	6.2	11.9
 8/25/95	- 07:40:00 -	174	-2	8.2	8.2
8/23/95	03:10:00	175	-2	5.1	
8/23/95	03:15:00	175	-1	5	8.5
8/23/95	05:10:00	175	-1	7.2	8.7
8/23/95	15:25:00	175	-1	4.4	10.7
8/23/95	15:20:00	176	-1	7.1	8.7
8/25/95	04:45:00	176	-0	8.1	10.2
8/23/95	02:50:00	176	-0	5.9	7.6
8/23/95	12:40:00	176	0	9.7	9.7
8/24/95	02:35:00	176	0	5.1	7.4
8/24/95	02:40:00	176	0	5.2	6.9
8/25/95	07:50:00	177	0	7	6.1

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/23/95	05:05:00	177	1	6.9	7.1
8/23/95	07:35:00	177	1	5.5	6.9
8/23/95	12:45:00	177	1	11.3	6.1
8/24/95	02:25:00	177	1	5.7	7.5
8/24/95	04:25:00	177	1_	5.7	6.9
8/23/95	23:50:00	179	11	7.8	6.6
8/23/95	13:50:00	180	3	9.5	7.9
8/23/95	14:45:00	180	4	8.8	7
8/24/95	02:30:00	180	4	6.1	7.5
8/23/95	11:00:00	180	4	12.3	7.2
8/23/95	15:00:00	180	4	9.1	6.4
8/25/95	04:55:00	180	4	9	6.3
8/23/95	11:10:00	181	4	12.9	6.3
8/24/95	06:45:00	181	5	5.2	6
8/25/95	05:00:00	181	5_	8.9	6.9
8/23/95	12:25:00	181	5	11	6.8
8/23/95	13:10:00	181	5_	9.6	6.4
8/25/95	04:50:00	181	5	9.6	6.6
8/25/95	07:35:00	181	. 5	9.1	8.6
8/23/95	11:25:00	182	5	12.7	5.8
8/24/95	07:00:00	182	6	5.1	6.6
8/25/95	05:05:00	182	6_	8.6	5.8
8/23/95	15:15:00	183	6	10.1	6.6

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/23/95	15:50:00	183	7	5.4	5.8
8/23/95	12:50:00	183	7	11.8	5.5
8/24/95	08:05:00	183	7	6.9	6.4
8/24/95	19:05:00	183	7	8.2	7.1
8/24/95	06:20:00	184	7	6.1	7
8/23/95	14:10:00	184	8	12.1	6.8
8/23/95	14:35:00	184	8	8.1	6.3
8/24/95	19:45:00	184	8	7.5	5.7
8/24/95	04:30:00	185	. 8	6.6	6.1
8/23/95	15:40:00	186	9	10.8	6.8
8/24/95	04:05:00	186	10	4.9	6
-8/24/95	-18:55:00	- 186	- 10	11.1	6
8/24/95	19:20:00	186	10	9.4	6.1
8/25/95	08:15:00	186	10	8.7	5.7
8/23/95	07:40:00	186	10	4.8	6.4
8/23/95	10:05:00	186	10	11.9	6.4
8/24/95	19:40:00	186	10	8.2	5.9
8/25/95	05:15:00	186	10	10	6.8
8/25/95	07:55:00	186	10	8.8	6.5
8/24/95	18:50:00	187	10	10.5	5.9
8/25/95	05:10:00	187	11	9.3	5.5
8/23/95	10:50:00	187	11	12.8	6.4
8/23/95	12:00:00	187	11	11.8_	6.1

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/24/95	18:45:00	187	11	10.3	5.3
8/24/95	19:15:00	187	11	9.6	5.8
8/25/95	05:40:00	187	11	10.1	6.8
8/24/95	08:15:00	188	11	7.3	. 5
8/24/95	19:00:00	188	12	9.8	6.3
8/25/95	05:35:00	188	12	9.6	6
8/25/95	07:30:00	188	12	9	6
8/23/95	10:45:00	188	12	11.6	5.8
8/24/95	04:35:00	188	12	6.8	6.1
8/25/95	05:20:00	188	12	9.3	5.3
8/23/95	10:00:00	189	12	12.3	6.5
8/23/95	11:30:00	189	13	12.2	5.5
8/24/95	05:55:00	189	13 -	5.7	5.3
8/24/95	08:10:00	189	13	6.8	4.8
8/25/95	05:45:00	189	13	9.2	5
8/24/95	08:20:00	190	13	7.1	5.8
8/24/95	19:30:00	190	14	8.1	4.9
8/24/95	19:35:00	190	14	7.5	4.8
8/23/95	10:55:00	190	14	13.2	4.7
8/23/95	11:05:00	190	14	12.1	4.4
8/24/95	19:10:00	190	14	9.7	5.5
8/25/95	05:30:00	190	14	8.6	4.9
8/25/95	08:00:00	190	14	8.4	4.4

Table 5-4 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/25/95	08:20:00	190	14	9.1	4.6
8/25/95	08:25:00	190	14	9	13.2
8/23/95	10:10:00	191	14	11.6	6.3
8/24/95	19:25:00	191	15	9.1	7
8/25/95	08:40:00	191	15	9.4	. 8
8/23/95	11:50:00	191	15	12.5	4.3
8/25/95	08:35:00	191	15	8.7	4.7
8/25/95	08:45:00	191	15	9.5	4.6
8/23/95	10:15:00	191	15	10.7	4.7

Table 5-5
Results of Wastewater Analyses for
Beef Processing Plant - Southwest U.S.

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	7	8.14	0.88	6.7 - 8.9
pН	Influent (Tan.)	7	11.7	1.3	9.1 - 13.0
	Effluent	4	8.7	0.7	7.6 - 9.2
	Influent	7	1.9	3.2	0 - 8
DO (mg/L)	Influent (Tan.)	7	0	0	0
	Effluent	4	0.2	0.3	0 - 0.7
	Influent	7	34.1	2.4	31.3 - 37.2
Temp.	Influent (Tan.)	7	29.7	1.8	26.3 - 31.7
,	Effluent	4	29.6	0.5	29.2 - 30.3
	Influent	7	3,700	5,930	1,190 - 17,100
TSS (mg/L)	Influent (Tan.)	7	3,050	2,980	850 - 9,400
	Effluent	4	379	42.1	330 - 430
	Influent	7 .	3,420	784	2,410 - 4,470
BOD (mg/L)	Influent (Tan.)	7	5,580	3,650	1,820 - 11,900
	Effluent	4	314	66.5	220 - 370
	Influent	7	4,360	556	3,430 - 5,240
COD (mg/L)	Influent (Tan.)	7	14,100	12,800	2,240 - 31,900
	Effluent	4	683	160	570 - 920
	Influent	7	321	42.4	240 - 365
TOC (mg/L)	Influent (Tan.)	7	1,520	1,490	315 - 3,980
, <u>3</u> ,	Effluent	4	22	2.4	19 - 25

Table 5-5 (Continued)

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	7	159	15.7	135 - 180
TKN (mg/L)	Influent (Tan.)	. 7	1,000	917	240 - 2,990
	Effluent	4	380	293	225 - 820
	Influent	7	39.6	10.0	27 - 53
NH ₃ -N (mg/L)	Influent (Tan.)	. 7	422	279	22 - 960
(_ 5 – /	Effluent	4	196	7.50	185 - 200
	Influent	7	0.055	0.026	0.035 - 0.094
NO ₃ -N (mg/L)	Influent (Tan.)	7	3.03	2.06	1.65 - 5.77
	Effluent	4 ·	0.097	0.059	0.044 - 0.166

Note: Influent (Tan.) is the influent wastewater from tannery operation. Influent is the influent wastewater from the slaughterhouse.

Key: DO = Dissolved oxygen

TSS = Total suspended solids

BOD = Biological oxygen demand (5-day test)

COD = Chemical oxygen demand

TOC = Total organic carbon
TKN = Total nitrogen by Kjeldahl method

NH₃-N = Nitrogen (ammonia)

 $NO_3-N = Total nitrates$

Table 5-6
Summary of Measured Air Concentrations for Beef Processing Plant in Midwest U.S.

		No.	Average		Range
Compound	Location	Obs.	(ppm)	%CV	(ppm)
Methane	Upwind	44	2.83	10.7	2.46 - 3.16
(CH ₄)	Downwind	342	58.1	41.2	34.8 - 200
Ethylene	Upwind	44	0	0	0
(C ₂ H ₄)	Downwind	342	0	0	0
Ammonia	Upwind	44	277 ppb	. 37.8	144 - 428 ppb
(NH ₃)	Downwind	342	1.04	14.6	0.450 - 2.06
Carbon Dioxide	Upwind	44	501	5.44	458 - 547
(CO ₂)	Downwind	342	500	10.3	445 - 669
Carbon Monoxide	Upwind	44	271 ppb	14.6	224 - 340 ppb
(CO)	Downwind	342	255 ppb	29.7	141 - 465 ppb
Hydrogen Sulfide	Upwind	44	0	0	0
(H ₂ S)	Downwind	342	0	0 ·	0
Nitrous Oxide	Upwind	44	474 ppb	0.87	466 - 480 ppb
(N₂O)	Downwind	342	483 ppb	1.02	471 - 491 ppb
Sulfur Hexafluoride	Upwind	44	0.5 ppb	39.9	0 - 0.8 ppb
(SF ₆)	Downwind	342	19.3 ppb	60.6	0.8 - 80.6 ppb
Water Vapor	Upwind	44	17,500	10.6	14,900 - 20,200
(H ₂ O)	Downwind	342	19,000	10.2	15,900 - 24,200
Total Hydrocarbons	Upwind	44	0	0	0
(as Hexane)	Downwind	342	244 ppb	48.7	0 - 817 ppb
Carbon	Upwind	44	7.4 ppb	75.0	0 - 14.6 ppb
Tetrachloride (CCl ₄)	Downwind	342	11.0 ppb	110	0 - 32.0 ppb

Table 5-6 (Continued)

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
Chloroform	Upwind	44	9.5 ppb	54.9	0 -18.1 ppb
(CHCl ₃)	Downwind	342	12.5 ppb	86.5	0 - 32.7 ppb
Dichloro-	Upwind	44	4.5	32.8	2.2 - 6.7
difluoromethane (CCl ₂ F ₂)	Downwind	342	5.1 ppb	72.5	0 - 9.1 ppb
Methylene Chloride	Upwind	44	63.6 ppb	38.7	21.1 - 95.3 ppb
(CH₂Cl₂)	Downwind	342	76.6 ppb	67.2	0 - 156 ppb
Trichloro- fluoromethane (CCl ₃ F)	Upwind	44	0	0	0
	Downwind	342	0.1 ppb	313	0 - 1.8 ppb

Table 5-7
Summary of Measured Emission Rates for Beef Processing Plant in Midwest U.S.

Compound	No. Valid Obs.	Average Emission Rate* (g/sec)	%CV	Range (g/sec)
Methane	300	226	189	137 - 7,590
Ethylene	300	0	0	0
Ammonia	300	3.50	149	0.960 -92.6
Carbon Dioxide	300	-188	413	-11,250 - 993
Carbon Monoxide	300	0.0022	79,000	-1.16 - 28.6
Hydrogen Sulfide	300	0	0	0
Nitrous Oxide	300	0.125	149	-0.0137 - 3.23
Sulfur Hexafluoride	300	N/A	N/A	N/A
Water Vapor	300	3,570	228	-9,650 -87,800
Total Hydrocarbons (as Hexane)	300	7.50	204	0 - 268
Carbon Tetrachloride	300	0.0563	1,060	-6.00 - 1.25
Chloroform	300	0.0555	1,010	-6.88 - 1.04
Dichloro- difluoromethane	300	0.0405	2.15	0.166 - 408
Methylene Chloride	300	0.112	1,390	-20.0 - 2.59
Trichloro- fluoromethane	300	0.00404	0.0544	0.0119 - 295

Negative emission rates occur when the upwind concentration exceeds the downwind concentration.

N/A = Not applicable.

Table 5-8
Summary of Meteorological Data for Valid Sampling Periods for Beef Processing Plant in Midwest U.S.

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	23:20:00	134.8	-29.2	16.5	5.9
8/31/95	14:00:00	134.8	-29.2	12	15.1
8/31/95	16:50:00	134.8	-29.2	12.1	9.1
8/31/95	16:55:00	134.8	-29.2	11.7	15.7
8/31/95	17:15:00	135	-29	10.2	10.8
8/30/95	23:40:00	135.9	-28.1	13.8	6.1
8/30/95	23:55:00	135.9	-28.1	15.8	6.6
8/30/95	23:45:00	136.1	-27.9	14.3	5.5
8/31/95	22:35:00	136.1	-27.9	12.9	4.9
8/30/95	23:15:00	136.8	-27.2	16.4	6.3
8/31/95	12:45:00	136.8	-27.2	9.9	12.1
-8/31/95 -	-22:05:00 -	136.8	-27.2	9.7	5
8/31/95	22:10:00	136.8	-27.2	10	4.8
8/31/95	22:15:00	136.8	-27.2	9.8	5.3
8/30/95	21:50:00	137.2	-26.8	7.7	6.3
8/31/95	14:05:00	137.2	-26.8	14.6	14
8/31/95	21:15:00	137.2	-26.8	9.6	5.5
8/31/95	22:00:00	137.2	-26.8	9.7	4.9
8/31/95	21:55:00	138.1	-25.9	10.1	5
8/31/95	17:45:00	139.1	-24.9	10.6	13.5
8/31/95	21:50:00	139.1	-24.9	10.6	5.4
8/30/95	19:10:00	139.9	-24.1	16.1	6.9
8/30/95	19:15:00	139.9	-24.1	13.5	6.4

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/31/95	20:50:00	139.9	-24.1	8.9	5.4
8/31/95	23:30:00	139.9	-24.1	9.3	5.4
8/31/95	21:10:00	140	-24	9.9	5.4
8/31/95	21:20:00	140	-24	9.5	5.3
8/31/95	23:25:00	140	-24	10	5.2
8/30/95	00:00:00	140.9	-23.1	17.2	5.3
8/30/95	22:15:00	140.9	-23.1	10.3	6.4
8/31/95	23:20:00	140.9	-23.1	9.9	4.7
8/31/95	00:05:00	141.1	-22.9	17.5	6.5
8/31/95	21:45:00	141.1	-22.9	10.3	5.4
8/31/95	23:10:00	141.1	-22.9	10.4	5.7
8/31/95	14:20:00	141.8	-22.2	12.8	14
8/31/95	17:00:00	141.8	-22.2	10.9	11.5
8/31/95	20:55:00	141.8	-22.2	8.3	4.7
8/30/95	21:30:00	142	-22	8.4	8.5
8/31/95	00:10:00	142	-22	17.8	5.7
8/31/95	12:15:00	142	-22	9.5	14.1
8/31/95	21:35:00	142	-22	10.2	5.7
8/31/95	21:40:00	142	-22	10.8	5.9
8/31/95	22:40:00	142	-22	13.7	5.5
8/31/95	23:15:00	142	-22	10.1	4.9
8/30/95	22:00:00	142.9	-21.1	9.4	13.9
8/31/95	23:05:00	142.9	-21.1	10.9	5.4
8/30/95	19:20:00	143.1	-20.9	16.2	8.3

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/31/95	16:20:00	143.1	-20.9	12.5	9.6
8/31/95	23:35:00	143.1	-20.9	8.8	5.5
8/31/95	00:15:00	144	-20	18.5	5.3
8/30/95	18:20:00	144.2	-19.8	5.6	4.3
8/31/95	00:35:00	144.2	-19.8	19.4	6
8/31/95	01:10:00	144.2	-19.8	15.3	5.9
8/31/95	00:30:00	144.9	-19.1	21.3	6.3
8/31/95	00:40:00	144.9	-19.1	18	6.4
8/31/95	21:05:00	144.9	-19.1	9.4	4.6
8/31/95	21:30:00	144.9	-19.1	10.1	5
8/31/95	01:15:00	145.1	-18.9	14.1	5.9
8/31/95	21:00:00	145.1	-18.9	8.6	4.2
8/31/95	21:25:00	145.1	-18.9	9.8	4.7
8/31/95	23:00:00	145.1	-18.9	11.7	5
8/30/95	18:25:00	145.8	-18.2	4.7	4.8
8/30/95	19:25:00	145.8	-18.2	17.8	6.8
8/30/95	19:35:00	145.8	-18.2	16.5	6.4
8/31/95	01:05:00	145.8	-18.2	15.6	5.4
8/31/95	01:20:00	145.8	-18.2	15.2	6
8/31/95	00:20:00	146.2	-17.8	18.9	6.3
8/31/95	00:25:00	146.2	-17.8	20.8	5.4
8/31/95	16:25:00	146.2	-17.8	12.4	16.2
8/31/95	16:40:00	146.2	-17.8	13.3	15.4
8/31/95	17:05:00	146.2	-17.8	11.2	12.8

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	19:30:00	146.9	-17.1	17	8.5
8/31/95	00:45:00	146.9	-17.1	17.8	6.6
8/31/95	01:00:00	146.9	-17.1	16.4	5.5
8/31/95	22:45:00	147.1	-16.9	13.5	5.8
8/30/95	19:40:00	148	-16	15.1	6.1
8/30/95	21:55:00	148	-16	8	8.8
8/31/95	02:05:00	148	-16	15	5.8
8/31/95	15:20:00	148	-16	14.2	9.2
8/31/95	00:50:00	148.1	-15.9	17.6	6
8/31/95	00:55:00	148.1	-15.9	17	6.1
8/31/95	02:10:00	148.1	-15.9	17.8	5.9
8/31/95	15:30:00	148.1	-15.9	12.8	15.9
8/31/95	23:40:00	148.1	-15.9	8.2	5.7
8/31/95	22:55:00	148.9	-15.1	12.7	5
8/30/95	22:20:00	149	-15	9.3	6.6
8/31/95	01:35:00	149	-15	15.3	5.2
8/30/95	18:15:00	149.9	-14.1	6.2	8.5
8/31/95	10:40:00	149.9	-14.1	4.9	38.5
8/31/95	16:05:00	149.9	-14.1	12.6	13.9
8/31/95	01:40:00	150.1	-13.9	16.7	6.4
8/31/95	01:55:00	150.1	-13.9	15.6	6.1
8/31/95	02:00:00	150.1	-13.9	15.3	6.8
8/31/95	02:15:00	150.1	-13.9	18.3	6.3
8/31/95	14:40:00	150.1	-13.9	13.4	9.8

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/31/95	22:50:00	150.1	-13.9	13	5.7
8/31/95	01:25:00	150.8	-13.2	15.4	6.5
8/30/95	18:10:00	151	-13	5.2	8.8
8/31/95	15:00:00	151	-13	12	14.1
8/31/95	23:45:00	151	-13	8.7	6.8
8/30/95	21:45:00	151.9	-12.1	8	7.7
8/31/95	01:30:00	151.9	-12.1	15.4	6.9
8/31/95	01:45:00	151.9	-12.1	17	6.6
8/31/95	02:20:00	151.9	-12.1	17.4	6.3
8/31/95	14:15:00	151.9	-12.1	11.2	10.8
8/31/95	02:25:00	152.1	-11.9	17	7.2
8/30/95	19:45:00	152.8	-11.2	15.6	. 7.7
8/31/95	15:35:00	- 152.8	-11.2	15.7	11.8
8/31/95	01:50:00	154.1	-9.9	16.3	6.8
8/31/95	02:30:00	154.1	-9.9	16.7	7
8/31/95	16:10:00	154.1	-9.9	13.1	13.1
8/30/95	22:10:00	155.2	-8.8	10.1	7.4
8/31/95	02:35:00	155.9	-8.1	17.7	7
8/31/95	02:40:00	155.9	-8.1	15.9	6.8
8/31/95	14:35:00	156.1	-7.9	11.6	13.1
8/31/95	15:25:00	156.1	-7.9	14.5	8.6
8/31/95	15:45:00	156.1	-7.9	13.6	12.9
8/31/95	15:55:00	156.1	-7.9	12.5	11.7
8/31/95	23:50:00	157	-7	9.3	7.2

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	22:05:00	157.1	-6.9	9.1	9.3
8/31/95	14:30:00	157.1	-6.9	12.7	9.1
8/31/95	14:55:00	157.1	-6.9	10.8	15.1
8/31/95	15:10:00	157.1	-6.9	12.4	15
8/30/95	21:35:00	157.9	-6.1	7.4	7.9
8/31/95	02:45:00	157.9	-6.1	15.8	6.6
8/29/95	22:50:00	158	-6	14.3	6.4
8/31/95	02:50:00	158	-6	16.5	6.1
8/31/95	14:45:00	158	-6	10.6	23.5
8/31/95	14:50:00	159.1	-4.9	12.7	12.4
8/31/95	15:05:00	159.1	-4.9	15.8	18
8/29/95	22:55:00	159.8	-4.2	14.8	6.6
8/31/95	15:15:00	159.8	-4.2	14.6	15
8/31/95	16:00:00	159.8	-4.2	11	12.4
8/29/95	22:45:00	160.2	-3.8	13.2	6.3
8/31/95	02:55:00	160.2	-3.8	15.3	7.2
8/31/95	16:35:00	160.2	-3.8	8.7	13.5
8/31/95	15:50:00	160.9	-3.1	11.8	9.6
8/29/95	23:15:00	161.1	-2.9	12.1	6.5
8/29/95	23:00:00	161.8	-2.2	14.9	27.6
8/31/95	16:15:00	161.8	-2.2	10.5	11.9
8/29/95	23:30:00	162.2	-1.8	13.8	. 7
8/30/95	18:30:00	162.2	-1.8	5.6	11
8/29/95	23:25:00	162.9	-1.1	13.1	7.2

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/29/95	23:35:00	162.9	-1.1	14.4	7.9
8/30/95	19:50:00	162.9	-1.1	14	8.6
9/1/95	00:05:00	162.9	-1.1	11	5.9
8/29/95	00:00:00	163.1	0.9	15.5	6.9
8/29/95	23:10:00	163.1	-0.9	12.7	6.3
8/29/95	23:20:00	163.1	-0.9	12.5	7.1
8/31/95	00:00:00	163.1	-0.9	11.1	5.3
8/31/95	23:55:00	163.1	-0.9	10.8	7.4
8/29/95	23:05:00	163.8	-0.2	13.9	6.9
8/29/95	23:40:00	163.8	-0.2	14.1	7
8/29/95	23:50:00	163.8	-0.2	14.7	6.9
8/30/95	00:15:00	163.8	-0.2	15.3	6.4
8/31/95	14:10:00	163.8	-0.2	12.2	13.6
9/1/95	00:10:00	163.8	-0.2	10.5	6.8
8/29/95	23:45:00	164.2	0.2	14.9	7.2
8/29/95	23:55:00	164.2	0.2	14.8	6.8
8/30/95	00:10:00	164.2	0.2	15.2	7.9
8/30/95	18:50:00	164.2	0.2	5.1	8
8/31/95	15:40:00	164.2	0.2	12.6	9.7
8/30/95	00:05:00	164.9	0.9	15	6.5
8/30/95	00:35:00	164.9	0.9	15.7	7.5
8/30/95	00:20:00	165.1	1.1	14.7	7.2
8/30/95	21:40:00	165.1	1.1	8.9	7.6
9/1/95	00:15:00	166	2	11.3	6.6

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	00:25:00	166.1	2.1	14.9	7.5
8/30/95	00:30:00	166.1	2.1	15.4	7.4
8/30/95	20:15:00	166.1	2.1	14.2	7.2
8/30/95	18:55:00	166.9	2.9	4.8	12.3
8/30/95	00:40:00	167	3	14.5	8
8/30/95	00:55:00	167	3	15	8
8/30/95	01:00:00	167	3	14.5	7.2
8/31/95	14:25:00	167	3	12.3	15.2
9/1/95	00:20:00	167	3	10.7	6.6
8/30/95	00:45:00	167.9	3.9	14.9	7.7
8/29/95	22:40:00	168.1	4.1	13.3	8.8
8/30/95	00:50:00	169.2	5.2	14.6	7.4
8/30/95	18:35:00	169.9	5.9	4.8	7.4
8/31/95	10:20:00	170.1	6.1	4.8	15.4
9/1/95	00:35:00	170.1	6.1	10.8	6.9
8/29/95	22:35:00	171.2	7.2	13.1	8.3
8/30/95	07:30:00	171.2	7.2	15.3	7.5
9/1/95	00:25:00	171.2	7.2	10.2	6.8
8/30/95	20:10:00	172.1	8.1	15.1	8.7
8/30/95	20:20:00	172.1	8.1	13.8	8.6
9/1/95	00:30:00	172.1	8.1	10.5	7.4
8/30/95	04:30:00	173.2	9.2	15.3	6.9
8/30/95	01:05:00	174.1	10.1	13.7	8.3
8/30/95	07:20:00	174.1	10.1	14.6	7.9

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	07:25:00	174.1	10.1	14.5	8.5
8/30/95	20:05:00	174.1	10.1	13.2	9.1
8/30/95	20:30:00	174.1	10.1	12.6	7.7
9/1/95	00:40:00	174.1	10.1	9.2	7.2
8/30/95	01:10:00	175	11	13.8	7.4
8/30/95	01:15:00	175	11	13.7	7.1
8/30/95	04:25:00	175	11	15.3	8.1
8/29/95	22:25:00	175.1	11.1	13.4	8.3
8/30/95	04:20:00	175.1	11.1	15	8.7
8/30/95	07:15:00	175.1	11.1	15.1	7
8/30/95	07:35:00	175.1	11.1	15.1	7.6
8/30/95	07:45:00	175.1	11.1	14.9	8
9/1/95	00:55:00	- 175.1	11.1	10.3	8
9/1/95	01:00:00	175.1	11.1	10.4	6.5
8/30/95	01:20:00	176.2	12.2	15.2	7.5
8/30/95	07:05:00	176.2	12.2	13.8	8.5
8/30/95	07:10:00	176.2	12.2	14.5	6.8
8/30/95	07:40:00	176.9	12.9	14.6	8.1
8/29/95	22:30:00	177.1	13.1	14.3	7.2
8/30/95	01:25:00	177.1	13.1	14.7	6.9
8/30/95	07:00:00	177.1	13.1	13.7	6.8
8/30/95	07:50:00	177.1	13.1	14.6	7.6
8/30/95	08:05:00	177.8	13.8	13.3	8.6
8/30/95	06:55:00	178	14	13.5	6.6

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	04:10:00	178.9	14.9	14.1	7.7
8/30/95	04:15:00	178.9	14.9	14.7	6.6
8/30/95	04:35:00	178.9	14.9	15.2	6.6
8/30/95	06:50:00	178.9	14.9	13.1	7
8/30/95	17:50:00	178.9	14.9	5.1	6.8
8/30/95	18:45:00	178.9	14.9	4.5	9.1
9/1/95	01:05:00	178.9	14.9	10.3	7.1
8/30/95	01:30:00	179.1	15.1	15.6	7.7
8/30/95	01:35:00	179.1	15.1	16.1	7.2
8/30/95	01:40:00	179.1	15.1	16.1	7.7
8/30/95	03:55:00	179.1	15.1	15.3	7.1
8/30/95	04:00:00	179.1	15.1	15.3	7.1
8/30/95	04:05:00	179.1	15.1	14.8	8
8/30/95	04:40:00	179.1	15.1	16.2	7.6
8/30/95	06:15:00	179.1	15.1	14.4	7.7
8/30/95	06:25:00	179.1	15.1	14.3	7.2
8/30/95	06:30:00	179.1	15.1	13.6	7.7
8/30/95	06:40:00	179.1	15.1	13.7	7.9
8/30/95	07:55:00	179.1	15.17.	14.8	7.7
9/1/95	00:45:00	179.1	15.1	10.4	6.9
9/1/95	00:50:00	179.1	15.1	11.1	7
8/30/95	01:45:00	179.8	15.8	15.6	7.2
8/30/95	04:45:00	179.8	15.8	16.5	8.2
8/30/95	06:20:00	179.8	15.8	14.8	6.4

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
9/1/95	01:10:00	179.8	15.8	11.4	8
9/1/95	02:10:00	179.8	15.8	8.3	7.1
9/1/95	02:15:00	179.8	15.8	8.4	7.9
8/30/95	03:30:00	180.9	16.9	14.4	7.2
8/30/95	03:35:00	180.9	16.9	15.2	7.9
8/30/95	02:00:00	181.1	17.1	15.4	8.6
8/30/95	03:50:00	181.1	17.1	15.7	7.5
8/30/95	04:50:00	181.1	17.1	15.9	7.1
8/30/95	06:35:00	181.1	17.1	14	7.1
8/30/95	06:45:00	181.1	17.1	12.5	7.1
8/30/95	08:00:00	181.1	17.1	14.3	7.7
8/30/95	20:25:00	181.1	17.1	14	7.4
9/1/95	01:15:00	181.1	17.1	11.4	6.9
9/1/95	02:20:00	181.1	17.1	8	6.8
8/29/95	22:20:00	181.8	17.8	13.9	7.5
8/30/95	03:45:00	182	18	15.2	7.2
8/30/95	01:50:00	182.2	18.2	15.2	6.9
8/30/95	02:05:00	182.2	18.2	14.8	7.1
8/30/95	20:35:00	182.2	18.2	12.1	9
9/1/95	01:40:00	182.2	18.2	8.6	7.7
9/1/95	02:05:00	182.2	18.2	8.7	7.4
8/30/95	02:10:00	182.9	18.9	14.4	6.9
8/30/95	03:40:00	182.9	18.9	16.1	7.5
8/30/95	04:55:00	182.9	18.9	16.8	7.5

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	05:05:00	182.9	18.9	15.3	7.2
8/30/95	06:10:00	182.9	18.9	15.5	6.9
8/30/95	01:55:00	183.1	19.1	15.5	6.6
8/30/95	03:25:00	183.1	19.1	14.6	6.9
8/30/95	08:10:00	183.1	19.1	13.3	7.9
8/30/95	08:15:00	183.1	19.1	12.7	8.6
8/30/95	18:05:00	183.1	19.1	4.5	8
8/30/95	21:25:00	183.1	19.1	7.8	13.6
8/30/95	02:50:00	184	20	12.3	7
8/30/95	05:15:00	184	20	16.2	6.9
8/30/95	05:55:00	184	20	15.1	6.6
8/30/95	06:00:00	184	20	· 15	7.9
8/30/95	08:20:00	184	20	11.8	7.9
8/30/95	19:55:00	184	20	13.7	15
9/1/95	01:20:00	184	20	10.8	6.9
9/1/95	01:50:00	184	20	8.6	7.2
9/1/95	02:00:00	184	20	8.7	7.7
8/30/95	03:20:00	184.1	20.1	14.2	7.9
8/30/95	05:10:00	184.1	20.1	16.1	6.5
8/30/95	06:05:00	184.1	20.1	15.5	6.1
9/1/95	01:35:00	184.1	20.1	9.2	6.8
8/30/95	02:25:00	184.9	20.9	13.7	6.3
8/30/95	03:15:00	184.9	20.9	14.3	5.8
8/30/95	05:00:00	184.9	20.9	15.8	8.3

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	05:20:00	184.9	20.9	15.6	6.5
8/30/95	12:55:00	184.9	20.9	10.4	13.2
8/30/95	02:15:00	185.2	21.2	14.3	7.1
8/30/95	05:45:00	185.2	21.2	15.7	6.8
8/30/95	05:50:00	185.2	21.2	15.7	8
8/30/95	08:40:00	185.2	21.2	13.3	7.9
8/30/95	17:55:00	185.2	21.2	6.1	5.4
9/1/95	01:25:00	185.2	21.2	10.1	6.9
9/1/95	01:45:00	185.2	21.2	7.9	7.6
9/1/95	01:55:00	185.2	21.2	8.4	7.4
8/30/95	02:20:00	185.9	21.9	13.6	6.9
8/30/95	02:55:00	185.9	21.9	12.7	7.1
8/30/95	03:05:00	185.9	21.9	-13.7	- 6.8 -
8/30/95	03:10:00	185.9	21.9	14	7.1
8/30/95	08:25:00	185.9	21.9	12.3	8.3
8/30/95	08:35:00	185.9	21.9	12.5	7.2
8/30/95	08:45:00	186.1	22.1	13.2	8
8/30/95	05:30:00	186.8	22.8	14.7	7.1
9/1/95	02:25:00	186.8	22.8	8.2	7.6
8/30/95	02:30:00	187.2	23.2	12.6	7.1
8/30/95	02:35:00	187.2	23.2	13	7
8/30/95	02:40:00	187.2	23.2	12.2	7.6
8/30/95	02:45:00	187.2	23.2	11.7	7.1
8/30/95	03:00:00	187.2	23.2	14	7.4

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	05:25:00	187.2	23.2	16.2	6.8
8/30/95	05:40:00	187.2	23.2	15.2	6.5
8/30/95	18:00:00	187.2	23.2	5.2	14.2
9/1/95	01:30:00	187.2	23.2	9.7	5.4
8/30/95	08:50:00	187.9	23.9	13.4	7.1
8/30/95	05:35:00	188.1	24.1	13.8	7.1
8/29/95	22:15:00	188.8	24.8	13.3	9.7
8/30/95	08:30:00	188.8	24.8	12.6	7.9
8/30/95	12:20:00	188.8	24.8	10.8	10.3
8/30/95	20:00:00	188.8	24.8	11.7	20.7
8/30/95	09:00:00	189.2	25.2	12.8	7.5
8/30/95	08:55:00	190.1	26.1	12.6	8.1
8/30/95	09:05:00	190.1	26.1	13.6	7
8/30/95	12:25:00	190.1	26.1	10	8.7
8/30/95	13:50:00	190.1	26.1	10	9.1
8/30/95	17:45:00	190.1	26.1	5.1	11.4
8/30/95	12:15:00	190.8	26.8	11.1	11.5
8/30/95	09:10:00	191.2	27.2	13.4	8.2
8/30/95	09:20:00	191.2	27.2	13.1	8.2
8/30/95	20:40:00	191.2	27.2	9.4	8
8/30/95	20:45:00	191.2	27.2	8	9.4
8/30/95	09:25:00	191.9	27.9	12.6	8.2
9/1/95	03:35:00	191.9	27.9	7.7	8.1
8/30/95	09:15:00	193	29	13.3	8

Table 5-8 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal (WD) (deg)	Wind Speed (mph)	Sigma Theta
8/30/95	09:50:00	193	29	11	9.3
8/30/95	13:00:00	193	29	10.7	10.1
8/30/95	12:30:00	193.1	29.1	9.2	9.1
8/30/95	11:45:00	193.9	29.9	12.6	9.9
8/30/95	12:00:00	194.2	30.2	12	11
9/1/95	02:30:00	194.2	30.2	8.8	7.5
8/30/95	09:45:00	194.9	30.9	12.2	8.8

Table 5-9
Results of Wastewater Analyses for
Beef Processing Plant - Midwest U.S.

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	8	6.8	0.1	6.7 - 7.1
pН	Effluent	4	7.1	0.1	7.0 - 7.2
DO	Influent	8	0.4	0.3	0 - 0.7
(mg/L)	Effluent	4	0.3	0.15	0.1 - 0.4
Temp.	Influent	8	30.6	2.3	28.4 - 33.4
(°C)	Effluent	4	27.2	1.3	26.0 - 29.1
TSS	Influent	8	1,430	485	890 - 2,190
(mg/L)	Effluent	4	582	196	405 - 840
BOD	Influent	8	2,410	686	1,530 - 3,340
(mg/L)	Effluent	4	292	17.6	275 - 310
COD	Influent	8	4,300	1,150	2,910 - 5,720
(mg/L)	Effluent	4	922	109	830 - 1,040
TOC	Influent	8	312	88.4	195 - 425
(mg/L)	Effluent	4	59	12	46 - 75
TKN	Influent	8	164	38.1	115 - 205
(mg/L)	Effluent	4	245	7.07	235 - 250
NH ₃ -N	Influent	8	47	18	24 - 75
(mg/L)	Effluent	4	214	7.5	205 - 220
NO ₃ -N	Influent	8	0.0766	0.0176	0.051 - 0.093
(mg/L)	Effluent	4	0.0453	0.0040	0.041 - 0.050

Table 5-10 Summary of Measured Air Concentrations for Chicken Processing Plant in Southeast U.S.

	T	No.	Average	m CN1	Range
Compound	Location	Obs.	(ppm)	%CV	(ppm)
Methane	Upwind	12	1.92	4.25	1.80 - 2.09
(CH ₄)	Downwind	70	9.80	77.6	4.01 - 29.9
Ethylene	Upwind	12	0	0	0
(C ₂ H ₄)	Downwind	70	0	0	0
Ammonia	Upwind	12	2.8 ppb	346	0 - 33.9 ppb
(NH ₃)	Downwind	70	2.6 ppb	369	0 - 44.1 ppb
Carbon Dioxide	Upwind	12	434	7.58	391 - 505
(CO ₂)	Downwind	70	510	9.66	411 - 587
Carbon Monoxide	Upwind	12	206 ppb	1.65	200 - 209 ppb
(CO)	Downwind	70	298 ppb	17.3	193 - 419 ppb
Hydrogen Sulfide	Upwind	12	0	0	0
(H ₂ S)	Downwind	70	9.69	28.9	0 - 15.6
- Nitrous Oxide -	Upwind	-12	-542 ppb	0.40	539 - 546 ppb
(N ₂ O)	Downwind	70	563 ppb	0.87	557 - 586 ppb
Sulfur Hexafluoride	Upwind	12	0	0	0
(SF ₆)	Downwind	70	26.8 ppb	178	0 - 157 ppb
Water Vapor	Upwind	12	16,400	3.27	15,400 - 17,300
(H ₂ O)	Downwind	70	16,500	5.01	13,700 - 18,100
Total Hydrocarbons	Upwind	12	0	0	0
(as Hexane)	Downwind	70	0	0	0
Carbon	Upwind	12	0	0	0
Tetrachloride (CCL)	Downwind	70	1.4 ppb	289	0 - 17.9 ppb
Chloroform (CHCl ₃)	Upwind	12	0.5 ppb	346	0 -6.4 ppb

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Table 5-10 (Continued)

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
	Downwind	70	9.6 ppb	107	0 - 28.3 ppb
Dichloro-	Upwind	12	7.9 ppb	12.2	5.9 - 8.7
difluoromethane (CCl ₂ F ₂)	Downwind	70	10.7 ppb	49.8	0 - 19.6 ppb
Methylene Chloride	Upwind	12	0	0	0
(CH ₂ Cl ₂)	Downwind	70 .	25.7 ppb	114	0 - 90.4 ppb
Trichloro-	Upwind	12	7.9 ppb	6.54	6.4 - 8.4 ppb
fluoromethane (CCl ₃ F)	Downwind	70	3.4 ppb	105	0 - 10.1 ppb

Table 5-11 Summary of Measured Emission Rates for Chicken Processing Plant in Southeast U.S.

Compound	No. Valid Obs.	Average Emission Rate* (g/sec)	%CV	Range (g/sec)
Methane	68	179	. 107	10.8 - 898
Ethylene	68	0	0	0
Ammonia	68	-0.061	520	-0.373 - 1.86
Carbon Dioxide	68	12,400	101	-47.7 - 40,600
Carbon Monoxide	68	5.63	128	-0.349 - 32.0
Hydrogen Sulfide	68	833	99,0	0 - 2,800
Nitrous Oxide	68	2.64	101	0.024 - 9.48
Sulfur Hexafluoride	68	N/A	N/A	N/A
Water Vapor	68	2,540	2,720	-242,000 - 163,000
Total Hydrocarbons (as Hexane)	68	0	0	0
Carbon Tetrachloride	68	0.549	291	0 - 8.04
Chloroform	68	5.28	110	-0.175 - 15.6
Dichloro- difluoromethane	68	0.014	9,490	-5.18 - 3.62
Methylene Chloride	68	9.96	114	0 - 26.3
Trichloro- fluoromethane	68	-2.71	108	-8.50 - 0.175

Negative emission rates occur when the upwind concentration exceeds the downwind concentration.

N/A = Not applicable.

Table 5-12
Summary of Meteorological Data for Valid Sampling Periods for Chicken Processing Plant in the Southeast U.S.

		Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(deg)	(deg)	(mph)	Theta
9/6/95	12:55:00	121.1	29.1	4	72.2
9/7/95	12:45:00	119	27	5.1	16.8
9/6/95	11:55:00	115	23	7.1	31.5
9/7/95	12:25:00	113	21	4.8	45.1
9/6/95	16:00:00	110	18	5.6	29
9/6/95	12:15:00	108	16	6.1	57.1
9/6/95	10:20:00	106	14	6.4	23.9
9/6/95	11:15:00	105.8	13.8	4	43.6
9/6/95	09:00:00	103.9	11.9	1.2	22.9
9/6/95	15:35:00	103	11	5.2	34.1
9/6/95	10:40:00	101	9	3.9	50.3
9/6/95	15:55:00	97.9	5.9	4.2	34.3
9/6/95	10:50:00	96.9	4.9	4.2	42.5
9/6/95	11:40:00	94	2	5.4	26.1
9/6/95	15:30:00	94	2	6.6	39.3
9/7/95	12:40:00	94	2	4.4	29.6
9/6/95	16:20:00	88	-4	5	37.7
9/6/95	10:00:00	87.9	-4.1	4.1	48.7
9/6/95	10:15:00	87.9	-4.1	5.1	34.4
9/6/95	17:20:00	87.9	-4.1	3.6	40
9/6/95	12:35:00	87	-5	6.4	40.7
9/6/95	12:05:00	85.9	-6.1	6.6	30.3
9/6/95	14:35:00	85.9	-6.1	5.8	35.3
9/7/95	12:20:00	85.9	-6.1	6.6	28.2
9/6/95	12:40:00	85	-7	6.4	26
9/6/95	15:00:00	85	-7	5.2	41.3
9/6/95	18:00:00	84.1	-7.9	3	31.8
9/6/95	11:35:00	83	-9	6.1	28.1

Table 5-12 (Continued)

		Wind Deviation Direction from Ideal (WD) WD		Wind Speed	Sigma
Date	Time	(deg)	(deg)	(mph)	Theta
9/6/95	08:30:00	82.1	-9.9	1.4	47
9/6/95	18:30:00	80.8	-11.2	2.6	25.5
9/6/95	16:05:00	80.1	-11.9	5.1	34.5
9/6/95	18:15:00	80.1	-11.9	3.1	33.2
9/6/95	13:20:00	79	-13	4.4	58.4
9/6/95	14:25:00	78.9	-13.1	7	38.2
9/6/95	16:15:00	78.9	-13.1	5.9	21.7
9/6/95	17:05:00	78.9	-13.1	5.1	21.2
9/6/95	13:15:00	78	-14	6.6	23.8
9/6/95	11:30:00	77.1	-14.9	5.5	35.8
9/6/95	14:10:00	77.1	-14.9	5.5	29.6
9/6/95	14:30:00	77.1	-14.9	6.5	33.1
9/6/95	14:40:00	77.1	-14.9	6.9	25.2
9/6/95	10:35:00	76	-16	4.4	54.6
9/6/95	15:05:00	76	-16	6	49.8
9/6/95	15:40:00	76	-16	6	27.9
9/6/95	15:50:00	76	-16	7.4	27.7
9/6/95	15:45:00	75.1	-16.9	6.3	32
9/6/95	16:55:00	74.9	-17.1	6.6	29.6
9/6/95	18:05:00	74.9	-17.1	4	31.5
9/6/95	18:20:00	74.9	-17.1	2.6	28.7
9/6/95	11:50:00	72	-20	6.5	42.7
9/6/95	09:55:00	71.8	-20.2	4.1	44.1
9/6/95	10:05:00	70.9	-21.1	3.5	50.7
9/6/95	10:45:00	70.9	-21.1	4	44.5
9/6/95	14:45:00	70.9	-21.1	4.4	43.6
9/6/95	18:25:00	70.9	-21.1	2.9	18
9/6/95	08:10:00	70	-22	1.1	17.5
9/6/95	09:25:00	69	-23	2.5	59.9
9/6/95	11:10:00	69	-23	4.6	28.5

Table 5-12 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
9/6/95	17:55:00	69	-23	3.5	25.5
9/6/95	11:25:00	68.1	-23.9	5.2	37.4
9/6/95	13:45:00	67.9	-24.1	7.5	27.2
9/6/95	14:05:00	67.9	-24.1	6.3	40
9/6/95	10:10:00	65 .	-27	6.9	24.3
9/6/95	13:05:00	65	-27	5.5	38.1
9/6/95	17:40:00	63	-29	5.3	34.9
9/6/95	18:35:00	63	-29	1.3	16.7
9/6/95	17:00:00	61.9	-30.1	5.1	29.5
9/6/95	18:40:00	61.9	-30.1	1.1	28.1

Table 5-13
Results of Wastewater Analyses for
Chicken Processing Plant - Southeast U.S.

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	2	6.8	0	6.8
pН	Effluent	1	6.1	· 	-
	Sludge	0	_		
	Influent	6	4.9	0.7	4.0 - 5.7
DO (mg/L)	Effluent	3	0.9	0.6	0.2 - 1.5
	Słudge	1	. 0		_
_	Influent	6	24.8	0.9	23.5 - 26.2
Temp. (°C)	Effluent	3	24.5	0.7	23.8 - 25.2
	Sludge	1	23.8	_	<u>-</u>
	Influent	6	879	167	660 - 1,100
TSS (mg/L)	Effluent	. 3	100	56.8	60 - 165
	Sludge	1	43,500	 .	
	-Influent	6	1,400	118	1,240 - 1,600
BOD (mg/L)	Effluent	3	73.3	12.6	60 - 85
	Sludge	1	4,350		
	Influent	6	2,430	795	1,795 - 3,970
COD (mg/L)	Effluent	3	200	45.8	160 - 250
	Sludge	1	8,500	-	_
	Influent	6	223	87.0	160 - 395
TOC (mg/L)	Effluent	3	26.3	9.3	16 - 34
	Sludge	1	120		
	Influent	6	117	17.5	95 - 140
TKN	Effluent	3	76.7	10.4	65 - 85
(mg/L)	Sludge	1	565	_	444

Table 5-13 (Continued)

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	6	7.3	2.1	5 - 11
NH ₃ -N (mg/L)	Effluent	3	81.7	6.5	75 - 88
(3 -)	Sludge	1	88	-	-
	Influent	. 6	1.76	1.01	1.12 - 3.80
NO ₃ -N (mg/L)	Effluent	3	0.0300	0.0072	0.024 - 0.038
(mg, 2)	Sludge	1	0.478	+	

Key: DO = Dissolved oxygen

TSS = Total suspended solids

BOD = Biological oxygen demand (5-day test)

COD = Chemical oxygen demand TOC = Total organic carbon

TKN = Total nitrogen by Kjeldahl method

 $NH_3-N = Nitrogen (ammonia)$

 $NO_3-N = Total nitrates$

Table 5-14
Summary of Measured Air Concentrations for POTW in Small Town in Southwest U.S.

		No.	Average		Range
Compound	Location	Obs.	(ppm)	%CV	(ppm)
Methane	Upwind	52	2.14	4.20	2.09 - 2.56
(CH ₄)	Downwind	72	2.20	3.18	2.06 - 2.46
Ethylene	Upwind	52	0	0	0
(C₂H₄)	Downwind	72	0	0	0
Ammonia	Upwind	52	0	0	0
(NH ₃)	Downwind	72	0.2 ppb	849	0 - 15.4 ppb
Carbon Dioxide	Upwind	52	351	4.82	329 - 385
(CO ₂)	Downwind	72	342	7.40	291 - 384
Carbon Monoxide	Upwind	52	123 ppb	3.58	117 - 134 ppb
(CO)	Downwind	72	131 ppb	3.12	127 - 143 ppb
Hydrogen Sulfide	Upwind	52	0	0	0
(H ₂ S)	Downwind	72	0	0	. 0
Nitrous Oxide	Upwind	52	466 ppb	0.55	460 - 469 ppb
(N₂O)	Downwind	J 2	478 ppb	1.72	470 - 497 ppb
Sulfur Hexafluoride	Upwind	52	0.03 ppb	289	0 - 0.4 ppb
(SF ₆)	Downwind	72	11.5 ppb	66.7	0 - 41.1 ppb
Water Vapor	Upwind	52	25,000	5.36	23,000 - 27,800
(H₂O)	Downwind	72	7,590	6.81	6,500 - 8,220
Total Hydrocarbons	Upwind	52	0	0	0
(as Hexane)	Downwind	72	0	0	0.
Carbon	Upwind	52	0	0	0
Tetrachloride (CCl ₄)	Downwind	72	0	0	0

Table 5-14 (Continued)

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
Chloroform	Upwind	52	0.2 ppb	376	0 -5.0 ppb
(CHCl₃)	Downwind	72	0	0	0
Dichloro-	Upwind	52	8.9	2.82	8.2 - 9.4
difluoromethane (CCl ₂ F ₂)	Downwind	72	5.8 ppb	51.6	0 - 11.8 ppb
Methylene Chloride	Upwind	52	0.9 ppb	379	0 - 19.4 ppb
(CH ₂ Cl ₂)	Downwind	72	0	0	. 0
Trichloro- fluoromethane (CCl ₃ F)	Upwind	52	0.8	60.8	0 - 1.4
	Downwind	72	4.4 ppb	31.2	0.9 - 5.7 ppb

Table 5-15
Summary of Measured Emission Rates for POTW in Small Town in Southwest U.S.

Compound	No. Valid Obs.	Average Emission Rate ^a (g/sec)	%CV	Range (g/sec)
Methane	72	-3.49	575	-101 - 59.3
Ethylene	72	0	0	0
Ammonia	72	0.0004	849	0 - 0.031
Carbon Dioxide	72	-17,500	290	-216,000 - 3,150
Carbon Monoxide	72	-2.26	305	-27.6 - 1.09
Hydrogen Sulfide	72	0	0	0
Nitrous Oxide	72	-5.41	306	-66.7 - 1.57
Sulfur Hexafluoride	72	N/A	N/A	N/A
Water Vapor	72	315,000	299	-123,000 - 3.46x10 ⁶
Total Hydrocarbons (as Hexane)	72	0	0 .	0
Carbon Tetrachloride	72	0	0	0
Chloroform	72	0.376	294	-0.167 - 3.49
Dichloro- difluoromethane	72	0.007	46,500	-9.57 - 19.4
Methylene Chloride	72	1.20	294	-0.534 - 11.2
Trichloro- fluoromethane	72	-5.54	306	-70.9 - 3.98

^{*} Negative emission rates occur when the upwind concentration exceeds the downwind concentration.

N/A = Not applicable.

Table 5-16
Summary of Meteorological Data for Valid Sampling Periods for POTW in Small Town in Southwest U.S.

		Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(Deg)	(deg)	(mph)	Theta
10/6/95	09:20:00	313.4	-29.6	5.9	13.5
10/5/95	15:50:00	315.4	-27.6	10.4	24.1
10/5/95	17:20:00	318.2	24.8	9.8	.11.5
10/6/95	09:30:00	320.9	-22.1	7.2	9.4
10/6/95	09:25:00	323.3	-19.7	5.7	8.7
10/5/95	16:50:00	323.3	-19.7	8.4	10.3
10/5/95	16:25:00	324	-19	11.7	33.4
10/6/95	10:00:00	326.9	-16.1	10.8	5.4
10/5/95	17:10:00	328.9	-14.1	6.9	13
10/5/95	15:55:00	328.9	-14.1	11.3	20.2
10/5/95	16:15:00	329.4	-13.6	7.6	17.8
10/6/95	09:45:00	329.9	-13.1	12.4	10.2
10/6/95	09:40:00	331.4	-11.6	11.4	23.4
10/6/95	09:50:00	332.3	-10.7	11.3	16.1
10/5/95	16:45:00	335.3	-7.7	10.4	18.6
10/6/95	10:05:00	335.3	-7.7	11.2	9.9
10/5/95	16:00:00	335.9	-7.1	9.9	25
10/5/95	18:00:00	336.4	-6.6	8.6	21.4
10/5/95	17:50:00	337.3	-5.7	6.9	10.1
10/5/95	15:35:00	337.3	-5.7	9.9	34.7
10/5/95	17:15:00	337.3	-5.7	10	15.8
10/5/95	17:05:00	338.4	-4.6	8.8	18.3
10/5/95	17:45:00	338.4	-4.6	9.4	20.2
10/6/95	09:35:00	338.9	-4.1	8.4	19.2
10/6/95	10:25:00	339.8	-3.2	10.7	21.2
10/5/95	17:25:00	340.4	-2.6	9.6	25.1
10/6/95	10:10:00	340.4	-2.6	10.6	28.5
10/6/95	10:15:00	343.3	0.3	10.8	26.2
10/5/95	16:30:00	344.3	1.3	7.6	29.4

Table 5-16 (Continued)

		Wind Direction (WD)	Deviation from Ideal WD	Wind Speed	Sigma
Date	Time	(Deg)	(deg)	(mph)	Theta
10/5/95	16:55:00	344.3	1.3	8.5	22.1
10/5/95	16:40:00	344.3	1.3	9.4	28.1
10/5/95	17:00:00	344.9	1.9	10.3	25.2
10/6/95	10:35:00	346.3	3.3	10.3	26.2
10/5/95	17:55:00	346.3	3.3	11	21.1
10/6/95	09:55:00	347.4	4.4	10.4	30
10/5/95	16:10:00	347.9	4.9	10.4	31.6
10/6/95	10:20:00	347.9	4.9	10.4	16.9
10/5/95	18:30:00	350.8	7.8	8	18.6
10/5/95	16:05:00	350.8	7.8	10.8	28.5
10/6/95	10:30:00	351.4	8.4	9.5	25.2
10/5/95	16:35:00	352.1	9.1	9.5	20
10/5/95	18:35:00	355.3	12.3	7.4	14.5
10/5/95	18:20:00	355.3	12.3	8.1	20
10/6/95	11:35:00	356.4	13.4	11.4	28.2
10/6/95	11:05:00	356.9	13.9	9.3	25.9
10/5/95	15:45:00	356.9	13.9	11	34.3
10/5/95	17:30:00	357.3	14.3	7.5	25.5
10/5/95	18:25:00	357.3	14.3	10.5	32.8
10/5/95	19:30:00	357.8	14.8	4.3	1.5
10/5/95	15:40:00	358	15	10	31.5
10/5/95	18:05:00	359.3	16.3	8.2	21.4
10/5/95	19:25:00	359.8	16.8	4.8	9.9
10/6/95	11:30:00	0.9	17.9	9.1	24
10/6/95	11:55:00	2	19	7.6	15.9
10/6/95	11:00:00	2.9	19.9	12.2	12.3
10/5/95	19:00:00	4	21	7.8	19.5
10/5/95	18:10:00	4.9	21.9	6.5	17.4
10/5/95	18:40:00	4.9	21.9	6.6	24.9
10/6/95	11:10:00	4.9	21.9	11.7	27
10/5/95	19:15:00	6	23	4.4	5.5
10/5/95	18:50:00	6.9	23.9	6.7	11.4

Table 5-16 (Continued)

Date	Time	Wind Direction (WD) (Deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
10/5/95	18:55:00	6.9	23.9	7.5	27.7
10/5/95	18:15:00	6.9	23.9	8.1	21.2
10/5/95	19:20:00	7.9	24.9	5.5	16.8
10/5/95	19:05:00	8.8	25.8	6.6	25.2
10/5/95	19:10:00	11	28	5.6	12.6
10/6/95	11:45:00	11	28	9.4	22.4
10/5/95	18:45:00	11.9	28.9	7.2	15.7
10/6/95	11:40:00	11.9	28.9	10.8	21.1
10/5/95	16:20:00	13	30	7.3	29.9
10/5/95	17:40:00	13	30	8.6	24.1
10/6/95	11:20:00	13	30	11.5	22.1

Table 5-17
Results of Wastewater Analyses for Small Town POTW -Southwestern U.S.

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	7	7.2	0.3	6.9 - 7.5
pН	Effluent	5	8.1	0.3	7.6 - 8.4
DO	Influent	7	0.6	0.3	0.2 - 1.1
(mg/L)	Effluent	5	5.8	3.3	3.4 - 11.5
Temp.	Influent	7	24.5	1.5	22.3 - 26.9
(°C)	Effluent	5	21.6	2.9	18.4 - 26.2
TSS	Influent	7	183	86.4	60 - 325
(mg/L)	Effluent	5	80	14.1	65 - 95
BOD	Influent	7	163	65.9	68 - 235
(mg/L)	Effluent	5 .	97.4	30.7	65 - 135
COD	Influent	7	149	68.0	32 - 245
(mg/L)	Effluent	5	114	27.7	75 - 140
TOC -	Influent	7	53	12.1	37 - 69
(mg/L)	Effluent	5	25.8	5.4	18 - 33
TKN	Influent	7	31.7	5.3	23.8 - 39.4
(mg/L)	Effluent	5	18.0	1.0	16.8 - 19.0
NH ₃ -N	Influent	7	19.6	3.6	13.8 - 25.7
(mg/L)	Effluent	5	1.4	0.9	0.5 - 2.6
NO ₃ -N	Influent	7	0.0307	0.0193	0.015 - 0.072
(mg/L)	Effluent	5	0.177	0.229	0.069 - 0.587

Table 5-18
Summary of Measured Air Concentrations for POTW in Very Small Town in Southwest U.S.

		No.	Average		Range
Compound	Location	Obs.	(ppm)	%CV	(ppm)
Methane	Upwind	62	2.16	11.2	1.92 - 2.83
(CH ₄)	Downwind	154	2.11	15.9	1.61 - 2.81
Ethylene	Upwind	62	0	0	0
(C ₂ H ₄)	Downwind	154	18.6 ppb	199	0 - 220 ppb
Ammonia	Upwind	62	25.5 ppb	120	0 - 120 ppb
(NH ₃)	Downwind	154	93.3 ppb	41.9	16.7 - 214 ppb
Carbon Dioxide	Upwind	62	668	9.03	549 - 803
(CO ³)	Downwind	154	528	7.04	482 - 691
Carbon Monoxide	Upwind	62	175 ppb	22.0	124 - 337 ppb
(CO)	Downwind	154	143 ppb	11.4	113 - 190 ppb
Hydrogen Sulfide	Upwind	62	0	0	0
(H ₂ S)	Downwind	154	0.126	549	0 - 4.30
Nitrous Oxide	Upwind	62	515 ppb	1.45	500 - 533 ppb
(N₂O)	Downwind	154	504 ppb	1.31	493 - 518 ppb
Sulfur Hexafluoride	Upwind	62	0.6 ppb	73.8	0 - 3.5 ppb
(SF ₆)	Downwind	154	85.4 ppb	75.8	0.5 - 282 ppb
Water Vapor	Upwind	62	25,000	5.36	23,000 - 27,800
(H ₂ O)	Downwind	154	27,200	5.16	23,300 - 29,500
Total Hydrocarbons	Upwind	62	0	0	0
(as Hexane)	Downwind	154	0	0	0
Carbon	Upwind	62	11.9 ppb	45.1	0 - 20.7 ppb
Tetrachloride (CCl ₄)	Downwind	154	8.62 ppb	77.3	0 - 18.8 ppb

Table 5-18 (Continued)

Compound	Location	No. Obs.	Average (ppm)	%CV	Range (ppm)
Chloroform	Upwind	62	16.2 ppb	41.4	3.3 -25.9 ppb
(CHCl ₃)	Downwind	154	10.8 ppb	76.1	0 - 22.5 ppb
Dichloro-	Upwind	62	0	0	0
difluoromethane (CCl ₂ F ₂)	Downwind	154	1.2 ppb	127	0 - 4.7 ppb
Methylene Chloride	Upwind	62	66.0 ppb	36.7	22.2 - 102 ppb
(CH ₂ Cl ₂)	Downwind	154	57.8 ppb	58.5	0 - 106 ppb
Trichloro- fluoromethane (CCl ₃ F)	Upwind	62	0	0	0
	Downwind	154	0.3 ppb	239	0 - 3.2 ppb

Table 5-19
Summary of Measured Emission Rates for POTW in Very Small Town in Southwest U.S.

	No. Valid	Average Emission Rate		Range
Compound	Obs.	(g/sec)	%CV	(g/sec)
Methane	154	-72.8	705	-4,790 - 158
Ethylene	154	0.016	199	0 - 0.167
Ammonia	154	-13.4	663	-779 - 3.21
Carbon Dioxide	154	6,700	1410	-498,000 - 975,000
Carbon Monoxide	154	7.78	624	-1.45 - 448
Hydrogen Sulfide	154	4.49	1030	0 - 566
Nitrous Oxide	154	-0.248	2740	-38.4 - 56.5
Sulfur Hexafluoride	154	N/A	N/A	N/A
Water Vapor	154	264,000	519	67.0 - 1.12x10 ⁸
Total Hydrocarbons (as Hexane)	154	0	0	0
Carbon Tetrachloride	154	-2.84	635	-174 - 9.28
Chloroform	154	-3.52	605	-210 - 7.06
Dichloro- difluoromethane	154	0.0284	632	0 - 2.21
Methylene Chloride	154	-9.74	598	-528 - 27.2
Trichloro- fluoromethane	154	0.0163	846	0 - 1.69

[•] Negative emission rates occur when the upwind concentration exceeds the downwind concentration.

N/A = Not applicable.

Table 5-20
Summary of Meteorological Data for Valid Sampling Periods for POTW in Very Small Town in Southwest U.S.

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/2/95	21:16:34	150.1	-29.9	3.9	9.6
8/3/95	04:11:46	150.1	-29.9	2.5	8.2
8/3/95	00:16:36	150.8	-29.2	1.5	8
8/2/95	21:36:33	151	-29	4.8	6.5
8/3/95	04:06:45	151	-29	2.4	8.8
8/3/95	12:56:34	151	-29	6.5	20.7
8/2/95	16:00:43	151.9	-28.1	11.3	13.9
8/2/95	21:11:34	151.9	-28.1	4.2	7.1
8/1/95	19:59:46	152.8	-27.2	1.1	68.7
8/2/95	15:55:43	152.8	-27.2	11.9	19.6
8/2/95	16:05:44	153.2	-26.8	11.5	11.8
-8/2/95	22:26:34	- 153:2	-26.8	3.3	- 5.7
8/3/95	12:36:34	153.9	-26.1	7.7	12
8/2/95	14:45:42	154.1	-25.9	13.8	10.7
8/3/95	01:46:39	154.1	25.9	1.1	17.3
8/3/95	02:21:40	154.1	-25.9	1.1	13.9
8/3/95	07:51:53	154.1	-25.9	4.6	13.5
8/3/95	14:51:37	154.1	-25.9	5.4	23.3
8/2/95	15:45:44	154.8	-25.2	10.3	13.4
8/2/95	15:00:42	155.2	-24.8	11.9	10.1
8/2/95	22:21:35	155.2	-24.8	. 3.2	5.5
8/3/95	00:21:35	155.2	-24.8	2.7	8.5
8/3/95	04:01:45	155.9	-24.1	2.4	9

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/3/95	07:41:52	155.9	-24.1	3.6	8.1
8/2/95	14:40:42	156.1	-23.9	13.5	10.9
8/2/95	22:01:35	156.1	-23.9	3.7	9.2
8/3/95	03:31:45	156.1	-23.9	1.6	13.7
8/4/95	02:09:24	156.1	-23.9	3.2	8.7
8/2/95	12:49:41	157	-23	11.9	11
8/2/95	16:10:44	157.1	-22.9	12.3	16.1
8/3/95	12:41:35	157.1	-22.9	4.4	30.3
8/2/95	12:59:41	157.9	-22.1	11	10.1
8/4/95	02:19:25	158	-22	3	5.8
8/3/95	15:26:36	159.1	-20.9	6.6	9.4
8/2/95	13:30:15	159.8	-20.2	15.2	7.4
8/2/95	15:50:46	160.2	-19.8	11.1	13.9
8/2/95	12:54:41	161.8	-18.2	10.7	10.9
8/2/95	14:50:44	162.2	-17.8	13.7	9.9
8/4/95	02:14:24	162.2	-17.8	3.3	6
8/2/95	15:25:43	163.1	-16.9	11.9	9.7
8/2/95	22:16:35	163.1	-16.9	2.9	9.4
8/3/95	00:41:36	163.1	-16.9	1.1	12.1
8/2/95	11:39:39	163.8	-16.2	10.1	10.7
8/2/95	14:35:41	164.2	-15.8	11.6	14.3
8/3/95	07:56:53	164.2	-15.8	3	22.1
8/4/95	02:24:24	164.2	-15.8	3	6.5
8/3/95	02:26:40	165.1	-14.9	1.1	13.4

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/3/95	02:31:41	165.1	-14.9	1.1	11.4
8/3/95	12:51:34	166	-14	6.2	43.5
8/2/95	11:59:39	167	-13	13.4	9.7
8/2/95	12:44:40	167	-13	9.9	10.7
8/2/95	13:55:16	167	-13	9.9	13.9
8/2/95	14:20:16	167	-13	11.2	11.7
8/2/95	14:55:42	167	-13	12.2	12.1
8/3/95	00:31:36	167	-13	2.6	8.7
8/3/95	00:36:36	167	-13	1.5	9.8
8/2/95	22:11:34	167.9	-12.1	2.5	7.2
8/3/95	00:26:35	167.9	-12.1	2.8	8.2
8/3/95	05:41:50	167.9	-12.1	1.1	7.1
8/3/95	11:51:33	168.1	-11.9	8.5	24.1
8/3/95	11:56:34	168.1	-11.9	6.2	20
8/2/95	13:45:15	169.2	-10.8	10.9	16.2
8/2/95	15:40:43	169.2	-10.8	12.7	8
8/2/95	15:30:43	169.9	-10.1	11.5	10.3
8/2/95	22:06:34	170.1	-9.9	2.6	9.9
8/3/95	13:16:34	170.1	-9.9	7.7	35.6
8/2/95	11:44:40	170.8	-9.2	12.2	12.4
8/2/95	15:05:43	170.8	-9.2	10.2	13.1
8/3/95	05:21:49	170.8	-9.2	1.1	6.1
8/2/95	14:00:16	171.2	-8.8	11.8	11.9
8/3/95	13:11:34	171.2	-8.8	6.2	41.4

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/3/95	03:56:46	171.9	-8.1	3.1	11.2
8/2/95	12:04:39	172.1	-7.9	12.2	13.6
8/2/95	15:15:42	172.1	-7.9	11.4	12.4
8/2/95	13:50:15	172.8	-7.2	10.2	14
8/2/95	13:20:16	173.2	-6.8	12	11
8/3/95	04:46:48	175.1	-4.9	1.6	16.2
8/3/95	13:06:35	175.1	-4.9	7.1	15.1
8/3/95	13:36:35	175.1	-4.9	8.3	21.8
8/3/95	13:46:35	175.1	-4.9	5.1	29.4
8/2/95	13:40:16	176	-4	11.8	16.1
8/2/95	15:10:43	176	-4	10.8	11.7
8/2/95	10:54:38	176.2	-3.8	11.3	9.7
8/2/95	13:25:16	176.2	-3.8	11.7	13
8/2/95	15:20:42	176.2	-3.8	10.2	14.8
8/2/95	12:29:39	176.9	-3.1	10.5	11.3
8/4/95	02:29:24	176.9	-3.1	3.5	7.2
8/2/95	15:35:43	177.1	-2.9	11.1	11.4
8/2/95	10:59:39	178.9	-1.1	11	8.5
8/2/95	11:29:38	178.9	-1.1	12.5	11
8/2/95	12:14:40	178.9	-1.1	10.5	12.3
8/2/95	11:14:38	179.1	-0.9	13.7	11.5
8/2/95	12:09:39	179.1	-0.9	11.5	13.2
8/3/95	03:41:45	179.1	-0.9	3.4	7.9
8/3/95	03:51:46	179.1	-0.9	2.4	11.2

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/3/95	12:46:35	179.1	-0.9	8	19
8/2/95	13:35:15	179.8	-0.2	12.6	8.6
8/3/95	14:16:37	179.8	-0.2	7	14.5
8/2/95	11:24:39	180.2	0.2	11.2	10.8
8/3/95	05:01:49	180.9	0.9	1.2	9.4
8/3/95	09:36:52	180.9	0.9	7.6	19.2
8/3/95	09:41:52	180.9	0.9	7.4	15.8
8/2/95	11:34:38	182.9	2.9	10.3	8.7
8/2/95	14:05:18	184	4	11.1	11
8/2/95	14:15:15	184	4	. 9.9	10.6
8/2/95	12:39:40	185.2	5.2	9.8	12.3
8/2/95	12:24:39	186.1	6.1	9.9	16.2
- 8/2/95 -	11:19:39	186.8	- 6.8	12.7	9.3
8/2/95	12:34:40	186.8	6.8	10.5	11.9
8/2/95	14:10:19	186.8	6.8	11.2	10.7
8/2/95	13:04:42	187.2	7.2	10.9	12.8
8/2/95	11:04:39	187.9	7.9	11.6	11.5
8/2/95	12:19:40	188.1	8.1	10.2	12.9
8/3/95	03:36:45	188.1	8.1	2.8	8.5
8/4/95	02:34:25	188.1	8.1	3.4	6.1
8/3/95	11:41:33	188.8	8.8	6.5	17.3
8/3/95	13:01:35	188.8	8.8	7.2	22.3
8/3/95	04:41:48	189.9	9.9	1.3	10.8
8/3/95	14:01:35	189.9	9.9	6	17.5

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/2/95	13:09:41	190.1	10.1	11.1	10.8
8/3/95	02:06:41	190.1	10.1	1.1	51.4
8/3/95	12:21:34	190.8	10.8	3.9	49.2
8/3/95	05:16:49	191.2	11.2	1.1	9.3
8/3/95	08:36:53	191.2	11.2	4.6	27.7
8/3/95	08:46:52	192.2	12.2	5.7	18.8
8/3/95	13:26:34	192.2	12.2	4.4	27
8/3/95	04:31:47	193.9	13.9	1.3	38.3
8/3/95	08:31:52	195.1	15.1	2.9	43
8/3/95	03:46:45	195.8	15.8	3.3	7.6
8/2/95	11:09:38	196.2	16.2	11.3	13.6
8/3/95	11:16:32	196.2	16.2	6.5	22.3
8/3/95	13:31:34	196.2	16.2	6.6	37.1
8/3/95	04:51:48	197.1	17.1	1.7	10.7
8/3/95	09:26:51	197.1	17.1	8.2	18.5
8/3/95	08:56:52	198.2	18.2	5.8	23.8
8/3/95	09:21:55	198.2	18.2	6.7	18.9
8/3/95	13:51:36	198.2	18.2	5.1	21.6
8/4/95	02:44:24	198.9	18.9	2.8	9.8
8/3/95	04:56:49	199.8	19.8	1.2	19.1
8/3/95	09:31:52	199.8	19.8	6.8	14.1
8/4/95	03:44:24	202	22	2.7	10.6
8/3/95	12:31:34	203.2	23.2	5.2	42.9
8/3/95	05:06:48	203.9	23.9	1.2	11

Table 5-20 (Continued)

Date	Time	Wind Direction (WD) (deg)	Deviation from Ideal WD (deg)	Wind Speed (mph)	Sigma Theta
8/3/95	08:41:51	204.1	24.1	5.3	14.1
8/3/95	12:11:34	204.1	24.1	6.7	27.3
8/3/95	13:21:35	204.1	24.1	6.6	17.4
8/3/95	11:31:33	205.2	25.2	6.6	15.9
8/3/95	09:16:52	205.9	25.9	7.7	13.4
8/3/95	08:51:53	206.1	26.1	6.7	18.3
8/4/95	04:44:24	206.1	26.1	1.1	43
8/3/95	09:01:52	207.9	27.9	6.6	15.7
8/3/95	09:11:52	208.1	28.1	7.9	13.2
8/3/95	02:16:41	209.2	29.2	1.1	11.9
8/3/95	14:26:36	209.9	29.9	7	14.2

Table 5-21
Results of Wastewater Analyses for
Very Small Town POTW - Southwest U.S.

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
	Influent	5	8.4	0.5	7.5 - 8.8
pН	Effluent	6	9.2	0.3	8.9 - 9.7
	Final Effluent	3	9.6	0.2	9.4 - 9.8
	Influent	5	0.1	0.1	0.0 - 0.3
DO (mg/L)	Effluent	6	4.5	2.8	1.9 - 9.5
,	Final Effluent	3	9.6	4.4	5.3 - 14.0
	Influent	5	30.7	4.0	26.4 - 36.6
Temp.	Effluent	6	29.8	4.4	25.5 - 38.2
	Final Effluent	3	28.0	1.3	26.5 - 29.0
	Influent	5·	135	82.9	75 - 270
TSS (mg/L)	Effluent	6	52	10	40 - 65
	Final Effluent	3	43	5.8	40 - 50
	Influent	5	147	55.6	74 - 200
BOD (mg/L)	Effluent	6	42.3	9.33	26 - 51
	Final Effluent	3	18	1.1	17 - 19
	Influent	5	211	54.1	140 - 290
COD (mg/L)	Effluent	6	135	19.8	120 - 170
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Final Effluent	3	118	32.2	95 - 155
	Influent	5	31	13	21 - 51
TOC (mg/L)	Effluent	6	18	0.75	17 - 19
	Final Effluent	3	19	2.1	17 - 21
	Influent	5	27.9	2.5	25.55 - 31.85
TKN	Effluent	6	6.48	2.79	3.85 - 10.85
(mg/L)	Final Effluent	3	4.55	1.60	2.80 - 5.95

Table 5-21 (Continued)

Parameter (units)	Sampling Location	No. of Observ.	Average	Standard Deviation	Range
NH ₃ -N	Influent	5	22.7	2.92	19.1 - 26.6
(mg/L)	Effluent	6	2.1	0.53	1.4 - 2.8
	Final Effluent	3	0.42	0.17	0.23 - 0.56
	Influent	5	0.0356	0.0103	0.023 - 0.047
NO ₃ -N (mg/L)	Effluent	6	0.144	0.037	0.095 - 0.197
(9 = /	Final Effluent	3	0.028	0.007	0.022 - 0.035

Note: Air measurements were made downwind of ponds #1 and #2. Final effluent is discharge from pond #3.

Key: DO = Dissolved oxygen

TSS = Total suspended solids

BOD = Biological oxygen demand (5-day test)

COD = Chemical oxygen demand

TOC = Total organic carbon

TKN = Total nitrogen by Kjeldahl method

 $NH_3-N = Nitrogen (ammonia)$

 O_3 -N = Total nitrates

SECTION 6

DISCUSSION OF RESULTS

This section contains further reduction and discussion of the data presented in Sections 5 and 7, and in the appendices.

6.1 Discussion of Results by Site

The FTIR spectra were reduced and concentrations determined for 15 target analytes: CH₄, two tracer gases (SF₆ and C₂H₄), six inorganic compounds (NH₃, CO₂, CO, H₂S, N₂O, and H₂O), TNMHC, and five halogen-containing compounds (CCl₄, CHCl₃, CCl₂F₂, CH₂Cl₂, and CCl₃F). The air measurement data were reviewed to identify those compounds found at each site in significantly greater concentrations in the downwind air compared with the upwind air. Any such compounds were initially assumed to have been emitted from the lagoons being tested.

The compounds possibly being emitted from each site are identified in Table 6-1. For some of these compounds, the measurement uncertainty was rather large and the data, therefore, are suspect. The validity of the data for each site are discussed in the following subsections. Many of the target analytes were found at the same concentration levels upwind and downwind of the lagoons; i.e., they had no quantifiable emission rate. Only CH₄, NH₃, and the SF₆ tracer gas generally were present in greater amounts in the downwind air.

The minimum quantifiable emission rate varied from site to site, depending on the variability in the measured concentrations, and from one 5-minute period to another, depending on the measured concentration of

SF₆. The detection limit for a given compound, in terms of g/sec, is dependent on the smallest difference between downwind and upwind concentrations that could be identified apart from the measurement variability within each of the upwind and downwind data sets. While it was being released, the tracer gas typically was detected downwind at a concentration level of roughly 50 ppbv or 300 µg/m³. The following typical detection limits were calculated based on the standard deviation of the upwind measurements and the typical downwind concentration of SF₆:

Compound	Detection Limit (g/sec)
CH4	0.15
CO ₂	150
NH3	0.05
N₂O	0.03

The high detection limit for CO_2 was due to the high background concentrations (e.g., 500 ppmv) and the measurement variability (e.g., %CV = 7.5%).

For a given compound, for each increment of 0.5 ppmv (500 ppbv) that the downwind concentration exceeded the average upwind concentration, its emission rate was about 1 g/sec (depending on the molecular weight of the compound).

Table 6-1
Compounds Possibly being Emitted from Each Site

Site	Compound	Average Downwind Conc. (ppm)	Average Upwind Conc. (ppm)	Maximum Downwind Conc. (ppm)	Average Emission Rate (g/sec)
Southwest Beef	Methane	61.9	2.3	142	280
Processing Plant	Ammonia	355 ppb	0	609 ppb	2.17
	TNMHC ¹	100 ppb	0	565 ppb	1.44
Midwest Beef Processing	Methane	58.1	2.83	200	226
Plant	Ammonia	1.04	0.277	2.06	3.50
	TNMHC ⁴	244 ppb	0	817 ppb -	7.50
	Methane	9,80	1.92	29.9	179
Southeast Chicken Processing Plant	Carbon Dioxide	510	434	587	12,400
1100033mg 11am	Ammonia*	2.6 ppb	2.8 ppb	44.1 ppb	0.0659
	Hydrogen	9.69	0	15.6	833
,	Carbon	298 ppb	206 ppb	419 ppb	5.63
	Nitrous Oxide	563 ppb	542 ppb	586 ppb	2.64
	Chloroform	9.6 ppb	0.5 ppb	28.3 ppb	5.28
	Methylene	25.7 ppb	0	90.4 ppb	9.96
POTW for Small Town in	Methane ^b	2.20	2.14	2.46	<0.15
Southwest U.S.	Carbon Dioxideb	342	351	384	<150
	Ammonia ^b	0.2 ppb	0	15.4 ppb	<0.05
POTW for Very Small	Methaneb	2.11	2.16	2.81	<0.15
Town in Southwest U.S.	Carbon Dioxideb	528	668	691	<150
	Ammonia ^b	93.3 ppb	25.5 ppb	214 ppb	<0.05
	Ethylene*	18.6 ppb	0	220 ppb	0.016
	Hydrogen	0.126	0	4.3	4.5

a The measured concentrations for these compounds generally were less than 3 times the 95% confidence interval. Therefore, these data are highly suspect.

b Methane, carbon dioxide, and ammonia values are shown for the POTWs for comparison purposes. No quantifiable emissions of these compounds were detected at either POTW.

The results of the wastewater analyses performed by Radian were compared with the results reported by the plants. These data are shown in Table 6-2.

Three sets of wastewater data were considered:

- 1. Data generated by Radian;
- Data generated by the plant from samples collected during the same week that Radian collected samples; and
- 3. Average long-term data generated by the plant.

The original intent was to compare data sets #1 and #2 to identify any bias between the two data sets. The average long-term plant values would be corrected for this bias and evaluated for correlations with the air emissions data. The individual plants, however, do not routinely generate all of the data needed for this exercise, so the Radian data set was used in the evaluations. This data set is preferable because data are available for all the parameters of interest, data are available for the influent as well as the effluent streams, and the effluent data correspond to the portions of the WWT system generating the air emissions that were measured.

There are two potential concerns related to the use of the analytical results generated by Radian. One, these wastewater data do not address long-term variability. A review of long-term data provided by the plants (see Appendix G), however, indicates there is no discernable seasonal variation in system performance. Two, the WWT systems have retention times of one week to three months (see Table 3-1), so effluent samples collected concurrently with influent samples may not accurately represent system removal. This is true, however, only if the influent loadings or the system performance vary over time periods of several weeks. The long-term data provided by the plants indicate that all five WWT systems have reasonably constant influent loadings and BOD removal. The samples were not collected at the exact same time as the plant samples, so there may be some variability between the two data sets due to short-term temporal variability.

In general, the Radian data agree well with the data provided by the individual plants. For the three meat processing plants, however, the Radian data for the effluent BOD are higher than the plant data. This may be due to differences in where in the WWT system that the samples were collected or differences in the bacteria used by the laboratories to seed the samples during analysis. Also, the BOD test in general tends to be more analyst-dependent than most other analytical tests.

Activity factors were developed for each site based on information provided by the plant operators and from the wastewater data. These activity factors are given in Table 6-3. At most of the sites, the OPM-TM monitoring captured emissions from the first two or three lagoons in series, but not for the final polishing or retention lagoons. Effluent samples were collected from the last lagoon addressed by the OPM-TM monitoring. Removal rates were calculated for the lagoons whose emissions were measured during the air monitoring and not for the entire WWT system. For the two POTWs, the effluent sampling location was one or two lagoons upstream from where the

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Table 6-2
Comparison of Wastewater Data By Site

			Influent (mg/L)			Effluent (mg/L)			
Site	Parameter	Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value	Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value		
Beef Processing Plant in Southwest	BOD	4,000 3,420	 	 2,040	314	161	179		
(For the influent	COD	6,960 4,360		90 64	683				
values, the top value is for combined influent and the bottom value is	тос	641 321	 ,	••	22	••			
for influent from slaughterhouse only)	TKN	383 159	 64	<u>. </u>	380	255	242		
	Ammonia	142 39.6	16	 34	196	202	186		
	Nitrates	0.848 0.055	• · •		0.097				
	BOD	2,410	2,970	2,080	292	44	57		
Beef Processing Plant in Midwest	COD	4,300			1,150	••			
Ţ	TOC	312	••	••	. 59		••		
Ī	TKN	164	198	215	245	209	222		
-	Ammonia	47	**		214	195	210		
[Nitrates	0.0766			0.0453				

Table 6-2 (Continued)

			Influent (mg/L)			EMuent (mg/L)		
Site	Parameter	Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value	Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value	
	BOD	1,400	••		73.3	2.70	1.64	
Chicken Processing Plant in Southeast	COD	2,430	••	••	200			
	тос	223	••		87.0			
	TKN	117			76.7	0.97	1.17	
	Ammonia	7.3			81.7			
	Nitrates	1.76	, -		0.0300			
207111 0 117	BOD	163		••	97.4			
POTW for Small Town in Southwest		·			36 (final eff.)		<u></u>	
	COD	149		••	114			
	тос	53	••	••	25.8			
	TKN	31.7	••		18.0		••	
	Ammonia	19.6	••	••	1.4			
					0.20 (final eff.)			
	Nitrates	0.0307			0.177			

Table 6-2 (Continued)

	Parameter	Influent (mg/L)			Effluent (mg/L)		
Site		Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value	Average Radian Value	Plant Value for Same Week	Average Long-Term Plant Value
POTW for Very Small Town in Southwest	BOD	147			42.3 18 (final eff.)	 18 (final eff.)	 52.7 (final eff.)
	COD	211	**		135		
	TOC	31		••	18		
	TKN	27.9		••	6.48		
	Ammonia	22.7			2.1 0.42 (final eff.)	<0.10 (final eff.)	1.03 (final eff.)
	Nitrates	0.0356	**		0.144		

Table 6-3
Activity Factor Data By Site

Parameter	Units	Southwest Beef Processing Plant	Midwest Beef Processing Plant	Southeast Chicken Processing Plant	POTW for Small Town in the Southwest	POTW for Very Small Town in the Southwest
Plant Production Rate	# head/birds per day	5,000	5,600	125,000*	n/a	n/a
	kg meat per day	1,140,000	1,270,000	210,000*	n/a	n/a
	# people served	n/a	n/a	n/a	5,000	560
Influent Flowrate	L/day	15,000,000	10,600,000	3,400,000	1,100,000	167,000
Influent BOD	kg/day	60,000	25,500	4,760	179	24.6
BOD removal	kg/day	55,300	22,450	4,510	72.2	17.5
	Percent	92%	88%	95%	40%	71%
COD removal	kg/day	94,200	33,400	7,580	38.5	12.7
	Percent	90%	73%	92%	23%	36%
TOC removal	kg/day	9,290	2,680	462	29.9	2.17
	Percent	97%	81%	61%	51%	42%
TKN removal	kg/day	45	-859	137	15.1	3.58
	Percent	0.8%	-49%	34%	43%	77%

Table 6-3 (Continued)

Parameter	Unite	Southwest Beef Processing Plant	Midwest Beef Processing Plant	Southeast Chicken Processing Plant	POTW for Small Town in the Southwest	POTW for Very Small Town in the Southwest
Ammonia removal (kg/day)	kg/day	2,940 kg/day in effluent	2,270 kg/day in effluent	278 kg/day in effluent	20.0	3.44
	Percent	n/a	n/a	n/a	93%	91%
Nitrate removal (kg/day)	kg/day	11.3	0.332	5.9	0.19 kg/day in effluent	0.24 kg/day in effluent
	Percent	89%	41%	98%	n/a	n/a
Influent Chloroform	kg/day	0.0561	0.0107	0.00524	0	

a Assuming 25 days of operation per month

Notes: 1. The removal rates shown are for the portion of the WWT system generating the air emissions that were measured. The removal rates for the entire WWT system will be higher in most cases.

- 2. The removal rates were calculated using the results of the wastewater analyses performed by Radian. The effluent flowrate was assumed to be equal to the influent flowrate. In reality, some evaporation and other losses occur and the effluent flowrate would be somewhat lower. Thus, the removals shown are biased low.
- 3. N/A = Not applicable.

plants collect their samples, so final effluent samples also were collected from the same locations used by the plants.

The plants collect effluent samples at the discharge point from the entire WWT system, so removal rates reported by the individual sites would include any additional removal achieved in the final polishing lagoons. Also, in calculating removal rates, the effluent flowrate was assumed to be equal to the influent flowrate. Some evaporative and other losses occur, so the amount of remaining material (effluent concentration * effluent flowrate) probably is biased high and the actual removal rates would be higher than those calculated.

For the meat processing plants, BOD removals of 88-95% were calculated versus a theoretical maximum of 100%. Therefore, any bias introduced by the assumed effluent flowrates, by the omission of the polishing lagoons, or by differences in analytical results for effluent BOD levels is small.

The largest unknown factor related to the activity factors is the variability in the influent flowrate for the meat processing plants. It is not known how accurately the plants measure this parameter. The temporal variability in this parameter also is not known, but is reported by the plant operators to be small.

The data are discussed below by site.

6.1.1 Sampling at Southwest Beef Processing Plant

Methane and ammonia were found in appreciably higher concentrations downwind of the lagoons compared with the upwind

air. The downwind concentration of CH₄ averaged 61.9 ppmv and was as high as 142 ppmv. Ammonia concentrations up to 0.609 ppmv were measured.

The data trends are illustrated in several data plots. Figure 6-1 shows the measured CH₄ concentration as a function of wind direction. The CH₄ concentration decreases whenever the FTIR beam is not directly downwind of the lagoons. Based on this observation, only time periods when the wind direction was within ±15° of the ideal wind direction (i.e., 176 deg) were considered to be valid for this site.

The measured downwind CH₄ and NH₃ concentrations (for valid wind directions) as a function of time are shown in Figure 6-2. [In this and subsequent figures, the time plotted on the x-axis are the valid 5-minute measurement periods. See table 5-4 for the specific time periods shown in this plot.] All wind speeds are greater than 1.8 m/sec (4 mph). The downwind concentrations are inversely correlated with wind speed; i.e., as the wind speed increases, the measured concentrations decrease.

Figure 6-3 shows emission rates for CH₄ and NH₃ versus time. Wind speed is also shown. As expected, the emission rates show some correlation with wind speed. Assuming the emission process is diffusion limited, the increased wind enhances mass transfer by reducing the thickness of the boundary layers at the water-air interface, thereby increasing the emission rates. There also appears to be short-term temporal variability in the emission rate due to factors other than wind speed.

An average emission rate for TNMHC of 1.44 g/sec was determined, but the

Methane Concentration vs Wind Direction Southwest Beef Processing Plant

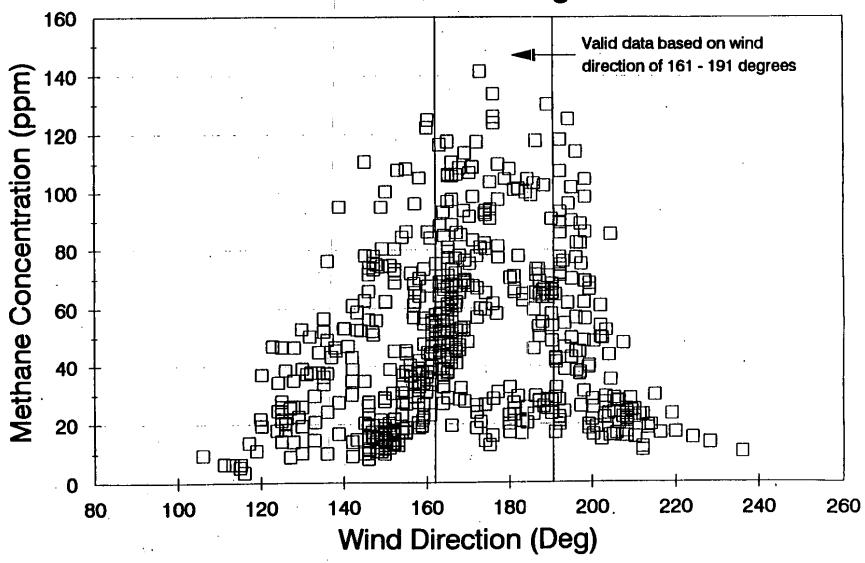


Figure 6-1. Methane Concentration vs Wind Direction Southwest Beef Processing Plant

Methane and Ammonia Concentration vs Time Southwest Beef Processing Plant

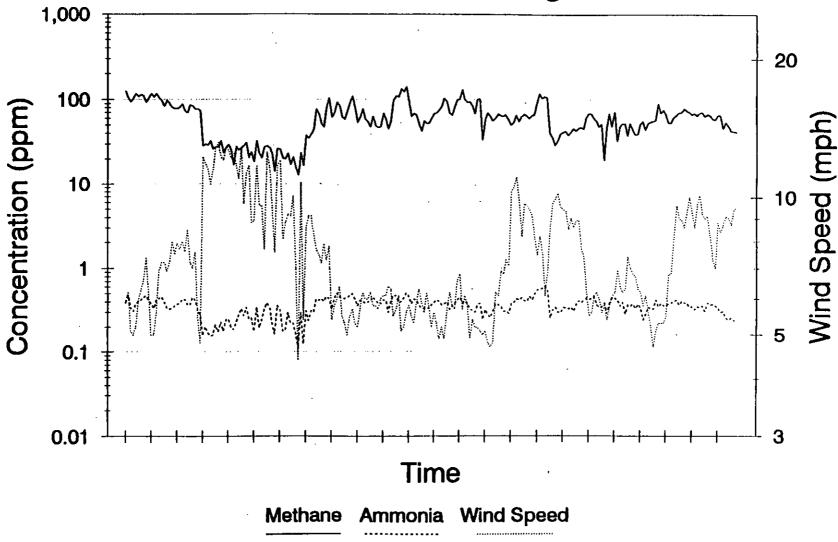


Figure 6-2. Methane and Ammonia Concentration vs Time Southwest Beef Processing Plant

Methane and Ammonia Emission Rate vs Time Southwest Beef Processing Plant

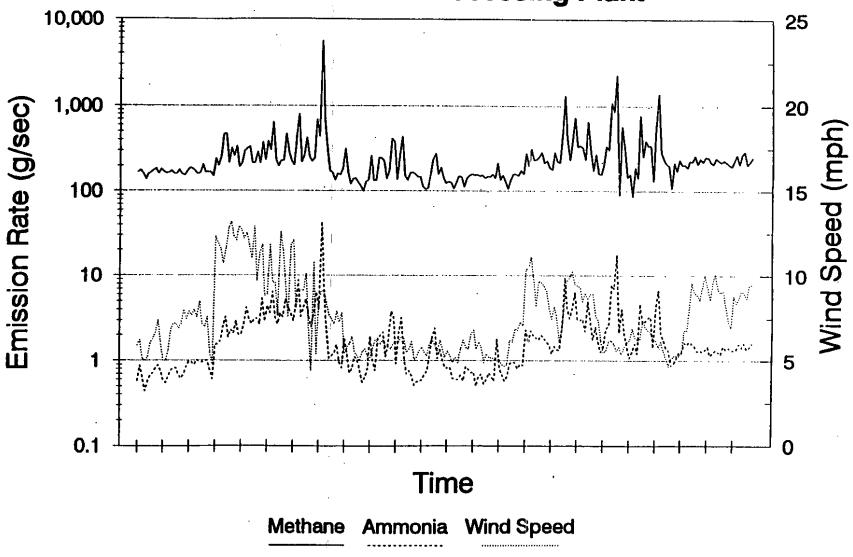


Figure 6-3. Methane and Ammonia Emission Rate vs Time Southwest Beef Processing Plant

uncertainty in the measurement data is very high as evidenced by the 95% confidence intervals for each 5-minute average value shown in Appendix B. In general, if the measured value is not at least three times the 95% confidence interval, the FTIR data are highly suspect. No other compounds were found at significantly higher levels downwind than upwind.

At this site, an additional set of monitoring was performed where three canisters were collected in a vertical array downwind of the lagoons adjacent to the center of the FTIR path. These data are given in Appendix C-1. The A044, A043, and A042 samples were collected 69 cm, 127 cm, and 196 cm above the ground surface. Surprisingly, no concentration profile was apparent and the levels of CH₄, CO₂, and TNMHC were fairly constant. This implies that the emission plume was well mixed vertically by the time it reached the samplers, which were about 50m from the edge of the nearest lagoon and 200m from the midpoint of the set of four anaerobic lagoons. When similar sampling has been performed within a few meters of the emission source, the measured concentrations have shown a strong dependence with height. 10,11

A check was made of the reasonableness of the σ_z values by comparing results obtained from Equation 4-3 to values from Turner nomographs.⁸ Three time periods were selected from when the wind direction was ideal. The three time periods covered different portions of the diurnal solar cycle and therefore covered a range of atmospheric stability classes. The three time periods were:

Date	Time	o, (Calc.)	σ, (Turner method)
8/23	0250	3.7	4.5
8/23	1240	17	7.5
8/25	0750	7.9	7.5

The two approaches to determining σ_z show good agreement considering that the Turner method yields only approximate answers.

The influent wastewater at this site is very concentrated relative to typical WWT systems in other industries. Influent BOD levels up to 11,900 mg/L were found. The influent wastewater from the slaughterhouse showed relatively little variability, while the influent wastewater from the tannery showed a great deal more variability. For example, the %CV for the influent BOD was 23% for the wastewater from the slaughterhouse and 65% for the wastewater from the tannery.

The WWT system is anaerobic. The average DO content of the influent wastewater was 1.4 ppm and the effluent, even after aeration, contained only 0.2 ppm DO. The WWT system is serving to reduce the level of contaminants in the wastewater. As shown in Table 6-3, removal rates of 90-97% for BOD, COD, and TOC were found. About 89% of the nitrates were removed in the lagoons. Ammonia was formed as a byproduct of the biodegradation at a rate of almost 3,000 kg/day. Total Kjeldahl nitrogen (TKN) levels were essentially the same in the influent and effluent wastewaters. The TKN levels, however did differ greatly between the influent streams from the slaughterhouse and the tannery, 159 versus 1,000 mg/L.

6.1.2 Sampling at Midwest Beef Processing Plant

Methane and NH₃ were found in appreciably higher concentrations downwind of the lagoons compared with the upwind air. The downwind concentration of CH₄ averaged 58.1 ppmv and was as high as 200 ppmv. Ammonia concentrations up to 2.06 ppmv were measured.

Figure 6-4 shows the CH₄ and NH₃ downwind concentrations as a function of time. The downwind concentrations vary inversely with wind speed. Figure 6-5 shows the relationship between downwind CH₄ concentration and wind speed. The CH₄ concentration decreases exponentially with wind speed. Ammonia is not included in the figure, but it exhibited a similar trend. Figure 6-6 shows emission rates and wind speed as a function of time.

An average emission rate for TNMHC of 7.50 g/sec was determined, but the uncertainty in the measurement data is very high as evidenced by the 95% confidence intervals for each 5-minute average value shown in Appendix B. As previously mentioned, if the measured value is not at least three times the 95% confidence interval, the FTIR data are highly suspect. No other compounds were consistently found at significantly higher levels downwind than upwind.

The influent wastewater at this site is very concentrated relative to wastewater treated in most other industries.⁴ The influent samples that were collected were combined wastewaters from the slaughterhouse and tannery operations. Both influent and effluent data showed variability of <±30% for most parameters.

The WWT system is anaerobic, with both influent and effluent DO levels of 0.3 to 0.4 ppm. The WWT system is serving to reduce the level of contaminants in the wastewater. As shown in Table 6-3, removal rates of 73-88% for BOD, COD, and TOC were found. About 41% of the nitrates were removed in the lagoons. Ammonia was formed as a byproduct of the biodegradation at a rate of over 2,000 kg/day. The measured TKN levels increased by about 50% across the lagoon system.

6.1.3 Sampling at Southeast Chicken Processing Plant

The FTIR was positioned at this site to detect any air emissions from either the anaerobic lagoon or the sludge storage lagoon. A variety of compounds were found at elevated levels in the downwind air: CH₄, CO₂, CO, N₂O, and chloroform. Methane was found at an average downwind concentration of 9.80 ppmv, with a maximum of 29.9 ppmv.

Figure 6-7 shows the CH₄ and CO₂ downwind concentrations, and wind speed, as a function of time. As was the case for the two beef processing plants, the downwind concentrations appear to vary inversely with wind speed. The CO₂ concentration gradually decreased over the sampling period, but the CH₄ concentration did not show this same trend, indicating that the decrease in CO₂ concentration likely was real and not due to problems with the FTIR alignment or response. Figure 6-8 shows the relationship between downwind CH. concentration and wind speed. The CH4 concentration shows no obvious relationship with wind speed, indicating that increasing wind speeds do not act to dilute the emissions to the same extent as seen at other

Methane and Ammonia Concentration vs Time Midwest Beef Processing Plant

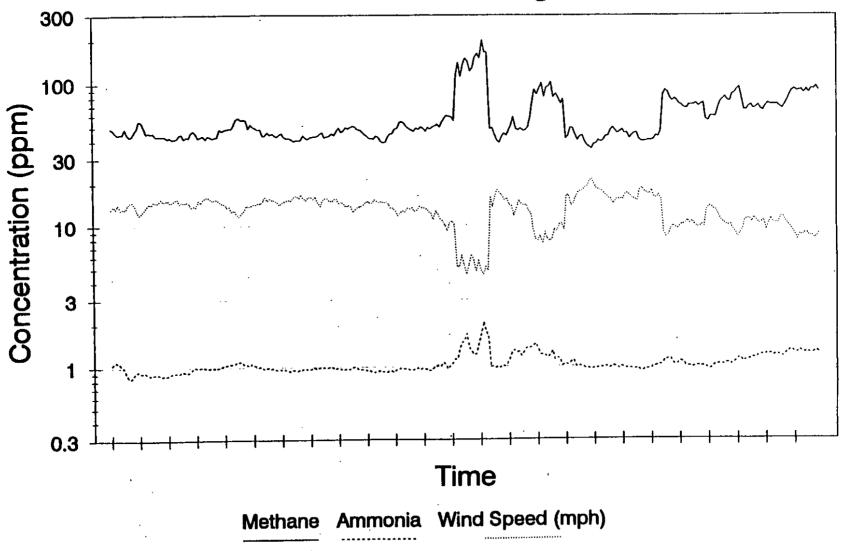


Figure 6-4. Methane and Ammonia Concentration vs Time Midwest Beef Processing Plant

Methane Concentration vs Wind Speed Midwest Beef Processing Plant

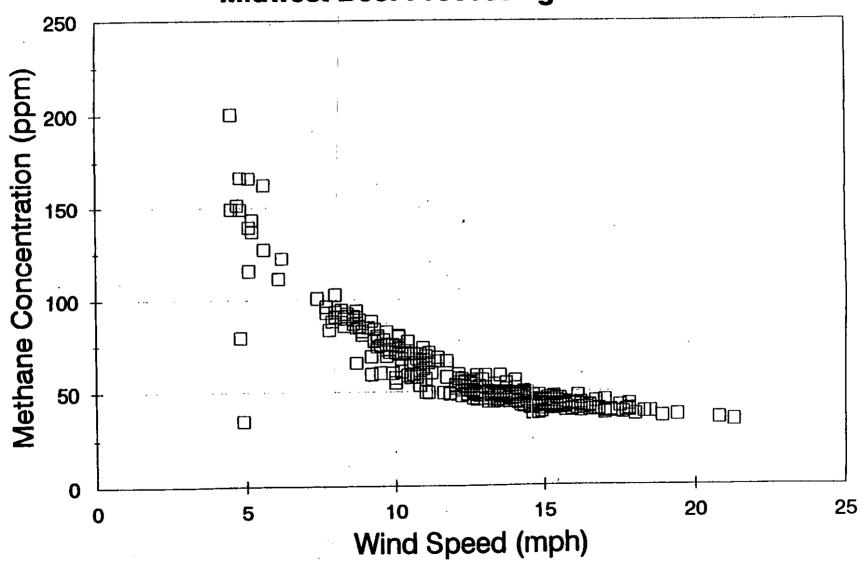


Figure 6-5. Methane Concentration vs Wind Speed Midwest Beef Processing Plant

Methane and Ammonia Emission Rate vs Time Midwest Beef Processing Plant

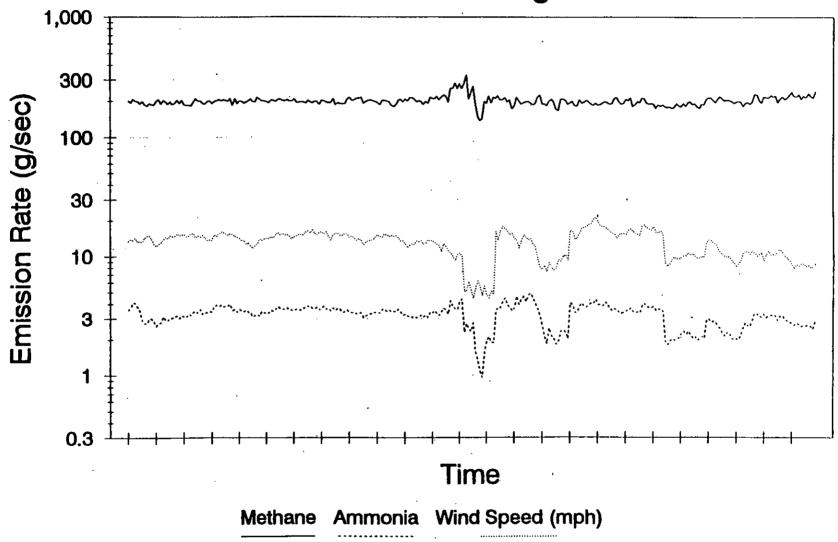


Figure 6-6. Methane and Ammonia Emission Rate vs Time Midwest Beef Processing Plant

Methane and CO2 Concentrations vs Time Southeast Chicken Processing Plant

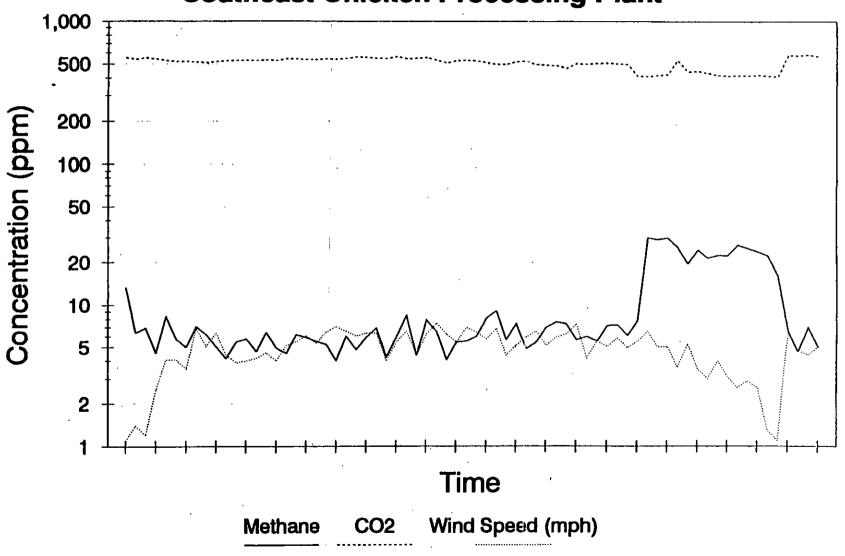


Figure 6-7. Methane and Carbon Dioxide Concentration vs Time Southeast Chicken Processing Plant

Methane Concentration vs Wind Speed Southeast Chicken Processing Plant

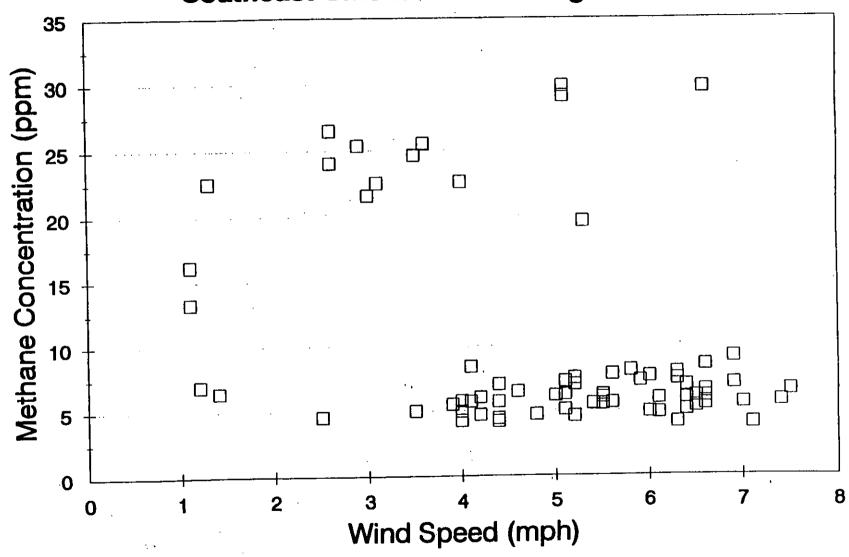


Figure 6-8. Methane Concentration vs Wind Speed Southeast Chicken Processing Plant

sites. This probably is due in some way to the presence of the thick, floating fat layer on top of the lagoon. Figure 6-9 shows emission rates and wind speed as a function of time. The emission rates varied with wind speed. The emission rates of both CH₄ and CO₂ tended to decrease during the sampling period.

The average emission rate for CO_2 is exceedingly large. The upwind CO_2 data at this site had a large variability (CV=7.58%), so the uncertainty in the emission rate data also is large (i.e., there is potentially a large uncertainty in the calculation of downwind concentration minus average upwind concentration). Given the magnitude of the calculated average emission rate, it is probable that a bias exists and the "true" CO_2 emission rate is significantly lower.

The downwind air had slightly more N₂O, CO, and CHCl₃ on average than the upwind air at the site. The N₂O appears to be being emitted from the WWT system. The CO, however, is likely coming from some combustion source such as the pump used to transfer fluid between the sludge lagoon and the anaerobic lagoon, or the diesel generator used to provide power to the FTIR unit. Chloroform was detected in the downwind air consistently during some times and was not detected during other long stretches of time. There may have been an intermittent source, other than the WWT system, releasing CHCl, during the test period. If the source of the CHCl3 was a one time spike in the influent wastewater, the downwind concentrations would be expected to show a gradual decrease over time, rather than the "on or off" behavior that was seen.

Small amounts of NH₃ were found in both the upwind and downwind air, but it was detected during relatively few monitoring periods. Ammonia was found during only one of 12 valid 5-minute upwind monitoring periods and five of 70 downwind monitoring periods. If the one upwind data point is excluded, the average NH₃ emission rate is 0.0659 g/sec, with a range of 0-2.09 g/sec. However, the 95% confidence interval for the NH₃ data is very large and the average upwind and downwind concentrations were nearly equal, indicating that the lagoons were not sources of NH₃ emissions.

The 95% confidence intervals also were large for H₂S and methylene chloride, indicating that these data are suspect and the measured emissions likely are artifacts of the data reduction process. No evidence of TNMHC (i.e., C-H bond stretch) was found in either the upwind or downwind air.

The influent wastewater at this site is concentrated; the BOD levels are greater than 1,000 mg/L. The influent wastewater had an average DO level of 4.9 ppm, but the effluent had an average of only 0.9 ppm. Removal rates of 95% and 92% were found for BOD and COD, respectively. The TOC removal was 61%. About 98% of the nitrates were removed in the lagoons. Ammonia was formed at a rate of about 280 kg/day as a byproduct of the biodegradation. The TKN levels decreased by 43% across the system. Samples of the influent to the sludge lagoon were collected and analyzed, but these results were not used in any of the calculations of removal rates. However, any emissions from the sludge lagoon would contribute to the total emissions that were measured and would thereby introduce a positive bias to the emission factors that were developed for this site.

Methane and CO2 Emission Rate vs Time Southeast Chicken Processing Plant

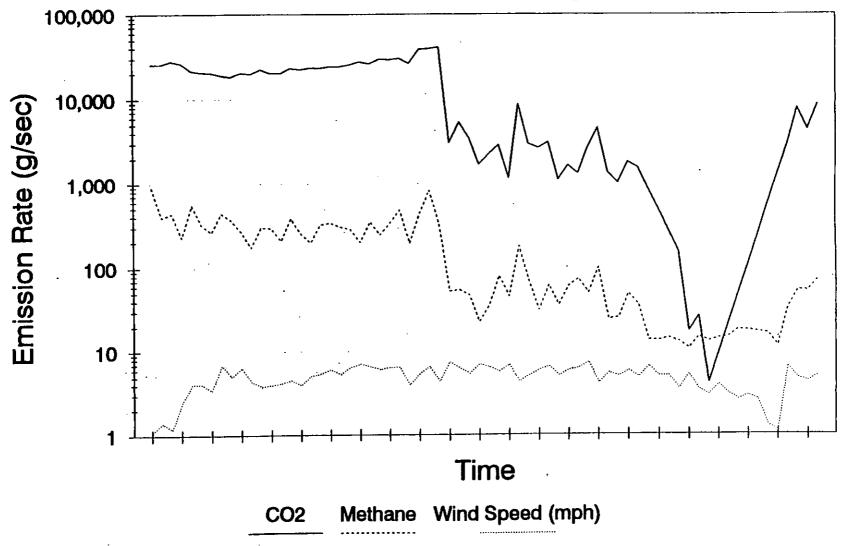


Figure 6-9. Methane and Carbon Dioxide Emission Rate vs Time Southeast Chicken Processing Plant

6.1.4 Sampling at POTW for Small Town in the Southwest U.S.

The upwind and downwind data collected at this site are essentially equivalent. None of the target analytes were detected in significantly greater concentrations downwind of the lagoons versus upwind. Therefore, there were no quantifiable emission rates for GHGs.

The POTW operator reports that the treated effluent is used for irrigation purposes and they have no discharge. Therefore, the plant is not required to report effluent wastewater data to the applicable regulatory agency. No wastewater data for specific time periods were obtained from the plant operator.

The wastewater treatment system has both facultative and aerobic lagoons. The DO level was found to increase across the WWT system from 0.6 to 5.8 ppm. The BOD removal was about 40% for the lagoons where air emissions were monitored. The total WWT system had a BOD removal of about 78% (see data in Appendix-F4). Ammonia is removed by the lagoons and nitrates are created. The NH₃ removal efficiency was 93%.

The influent wastewater contained relatively low levels of BOD (i.e., 68-235 mg/L) and COD (i.e., 32-245 mg/L). For several of the influent wastewater samples, the analytical results for BOD exceeded those for COD. COD levels, however, should always exceed BOD levels. The BOD results would be biased high by any nitrogeneous demand, which is oxidation of reduced forms of nitrogen mediated by microorganisms. No chemical inhibitor for nitrogenous demand was added to these samples during analysis, so some bias may exist. Such bias would

add a small amount to the BOD levels; this would not be detectable for the concentrated wastewaters from the meat processing plants, but could impact the BOD levels for the wastewater samples from the POTWs.

The BOD removal rates and the high levels of DO in the effluent indicate that aerobic processes were occurring. Therefore, emissions of CO₂ would be expected. The detection limit for CO₂, however, was so high (i.e., 150 g/sec) that no detectable emission rate was found. Both the upwind and downwind air had about 350 ppm of CO₂ with a CV of about 5%.

6.1.5 Sampling at POTW for Very Small Town in the Southwest U.S.

The upwind and downwind data collected at this site are essentially equivalent for most compounds. Hydrogen sulfide was detected in greater concentrations downwind of the lagoons. Slightly higher amounts of ethylene also were detected downwind. For both of these compounds, the measured values are not significantly greater than the 95% confidence interval, so it is likely the concentrations reflect data reduction artifacts and not actual emissions.

For this site, the upwind data set was collected at the same location as the downwind data set. Upwind data were collected when a north wind was blowing. Under these conditions, the town and a highway were upwind. The downwind data were collected when a south wind was blowing and, at these times, only farmland was upwind of the POTW.

Hydrogen sulfide was detected in the downwind air on only one day from about two o'clock in the afternoon until nine o'clock at night. During this time period, H₂S was routinely detected at levels of two to five ppmv. No H₂S was detected at other times that day or on other days (FTIR is not very sensitive for H₂S, which has a detection limit of about 1 ppmv by this method). The wind direction was generally not ideal during the seven-hour period when H₂S was detected. Only five of the 5-minute monitoring periods were valid in terms of wind direction. Hydrogen sulfide was not detected during any of the 149 other valid 5minute averaging periods. The lack of correlation of H₂S detection or concentration with wind direction indicates that the H₂S is not being emitted from the lagoons.

The BOD removal was 71% for the lagoons where air emissions were monitored. The total WWT system had a BOD removal of about 88% (see data in Appendix-F5). The cumulative amount of BOD removal by lagoon is:

Lagoon 1 - 50%; Lagoon 2 - 71%; and Lagoon 3 - 88%.

Ammonia is removed by the lagoons and nitrates are created. The NH₃ removal was 91%. The lagoons appear to be acrobic. The DO content increased from 0.1 ppm in the influent wastewater to 3.5 ppm after the first lagoon, 4.5 ppm after the second lagoon, and 9.6 ppm after the final lagoon. The BOD removal rates and the high levels of DO in the effluent indicate that aerobic processes were occurring. Normally, emissions of CO₂ would be expected. The detection limit for CO2, however, was so high (i.e., 150 g/sec) that no quantifiable emission rate was found. The average upwind CO₂ concentration exceeded the average downwind CO₂ concentration by

over 100 ppm. The source of the increased CO_2 levels in the upwind air is not known, but presumably is some source or combination of sources in the nearby town.

6.2 Intersite Comparison of Results

The upwind data at the five sites showed average CH₄ concentrations ranging from 1.92 to 2.83 ppmv and average CO₂ concentrations ranging from 351 to 668 ppmv (see Section 5). The upper end of the range for both compounds is higher than typical background levels (see Section 6.4), indicating that other emission sources were present in the general area, such as livestock operations and fossil fuel combustion.

The variability in CH₄ emission rates was relatively small. The two beef processing plants had average CH₄ emission rates of 280 and 226 g/sec (RPD = 21.3%). The average CH₄ emission rate at the chicken processing plant was 179 g/sec. The average emission rate for NH₃ also showed a relatively small amount of variability: 2.17 g/sec at one beef processing plant and 3.50 g/sec at the other beef processing plant. Emission rates for the two beef processing plants were expected to be very similar for both compounds because of similarities in design and influent wastewater at the two sites.

Some total non-methane hydrocarbons (TNMHC) were detected, but the FTIR method is not particularly well-suited for measuring this analyte. Only an approximate value can be determined based on the stretch of the total number of C-H bonds present.

Very low levels of chlorinated solvents were detected in some of the upwind and

downwind air samples (e.g., 1-10 ppbv). The reported values, while low, are substantially higher than typical data reported from canister/GC studies (e.g., <1 ppbv).

Surprisingly, no quantifiable emissions were detected from the POTWs. It was expected that either CH₄ or CO₂ would be emitted from the POTWs. The DO level in the lagoons exceeds 2 mg/L and BOD removal is taking place, so it is highly probable that CO₂ is being generated, but the levels were too small to detect given the very high detection limit for quantifying CO₂ emissions. The POTWs are not major sources of N₂O emissions.

At all three meat processing plants, large amounts of CH, were detected downwind of the WWT system. For the two beef processing plants, the concentration of CH₄ (and NH₃) exhibited an exponential-type relationship with wind speed, as shown in Figure 6-5. The downwind CH. concentration at the chicken processing plant did not show a clear relationship between concentration and wind speed, as shown in Figure 6-8. At the chicken processing plant, however, the range of wind speeds was much smaller than for the meat processing plants and the number of valid measurement periods also was much smaller, making it more difficult to identify trends and relationships.

At all three meat processing plants, the downwind concentrations tended to decrease as the wind speed increased. The wind served to dilute the emissions and thereby lower the downwind concentrations. As the wind speed increased, the amount of diluent air increased. The emission rates at these sites tended to increase with increasing wind

speed. The trend is most apparent for the two beef processing plants. At those sites, increasing winds will decrease the thickness of the boundary layer at the air-water interface, maximize the concentration gradient above the liquid surface, and promote mixing of the surface liquid layer with the bulk liquid. All of these actions will tend to enhance the emission rate. The effect is not as apparent for the chicken processing plant where a thick, floating fat layer was present on the liquid surface. The fat layer minimizes the effect of changing wind speed and causes the emission process to more closely resemble diffusion through a porous media such as soil rather than evaporation from a liquid surface.

In general, anaerobic degradation can be expected to produce a mixture of CH, and CO₂ (in somewhere between a 50:50 and a 70:30 ratio). Therefore, emissions of CO₂ would be expected wherever quanitifiable emission rates of CH, were found. The lack of quantifiable CO₂ emission rates may be due to the high detection limit for CO₂ emission rates, as previously discussed. The absence of CO₂ emissions also could be due to the presence of cyanobacteria (blue-green algae) in the anaerobic lagoons. These microorganisms can take up and use CO₂ as it is generated from other bacertia in the lagoons. No floating mats of algae were observed, however, in any of the lagoons.

The wastewater data for all three meat processing plants are very similar, with the two beef processing plants showing very good agreement. All three WWT systems had high removal rates for BOD removal (88-95%), as well as high removal rates for COD, TOC, and nitrates. All three WWT systems generated large amounts of ammonia as a by-product of the

biodegradation of the wastewater. The only parameter that showed variable behavior from system to system was TKN. TKN levels decreased across the WWT system at the chicken processing plant and increased at the beef processing plant in the Midwest. The TKN levels at the beef processing plant in the SW U.S. appeared to decrease across the WWT system, but the influent wastewater from the tannery operations was very high in TKN and had a highly variable composition, and this variability may have masked overall removal of total nitrogen in the system.

The two POTWs had similar influent wastewater and exhibited similar performance in terms of removal of BOD, COD, TOC, TKN, and ammonia. Both systems generated nitrates as a by-product of biodegradation.

6.3 Development of Emission Factors

Emission factors were developed for each site by dividing the average emission rates shown in Table 6-1 by the activity factors shown in Table 6-3. Emission factors based on the emission rate of ammonia from the chicken processing plant (deleting the one upwind data point) also are included. The resulting emission factors are given in Table 6-4. For CH₄, the emission factor based on COD should be the best predictor of emissions from other facilities. COD data, however, are not always available and estimates based on other activity factors may be necessary. Therefore, a variety of emission factors are included in Table 6-4. Subsequent work under this contract will assess the uncertainty associated with using these emission factors for developing national and global emission inventories.

Average values for each emission factor are given in Table 6-5, along with an estimate of the uncertainty developed through standard error propagation methods.

The CVs for the emission factors were calculated by first pooling the CVs for the emission rates averaged across the sites and the activity factors averaged across the sites. The error term was added by taking the square root of the sum of the squares of each pooled CV term. The CVs were taken from the measurement data summarized in this report, except for the CV in the influent wastewater flowrate and the number of animals/meat processed per day, each of which were assumed to have variability of +/-10%.

The CVs for the emission factors provide an estimate of the possible spread of derived emission factors, based on the variability of each of the measurements that go into the derivation. The uncertainty estimates are based on a normal distribution of results, which implies that the reported values (based on averages) have the highest probability of representing the true population parameter. The derived emission factors all appear to be reliable to within a factor of two, based on random error in the measurements, and assuming that the sites and samples accurately represent the population of interest.

The COD content of the influent wastewater should be a better indicator of its CH₄ emission potential than the BOD content. The 5-day BOD test will not fully degrade all of the biological material in wastewaters containing proteins and fatty acids. The ultimate BOD from a 20-day or longer test might yield results that are 50 to 100% higher than the 5-day test results. The

Table 6-4
Calculated Emission Factors By Site

Compound	Emission Factor gram emitted per	Southwest Beef Processing Plant	Midwest Beef Processing Plant	Southeast Chicken Processing Plant	POTW for Small Town in the Southwest	POTW for Very Small Town in the Southwest
	head/bird	4,840	3,490	124		
Methane	kg meat produced	21.2	15.4	73.6	NC	NC
[L of wastewater	1.61	1.84	4.55		
ĺ	g BOD in influent	0.403	0.766	3.25		
	g BOD removed	0.437	0.870	3.43		
Ī	g COD removed	0.257	0.585	2.04		
	g TOC removed	2.60	7.29	33.5		
	head/bird	: 37.5	54.0			
Ammonia	kg meat produced	0.164	0.238	NC	NC	NC
İ	L of wastewater	0.0125	0.0285			
	g BOD in influent	0.00312	0.0119		:	
	g NH, in effluent	0.063	0.133			
-	g TKN removed	4.17	negative value			
	g Nitrate removed	16.6	911	,		

6-27

Table 6-4 (Continued)

Compound	Emission Factor gram emitted per	Southwest Beef Processing Plant	Midwest Beef Processing Plant	Southeast Chicken Processing Plant	POTW for Small Town in the Southwest	POTW for Very Small Town in the Southwest
-	bird			8,570		
Carbon	kg meat produced	NC -	NC	5,100	NC	NC
Dioxide L	L of wastewater] i		315		
	g BOD removed]		238		
	head/bird			1.82		
Nitrous Oxide	kg meat produced	NC	NC	1.09] NC	NC
	L of wastewater]		0.0671		•
	g BOD removed	}		0.0506		
	g TKN removed			1.67	,	
Chloroform	g chloroform in influent	NC	NC .	87,100	NC	NC

NC = Not Calculated.

Table 6-5
Average Emission Factors

Compound	Emission Pactor	Average	Range	Uncertainty (%)
Methane	g CH ₄ /head of cattle	4,200	3,500 - 4,800	169
	g CH_/chicken	120	N/A	107
	g CH ₄ /kg meat	37	15 - 74	151
	g CH_/L of wastewater	2.7	1.6 - 4.6	151
	g CH4/g influent BOD	1.5	0.40 - 3.2	157
	g CH₄/g BOD removed	1.6	0.43 - 3.4	158
	g CH ₄ /g COD removed	0.96	0.26 - 2.0	163
	g NH ₃ /head of cattle	46	37 - 54	150
Ammonia	g NH ₃ /chicken	0.046	N/A	150
	g NH ₂ /kg meat	0.14	0.027 - 0.24	150
	g NH ₂ /L of wastewater	0.014	0.0017 - 0.028	150
	g NH /g influent BOD	0.40	0.0031 - 1.2	156 .
	g NH ₃ /g NH ₃ in effluent	0.072	0.020 - 0.13	150

6-2

Table 6-5 (Continued)

Compound	Emission Factor	Average	Range	Uncertainty (%)
	g CO ₂ /bird	8,600	N/A	101
Carbon Dioxide	g CO ₂ /kg meat	5,100	N/A	101
	g CO ₂ /L of wastewater	320	N/A	101
	g CO ₂ /g BOD removed	240	N/A	103
	g N₂O/bird	1.8	N/A	101
Nitrous Oxide	g N₂O/kg meat	1.1	N/A	101
	g N₂O/L of wastewater	0.067	N/A	101
	g N₂O/g BOD removed	0.051	N/A	103
	g TKN removed	1.7	N/A	103

N/A = Not applicable.

suspended solids associated with the wastewaters also are biodegradable and their ultimate BOD would not be exerted in the 5 days it takes to run a standard BOD test. It is possible that the lagoons are a sink for suspended and colloidal material (i.e., insoluble BOD) and this material builds up over time in the lagoon sediments. If so, the degradation of the sediments may occur during summer months or whenever the sediment is resuspended, thereby increasing the CH₄ (and CO₂) emissions. However, no seasonal trend is evident in the BOD effluent levels in the long-term wastewater data provided by the plants and shown in Appendix G.

Two of the sets of emission factors should be viewed with caution. The emission factor for CHCl, is based on data from one field site and the emission factor implies that many times more CHCl, is being emitted than is present in the influent wastewater. Obviously, this is not possible unless CHCl, is being generated as a degradation byproduct. More likely, the one influent wastewater sample that was analyzed yielded a result that is lower than the actual amount of CHCl, entering the lagoon. The emission factors for CO, also are based on data from one field site; i.e., the chicken processing plant. As previously discussed, the OPM-TM approach is not very sensitive for CO₂ given the high background levels and the measurement variability. A background level of 500 ppmv with a CV of 7.5% indicates that the CO₂ concentration can be expected to vary by ± 37.5 ppmv. This large absolute uncertainty in the upwind CO₂ concentration may result in a large positive or negative bias in the calculated emission rates. A review of the CO₂ emission factors in Table 6-4 suggests that the emission factors are biased high.

For example, the value of 238 g CO₂/g BOD removed vastly exceeds any plausible emission scenario.

6.4 Comparison of Results With Other Studies

The upwind ambient concentrations measured at the five sites were compared with typical ambient levels of certain GHGs that have been published.¹ These results are summarized below:

Compound	Typical Ambient Conc. (ppm)	Average Opwind Conc. (ppm)
CH.₄	1.72	2.27
CO ₂	353	487
N₂O	0.31	0.51
H₂O	10,000	20,500

The agreement is reasonable. All of the sites where measurements were made were in rural surroundings, which may account for the elevated levels of CH₄, CO₂, and N₂O versus the typical ambient concentrations. Livestock operations produce and release CH₄ and agricultural fields are sources of N₂O. The measured water vapor is a function of the ambient temperature and relative humidity, both of which were relatively high, at the times of sampling.

A number of previously published studies contain estimated or measured values for the emission fluxes of CH₄ from liquid surfaces or slurries. These studies are summarized in Table 6-6. The key comparison is the emission flux (i.e., emission rate per area). As shown in Table 6-6, the average methane emission flux for the three meat processing plants ranged from 6,100 to 23,000 µg/sec-

Table 6-6
Comparison of Measured Methane Emission Fluxes With Other Studies

Source Type	Basia	Reported Value	Units	Normalized Flux (µg/sec-m²)	Ref.
Beef Processing Plant in SW	ОРМ-ТМ	280	g/sec	11,000	
Beef Processing Plant in Midwest	ОРМ-ТМ	226	g/sec	6,100	T
Chicken Processing Plant in SE	ОРМ-ТМ	180	g/sec	23,000	
Lagoons at Swine Farm	OPM-TM	2.4	g/sec	1,400	10
Lagoons at Dairy Farm	ОРМ-ТМ	29	g/sec	9,400	10
Pig Slurry Tank	Field Measurements	1.21-1.93	g/m³-day	56 - 90	12
Pig Solid Manure Tank	Field Measurements	28.25 -82.5	g/m³-day	1,300 - 3,800	12
Municipal WWT Lagoons	Estimated U.S. Average	59-186	m³/hectare-day	46 - 140	13
Municipal Anaerobic WWT Lagoons	Estimate	131	kg/hectare-day	150	13
Facultative Pond	Pilot-Scale Experiments	41.6	kg/hectare-day	48	13
Aerated Industrial WWT System	Field Measurements	1054	μg/m²-min	. 18	14
Aerated Industrial WWT System	Field Measurements	316,000	μg/min	33	15
Lake Sediments	Field Measurements	0.3-279	μmol/m²-hr	1 - 1,200	16
Rice Paddies	Field Measurements	15 - 25	mg/m²-hr	4.2 - 6.9	17
Rice Paddies	Field Measurements	3 - 7	mg/m²-hr	0.8 - 2	18
Rice Paddies	Field Measurements	60	mg/m²-hr	17	19

m². Results for livestock lagoons in previous studies were similar (1,400 to 9,400), as were measurements at a manure tank (1,300 to 3,800). The emission flux from municipal WWT systems, industrial WWT systems, and rice paddies were substantially lower, as expected given the much lower BOD and COD levels in such waters.

There are very few published emission factors which can be compared with the emission factors developed in this study. The most widely reported emission factor for CH₄ is 0.22 g CH₄/g BOD. The reference (Orlich) for this factor does not provide information about how it was developed. It is very close to the theoretical value for the anaerobic degradation of glucose. The Buswell-Mueller equation predicts methane production from the anaerobic degradation of carbohydrates, fats, oils, waxes, and any compound with the formula CnHaOb. A given carbohydrate will yield approximately 0.25g CH₄/g COD removal. In theory, a maximum CH, and CO₂ yield could be calculated for a given --wastewater if all of the compounds comprising the wastewater were identified and quantified.

The emission factors determined in this study are substantially higher than those based on glucose degradation. Glucose is a simple sugar and its biodegradation over short periods of time cannot be directly compared with the microbial degradation of complex mixtures of amino and fatty acids, such as are present in the wastewaters at the meat processing plants.

Biogas generation rates were measured in-situ using a collection vessel in an aerobic lagoon used to treat domestic wastewater in Portugal.20 The wastewater averaged 700 mg/L of COD. The biogas emission rate averaged 119 m³/day (or 19.57 L per m³ of wastewater per day). The biogas production rate varied by a factor of four during three different times of day. The biogas production rate was found to increase with increased air temperature and it also was found to increase exponentially with increasing COD removal efficiency. The biogas was up to 80% CH₄ and 7 to 28% CO₂. The CH₄ production rate was up to 0.026 m³ CH₄ per m³ of wastewater per day. The authors report that this is far below the theoretical value [based on a conversion value of 0.50 m³ CH, per kg COD removed assuming BOD/COD ratio for domestic wastewater of 70%].

The CH₄ production rate corresponds to an overall emission rate of about 0.7 g/sec for a lagoon that has a volume of about 5% of the volume of the lagoon systems at the meat processing plants. When adjusted for wastewater volume, the Portugal study found CH₄ emissions to be about 5-10% of the values measured at the meat processing plants, which is reasonable agreement given the differences in COD loading. The variability in emission rate as a function of time in the Portugal study is similar to the temporal variability observed in the current study, but the FTIR measurement approach allowed better time resolution of emissions. In the current study, no evidence was found for diurnal variation in emissions, so there is no apparent correlation with air temperature. The opposite finding in the Portugal study is surprising considering that the bulk temperature of the WWT lagoons should not change appreciably with changes in air temperature.

Emissions of N₂O were measured at a POTW in Durham, NH using a closed chamber.²¹ The aeration tanks were found to account for 91% of the total N₂O emissions from the system, which equaled 35 kg/year. This corresponded to 3.2 g N₂O per person per year or 1.6 g N₂O per million liters of wastewater. The authors cite a recent lab investigation that developed an emission factor of 23 μg N₂O per g of suspended solids in the raw wastewater. The emission rate of 35 kg/year corresponds to 0.001 g/sec, which is well below the detection limit for N₂O using the OPM-TM approach, so there is no way to directly compare the

results of the Durham study to the current study.

Measurements at WWT systems at a refinery and at a chemical plant provided data that could be used to generate emission factors if unpublished BOD data are included. The calculations yield emission factors of 0.00053 to 0.0023 g CH₄/g BOD, which indicates that WWT processes for these industries emit substantially less CH₄ per gram of BOD removed than WWT systems for the meat processing industry.

SECTION 7

QUALITY ASSURANCE

Quality assurance (QA) activities for this program were designed to ensure the reliability of the measurement data for its intended use. The activities included the use of standard analytical methods to enhance comparability with similar studies, adherence to specific criteria for representative sampling conditions, calibration of all measuring equipment, and on-going control of the measurement processes through analysis of QC samples.

The QC checks of measurement quality served two purposes. First, QC activities such as routine calibration and analysis of blanks, replicates, and reference materials were used to provide on-going control and evaluation of the performance and effectiveness of the measurement processes throughout the course of the project. Second, results for analysis of QC samples provided a means of estimating the precision and accuracy of the measurement data. Results of QC indicators are discussed in this section, including:

- Calibration of measurement equipment;
- Analysis of laboratory control standards;
- Replicate analyses;
- Analysis of spiked samples;
- Analysis of blank samples;
- Collection of air canisters from upwind locations; and

• Collection of air canisters from along the FTIR beam path.

Additional checks were conducted to monitor the effectiveness of the sampling and analysis program, including comparison of wastewater measurements with historical records and analysis of tracer gas in the emission plume. Results for these checks are discussed in Section 6 of this report.

7.1 Summary of Data Quality

Results for analysis of QC samples indicate that the measurement data are accurate and precise within normal ranges for the analytical methods, and are well within the data quality objectives for precision and accuracy established in the test plan. Sampling conditions met prescribed criteria for collecting a sufficient amount of valid data. Considerations regarding beam path siting and wastewater sample collection, relative to the pattern of lagoons at each location, are discussed in the interpretation of results in Section 6.

Estimates of accuracy and precision for the various measurement parameters are presented in Table 7-1, along with percent data capture. Accuracy estimates are expressed in terms of percent recovery of known standards. For the FTIR, various amounts of gas standards were introduced into a closed cell that was placed in line during open path monitoring. Recovery

Table 7-1
Summary of Accuracy and Precision Estimates

Measurement	QC Measure	Accuracy (% Recovery)	Precision	Data Capture			
	FTIR	Measurements	_				
СҢ	Gas Std QC Check/ Std	103.9±5.6 %	5.85% Std Dev	>100%			
SF ₆	Dev of Valid Data Sets	110.2 <u>+</u> 5.1 %	n/a	>100%			
Wastewater Measurements							
TKN	Matrix	99 <u>±</u> 10 %	5.7 % RPD	98%			
NH ₃	Spikes/ Duplicate	96 <u>±</u> 10 %	7.1 % RPD	98%			
NO ₃	Analyses	99 <u>±</u> 6 %	15.8 % RPD	98%			
TOC		91%	4.4 % RPD	98%			
COD	Lab Control	99±3 %	5.8 % RPD	98%			
TSS	Standard/ Duplicate	101 <u>±</u> 23 %	5.0 % RPD	98%			
BOD ₅	Analyses	100 <u>±</u> 6 %	5.3 % RPD	98%			
	A i	r Canisters					
CH₄	Lab Control	100 <u>+</u> 9 %	0 % RPD	77%			
CO ₂	Standard/ Duplicate	103 <u>±</u> 14 %	0 % RPD	77%			
TNMHC	Analyses	99 <u>+</u> 2 %	20.2 % RPD	77%			
SF ₆		94 <u>±</u> 17 %	0 % RPD	77%			
Volatile (Organic Comp	ounds in Wastewa	ter by GC/MS				
Carbon tetrachloride	Matrix	105±3 %	16 % Std Dev	80%			
Chloroform .	Spikes/Std Dev for Lab	109 <u>+</u> 2 %	5 % Std Dev	80%			
Dichlorodifluoromethane	Control Samples	95 <u>+</u> 9%	8 % Std Dev	80%			
Methylene chloride	Pamhica	107 <u>+</u> 3%	9 % Std Dev	80%			
Trichlorofluoromethane		103 <u>+</u> 3 %	11 % Std Dev	80%			

estimates for air canisters were based on target analytes spiked into blank evacuated canisters. Recoveries for wastewater sample were based on target analytes spiked into either an aliquot of an actual sample (matrix spike) or into a clean laboratory matrix (laboratory control samples). Precision estimates are expressed in terms of the relative percent difference (RPD) between duplicate measurements, and as the relative standard deviation (RSD) for sets of recovery data (= %CV). The accuracy of the CH. concentrations measured by FTIR are based on data from three of the field sites. The QC checks at the two beef processing plants were not meaningful due to the very high ambient CH, levels relative to the matrix spike. For the FTIR data, the precision values are based on the upwind data. No precision was calculated for SFs. because it was rarely detected in the upwind air.

Data capture refers to the amount of valid data collection, expressed as a percentage of the amount of data planned to be collected. Data capture objectives were 95% for FTIR and meteorological data, and 90% for wastewater analyses. The goal was to collect at least ten valid 5-minute sets of upwind and ten valid 5-minute sets of downwind data at each site. This goal was exceeded. The goal for canister sampling was to collect two upwind canisters and two canisters along the FTIR beam path during each day of downwind FTIR monitoring. Some of these samples were not collected due to unacceptable meteorological conditions or collection of less than a full day of FTIR data at a given site.

The data capture goal for wastewater samples was to collect 6-8 influent and 3-4 effluent samples at each site. This goal was met or exceeded at each site except at the Very Small Town POTW, where only 5 influent wastewater samples were collected. The initial round of influent wastewater sampling at this site was canceled due to difficulty in removing a manhole cover to access the sample stream. At each site, one influent and one effluent sample were to be collected and analyzed for VOCs. These samples were collected at four of the five sites, but were inadvertently missed for the Very Small Town POTW, which was the first site tested

Laboratory blank samples were analyzed with each analysis batch to assess potential bias due to contamination/malfunction of laboratory equipment. No significant laboratory-related problems were noted that would affect the measurement data.

The data quality objectives set forth in the QA Project Plan included a precision of 10% for the FTIR and GC analysis of gas samples and an accuracy of ±10% for these same samples. For the wastewater measurements, the data quality objectives included a precision of 25% RPD and an accuracy of ±10 to 25%. As shown in Table 7-1, the data quality objectives were exceeded in all cases.

7.2 Results of Quality Control Measures

Quality control measures for field and laboratory activities are discussed below. Records were maintained for all measurement activities, including sample collection, chain-of-custody, source and certification of standards, calibration. analysis, QC checks, and data reduction. These records are maintained in laboratory notebooks and project files at Radian.

7.2.1 Field QC

Activities designed to control and assess the quality of the measurement data included those intended to ensure collection of representative samples and measurement data, such as siting of the FTIR beam path, measurement of a known tracer released upwind of the beam path to correlate to measurements of the emission plume, and meteorological criteria for representative FTIR data collection. Results for these activities are discussed in Sections 5 and 6 of this report.

A number of QC checks were performed related to the field measurements. First, a known tracer was released upwind from the beam path. The rotameters used to control the tracer release rates were each calibrated with the tracer gas at five flow settings, with a minimum of seven readings at each setting. Correlation coefficients for the rotameter calibrations were all greater than 0.9995, indicating a reliable linear response within the calibration range.

A multipoint calibration check of the FTIR was conducted to ensure accurate operation of the instrument. The correlation coefficient for CH₄ was 0.99994 and for sulfur hexafluoride was 0.99889.

Numerous background spectra were taken upwind at each site to record any excess compounds of interest to be subtracted from the spectra. Operational checks of the FTIR were performed at each site to ensure proper signal intensity, spectral linearity, system alignment, and signal-to-noise ratio. Calibrations and QC checks of the FTIR

were performed using known amounts of CH_4 and SF_6 gas standards (certified accurate $\pm 2\%$ by Scott Specialty Gases) in a closed cell that was placed in line during open path monitoring. Results of the QC checks of the FTIR instrument are summarized in Table 7-2.

Meteorological sensors were calibrated prior to use in the field. An independent audit of the meteorological equipment was conducted following the field effort. Results for the audit, summarized in Table 7-3, indicate that the meteorological equipment was accurate within normal limits.

The results of the analysis of canister samples are compared with the associated FTIR results in Tables 7-4 and 7-5. There is good agreement between the two measurement methods. Unfortunately, the analysis of SF₆ in the canister samples yielded mostly "less than" values. The relatively poor detection limit of the laboratory for SF₆ in canisters (versus the FTIR measurement) made it difficult to independently assess the FTIR data for SF₆. There is good confirmation, however, between the FTIR analysis for CH, and the independent analysis of the canister samples for this same compound. This provides proof that the FTIR data are of good quality.

7.2.2 Laboratory QC

Air canister and wastewater sample analyses were performed at off-site laboratories using standard reference methods. Wastewater samples were analyzed by Radian; air canister samples, by Air Toxics, Inc. QC activities included regular calibration or standardization, and analysis of laboratory control samples,

Table 7-2 Summary of Spiked Sample Results for FTIR

		Methane SF ₆		F ₆	
Date	Time	Measured (ppm)	Recovery* (%)	Measured (ppm)	Recovery ^b (%)
8/03	17:49	31,315	104.73	210.20	107.24
8/04	11:28	31,551	105.52	216.53	110.48
8/23	9:34	c	_	235.95	120.38
8/23	16:24	_c		210.49	107.39
8/24	12:20	c	_	211.10	- 107.70
8/24	18:23	_c		238.90	121.89
8/25	09:21	¢		208.54	106.40
8/30	16:17	_c .		208.41	106.33
8/31	20:17	c		212.73	108.53
9/01	12:56	_c		211.70	108.01
9/06	16:41	35,053	117.24	217.00	110.71
10/05	12:45	31,483	105.30	211.00	107.65
10/06	12:07	30,586	102.29	216.20	110.31

a Recovery versus 29,900 ppm*m.

<sup>b Recovery versus target of 196 ppm*m.
c High CH₄ values in downwind ambient air made determination difficult of relatively small spike addition. Recoveries varied from negative values to +250%.</sup>

Table 7-3
Results of Calibration of Meteorological Sensors

Sensor	Reference Value	Measured Value	Relative Error
Wind Speed	18.5 MPH	18.9 MPH	2.2 %
Temperature	77.1 °F	78.2°F	1.4 %
Barometric Pressure	29.22 in Hg	29.3 in Hg	0.3 %
Wind Direction	4-pt linearity check Ol	Κ.	

Table 7-4
Comparison of Upwind Data

Site	Compound	Average Value by FTIR (ppm)	Average Value by Canister (ppm)	RPD
SW Beef	CH.	2.3	3.20	29.5%
	CO ₂	479	490	2.3%
	TNMHC	0	0.097	NC
	CH₄	2.83	3.95	33.0%
Midwest Beef	CO ₂	501	620	21.2%
	TNMHC	0 .	0.042	NC
	CH₄	1.92	2.35	20.1%
SE Chicken	CO ₂	434	261	49.8%
-	TNMHC	0	0.028	NC
	CH,	2.14	2.02	5.8%
Small Town POTW	CO ₂	351	354	0.8%
	TNMHC	0	0.037	NC
	CH,	2.16	2.80	25.8%
Very Small Town POTW	CO ₂	668	420	45.6%
	TNMHC	0	0.167	NC

NC = Not calculated.

Table 7-5a
Summary of Comparisons of FTIR Beam Path Data

Compound	No. Observations	Average RPD
Methane	15²	±18.3%
Carbon Dioxide	20	±27.0%
Sulfur Hexafluoride	5	±40.5%
Total Non-Methane Hydrocarbons	5	±148%

^{*}One outlier removed.

Table 7-5b Comparison of FTIR Beam Path Data

Date	Time	Сотроинд	Average FTIR Data (ppm)	Canister Data (ppm)	RPD (%)
8/02	1125-1145	CH,	1.94	. <2	NC
ı.		CO ₂	531	430	20.9
_	<u>.</u>	SF ₆	0.4 ppb	38 ppb	42.3
		TNMHC	0	< 0.022	NC
8/02	1556-1616	СН	1.75	<2	NC
		CO ₂	507	420	18.8
		SF ₆	0.35 ppb	22 ppb	43.0
		TNMHC	0	0.47	NC
8/03	1134-1154	СН	1.85	<2	NC
		CO ₂	484	420	14.2
		SF ₆	0.4 ppb	46 ppb	30.3
		TNMHC	0	0.01	NC

Table 7-5b (Continued)

Date	Time	Compound	Average FTIR Data (ppm)	Canister Data (ppm)	RPD (%)
8/03	1540-1600	СН	1.61	<2	NC
		CO ₂	502	450	10.8
		SF ₆	0.4 ppb	<20 ppb	NC
		TNMHC	0	< 0.020	NC
8/23	1050-1110	СҢ	27.8	26	6.8
		CO ₂	402	380	5.6
		SF ₆	7.96 ppb	<19 ppb	NC
		TNMHC	0	0.041	NC
8/23	1455-1515	CH.	22.0	18	20.2
		CO ₂	468	370	23.5
		SF ₆	3.77 ppb	<20 ppb	NC
		TNMHC	0	0.048	NC
8/24	0925-0945	CH.	26.6	240	160
		CO ₂	438	920	71.0
		SF ₆	4.24 ppb	<23 ppb	NC
		TNMHC	0	0.02	NC
8/24	1830-1850	CH ₄	47.7	63	27.6
		CO ₂	452	760	50.8
		SF ₆	16.4 ppb	<19 ppb	NC
		TNMHC	0.17	0.037	130
8/30	1225-1245	CH.	61.8	67	8.0
		CO ₂	522	600	14.0
		SF ₆	15.9 ppb	<24 ppb	NC
		TNMHC	0.28	0.027	165

Table 7-5b (Continued)

Date	Time	Compound	Average FTIR Data (ppm)	Canister Data (ppm)	RPD (%)
8/30	1445-1505	CH.	52.9	58	9.2
		CO ₂	546	570	4.2
!		SF ₆	15.9 ppb	30 ppb	61.3
		TNMHC	0.25	0.064	118
8/30	1730-1750	CH ₄	121	140	14.8
		CO2	620	680	. 9.3
		SF ₆	29.42 ppb	38 pp ხ	25.4
		TNMHC	0.49	0.029	178
8/31	1210-1230	CH4	42.9	66	42.4
		CO ₂	539	730	30.1
		SF ₆	0.91 ppb	NM	NC
		TNMHC	0.12	< 0.026	NC
8/31	1755-1815	СН	47.5	57_	18.2
·		CO ₂	572	67	158
		SF ₆	0.98 ppb	NM	NC
		TNMHC	0.22	< 0.024	NC
9/01	0940-1000	CH4	84.6	120	34.6
		CO ₂	475	700	38.3
·		SF ₆	13.5 ppb	<24 ppb	NC
		TNMHC	0.38	0.056	149
9/06	1352-1413	CH,	4.21	3.1	30.4
		CO ₂	523	640	20.1
		SF ₆	3.21 ppb	<24 ppb	NC
		TNMHC	0	<0.018	NC

Table 7-5b (Continued)

Date	Time	Compound	Average FTIR Data (ppm)	Canister Data (ppm)	RPD (%)
9/07	1219-1241	CH₄	5.87	5.8	1.2
		CO ₂	580	530	9.0
		SF ₆	8.83 ppb	<21 ppb	NC
		TNMHC	0	<0.010	NC
10/04	1435-1455	CH₄	2.51	2.2	13.2
		CO ₂	458	420	- 8.6
		SF ₆	2.50 ppb	<29 ppb	NC
		TNMHC	0	0.19	NC
10/04	1735-1755	CH.	2.42	2.1	14.4
		CO ₂	446	370	18.5
		SF ₆	8.66 ppb	<22 ppb	NC
		TNMHC	. 0	0.072	NC
10/05	1615-1635	CH₄	2.20	1.9	14.5
		CO ₂	362	350	3.4
		SF ₆	9.83 ppb	<19 ppb	NC
· 		TNMHC	0	< 0.019	NC
10/06	1050-1110	CH ₄	2.17	1.8	18.8
		CO ₂	325	360	10.2
		SF ₆	10.3 ppb	<16 ppb	NC
		TNMHC	0	0.018	NC

NM = Not Measured.

NC = Not Calculated.

blanks, spikes, and duplicates, according to method requirements. A detailed summary of results for analysis of laboratory control samples, matrix spikes, and duplicate analyses is presented in Table 7-6, which shows the number of QC samples analyzed, the average, range of results, and standard deviation for each parameter.

Results for analysis of QC samples indicated good precision and accuracy for each measurement technique. Laboratory blank samples were also analyzed with each batch of samples analyzed. No significant contamination problems were identified.

Analysis of wastewater samples for conventional wastewater parameters (e.g., BOD, COD, etc.) were performed at Radian according to procedures in "Standard Methods for the Examination of Water and Wastewater." Every procedure involved specific calibration or standardization of instruments and titrants, and on-going analysis of laboratory control samples, blanks, spikes, and duplicates, as appropriate to the method. Laboratory control samples were prepared from sources independent of that used for calibration to verify the accuracy of the calibration standards.

Analysis for TOC was not feasible in many wastewater samples due to the large amount of suspended solids that interfered with the instrument and precluded getting reliable measurements. The samples were subsequently filtered prior to analysis, resulting in determination of dissolved total organic carbon. A comparison of results for wastewater analyses conducted by Radian with historical wastewater analysis data from each site is discussed in Section 6.

In addition to the conventional wastewater analyses, wastewater samples were analyzed by GC/MS Method 8260 for a target list of VOCs. In addition to instrument tuning and calibration, surrogate spikes were added to each sample to assess the effectiveness of individual determinations, in accordance with method requirements. Surrogate recoveries were within specification for all the samples. indicating effective performance of the method in the sample matrix. Methylene chloride was detected in the laboratory blanks at approximately the same concentration range as reported in the samples, but these concentrations were all below the blank tolerance and method reporting limit for methylene chloride (a common laboratory contaminant), and suggest that the concentrations of methylene chloride in the samples are artifacts of the analysis.

Air canister samples were analyzed by Air Toxics Laboratory using EPA methods. QC measures included multipoint calibration of the gas chromatograph, and analysis of blanks and laboratory control standards (LCS) in each analysis batch to monitor system cleanliness and overall performance. Duplicate analyses were performed on a subset of samples. No problems involving analysis of blank samples were noted. Total non-methane hydrocarbons (TNMHC) was the only parameter detected in the air canister laboratory blanks; it was detected in only one out of ten blanks, and at a very low concentration (0.013 ppmv). Results for analysis of QC samples show precision and accuracy within normal limits for the methods.

Table 7-6
Detailed Summary of Precision and Accuracy QC Checks

Wastewater Analyses							
Matrix Spikes	Count	Average % Recovery	Min	Max	Std Dev		
TOC	11	91	71	102.3	8.6		
NO3-N	20	99	84.8	109.5	6.3		
NH3-N	12	96	83.7	120	10.2		
TKN	8	99	88.4	118	9.5		
BOD	NA		_	-			
TSS	NA	-	į	***	-		
COD	NA		1	•			
Lab Control Samples	Count	Average % Recovery	Min	Max	Std Dev		
TOC	24	_ 100	97	104.4	1.7		
NO3-N	42	100	91.8	105.2	2.6		
NH3-N	24	98	89.7	108	4.4		
TKN	11	- 98	90.9	103	4.8		
BOD	47	100	[↓] 88	116	6.5		
TSS	5	101	70	124	23.4		
COD	12	99	93.4	103.8	3.0		
Duplicate Analyses	# Pairs	Avg RPD	Min	Max			
TOC	10	4.4	1.3	11.6			
NO3-N	5	15.8	4.1	30.8			
NH3-N	9	7.1	0.9	18.3			
TKN	7	5.7	0.9	13.1			
BOD	18	`5.3	1.1	12.9			
TSS	11	5.0	1.5	16			
COD	8	5.8	1.7	8			

Table 7-6 (Continued)

Air Canister Analyses							
Lab Control Samples	Count	Average % Recovery	Min	Max	Std Dev		
СН4	8	100	84	115	8.7		
CO2	8	103	86	124	13.5		
TNMHC	7	99	95	101	2.1		
SF6	7	94	72	121	16.8		
Duplicate Analyses	# Pairs	Avg RPD	Min	Max			
CH4	3	0	0	0			
CO2	3	0	0	0			
TNMHC	1	20.2	20.2	20.2			
SF6	2	0	0	0			
VOC Analyses (Wastewater)							
Matrix Spikes	Count	Average % Recovery	Min	Max	Std Dev		
Carbon tetrachloride	4_	105	101	110	3.4		
Chloroform	4	109	106	112	2.2		
Dichlorodifluoromethane	4	95	85	105	8.6		
Methylene chloride	4	107	103	111	3.0		
Trichlorofluoromethane	4	103	98	107	3.4		
Lab Control Samples	Count	Average % Recovery	Min	Max	Std Dev		
Carbon tetrachloride	8	99	73	109	15.8		
Chloroform	8	102	95	110	4.8		
Dichlorodifluoromethane	8	91	80	102	7.9		
Methylene chloride	8	97	87	111	8.8		
Trichlorofluoromethane	8	97	79	109	11.3		

7.3 Results of QA Audits

A systems audit was conducted by EPA at one of the sites. A copy of the audit report is given as Appendix H to this report.

SECTION 8

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APPENDIX A

MASTER LOG

Appendix A Master Log

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A001	7/31/95	1845	water	effluent pond 3	n/a	effluent from entire system
A002	7/31/95	1900	water	effluent pond 2	n/a	
A003	7/31/95	1920	water	effluent pond 1	n/a	
A004	8/01/95	1642	water	effluent pond 3	n/a	effluent from entire system
A005	8/01/95	1705	water	effluent pond 2	n/a	
A006	8/01/95	1745	water	influent	n/a	
A007	8/01/95	1925-2123	air	upwind	20998	
A008	8/02/95	1106-1306	air	upwind	21009	
A009	8/02/95	1143	water	effluent pond 3	n/a	effluent from entire system
A010	8/02/95	1202	water	effluent pond 2	n/a	
A011	8/02/95	1400	water	influent	n/a	
A012	8/02/95	1125-1145	air	beam path	14881	
A013	8/02/95	1556-1616	air	beam path	429	
A014	8/02/95	1547-1748	air	upwind	12693	
A015	8/02/95	1800	water	effluent pond 2	n/a	
A016	8/02/95	1830	water	influent	n/a	
A017	8/03/95	1040-1245	air	upwind	14009	

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A018	8/03/95	1134-1154	air	beam path	11889	
A019	8/03/95	1130	water	effluent pond 2	n/a_	
A020	8/03/95	1230	water	influent	n/a	
A021	8/03/95	1440-1615	air	upwind	14011	
A022	8/03/95	1540-1600	air	beam path	95562	
A023	8/03/95	1535	water	effluent pond 2	n/a	
A024	8/03/95	1630	water	influent	n/a	
A025	8/21/95	РМ	water	influent tanning	n/a	
A026	8/21/95	PM	water	influent slaughter	n/a	
A027	8/21/95	PM	water	effluent	n/a	
A028	8/22/95	AM	water	influent tanning	n/a	
A029	8/22/95	AM	water	influent slaughter	n/a	
A030	8/22/95	AM	water	effluent	n/a	
A031	8/22/95	PM	water	influent tanning	n/a	
A032	8/22/95	PM	water	influent slaughter	n/a	
A033	8/23/95	930	water	influent tanning	n/a	
A034	8/23/95	930	water	influent slaughter	n/a	
A035	8/23/95	930	water	effluent	n/a	

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A036	8/23/95	1037-1232	air	upwind	13667	
A037	8/23/95	1050-1110	<u>air</u>	beam path	9571	
A038	8/23/95	1442-1641	air	upwind	436	·
A039	8/23/95	1440	water	influent tanning	n/a	
A040	8/23/95	1500	water	influent slaughter	n/a	
A041	8/23/95	1455-1515	air	beam path	13851	
A042	8/24/95	845-905	air	vertical disp.	14889	Canister 77" above ground
A043	8/24/95	845-905	air	vertical disp.	14110	Canister 50" above ground
A044	8/24/95	845-905	air	vertical disp.	14869	Canister 27" above ground
A045	8/24/95	925-945	air	beam path	11878	
A046	8/24/95	900-100	air	upwind	94941	•
A047	8/24/95	1040	water	effluent	n/a	
A048	8/24/95	1030	water	influent tanning	n/a	
A049	8/24/95	1055	water	influent slaughter	n/a	
A050	. 8/24/95	1410	water	influent tanning	n/a	,
A051	8/24/95	1350	water	influent slaughter	n/a	
A052	8/24/95	1830-1850	air	beam path	13670	
A053	8/28/95	AM	water	influent	n/a	

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A054	8/28/95	PM	water	effluent	n/a	
A055	8/28/95	РМ	water	influent	n/a	
A056	8/29/95	AM	water	effluent	n/a_	
A057	8/29/95	AM	water	influent	n/a	
A058	8/29/95	РМ	water	influent	n/a	
A059	8/30/95	1050-1250	air	upwind	13864	South central location
A060	8/30/95	1225-1245	air	beam path	413	
A061	8/30/95	AM	water	influent	n/a	
A062	8/30/95	PM ⁻	water	influent	n/a_	
A063	8/30/95	РМ	water	effluent	n/a	
A064	8/30/95	1305-1505	air	upwind	R-16	·
A065	8/30/95	1445-1505	air	beam path	9413	
A066	8/30/95	1600-1800	air .	upwind	5712	
A067	8/30/95	1730-1750	air	beam path	10984	
A068	8/31/95	1015-1245	air	upwind	10782	SE corner
A069	8/31/95	AM	water	influent	n/a	
A070	8/31/95	PM	water	effluent	n/a	
A071	8/31/95	PM	water	effluent	n/a_	

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A072	8/31/95	1210-1230	air	beam path	20946	no tracer
A073	8/31/95	1725-2005	air	upwind	10786	
A074	8/31/95	1755-1815	air	beam path	10779	no tracer
A075	9/01/95	0835-1125	air	upwind	10773	
A076	9/01/95	0940-1000	air	beam path	21073	tracer on
A077	9/05/95	AM	water	effluent	n/a	
A078	9/05/95	1130	water	influent	n/a	
A079	9/05/95	РМ	water	influent	n/a	
A080	9/06/95	1330	water	influent	n/a	
A081	9/06/95	AM	water	effluent	n/a	
A082	9/06/95	1335-1451	air	upwind	10977	tracer on
A083	9/06/95	1352-1413	air	beam path	11034	tracer on
A084	9/06/95	1515	water	influent	n/a	
A085	9/06/95	AM	water	effluent	n/a	
A086	9/06/95	1100	water	sludge	' n/a	·
A087	9/07/95	1122-1430	air	upwind	9423	
A088	9/07/95	1219-1241	air	beam path	12719	tracer on
A089	9/07/95	1145	water	influent	n/a	

Sample ID	Date	Time	Sample Type	Location	Canister	Comments
A090	9/07/95	1630	water	influent	n/a	
A091	10/04/95	940	water	influent	n/a	
A092	10/04/95	1000	water	effluent	n/a	
A093	10/04/95	1130	water	influent	n/a	
A094	10/04/95 1155		water	effluent	n/a	
A095	10/04/95	1215-1515	air	upwind	440	tracer on
A096	10/04/95	1435-1455	air	beam path	12338	tracer on
A097	10/04/95	1340	water	influent	n/a	
A098	10/04/95	1400	water	effluent	n/a	
A099	10/04/95	1515-1815	air	upwind	12695	
A100	10/04/95	1735-1755	air	beam path	12088	
A101	10/05/95	920	water	influent	n/a	
A102	10/05/95	935	water	effluent	n/a	
A103	10/05/95	1140	water	influent	n/a	
A104	10/05/95	1520-1820	air	upwind	12082	
A105	10/06/95	1615-1635	air	beam path	3	
A106	10/06/95	855-1155	air	upwind	94304	
A107	10/06/95	900	water	influent	n/a	

Sample ID	Date	Time	Sample Type	Location	Canister ID	Comments
A108	10/06/95	0920	water	effluent	n/a	
A109	10/06/95	0910	water	storage pond	n/a	
A110	10/06/95	1130	water	influent	n/a	
A111	10/06/95	1050-1110	air	beam path	9422	
A112	10/06/95	1050-1110	<u>air</u>	upwind	9419	

APPENDIX B

COMPLETE RESULTS OF FTIR MONITORING

- B1 Beef Processing Plant in Southwest U.S.
- B2 Beef Processing Plant in Midwest U.S.
- B3 Chicken Processing Plant in Southeast U.S.
- B4 POTW for Small Town in Southwest U.S.
- B5 POTW for Very Small Town in Southwest U.S.

Site: Bee	f Processir	g plant in SW	U.S.								
Upwind D.	ata in ppm							<u> </u>			
Date	Time	H2O		CO2_		SF6		CH4		NH3	
<u> </u>		<u> ppm</u>	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 6											
08/21/95	21:19:46	19187.2364	317.3	498.38	16.82	0.00066673	0.0002	2.3358	0.175	0	0.006
08/21/95	21:24:46	19120.7135	323.9	493.10	16.18	0.00066635	0.0002	2.3067	0.17	0	0.006
08/21/95	21:29:46	19171.1299	317.2	491.52	15.82	0.00066586	0.0002	2.3350	0.169	0	0.006
08/21/95	21:34:47	19192.0498	322.2	487.51	16.19	0.00066524	0.0002	2.3439	0.169	0	0.006
	21:39:47	19161.9235	321.4	473.42	16.2	0.00055293	0.0002	2.4231	0.171	0.04943172	0.006
08/21/95	21:44:48	18957.0537	317.2	480.71	16.6	0.00055241	0.0002	2.3246	0.17	0	0.006
08/21/95	21:49:47	19057.1509	302.5	478.94	16.34	0.00055241	0.0002	2.2991	0.168	0	0.006
08/21/95	21:54:47	19018.2186	288	478.60	16.76	0.00055138	0.0002	2.3964	0.172	0.03881742	0.006
08/21/95	21:59:47	18856.7191	306.1	478.64	17.32	0.00055066	0.0002	2.2985	0.17	0	0.006
08/21/95	22:04:48	18775.0506	232.8	470.22	17.31	0.00055036	0.0002	2.3357	0.173	0	0.006
08/21/95	22:09:48	18774.5577	288.7	486.61	17.88	0.00054984	0.0002	2.3633	0.174	0	0.006
08/21/95	22:14:49	18711.2857	300.8	477.24	17.9	0.00054943	0.0002	2.3208	0.174	0	0.006
08/21/95	22:19:48	18912.8389	285.3	484.14	17.97	0.00065944	0.0002	2.3212	0.172	0	0.006
	22:24:48	19032.5108	298.1	475.90	18.26	0.00055005	0.0002	2.3080	0.174	0	0.006
08/21/95	22:29:48	19181.7804	298.4	468.20	17.9	0.00054953	0.0002	2.3917	0.175	0	0.006
08/21/95	22:34:49	19011.7141	288.8	472.95	18.28	0.00054943	0.0002	2.3593	0.177	0	0.006
08/21/95	22:39:49	19253.395	282.5	487.49	18.56	0.00054922	0.0002	2.3254	0.176	0	0.006
08/21/95		19177.1552	292.4	473.17	18.29	0.00054892	0.0002	2.3626	0.177	0	0.006
	22:49:50	19249.785	287.5	478.52	18.83	0.00054851	0.0002	2.3586	0.177	0	0.007
	22:54:49	19054.6269	285	485.54	18.84	0.00054851	0.0002	2.3411	0.18	0	0.007
08/21/95	22:59:49	18986.5776	274	484.13	19.04	0.00054779	0.0002	2.3336	0.178	0	0.007
08/21/95	23:04:50	18896.3524	282.8	483.99	19.48	0.00054737	0.0002	2.3494	0.184	0.	0.007
08/21/95	23:09:50	18918.526	269	480.94	19.46	0.00065673	0.0002	2.3577	0.183	0	0.007
08/21/95	23:14:49	18879.8837	265.1	497.20	19.89	0.00054758	0.0002	2.3294	0.181	0	0.007
08/21/95	23:19:50	18893.8759	257.5	502.87	20.29	0.00065734	0.0002	2.3797	0.185	0	0.007
08/21/95	23:24:50	19138.0681	248.3	490.46	19.26	0.00065673	0.0002	2.3391	0.182	0	0.007
08/21/95	23:29:50	18888.8409	278.8	499.44	19.95	0.00054727	0.0002	2.3698	0.185	0	0.007
08/21/95	23:34:51	18959.2998	250	505.85	20.37	0.00065623	0.0002	2.3965	0.184	0	0.007
08/21/95	23:39:51	18966.8465	249.1	493.49	19.98	0.00054686	0.0002	2.3768	0.185	0	0.007
08/21/95	23:44:50	18972.2722	248.4	508.46	20.63	0.00054696	0.0002	2.3378	0.186	. 0	0.007
08/21/95	23:49:51	18994.9551	246.1	506.72	19.82	0.00065623	0.0002	2.3319	0.186	0	0.007
08/21/95	23:54:50	19075.0154	258.6	509.56	20.19	0.00054686	0.0002	2.3428	0.188	0	0.007
08/21/95	23:59:50	18921.2618	272.4	493.35	19.92	0.00065561	0.0002	2.3526	0.187	0	0.007
08/22/95	00:04:51	19044.5803	276.7	501.19	20.38	0.00054655	0.0002	2.3097	0.186	0	0.007
08/22/95	00:09:50	19318.4025	254.3	485.88	20.81	0.00065586	0.0002	2.3229	0.188	0	0.007
08/22/95	00:14:50	19676.5795	280.2	491.86	20.04	0.00054676	0.0002	2.3632	0.188	0	0.007
08/22/95	00:19:50	19622.5372	288.6	483.04	20.75	0.00065586	0.0002	2.3141	0.188	0	0.007
08/22/95	00:24:51	19798.8686	296	490.32	20.8	0.00065623	0.0002	2.2968	0.187	0	0.007
08/22/95	00:29:51	20109.6043	296.4	489.51	20.49	0.00054707	0.0002	2.3492	0.188	0	0.007
	00:34:52	20184.5143	315.1	489.72	20.54	0.0006566	0.0002	2.2904	0.191	0	0.007
08/22/95	00:39:52	20122.3714	299.5	489.91	20.73	0.00065599	0.0002	2.2949	0.189	0	0.007
08/22/95		20220.3788			21.8	0.00065574	0.0003	2.3235	0.188	0	0.008
08/22/95		. 20079.5981	309.7	490.75	21.2	0.00054624	0.0003	2.3620	0.191	0	0.007
08/22/95		20038.0189	302.9	485.77	21.15	0.00065512	0.0003	2.2678	0.19	0	0.007
08/22/95		20227.4713		478.80	21.31	0.00054583	0.0003	2.2914	0.191	0	0.007
08/22/95		20056.6256		480.55	20.99	0.00054583	0.0003	2.3887	0.194	0.03667996	0.007
08/22/95		20091.6979		482.59	21.27	0.00054542	0.0003	2.3235	0.191	0	0.007
08/22/95		19926.4805		485.84	21.27	0.00054552	0.0003	2.3141	0.192	0	0.007
08/22/95		19743.5211	287	496.30	21.63	0.00054563	0.0003	2.3026	0.196	0.01178555	0.008
08/22/95		19907.4311		477.91	21.09	0.00054594	0.0003	2.3061	0.194	0	0.007
08/22/95	$\overline{}$	19797.3382		499.12		0.00065488	0.0003	2.3052	0.193	0	0.007
08/22/95		19892.6909	248.9		21.12	0.00065512	0.0003	2.3126	0.193	0	0.007
08/22/95		19819.9906		481.72	21.3	0.00054604	0.0003	2.3251	0.194	ŏ	0.007
08/22/95		19896.8424	268.6	480.59		0.00065475	0.0003	2.2032	0.19	0	0.007
08/22/95		20068.5887	328.1	476.63	21.37	0.00054521	0.0003	2.3161	0.191	0	0.007
08/22/95		20114.9041	327.6		21.38	0.0005448	0.0003	2.2685	0.193	0	0.007
08/22/95		20091.8909	_	475.27	22.26	0.00054491	0.0003	2.2897	0.196	0	0.008
08/22/95		19849.921	322.6		21.84	0.00054431	0.0003	2.2862	0.197	0	0.008
08/22/95		19649.7483		468.63	21.35	0.00054542	0.0003	2.2798	0.194	0	0.007
08/22/95		19794.8215	300.6	 -	21.76	0.0005446	0.0003	2.3353	0.195	0	0.007
08/22/95		19713.2643		495.21	21.75	0.00054419	0.0003	2.2867	0.196	- 0	0.008
JUIE 2/33	UE. 13.34	10/10/2040	230.3	733.61	21./3	0.00034413	0.0003	2.2007	0.190	<u>. </u>	1 0.000

Site: Bee	f Processir	ng plant in SW	U.S.								
	ata in ppm										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/22/95	02:24:54	19953.7615	307.8	481.10	21.08	0.00054398	0.0003	2.2619	0.193	0	0.007
08/22/95	02:29:53	19751.9821	294.5	491.57	22.36	0.00065253	0.0003	2.3285	0.197	0	0.008
	02:34:53	19537.6259	301.1	487.33	22.02	0.00054378	0.0003	2.2566	0.199	0	0.008
	02:39:53	19545.9935	271.4	481.86	22.04	0.00054398	0.0003	2.3054	0.198	0	0.008
	02:44:54	19481.276	311.3	482.42	21.83	0.00054388	0.0003	2.2941	0.199	0	0.008
08/22/95	02:49:54	19293.3621	285	484.07	22.2	0.00054378	0.0003	2.2534	0.201	0	0.008
	02:54:54	19413.1014	275.8	484.50	21.86	0.00065253	0.0003	2.2849	0.201	0	0.008
	02:59:54	19409.4037	302.9	473.30	21.92	0.00054378	0.0003	2.2708	0.202	0	0.008
08/22/95	03:04:55	19491.5353	284.3	480.30	22.21	0.00043486	0.0003	2.3178	0.201	0	0.008
	03:09:55	19370.9387	299.1	469.30	21.85	0.00054367	0,0003	2.2649	0.202	0	0.008
	03:14:55	19354.6999	279.6	471.78	21.97	0.00054378	0.0003	2.2708	0.199 0.198		0.008
	03:19:56	19425.5971	282	472.61	22.01	0.00054398	0.0003	2.3087	0.198	0	0.008
08/22/95		19242.6026	313.4	476.96	22.08	0.00054398	0.0003	2.3346	0.201		0.008
	03:29:57	19529.2924	286 301.9	467.88 470.75	21.58	0.00054367	0.0003	2.3196	0.199	0	0.008
08/22/95	03:34:57	19126.152 19457.254		485.56	22.41	0.000343461	0.0003	2.2121	0.201	0	0.008
	03:39:57 03:44:57		296 299.2	485.56	21.75	0.00054295	0.0003	2.3076	0.201	0	0.008
	03:44:57	19217.2944 19271.0367	282.3	466.36	21.75	0.00054295	0.0003	2.2776	0.202	0	0.008
	03:49:57	19156.9361	278.8	466.49	22.04	0.00054202	0.0003	2.3032	0.202	0	0.008
	03:59:57	19225.9303	277.3	471.72	22.27	0.00054233	0.0003	2.2745	0.202	0	0.008
08/22/95		18813.0808	237.6	470.49	22.3	0.00054255	0.0003	2.2993	0.199	- 0	0.008
	04:04:59	18539.0986	296.9	473.31	22.74	0.00054254	0.0003	2.2939	0.201	0	0.008
1	04:14:59	18496.238	293.4	471.36	22.77	0.00054254	0.0003	2.3504	0.208		0.008
	04:19:59	18546.8818	319.9	473.48	22.49	0.00054223	0.0003	2.2893	0.202	0	0.008
08/22/95		18894.2346	283.1	465.02	22.09	0.00065068	0.0003	2.3034	0.198	0	0.008
	04:29:58	18714.431	290.4	463.28	22.25	0.00054223	0.0003	2.3186	0.201	0	0.008
	04:34:58	18560.0038	293.6	467.62	21.92	0.00054223	0.0003	2.3067	0.202	0	0.008
	04:39:58	18416.7904	308.6	479.19	22.39	0.00054244	0.0003	2.3054	0.206	0	0.008
	04:44:59	18329.8738	279.4	480.65	22.29	0.00054213	0.0003	2.3334	0.203	0	0.008
08/22/95	04:49:59	18437.4489	288	465.10	22.19	0.00054182	0.0003	2.2767	0.205	0	0.008
08/22/95	04:54:59	18316.233	268.9	472.95	22.42	0.00054212	0.0003	2.2628	0.203	. 0	0.008
08/22/95	04:59:58	18296.4996	292.5	482.82	21.95	0.0004337	0.0003	2.2900	0.201	0	0.008
08/22/95	05:04:58	18259.9604	300.8	469.81	22.49	0.00054212	0.0003	2.2259	0.204	0	0.008
08/22/95	05:09:57	17959.6834	287.1	458.66	22.28	0.00054202	0.0003	2.2689	0.202	0	0.008
08/22/95	05:14:58	17760.3648	286.9	465.46	22.26	0.00054161	0.0003	2.2802	0.204	0	0.008
	05:19:58	17615.1449	232.2	464.24	22.73	0.0005412	0.0003	2.2611	0.204	0	0.008
	05:24:57	17648.041	276.1	464.88	22.01	0.00054069	0.0003	2.3099	0.203	0	800.0
	05:29:57	17595.822	279.6	462.35	22.34	0.00054038	0.0003	2.2912	0.203	0	0.008
	05:34:58	17727.5395	281.9	469.28	22.34	0.00054028	0.0003	2.2984	0.202	0	0.008
	05:39:58	17668.2684	283.2	467.80	22.06	0.00043255	0.0003	2.2871	0.205	0	0.008
	05:44:58	17418.3949	272.6	464.62	22.37	0.00054089	0.0003	2.2620	0.202	0	0.008
08/22/95		17285.9413		470.92	22.7	0.00043263	0.0003	2.3092	0.204	0	0.008
	05:54:59	16976.8273	279	474.70	23.01	0.00043263	0.0003	2.2507	0.208	0	0.008
08/22/95		16972.8586	263.6		23.21	0.00054048	0.0003	2 2365	0.206	0	0.008
08/22/95		17117.2601	248.1	496.18	23.07	0.0004323	0.0003	2.2674	0.204	0	0.008
	06:09:59	17104.4778	261.2		23.08	0.00054017	0.0003	2.3196	0.206	0	0.008
08/22/95		16875.9845		474.49	22.86	0.00054017	0.0003	2.2687	0.204	0	0.008
08/22/95		16819.7516	241.7		23.13	0.00043247	0.0003	2.3062	0.207	0	0.008
08/22/95		16932.8108	231.3	477.19	22.77	0.00043214	0.0003	2.2763	0.204	0	0.008
08/22/95		16998.7179	223.2	471.18	22.43	0.00043197	0.0003	2.3014	0.203	0	0.008
08/22/95		16775.8629	243.6	477.78	22.24	0.00043189	0.0003	2.3096	0.204	0	0.008
08/22/95		16714.047	260	472.15	22.91	0.00053997	0.0003	2.2668	0.206	0	0.008
08/22/95 08/22/95		16660.0724	243.1	465.17	22.62	0.00053976	0.0003	2.2973	0.207	0	0.008
	06:49:59	16556.3302	228.9	467.76	22.38	0.00053976	0.0003	2.2367	0.202	0	0.008
08/22/95 08/22/95		16590.557	232.8	473.52	22.13	0.00054017	0.0003	2.2601	0.204	0	0.008
08/22/95		16485.5473	237.6	461.85	22.73	0.00054017	0.0003	2.2893	0.206	0	0.008
08/22/95		16516.1035	207.1	471.48	22.21	0.00054007	0.0003	2.2532	0.204	0	0.008
08/22/95		16514.9449	247.1	453.16	22.37	0.00054038	0.0003	2.2977	0.205	0	0.008
08/22/95		16481.3266 16551.8754	239 225	470.04 473.57	22.59	0.0005409 0.0005411	0.0003	2.2772	0.205	0	0.008
08/22/95		16648.2392	211.2	473.57	23.13	0.0005411	0.0003	2.3257	0.205	0	0.008
	07:29:59	16595.0837	218.4	461.37	22.53	0.00054131	0.0003	2.2356 2.3221	0.205	0	0.008
20,55,93	U1.28.38	10090.0007	∠ 10.4	+01.37	22.53	0.00034132	1 0.0003	2.3221	0.207	0	0.008

Site: Beef	f Processin	ng plant in SW	U.S.	1							
Upwind Da	ata in ppm										
Date	Time	H2O	<u> </u>	CO2		SF6		CH4		NH3	_
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	07:35:00	16611.2516	202.4	470.74	22.56	0.00043346	0.0003	2.3126	0.204	0	0.008
	07:40:09	16629.7184	224.2	475.96	22.02	0.0003254	0.0003	2.3147	0.207	0	0.008
	07:45:01	16794.5844	235.7	471.98	21.92	0.0004342	0.0003	2.2948	0.203	0	0.008
	07:50:01	16975.0973	250.3	478.36	21.64	0.00043478	0.0003	2.2695	0.199	0	0.008
-	07:55:02	17149.1159	253	461.08	21.74	0.00043519	0.0003	2.2956	0.203	0	0.008
	08:00:02	17134.1668	269.5	464.28	21.87	0.00043585	0.0003	2.3275	0.202	0	0.008
	08:05:02	17306.5997	222.9	471.25	21.48	0.00043634	0.0003	2.3126	0.203	0	0.007
	08:10:02	17601.7604	239.6	465.73	21.5	0.000437	0.0003	2.2953 2.3334	0.205	0	0.007
-	08:15:01	17793.9723 18471.8832	267.6 271.5	468.64	21.86	0.00043757	0.0003	2.3334	0.202	0	0.008
	08:20:01 08:25:01	18110.8093	261.8	460.52 470.57	21.7 21.34	0.00043806 0.00043815	0.0003	2.3485	0.208	0	0.008
	08:30:02	18434.5511	288.5	459.81	21.14	0.00043813	0.0003	2.2799	0.200	0	0.007
	08:35:02	18539.5209	278	468.84	21.14	0.00043848	0.0003	2.2899	0.2	Ö	0.007
	08:40:02	18706.0912	293.7	473.52	21.08	0.00043905	0.0003	2.3336	0.203	0	0.007
	08:45:02	18944.6433	325.4	479.45	20.37	0.00054933	0.0002	2.3743	0.202	0 !	0.007
	08:50:02	19019.5716	318.9	477.58	20.11	0.00043946	0.0002	2.3589	0.203	0	0.007
	08:55:03	19088.3473	360.5	485.82	21.04	0.0003296	0.0003	2.3534	0.202	0	0.007
	09:00:03	18934.9752	359.4	474.62	20.51	0.00043946	0.0002	2.3424	0.197	0	0.007
	09:05:03	18912.4528	357.4	495.49	20.92	0.00043946	0.0002	2.3028	0.198	0	0.007
	09:10:03	19184.15	349	505.71	21.26	.0.00043946	0.0003	2.3138	0.197	. 0	0.007
08/22/95	09:15:03	19231.8316	358.5	481.65	20.8	0.00043946	0.0002	2.2566	0.195	0	0.007
08/22/95	09:20:04	19090.4348	387.7	492.42	20.69	0.00043946	0.0002	2.2588	0.193	0	0.007
08/22/95	09:25:04	19207.002	373.6	486.70	20.22	0.00043946	0.0002	2.2852	0.186	0	0.007
08/22/95	21:17:30	19207.002	373.6	486.70	20.22	0.00043946	0.0002	2.2852	0.186	0	0.007
	21:19:19	15104.6273	263.6	400.79	21.27	0	0.0003	23.9720	0.161	0.06108517	0.007
08/22/95	21:35:17	15783.4857	283.8	399.03	20.75	0	0.0002	15.8531	0.15	0.04185872	0.007
	21:51:21	16168.7837	287.6	395.52	20.65	0	0.0002	27.3789	0.17	0.05163675	0.007
08/22/95		16252.3913	285.9	399.14	19.98	0	0.0002	22.9409	0.166	0.0502085	0.007
Downwind	Data										
Run 7											
	22:15:08	16878.4197	307.7	412.42	21.04	0	0.0003	20.4606	0.166	0.0438412	0.007
08/22/95		16976.6979	282.5	414.76	22.07	0	0.0003	26.0928	0.18	0.04427353	0.008
	22:25:09	16881.6523	303.9	410.68	22.07	0	0.0003	24.3122	0.173	0.03654371	0.008
	22:30:09 22:35:09	16925.92	306.1	414.17	22.07	0	0.0003	18.1316 21.2083	0.168	0.0406807	0.008
	22:40:09	16838.4293 16848.8677	284.9 298.2	410.46 412.02	22.53 22.78	0	0.0003	17.9663	0.176	0.04306728 0.03567954	800.0 800.0
	22:45:08	16704.0565	286.3	405.39	22.55	0	0.0003	25.6238	0.176	0.03367534	0.008
	22:50:08	16738.4058	301.9	406.59	22.4	0	0.0003	27.6864	0.178	0.04532347	0.008
	22:55:09	16651.2269	298	403.47	22.68	Ö	0.0003	19.4172	0.17	0.02971221	0.008
	23:00:09	16578.1054	297.2	406.66	23.07	ō	0.0003	21.9022	0.179	0.02562185	0.008
$\overline{}$	23:05:09	16549.1074	295.8	412.75	23.24	0	0.0003	34.9463	0.201	0.05921458	0.008
08/22/95		16549,4492		412.05	23.03	0	0.0003	50.2930	0.237	0.08654551	0.008
08/22/95		16874.1849		429.26	23.45	0.00382873	0.0003	95.0161	0.418	0.24930483	0.008
08/22/95		17237.6242	553.1	426.77	27.45	0.02854599	0.0003	73.2880	0.323	0.54674875	0.01
08/22/95		16836.5352	405.5	416.52	23.47	0.00153091	0.0003	38.9569	0.214	0.33865965	0.008
08/22/95	23:30:09	16551.0711	310.9	411.69	23.29	0	0.0003	37.8451	0.222	0.12065518	0.008
08/22/95	23:35:09	16577.7376	307.9	420.98	22.87	0	0.0003	56.6565	0.262	0.14524523	0.008
08/22/95		16651.7893	305.5	410.01	22.95	0	0.0003	43.1855	0.231	0.16026673	0.008
08/22/95		16463.1338	271	408.71	23	0	0.0003	14.2063	0.178	0.03552565	0.008
08/22/95		16352.887	257	407.71	22.94	0	0.0003	6.3048	0.172	0	0.008
08/22/95	23:55:10	16279.8506	245.1	398.82	23.05	0	0.0003	13.6304	0.18	0.00927733	0.008
08/23/95		16207.5834	254.1	402.11	23.06	0	0.0003	10.9567	0.178	0.01036095	0.008
08/23/95		16236.1336	276.4	408.39	23.49	0	0.0003	24.5226	0.204	0.04557098	800.0
08/23/95		16318.6027		412.38	24.08	0	0.0003	52.0384	0.258	0.11671791	0.008
08/23/95	00:15:08	16316.9039		403.62	23.22	0	0.0003	25.9267	0.215	0.07908981	0.008
	00.50-00	16077.3583		402.78	23.84	0	0.0003	6.3134	0.188	0	0.008
08/23/95						0	0.0003	47.0112	0.273	0.08298025	0.008
08/23/95	00:25:09	16182.673	243.1	414.68	23.85				• • • • • • • • • • • • • • • • • • • 		
08/23/95 08/23/95	00:25:09 00:30:10	16182.673 16626.7861	380.9	430.96	25.84	0.02503706	0.0003	110.7219	0.507	0.31045956	0.009
08/23/95 08/23/95 08/23/95	00:25:09 00:30:10 00:35:08	16182.673 16626.7861 16500.6567	380.9 335.6	430.96 425.88	25.84 26.45	0.02503706 0.02503233	0.0003 0.0003	110.7219 76.2517	0.507 0.345	0.31045956 0.24858189	0.009
08/23/95 08/23/95 08/23/95 08/23/95	00:25:09 00:30:10 00:35:08 00:40:08	16182.673 16626.7861 16500.6567 16495.9706	380.9 335.6 372.5	430.96 425.88 421.28	25.84 26.45 25.34	0.02503706 0.02503233 0.01424945	0.0003 0.0003 0.0003	110.7219 76.2517 53.1387	0.507 0.345 0.269	0.31045956 0.24858189 0.31294407	0.009 0.009 0.009
08/23/95 08/23/95 08/23/95 08/23/95 08/23/95	00:25:09 00:30:10 00:35:08 00:40:08	16182.673 16626.7861 16500.6567	380.9 335.6 372.5	430.96 425.88	25.84 26.45	0.02503706 0.02503233	0.0003 0.0003	110.7219 76.2517	0.507 0.345	0.31045956 0.24858189	0.009 0.009

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08/23/95 03:10:12 16590.0566 373.8 421.55 29.97 0.04402012 0.0004 94.1069 0.44 0.33448788 0.012 08/23/95 03:20:11 16556.3194 409.3 427.91 33.41 0.05731269 0.0004 103.6473 0.484 0.33693167 0.012 08/23/95 03:20:11 16556.3194 409.3 427.91 33.41 0.05589362 0.0004 117.5193 0.561 0.38204808 0.012 08/23/95 03:20:11 16518.5122 442.4 427.84 33.32 0.05185615 0.0004 100.2917 0.475 0.42740729 0.012 08/23/95 03:30:12 16434.9767 417.9 421.57 31.31 0.04316255 0.0004 75.3053 0.362 0.39733344 0.011 08/23/95 03:30:12 16039.3917 301.6 414.41 26.78 0.02473948 0.0003 49.1412 0.282 0.2170376 0.009 08/23/95 03:40:12 16369.7132 365 422.32 28.03 0.03156356 0.0003 74.0204 0.364 0.33260658 0.01 08/23/95 03:40:12 16369.7132 365 422.32 28.03 0.03156356 0.0003 74.0204 0.364 0.33260658 0.01 08/23/95 03:40:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:50:12 160780.499 30.2 423.46 71.3 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:50:12 160780.499 30.2 423.46 71.3 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:012 160780.499 30.2 423.46 71.3 0.02517161 0.0004 12.2061 0.555 0.4480268 0.011 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 18.8573 0.447 0.3306068 0.012 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 13.6225 0.538 0.42345227 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 13.6225 0.538 0.42345227 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 13.6225 0.538 0.42345277 0.011 08/23/95 04:10:12 170.62214 77216.2373 4843.3 429.61 31.1 0.05246722 0.0004 170.4551 0.522 0.45031298 0.011 08/23/95 04:30:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 170.4551 0.522 0.45031298 0.011 08/23/95 04:30:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 170.5678 0.498 0.41484944 0.011 08/23/95 04:30:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 170.5678 0.498 0.41484944 0.011 08/23/95	08/23/95	03:05:12		467.3	425.59	33.7		0.0004	107.7915	0.502	0.44857307	0.012
08/23/95 03:15:12 16430.9741 356.1 427.41 33.44 0.05731269 0.0004 103.6473 0.484 0.30693167 0.012 08/23/95 03:20:11 16556.3194 409.3 427.88 33.37 0.055889362 0.0004 117.5193 0.561 0.38204808 0.012 08/23/95 03:25:11 16518.5122 442.4 427.84 33.32 0.05186615 0.0004 110.2917 0.475 0.42740729 0.012 08/23/95 03:30:12 16434.9787 417.9 421.57 31.31 0.04316255 0.0004 75.3053 0.362 0.39733344 0.011 08/23/95 03:30:12 16039.3917 301.6 414.41 26.78 0.02473948 0.0003 49.1412 0.282 0.2170376 0.009 08/23/95 03:40:12 16389.7132 365 422.32 28.03 0.03156358 0.0003 49.1412 0.282 0.2170376 0.009 08/23/95 03:40:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:45:12 16078.0499 330.2 423.46 31.8 0.04621153 0.0004 65.7258 0.332 0.2830962 0.011 08/23/95 03:50:12 16078.0499 330.2 423.46 31.8 0.04821153 0.0004 65.7258 0.332 0.2830962 0.011 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06801195 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:00:12 166614.0366 457.4 439.92 34.65 0.06801195 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:00:12 16661.0366 457.4 439.92 34.65 0.06801195 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:00:12 16691.0158 4458 432.73 32.08 0.04851832 0.0004 188.8157 0.517 0.40734639 0.011 08/23/95 04:00:12 16690.1058 4458 432.73 32.08 0.04851832 0.0004 110.4851 0.522 0.45031298 0.011 08/23/95 04:00:12 17216.2373 484.3 429.41 32.09 0.04537786 0.0004 110.4851 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.0457786 0.0004 110.4851 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.0457786 0.0004 110.4551 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.0457786 0.0004 110.65179 0.559 0.37941174 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.0457786 0.0004 110.65179 0.559 0.3951174 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.0462662 0.0004 106.6174 0.500 0.4351201 0.010 08/23/95 04:35:13 17220.0451 470.4 473.1 429.41 32.09 0.04537786 0.0004 106.9194 0.509 0.33510047 0.011 08/		03:10:12	16590.0566		421.55	29.97	0.04402012	0,0004	94.1069	0.44	0.33448788	0.01
08/23/95 03:25:11 16518.5122 442.4 427.84 33.32 0.05185615 0.0004 100.2917 0.475 0.42740729 0.012 08/23/95 03:30:12 16434.9767 417.9 421.57 31.31 0.04316255 0.0004 75.3053 0.362 0.39733344 0.011 08/23/95 03:35:12 163693.9317 301.6 414.41 267.8 0.02473948 0.0003 49.1412 0.282 0.2170376 0.009 08/23/95 03:45:12 16369.7132 365 422.32 28.03 0.03156358 0.0003 74.0204 0.364 0.33260658 0.010 08/23/95 03:45:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:55:11 16251.4512 362.3 433.50 33.66 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 03:55:11 16251.4512 362.3 433.50 33.66 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:05:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16618.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16618.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16618.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 30.0 0.04570766 0.0004 110.4651 0.525 0.45031298 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:45:12 17185.6643 472.5 462.83 33.15 0.04862662 0.0004 110.4651 0.508 0.43845831 0.011 08/23/95 04:45:12 17185.6643 472.5 462.83 33.15 0.04862662 0.0004 110.4651 0.509 0.33510047 0.011 08/23/95 04:45:13 1720.515 461.2 424.99 31.95 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:50:13 17240.8099 38.7 415.28 31.36 0.0482662 0.0004 105.0384 0.502 0.43658331 0.0	08/23/95	03:15:12	16430.9741	356.1	427.41	33.44	0.05731269	0.0004	103.6473	0.484	0.30693167	0.012
08/23/95 03:30:12 16434.9787 417.9 421.57 31.31 0.04316255 0.0004 75.3053 0.362 0.39733344 0.011 08/23/95 03:35:12 16039.3917 301.6 414.41 26.78 0.02473948 0.0003 49.1412 0.262 0.2170376 0.009 08/23/95 03:40:12 16369.7132 365 422.2 28.03 0.03156358 0.0003 49.141 0.262 0.2170376 0.009 08/23/95 03:45:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:50:12 16078.0499 330.2 423.46 31.8 0.04521153 0.0004 65.7258 0.332 0.28309962 0.011 0.0003 0.001511 16521.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 16605.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.4184944 0.011 08/23/95 04:30:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.4184944 0.011 08/23/95 04:45:12 17708.5256 454.4 427.89 33.05 0.0536492 0.0004 116.5179 0.558 0.42458531 0.011 08/23/95 04:45:12 1773.9565 454.4 427.89 33.05 0.0536492 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:45:12 17736.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:50:13 17212.0515 461.2 424.99 33.05 0.0536492 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:45:12 17736.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17240.8881 394.6 420.82 30.87 0.0437971 0.0004 08.63520 0.33510047 0.011 08/23/95 05:05:13 17240.8981 394.6 420.82 30.87 0.04397971 0.0004 08.63520 0.339 0.33890161 0.011 08/23/95 05:05:13 17432.7929 04:45:8 414.5 28.25 0.039879791 0.0004 08.63520 0.339 0.33860786 0.01 08/23/95 05:05:1	08/23/95	03:20:11	16556.3194	409.3	427.98	33.71	0.05589362	0.0004	117.5193	0.561	0.38204808	0.012
08/23/95 03:35:12 16039.3917 301.6 414.41 26.78 0.02473948 0.0003 49.1412 0.282 0.2170376 0.009 08/23/95 03:40:12 16369.7132 365 422.32 28.03 0.03156358 0.0003 74.0204 0.364 0.33260658 0.01 08/23/95 03:45:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:50:12 16078.0499 330.2 423.46 31.8 0.04621153 0.0004 65.7258 0.332 0.28309962 0.011 08/23/95 03:50:11 16251.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:05:12 16678.0499 340.5 433.50 33.86 0.05830427 0.0004 122.2081 0.585 0.4802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 19.66788 0.498 0.41484944 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:30:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:40:12 17233.9656 454.4 427.89 33.05 0.05846722 0.0004 110.50384 0.502 0.44749483 0.012 08/23/95 04:40:12 17233.9656 454.4 427.89 33.05 0.0586492 0.0004 116.5179 0.558 0.4248581 0.011 08/23/95 04:50:13 17290.515 461.2 427.99 33.05 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:50:13 17290.8881 394.6 420.82 30.87 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17290.8881 394.6 420.82 30.87 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17290.8881 394.6 420.82 30.87 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17290.8881 394.6 420.82 30.87 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17290.8881 394.6 420.82 30.87 0.04637877 0.0004 97.5019 0.459 0.33850161 0.011 08/	08/23/95	03:25:11	16518.5122	442.4	427.84	33.32	0.05185615	0.0004	100.2917	0.475	0.42740729	0.012
08/23/95 03:40:12 16369.7132 365 422.32 28.03 0.03156358 0.0003 74.0204 0.364 0.33260658 0.01 08/23/95 03:45:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:55:11 16251.4512 362.3 433.50 33.86 0.0530427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 03:55:11 16251.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:05:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04413685 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04413685 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:12 17053.538 0.422.88 33.15 0.04546722 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05516215 0.0004 116.5179 0.558 0.33510047 0.011 08/23/95 04:45:12 1703.9656 454.4 427.89 33.05 0.0536492 0.0004 116.5179 0.558 0.33510047 0.011 08/23/95 04:55:13 17219.5054 461.2 424.99 31.95 0.04637877 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:55:13 1729.5066 480.3 424.86 32.3 0.04627921 0.0004 17.3522 0.559 0.33591047 0.011 08/23/95 04:55:13 1729.08881 394.6 420.82 30.87 0.04637877 0.0004 97.889 0.46 0.4591071 0.011 08/23/95 05:05:13 1729.08881 394.6 420.82 30.87 0.04637877 0.0004 97.889 0.46 0.4591071 0.011 08/23/95 05:05:13 1729.08881 394.6 420.82 30.87 0.0413784 0.0004 97.889 0.46 0.4591071 0.011 08/23/95 05:05:13 17244.0809 388.7 415.28 31.36 0.04319519 0.0004 97.889 0.36 0.33590161 0.011 08/23/95 05:05:13 17443.7427 405.6 413.49 29.2 0.0342274 0.0003 77.8208 0.383 0.3544039 0.01 08/23/95 05:05:13 17440.809 38.7 415.8 28.7 0.03329730 0.0003 77.8208 0.383 0.3544039 0.01 08/23/95 05:05:13 17440.809 38.8 415	08/23/95	03:30:12	16434.9787	417.9	421.57	31.31	0.04316255	0.0004	75.3053	0.362	0.39733344	0.011
08/23/95 03:45:12 16144.3995 344.6 416.57 27.13 0.02517161 0.0003 52.7143 0.291 0.30033077 0.009 08/23/95 03:50:12 16078.0499 330.2 423.46 31.8 0.04621153 0.0004 65.7258 0.332 0.28309962 0.011 08/23/95 03:50:11 16251.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 166051.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:05:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 110.4651 0.522 0.50031288 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04403685 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415699 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:40:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 116.5179 0.558 0.4424583 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 105.6788 0.49245831 0.011 08/23/95 04:55:13 17299.66106 480.3 424.89 33.05 0.0536492 0.0004 105.5789 0.446140 0.508 0.33510047 0.011 08/23/95 04:55:13 17296.6106 480.3 424.89 33.05 0.0536492 0.0004 105.5789 0.446140 0.0004 08/23/95 04:55:13 17296.6106 480.3 424.89 33.05 0.0536492 0.0004 105.5789 0.446140 0.0004 08/23/95 05:55:13 17296.6106 480.3 424.89 33.95 0.04637877 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:55:13 17296.6106 480.3 424.89 33.95 0.04637877 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:55:13 17296.8649 342.4 42.89 33.95 0.04637877 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:55:13 17296.8649 384.4 427.89 33.95 0.03482744 0.0003 77.8208 0.339 0.33830815 0.01 08/23/95 05:55:13 17244.0809 386.7 415.28 31.36 0.04379791 0.0004 97.4889 0.46 0.4391071 0.011 08/23/95 05:55:13 174	08/23/95	03:35:12	16039.3917	301.6	414.41	26.78	0.02473948	0.0003	49.1412	0.282	0.2170376	0.009
08/23/95 03:55:12 16078.0499 330.2 423.46 31.8 0.04621153 0.0004 65.7258 0.332 0.28309962 0.011 08/23/95 03:55:11 16251.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:00:12 166614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:15:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:45:12 17703.505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04637877 0.0004 106.1714 0.502 0.44749483 0.012 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04637877 0.0004 106.1714 0.502 0.44749483 0.012 08/23/95 04:55:13 17219.5016 461.2 424.99 31.95 0.04637877 0.0004 106.1714 0.502 0.44749483 0.012 08/23/95 04:55:13 17218.0516 461.2 424.99 31.95 0.04637877 0.0004 106.1714 0.502 0.435120 0.011 08/23/95 04:55:13 17240.8881 394.6 420.82 30.87 0.0413784 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:05:13 17240.8881 394.6 420.82 30.87 0.0413784 0.0004 97.889 0.46 0.4591071 0.011 08/23/95 05:05:13 17240.8881 394.6 420.82 30.87 0.0413784 0.0004 97.889 0.46 0.4591071 0.011 08/23/95 05:05:13 17240.8881 394.6 420.82 30.87 0.03382917 0.0004 97.889 0.46 0.32488409 0.011 08/23/95 05:05:13 17240.8891 394.6 420.82 30.87 0.03329230 0.0004 90.8427 0.336 0.33830815 0.01 08/23/95 05:05:13 17240.8891 394.6 420.82 30.85 0.03329232 0.0003 77.8208 0.339 0.33848015 0.01 08/23/95 05:05:13 1			16369.7132	365	422.32	28.03	0.03156358	0.0003	74.0204	0.364	0.33260658	0.01
08/23/95 03:55:11 16251.4512 362.3 433.50 33.86 0.05830427 0.0004 94.8553 0.447 0.3306068 0.012 08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:10:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 110.66788 0.498 0.41484944 0.011 08/23/95 04:35:13 17212.0516 451.2 427.65 31.19 0.04415369 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17212.0515 390.1 422.97 31.84 0.05016215 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:45:12 1708.5643 472.5 426.38 33.15 0.04862662 0.0004 105.6788 0.498 0.4449483 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0344 0.508 0.33510047 0.011 08/23/95 04:55:13 17212.0515 461.2 427.89 33.05 0.0536492 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17212.0515 461.2 424.99 31.95 0.04637877 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17212.0515 461.2 424.99 31.95 0.04637877 0.0004 105.1714 0.503 0.43572208 0.011 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.489 0.46 0.4591071 0.011 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33830815 0.01 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33830815 0.01 08/23/95 05:05:13 17240.8099 388.7 415.28 31.36 0.04319519 0.0004 90.8427 0.436 0.32488409 0.01 08/23/95 05:05:13 17240.8099 388.7 415.28 31.36 0.03329232 0.0003 80.9274 0.393 0.33830815 0.01 08/23/95 05:05:13 17240.8099 388.7 415.28 31.36 0.03329232 0.0003 80.9274 0.393 0.33830815 0.01 08/23/95 05:05:13 17492.9992 421.4 415.65 8.85 0.03329232 0.0003 80.9274 0.393 0.38486786 0.01 08/23/95 05:35	08/23/95	03:45:12	16144.3995	344.6	416.57	27.13	0.02517161	0.0003	52.7143	0.291	0.30033077	0.009
08/23/95 04:00:12 16614.0366 457.4 439.92 34.65 0.06011196 0.0004 122.2081 0.585 0.44802868 0.012 08/23/95 04:05:12 16651.7186 428.5 432.36 32.71 0.0497016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537766 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 116.5799 0.558 0.33510047 0.011 08/23/95 04:45:12 17185.6643 472.5 428.8 33.15 0.053646262 0.0004 116.5799 0.558 0.42485831 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 116.5179 0.558 0.42485831 0.011 08/23/95 04:55:13 17219.66106 480.3 424.86 32.3 0.04627921 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 05:05:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 106.1714 0.503 0.43572208 0.011 08/23/95 05:05:13 17296.8106 480.3 424.86 32.3 0.04627921 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17296.8106 480.3 424.86 32.3 0.04627921 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17296.881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17296.881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17443.7427 405.6 13.49 29.2 0.0342274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:05:13 17443.7427 405.6 420.82 30.87 0.03329329 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:05:13 17443.7427 405.6 420.82 30.87 0.03329232 0.0003 77.8208 0.381 0.3840816 0.01 08/23/95 05:35:13 17449.504 274.3 405.9 12.8 5.5 0.03329232 0.0003 77.8221 0.381 0.3840816 0.01 08/23/95 05:35:13 17492.9992 421.4 415.46 28.7 0.03207504 0.0003 77.8221 0.381 0.3840816 0.01 08/23/95 05:35:13	08/23/95	03:50:12	16078.0499	330.2	423.46	31.8	0.04621153	0.0004	65.7258	0.332	0.28309962	0,011
08/23/95 04:05:12 16651,7186 428.5 432.36 32.71 0.04970016 0.0004 108.8157 0.517 0.40734639 0.011 08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 93.1618 0.438 0.47247413 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 116.5179 0.558 0.42485831 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17296.6106 480.3 424.99 31.95 0.04637877 0.0004 106.1714 0.503 0.43572208 0.011 08/23/95 05:05:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:05:13 17286.6106 480.3 424.86 32.3 0.04627921 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:05:13 17280.8881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17284.0809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17244.0809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17248.0809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17248.0809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17249.5992 421.4 415.65 28.57 0.03132246 0.0003 77.8028 0.383 0.35414039 0.01 08/23/95 05:30:13 17612.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.393 0.38486786 0.01 08/23/95 05:30:13 17649.5404 274.3 405.91 28.55 0.03809232 0.0003 80.9274 0.393 0.38486786 0.01 08/23/95 0	08/23/95	03:55:11	16251.4512	362.3	433.50	33.86	0.05830427	0.0004		0.447		0.012
08/23/95 04:10:12 16809.1058 445.8 432.77 32.08 0.04851832 0.0004 113.6225 0.538 0.42345227 0.011 08/23/95 04:15:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05216722 0.0004 117.3522 0.559 0.3744174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05216722 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04862662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17210.515 461.2 424.99 31.95 0.04637877 0.0004 106.1714 0.503 0.43572208 0.011 08/23/95 04:55:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:05:13 17280.8726 423.7 421.17 29.82 0.03948113 0.0004 83.4314 0.4 0.339459433 0.01 08/23/95 05:05:13 17280.891 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17240.899 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33990161 0.011 08/23/95 05:05:13 17240.899 394.6 420.82 30.87 0.0413784 0.0004 97.8020 0.39 0.33830815 0.01 08/23/95 05:05:13 17443.7427 405.6 413.49 29.2 0.03422274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:25:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:35:13 17520.557 419.6 415.46 28.7 0.03207504 0.0003 77.8208 0.383 0.3840816 0.01 08/23/95 05:35:13 17520.557 419.6 415.46 28.7 0.03207504 0.0003 77.8208 0.383 0.3840816 0.01 08/23/95 05:35:13 17520.557 419.6 415.46 28.7 0.03207504 0.0003 77.8208 0.381 0.38240816 0.01 08/23/95 05:35:14 1714.5258 289.6 408.97 24.12 0.00929961 0.0003 47.0004 0.292 0.21973031 0.008 08/23/95 05:55:14 17540.409 4	08/23/95	04:00:12		457.4	439.92	34.65		0.0004	122.2081	0.585		0.012
08/23/95 04:25:12 17005.2174 473.1 429.41 32.09 0.04537786 0.0004 110.4651 0.522 0.45031298 0.011 08/23/95 04:20:12 17216.2373 484.3 429.63 31.24 0.04403685 0.0004 93.1618 0.438 0.47247413 0.011 08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:30:13 17222.0407 420.3 425.81 33.11 0.05246722 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:40:12 17233.9656 454.4 427.89 33.05 0.0536492 0.0004 116.5179 0.558 0.42485831 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.0462662 0.0004 105.0384 0.502 0.44749483 0.012 08/23/95 04:55:13 17212.0515 461.2 424.99 31.95 0.04637877 0.0004 106.1714 0.503 0.43572208 0.011 08/23/95 04:55:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:00:13 17380.3726 423.7 421.17 29.82 0.03948113 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:00:13 17380.3726 423.7 421.17 29.82 0.03948113 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17220.881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17240.809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17240.809 388.7 415.28 31.36 0.04319519 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17443.7427 405.6 413.49 29.2 0.03422274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:30:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:30:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:30:13 17612.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.399 0.389486786 0.01 08/23/95 05:30:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:30:13 17612.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.399 0.389486786 0.01 08/23/95 05:30:13 17619.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.399 0.389486786 0.01 08/23/95 05:30:13 170	08/23/95	04:05:12	16651.7186	428.5	432.36	32.71	0.04970016	0.0004	108.8157	0.517	0.40734639	0.011
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08/23/95 04:25:13 17219.5061 451.2 427.65 31.19 0.04415369 0.0004 105.6788 0.498 0.41484944 0.011 08/23/95 04:30:13 17222.0407 420.3 425.81 33.11 0.05246722 0.0004 117.3522 0.559 0.37941174 0.012 08/23/95 04:35:13 17107.3505 390.1 422.97 31.84 0.05016215 0.0004 106.9194 0.508 0.33510047 0.011 08/23/95 04:40:12 17233.9656 454.4 427.89 33.05 0.0536492 0.0004 116.5179 0.558 0.42485831 0.011 08/23/95 04:45:12 17185.6643 472.5 426.38 33.15 0.04662662 0.0004 105.0384 0.502 0.444749483 0.012 08/23/95 04:55:13 17212.0515 461.2 424.99 31.95 0.04662662 0.0004 105.0384 0.502 0.444749483 0.012 08/23/95 04:55:13 17296.6106 480.3 424.86 32.3 0.04627921 0.0004 97.4889 0.46 0.4591071 0.011 08/23/95 05:00:13 17380.3726 423.7 421.17 29.82 0.03948113 0.0004 83.4314 0.4 0.39459433 0.01 08/23/95 05:05:13 17220.8881 394.6 420.82 30.87 0.0413784 0.0004 97.5019 0.459 0.33590161 0.011 08/23/95 05:05:13 17244.0809 388.7 415.28 31.36 0.04319519 0.0004 90.8427 0.436 0.32488409 0.011 08/23/95 05:25:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:30:13 17443.7427 405.6 413.49 29.2 0.0342274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:35:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:35:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:35:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:35:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 77.8208 0.383 0.38486786 0.01 08/23/95 05:35:13 17492.9992 421.4 415.66 28.7 0.03207504 0.0003 77.8208 0.383 0.384486786 0.01 08/23/95 05:35:13 17492.9992 421.4 415.66 28.7 0.03207504 0.0003 77.8208 0.383 0.384486786 0.01 08/23/95 05:35:13 17492.9992 421.4 415.66 28.7 0.03207504 0.0003 77.8208 0.381 0.38240816 0.01 08/23/95 05:35:13 17492.9992 421.4 415.66 28.7 0.03207504 0.0003 77.8208 0.381 0.38240816 0.01 08/23/95 05:35:14 1750.8105 441.5 420.10 29.45 0.03809253 0.0004 84.3474 0.411 0.42096571 0.01 08/23/95 05:35:14 17547.0												
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08/23/95 05:10:12 17244.0809 388.7 415.28 31.36 0.04319519 0.0004 90.8427 0.436 0.32488409 0.011 08/23/95 05:15:12 17328.7391 391.9 414.74 30.19 0.03983917 0.0004 80.3520 0.39 0.33830815 0.01 08/23/95 05:20:13 17443.7427 405.6 413.49 29.2 0.03422274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:25:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 78.0119 0.379 0.36958338 0.01 08/23/95 05:30:13 17612.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.393 0.38486786 0.01 08/23/95 05:35:13 17520.557 419.6 415.46 28.7 0.03207504 0.0003 77.8521 0.381 0.38240816 0.01 08/23/95 05:40:13 17049.5404 274.3 405.91 25.43 0.01817014 0.0003 39.1796 0.27 0.16601884 0.009 08/23/95 05:45:14 17114.5258 289.6 408.97 24.12 0.00929961 0.0003 47.0004 0.292 0.21973031 0.008 08/23/95 05:50:14 17500.8105 441.5 420.10 29.45 0.03809253 0.0004 84.3474 0.411 0.42096571 0.01 08/23/95 05:55:14 17547.0409 445.8 419.52 30.26 0.03877871 0.0004 88.6261 0.426 0.42299123 0.011										+		
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08/23/95 05:20:13 17443.7427 405.6 413.49 29.2 0.03422274 0.0003 77.8208 0.383 0.35414039 0.01 08/23/95 05:25:13 17492.9992 421.4 415.65 28.57 0.03132246 0.0003 78.0119 0.379 0.36958338 0.01 08/23/95 05:30:13 17612.178 428.2 414.91 28.85 0.03329232 0.0003 80.9274 0.393 0.38486786 0.01 08/23/95 05:35:13 17520.557 419.6 415.46 28.7 0.03207504 0.0003 77.8521 0.381 0.38240816 0.01 08/23/95 05:40:13 17049.5404 274.3 405.91 25.43 0.01817014 0.0003 39.1796 0.27 0.16601884 0.009 08/23/95 05:45:14 17114.5258 289.6 408.97 24.12 0.00929961 0.0003 47.0004 0.292 0.21973031 0.008 08/23/95 05:50:14 17500.8105 441.5 420.10 29.45 0.03809253 0.0004 84.3474 0.411 0.42096571 0.01 08/23/95 05:55:14 17547.0409 445.8 419.52 30.26 0.03877871 0.0004 88.6261 0.426 0.42299123 0.011		+										
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08/23/95 05:55:14 17547.0409 445.8 419.52 30.26 0.03877871 0.0004 88.6261 0.426 0.42299123 0.011				+						0.292		
				441.5	+	29.45			84.3474	0.411		
08/23/95 06:00:14 17589.056 453.5 415.92 29.61 0.03488581 0.0004 73.2752 0.365 0.42686361 0.01				445.8						0.426		0.011
	08/23/95	06:00:14	17589.056	453.5	415.92	29.61	0.03488581	0.0004	73.2752	0.365	0.42686361	0.01

Site: Bee	f Processir	ng plant in SW	11.9								
	ata in ppm	ig plant in Saa	0.5.	 -			-				
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	06:05:13	17630.6135	398.1	414.80	28.01	0.03166566	0.0003	69.3149	0.354	0.36686615	0.01
	06:10:13	17662.3807	413.9	419.22	28.24	0.03156321	0.0003	85.9732	0.418	0.36465809	0.01
08/23/95	06:15:13	17750.3246	437.4	420.14	28.72	0.03404496	0.0003	80.4479	0.396	0.40073299	0.01
	06:20:14	17500.411	319.9	407.56	24.6	0.01754123	0.0003	38.5991	0.330	0.23723975	0.009
08/23/95	06:25:14	16564.0856	210.4	395.97	23.64	0.01734123	0.0003	6.3484	0.271	0.02613875	0.003
08/23/95	06:30:14	16482.3381	225	406.20	23.49	0	0.0003	29.7137	0.258	0.1119875	0.008
	06:35:14	16743.8967	307	413.35	23.72	0.00312815	0.0003	43.1238	0.287	0.24949676	0.008
	06:40:14	17149.5161	404.5	414.50	25.86		0.0003	52.5320	0.207	0.37167336	0.009
08/23/95	06:45:13	17366.496	387.3	413.45	25.45	0.01898825 0.01889118	0.0003	56.2373	0.322	0.3442512	0.009
	06:50:15	17840.6523	468.1	420.65	29.76	0.03773911	0.0003	84.0699	0.322	0.45341004	0.003
08/23/95	06:55:15	17973.8833	442.3	417.76	29.12	0.03773911	0.0003	77.3106	0.386	0.42231329	0.01
	07:00:15		442.1					65.3210	0.346	0.41504488	0.01
	07:05:15	18107.1461		418.41	27.43 26.52	0.02873221	0.0003	52.1533			0.009
	 -	17971.2147	356	414.16		0.02535675	0.0003	55.9508	0.305	0.30764018	0.009
	07:10:15	17875.3414	413.9	415.02 417.19	26.88	0.02640519	0.0003	68.8340	0.355	0.3769233	0.009
	07:15:15	17894.7156	426.2		29.59	0.03590103					į
	07:20:16	17886.983	452.3	418.73	30.34	0.03827272	0.0004	71.7965	0.367	0.4280274	0.011
	07:25:16	17997.5928		424.27	28.21	0.03515746	0.0003	80.3310	0.406	0.41518261	0.01
	07:30:16	17791.0087	372.3	414.59	27.29	0.02789915	0.0003	62.3300 77.2611	0.337	0.33673629	0.009
	07:35:16	17759.6218	363.3	421.76	29.12	0.03462336	0.0003		0.389	0.32178089	
	07:40:16	17658.7902	318.9	419.32	28.38	0.03680132	0.0003	73.1803	0.376	0.2712474	0.01
Run 8	00:54:40	21222 7001	465.0	205 75	40.74	0.00500000	0.0005	24.3720	0.105	0.15104220	0.014
<u> </u>	09:54:49	21332.7984	465.8	395.75	40.71	0.00562202			0.195	0.15124328	0.014
	09:59:50	21473.1997	512.4	395.12	43.5	0.00882214	0.0005	28.3562	0.206	0.15736493	0.015
	10:04:51	21614.8009	491.3	398.99	44.41	0.01092961	0.0005	29.6044	0.198	0.19993465	0.015
08/23/95	10:09:50	21466.4162	468.1	392.80	43.78	0.00871672	0.0005	29.0748	0.195	0.16958989	0.015
	10:14:50	21624.6077	451.1	396.41	40.57	0.00552412	0.0005	32.5305	0.208	0.15511728	0.014
	10:19:49	21451.225	434.7	393.17	37.92	0.00232056	0.0005	19.7796	0.193	0.09392729	0.013
08/23/95	10:24:56	21239.7229	439.4	393.61	35.63	0.00198905	0.0004	16.1313	0.187	0.08044596	0.012
08/23/95	10:29:49	21124.5898	456	391.99	36.17		0.0004	17.4885	0.188	0.06389432	0.013
	10:34:48	21215.8431	450.7	394.49	35.72	0	0.0004	15.9621	0.182	0.06951187	0.012
Run 9	10:44:54	D1400 0000	400.0	000.55	20.74	0.00440000	0.0004	00.0000	0.405	0.15075001	0.010
	10:44:51	21120.6993		399.55	36.71	0.00442833	0.0004	26.0036	0.195	0.15975201	0.013
	10:49:51	21070.3547	-	403.50	38.62	0.00952798	0.0005	27.6289	0.189	0.20861847	0.013
	10:54:50	21062.4073	486.7	398.70	39.52	0.00664866	0.0005	27.8129	0.187	0.17297602	0.014
	10:59:50	21267.1692	504.7	402.62	40.08	0.00942767	0.0005	32.6334	0.195	0.22837154	0.014
	11:04:50	21395.5791	486.5	401.03	39.75	0.00543578	0.0005	23.6516	0.176	0.17793873	0.014
	11:09:50	21425.1742	515.4	404.99	37.28	0.01031881	0.0004	27.2165	0.187	0.2432132	0.013
	11:14:50	21511.809	487.1	402.80	37.95	0.00410685	0.0005	22.4379	0.182	0.15228656	0.013
	11:19:51	21190.4077		397.96	35.9	0	0.0004	15.6338	0.171	0.07024776	0.012
	11:25:03	21686.2533	535.6	409.21	37.95	0.01033028	0.0005	29.3898	0.191	0.24648266	0.013
	11:29:55	21619.1421		418.15	38.47	0.00644853	0.0005	25.3293	0.178	0.19679135	0.013
08/23/95	11:34:54	21511.419	495.6	417.26	41.44	0.00255716	0.0005	18.4632	0.166	0.15053913	0.014
Run 10	44.04.55	010010===	43.4	400.51	06.55	0.000000	0.00	10 1555	0.000	0.4077577	
08/23/95		21334.9755			21.29	0.00356242	0.0003	19.1303	0.206	0.18502298	0.007
08/23/95		21698.3079		488.57	21.31	0.00412437	0.0003	17.1452	0.207	0.18559663	0.007
08/23/95		21231.7353		455.02	19.64	0.00066832	0.0002	16.0050	0.201	0.12531059	0.007
08/23/95		21536.3793		456.02	19.66	0.00646046	0.0002	27.9815	0.208	0.22578184	0.007
08/23/95		21412.7063		446.93	19.68	0.00501798	0.0002	21.0542	0.199	0.17139175	0.007
08/23/95		21332.3664		453.90	19.5	0.00189638	0.0002	16.2844	0.182	0.1473598	0.007
08/23/95		21297.7389		462.10	20.08	0.00078057	0.0002	16.8370	0.182	0.14206447	0.007
08/23/95		20785.9019		451.31	19.77	0.00055704	0.0002	11.0789	0.19	0.06784732	0.007
	12:24:52	21635.4523			20.66	0.00870103	0.0002	25.1633	0.196	0.27698287	0.007
08/23/95		21870.6856		472.20	21.27	0.00558684	0.0003	19.2362	0.182	0.27543115	0.007
08/23/95		22129.5882	526.7	470.57	21.7	0.00915904	0.0003	26.6067	0.213	0.32983724	0.008
08/23/95		21671.5628		466.12	21.08	0.00749463	0.0003	28.6427	0.21	0.27305064	0.007
08/23/95	12:44:51	21985.3774	503	464.56	21.38	0.01074647	0.0003	30.9396	0.211	0.34388708	0.007
08/23/95	12:49:52	21546.4364	475.5	465.20	20.94	0.00436335	0.0002	20.8877	0.191	0.2518435	0.007
08/23/95	12:54:52	21401.8641	492.5	468.49	20.71	0.00761768	0.0002	24.0152	0.199	0.25496814	0.007
08/23/95		21572.0607	478.2		20.71	0.00380744	0.0002	18.5848	0.193	0.17682201	0.007
08/23/95		21905.4261	533.1	465.60	21.21	0.0081763	0.0003	32.8199	0.214	0.34318057	0.007
08/23/95		21510.1819	475.8	458.40	20.3	0.00302245	0.0002	23.1997	0.194	0.19634699	0.007
08/23/95		21878.4925	466.9		20.44	0.00649982	0.0002		0.185	0.24284657	0.007

Site: Bee	Processir	g plant in SW	U.S.			i					
	ata in ppm										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	13:19:53	21694.0496	528.6	472.33	21.12	0.01032906	0.0003	27.7690	0.196	0.32918253	0.007
08/23/95	13:24:51	22129.3615	560.3	472.81	21.47	0.00932373	0.0003	28.5340	0.204	0.38923754	0.007
08/23/95	13:29:52	22125.8056	523.2	468.37	21.83	0.00875243	0.0003	27.0183	0.209	0.33640749	0.008
08/23/95	13:34:52	21938.1362	514	450.42	20.04	0.00392449	0.0002	19.7754	0.184	0.22111711	0.007
08/23/95	13:39:52	21805.2892	467.3	460.93	19.82	0.00235686	0.0002	16.4187	0.177	0.17092813	0.007
08/23/95	13:44:51	21893.3303	467.1	461.89	20.04	0.0022438	0.0002	14.8717	0.186	0.13597436	0.007
08/23/95	13:49:52	21955.3838	466.1	471.78	20.57	0.00392593	0.0002	23.0442	0.194	0.22119824	0.007
08/23/95	13:54:52	22324.4258	466.5	466.75	19.53	0.00370974	0.0002	14.2370	0.173	0.16457754	0.007
08/23/95	13:59:52	21405.1312	495.2	477.62	20.46	0.00426948	0.0002	21.3917	0.182	0.28965025	0.007
08/23/95	14:04:52	22757.1018	566.2	478.15	21,14	0.00854841	0.0003	26.4195	0.208	0.36195763	0.007
08/23/95	14:09:53	21848.6781	525.2	458.16	20.64	0.00932039	0.0002	25.6908	0.183	0.32228336	0.007
08/23/95	14:14:53	21157.0071	468.9	459.53	20.04	0.00584249	0.0002	19.5790	0.179	0.17089285	0.007
08/23/95	14:19:53	22153.6557	493.3	471.97	20.67	0.00247635	0.0002	13.9522	0.183	0.14880615	0.007
08/23/95	14:24:54	22004.2567	518.5	468.23	20.56	0.00382779	0.0002	19.4054	0.178	0.25803785	0.007
08/23/95	14:29:53	20809.2572	424	442.09	21.37	0.00134851	0.0003	9.9651	0.152	0.06607719	0.007
08/23/95	14:34:56	21519.2694	458.9	454.16	22.23	0.00359999	0.0003	20.3861	0.171	0.18022443	0.008
08/23/95	14:39:53	22082.8656	521.4	445.95	21.71	0.00393752	0.0003	31.2404	0.197	0.24243891	800.0
08/23/95	14:44:52	21973.7247	481.5	452.92	21.52	0.00225166	0.0003	20.1046	0.177	0.18497387	0.007
08/23/95	14:49:53	22343.0405	507.5	482.03	22.18	0.00778385	0.0003	23.1398	0.188	0.29849382	0.008
08/23/95	14:54:53	21528.1248	462.5	454.73	20.78	0	0.0002	12.2248	0.172	0.11790068	0.007
08/23/95	14:59:54	21781.1034	473.6	465.34	21.57	0.00484372	0.0003	17.2672	0.174	0.22213547	0.008
08/23/95	15:04:54	21309.7324	506.4	471.56	21.02	0.00506809	0.0003	28.2802	0.197	0.27367674	0.007
08/23/95	15:09:54	20522.9071	455	464.92	21.67	0.00123888	0.0003	21.4909	0.177	0.14202041	0.008
08/23/95	15:14:55	21663.798	496.9	471.80	21.66	0.00394765	0.0003	21.0932	0.19	0.22039163	0.008
08/23/95	15:19:55	20660.8905	468.2	459.61	21.29	0.00463114	0.0003	15.9361	0.164	0.16999689	0.007
08/23/95	15:24:55	20397.304	456.7	451.03	21.94	0.00407453	0.0003	12.8006	0.147	0.11023857	0.008
08/23/95	15:29:58	19420.1734	428.7	464.10	22.25	0.00192761	0.0003	8.9851	0.145	0.077331	0.008
08/23/95	15:34:56	21131.9279	480.1	475.07	23.28	0.00498638	0.0003	21.5169	0.17	0.27119094	0.008
08/23/95	15:39:56	20676.9633	506.5	453.71	23.49	0.00711752	0.0003	23.3660	0.17	0.298371	0.008
08/23/95	15:44:57	19670.0876	491.8	461.48	21.8	0.00519787	0.0003	19.7978	0.167	0.24192685	0.008
08/23/95	15:49:57	18454.8009	436	462.87	24.1	0.00214499	0.0003	16.8809	0.156	0.1246351	0.008
08/23/95	15:54:57	18198.2892	437.5	443.47	24.56	0.00101532	0.0003	10.6223	0.147	0.02854165	0.009
08/23/95	15:59:58	20149.6268	516.8	450.00	23.64	0.00678732	0.0003	37.7605	0.215	0.31323477	0.008
08/23/95	16:05:04	19955.8906	496.6	471.07	21.81	0.00554601	0.0003	29.5434	0.197	0.28012993	0.008
Run 11											
08/23/95	16:59:50	20560.8944	403.4	470.43	21.95	0.00045299	0.0003	20.0087	0.166	0.14190002	800.0
08/23/95	17:04:50	19617.8436	406.5	451.98	25.05	0	0.0003	3.5816	0.148	0	0.009
08/23/95	17:09:51	20178.9192	432	471.56	25.7	0	0.0003	14.6370	0.157	0.13263023	0.009
08/23/95	17:14:51	19876.7669	427.1	461.77	24.67	0.00147169	0.0003	13.9736	0.158	0.17331987	0.009
08/23/95	17:19:51	19548.0203	404.7	459.23	25.18	0	0.0003	8.6949	0.144	0.04685061	0.009
08/23/95	17:24:52	20009.8463	439	449.39	25.93	0.00124484	0.0003	20.6979	0.161	0.20619024	0.009
08/23/95		19315.3495	403	447.76	26.36	0	0.0003	5.2603	0.138	0	0.009
	17:34:51			460.84	26.49	0.0015852	0.0003	19.3383	0.163		0.009
08/23/95			387.9		25,9	0	0,0003	10.0939	0.139	0.04545995	0.009
	17:44:52	19380.4362	448.8	468.71	27.03	0.00316925	0.0003	30.1805	0.177	0.24969188	0.009
08/23/95		19800.7242	517.8	463.45	27.44	0.00452585	0.0003	30.5858	0.18	0.34124939	0.01
	17:54:52	19071.6091	425.2	458.70	26.71	0.00090517	0.0003	24.2195	0.168	0.09787159	0.009
08/23/95		18506.0734		454.32	26.9	0	0.0003	9.3883	0.137	0	0.009
08/23/95		19374.9547	447.8	450.56	27.43	0.00554013	0.0003	27.3694	0.17	0.26015984	0.01
08/23/95	18:09:51	19894.0874		465.60	28.64	0.0180036	0.0003	39.3226	0.211	0.41827224	0.01
08/23/95	18:14:52	19588 9704	469	463.42	27.09	0.01041148	0.0003	34.9782	0.182	0.31777643	0.009
08/23/95	18:19.52	18849.4629	385.7	439.00	27.32	0	0.0003	16.6284	0.148	0.09317551	0.01
	18:24:52		379.2	457.86	27.85	0.00045176	0.0003	22.4957	0.159	0.12784943	0.01
08/23/95	18:29:53		 -	471.05	28.8	0.00440229	0.0003	37.4430	0.195	0.26120263	0.01
08/23/95		19233.0095	494.6		29.3	0.01241218	0.0003	38.9242	0.198	0.35656804	0.01
08/23/95		19504.4272		460.29	29.17	0.01376372	0.0003	34.6969	0.186	0.38854295	0.01
08/23/95	18:44:54	19229.6841	436.1	463.80	24.87	0.0030461	0.0003	23.3334	0.167	0.26659007	0.009
Run 12								I			
08/23/95	19:24:51	18882.2438	383.5	438.84	36.69	0	0.0004	13.7412	0.129	0.02127215	0.013
08/23/95		18958.4641	390.3		37.52	0	0.0004	19.3775	0.142	0.04927023	0.013
08/23/95		18947.903		434.27	37.18	0	0.0004	20.4952	0.139	···	0.013
	19:39:51	18855.5316	367.4	433.81	37.44	0	0.0004	12.8498	0.134		
						<u> </u>	2.2304		<u> </u>		3,3,0

Site: Bee	f Processir	ng plant in SW	U.S.			<u></u>					
	ata in ppm		1								
Date	Time	H2O		CO2	_	SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	19:44:52	18635.3607	373.2	431.65	37.3	0	0.0004	10.6015	0.129	0.0203194	0.013
08/23/95	19:49:52	18696.1319	376.1	420.67	37.34	0	0.0004	11.5431	0.134	0	0.013
	19:54:51	18474.4219	345.4	415.21	37.14	0	0.0004	11.9730	0.129	0	0.013
08/23/95		18324.5185	377.8	412.25	37.61	0	0.0004	8.0592	0.132	0	0.013
08/23/95		18241.5836	353.6	421.13	37.46	0	0.0004	20.3732	0.14	0	0.013
	20:09:51	18189.7446	360.8	413.55	36.87	0	0.0004	15.8325	0.133	0	0.013
	20:14:52	18193.9701	345.8	412.38	36.84	0	0.0004	13.8446	0.133	0.01755053	0.013
08/23/95		18149.4684	352.3	411.41	36.37	0	0.0004	11.5287	0.138	0.01898971	0.013
08/23/95		18028.4274	336.3	411.18	36.77	0	0.0004	10.6976	0.132	0	0.013
08/23/95	20:29:51	17885.0407	332.5	408.57	36.83	0	0.0004	15.1214	0.137	0	0.013
08/23/95		17744.9433	336.3	407.64	37.08	0	0.0004	15.8119	0.14	0	0.013
08/23/95		17482.6632	328.7	404.55	37.01	0	0.0004	9.9529	0.133	0	0.013
08/23/95	20:44:51	17361.3718	320.9	406.40	37.31	0	0.0004	9.8263	0.133	0	0.013
08/23/95		17318.9295	322.8	403.35	37.23	0	0.0004	11.0545	0.135	0	0.013
08/23/95	20:54:52	17269.8348	279	404.16	37.43	0	0.0004	17.2667	0.141	0	0.013
08/23/95	20:59:53	17173.6582	316.2	403.46	37.3	0	0.0004	27.5110	0.156	0	0.013
08/23/95	21:04:53	17113.8956	313.2	403.46	37.39	0	0.0004	15.0168	0.142	0	0.013
08/23/95		17028.9526	304.2	402.86	37.47	0	0.0004	12.6892	0.14	0	0.013
	21:14:52	16909.4121	306.6	399.97	37.34	0	0.0004	14.4845	0.141	0.01918902	0.013
08/23/95	21:19:53	16881.6037	309.5	397.83	37.32	0	0.0004	16.2092	0.149	0	0.013
	21:24:53	16859.3532	312.1	398.24	36.99	0	0.0004	17.9876	0.154	0.03014755	0.013
08/23/95	21:29:51	16706.842	306.2	399.01	36.99	0	0.0004	16.3303	0.146	0.01651465	0.013
08/23/95	21:34:51	16593.9269	307.9	396.79	37.17	0	0.0004	16.6102	0.147	0.01628387	0.013
08/23/95	21:39:52	16477.0563	311.6	394.73	37.37	0	0.0004	20.3153	0.151	0.02180632	0.013
	21:44:52	16332.9893	298.6	394.69	37.27	0	0.0004	19.6429	0.152	0.02345788	0.013
08/23/95	21:49:52	16268.2778	299.1	394.40	37.44	0	0.0004	16.6485	0.148	0.01923879	0.013
	21:54:52	16201.8109	292.6	396.94	37.72	0	0.0005	28.9518	0.167	0.02143813	0.013
08/23/95	21:59:52	16122.8952	295.9	394.21	37.89	. 0	0.0005	26.3747	0.164	0	0.013
08/23/95	22:04:52	16056.3012	308.8	388.99	38.22	. 0	0.0005	14.7040	0.149	0	0.013
08/23/95	22:09:51	15966.797	285.2	389.87	38.06	O	0.0005	15.3147	0.15	0	0.013
08/23/95	22:14:52	16045.5732	305.3	390.39	38.32	0	0.0005	19.6007	0.157	0.02424768	0.013
08/23/95	22:19:51	15914.6762	295.3	389.73	38.01	0	0.0005	30.6673	0.176	0.04877108	0.013
08/23/95	22:24:52	15892.5398	294.3	392.08	38.19	0	0.0005	36.9245	0.188	0.07815119	0.013
08/23/95	22:29:52	15816.163	284.5	390.43	38.07	0	0.0005	33.6891	0.183	0.07315677	0.013
08/23/95	22:34:51	15707.2755	281.6	388.37	38.11	0	0.0005	26.9679	0.171	0.05114513	0.013
	22:39:51	15780.333	293	391.71	38.27	0	0.0005	27.4086	0.175	0.09682804	0.013
08/23/95	22:44:52	15762.0884	304	391.49	38.19	0	0.0005	36.5177	0.192	0.1071593	0.013
	22:49:52	15795.9394	328.7	391.67	38.03	0	0.0005	37.2675	0.194	0.15941511	0.013
08/23/95	22:54:52	15922.0652	374.5	393.98	38.08	0.00098879	0.0005	35.1019	0.191	0.23895787	0.013
	22:59:51	15768.2566	332.8	392.70	37.87	0	0.0005	32.8342	0.186	0.16180176	0.013
08/23/95	23:04:51	15847.796	345.2	389.03	38.02	0	0.0005	30.8903	0.187	0.1838053	0.013
08/23/95	23:09:52	16015.8905	431.5	395.85	38.49	0.00461436	0.0005	38.8966	0.202	0.31520466	0.013
08/23/95	23:14:52	15778.6914	362.6	392.11	37.53	0.00076863	0.0004	34.4677	0.193	0.21126245	0.013
08/23/95		15822.6027	388	401.70	35.35	0.0110881	0.0004	44.4943	0.223	0.30234273	0.012
08/23/95		15926.4372	486.5	408.74	38.98	0.03334897	0.0005	76.4191	0.329	0.43123291	0.014
08/23/95		15978.7962		401.86	38.29	0.03069304	0.0005	67.6514	0.295	0.42224853	0.013
08/23/95		15862.1987	496.8	399.11	38.82	0.02912544	0.0005	52.3590	0.245	0.43447279	0.013
08/23/95		15818.8949	481.3	397.75	37.33	0.02189057	0.0004	47.2756	0.238	0.40530398	0.013
08/23/95		15781.2217		406.54	39.72	0.0393956	0.0005	80.8620	0.357	0.45786444	0.014
08/23/95	23:49:52	15700.3356	479.7	409.78	40.93	0.04310003	0.0005	104.6932	0.477	0.43461023	0.014
08/23/95	23:54:53	15328.9124	371.4	399.25	37.24	0.03188791	0.0004	68.3830	0.332	0.29463557	0.013
08/23/95		14947.8782	309.3	391.63	36.32	0.00784345	0.0004	44.7152	0.247	 -	0.013
08/24/95	00:04:53	14713.4375	249	389.41	35.45	0	0.0004	40.3576	0.228	0.08075456	0.012
08/24/95		15128.6319	392.7	398.09	35.83	0.01513931	0.0004	62.1015	0.288	0.32391579	0.012
08/24/95	00:14:54	15285.1006	480.5	398.38	38.39	0.03028435	0.0005	68.8243	0.314	0.43487458	0.013
08/24/95		15370.3695	528.4		43.05	0.05763834	0.0005	92.0146	0.41	0.50567021	0.015
08/24/95		15458.6759		406.17	40.6	0.0463419	0.0005	85.1632	0.383	0.45556812	0.014
08/24/95		15335.8988		398.74	38.95	0.03300151	0.0005	61.6799	0.29	0.44143601	0.014
08/24/95		15382.2566		398.08	38.91	0.03450669	0.0005	58.1112	0.28	0.43628652	0.014
08/24/95	00:39:55	15390.855	494.4		40.49	0.04765105	0.0005	71.9329	0.33	0.44604867	0.014
08/24/95	00:44:55	15470.4321	505.3	406.82	44.49		0.0005	91.5289	0.41	0.46928907	0.015
08/24/95		15505.4792		409.94		0.06433267		108.9850	0.499		0.015

Site: Bee	/ Processir	ng plant in SW	US	Γ			_				
	ata in ppm	ig plant in Ott	J.J.								
Date	Time	H2O		CO2	 	SF6		CH4		NH3	
	7	ppm	95% CI		95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/24/95	00:54:54	15349.527	480.4	399.91	40.21	0.04403566	0.0005	79.4010	0.365	0.43046219	0.014
1	00:59:54	15091.7249		395.86	36.33	0.01552189	0.0004	53.6008	0.273	0.35548378	0.013
	01:04:55	15164.926	460.6	399.12	38.46	0.03451705	0.0005	61.3167	0.297	0.41702678	0.013
08/24/95	01:09:55	15175.2564		401.98	40.3	0.04332561	0.0005	77.0500	0.355	0.40230924	0.014
08/24/95		15012.7118	442.4	396.43	36.98	0.01789616	0.0004	58.2677	0.294	0.38547251	0.013
	01:19:54	14989.5745	446.1	399.59	36.31	0.01669037	0.0004	54.1932	0.279	0.39493308	0.013
08/24/95		14880.3108	375.8	390.96	34.72	0.00173373	0.0004	38,1347	0.241	0.29603502	0.012
08/24/95		15130.2695	446.5	394.43	36.14	0.01582936	0.0004	47.5547	0.264	0.40440771	0.013
	01:34:55	15189.4319	487.7	396.35	38.77	0.03383358	0.0005	62.8372	0.306	0.45534354	0.013
08/24/95	01:39:55	15062.3482	457.4	396.85	36.65	0.02102953	0.0004	49.7036	0.27	0.41408666	0.013
08/24/95		14968.7312	432.9	396.48	34.83	0.00877703	0.0004	46.6433	0.264	0.38326349	0.012
08/24/95		14977.1075	431.2	391.67	35.21	0.00974853	0.0004	47.7307	0.271	0.37466869	0.012
08/24/95		15106.8261		398.03	39.02	0.03759318	0.0005	68.2267	0.333	0.41937525	0.014
1	01:59:56	15027.2583	455.3	397.96	35.78	0.01646419	0.0004	57.8498	0.295	0.41333788	0.012
08/24/95		14752.4651	361.4	390.83	34.1	0.00238116	0.0004	41.8392	0.255	0.28433193	0.012
08/24/95		14919.6415	370.9	393.47	33.8	0.00801241	0.0004	44.9318	0.263	0.29786661	0.012
08/24/95	•	15117.632	446.3	396.85	36.76	0.02753351	0.0004	55.4552	0.292	0.4029215	0.013
	02:19:56	15217.0298		407.06	42.77	0.0552417	0.0005	98.5009	0.461	0.4693378	0.015
08/24/95		15271.3761	497.9	410.57	41.02	0.05071171	0.0005	109,7793	0.52	0.47146719	0.014
08/24/95		15168.4627	435.2	408.03	40.66	0.04880772	0.0005	108.2417	0.509	0.39360713	0.014
08/24/95		14927.1983	434.7	414.17	43.12	0.06385956	0.0005	133.7092	0.664	0.39963722	0.015
08/24/95		14927.1963	463.6	411.59	44.03	0.06428099	0.0005	123.8545	0.597	0.44096978	0.015
	02:44:56	14858.9303		418.28	46.74	0.07329177	0.0006	141.5348	0.707	0.505453	0.016
08/24/95	+~-	14826.5246	482.6	411.51	44.26	0.06472385	0.0005	96.8215	0.467	0.46518916	0.015
08/24/95		14685.1199	422.5	401.37	40.84	0.04517268	0.0005	63.2957	0.407	0.37867243	0.014
08/24/95		14811.4521	465.4	402.66	40.64	0.04317208	0.0005	67.7356	0.338	0.43032923	0.014
08/24/95	03:04:56	14922.4532	442.6	399.76	35.96	0.04700383	0.0004	65.1318	0.33	0.43032523	0.012
	03:09:56		417.1	405.21	34.93		0.0004		0.33		0.012
08/24/95		14839.8863 14706.194	396.4	394.74	34.41	0.01644213	0.0004	51.2062 42.8729	0.266	0.36172683	0.012
											+
08/24/95 08/24/95		14737.0933 14629.078	394.2	394.27	36.67	0.02614761	0.0004	55.5628	0.3	0.33419234	0.013
			355.7	385.40	33.88	0.00669513	0.0004	47.6583	0.278	0.26737331	0.012
08/24/95		14871.8625	385.9	398.34	34.64	0.02042497	0.0004	52.0616	0.292	0.33285134	0.012
08/24/95		15003.437	414.6	392.16	36.19	0.02759437	0.0004	52.6904	0.299	0.337517	0.013
08/24/95		15092.5426	438.9	393.16	38.33	0.03611562	0.0005	59.5397	0.314	0.36721147	0.013
08/24/95		15028.0968	450.4	394.68	39.5	0.03935953	0.0005	67.6201	0.344	0.39316281	0.014
08/24/95		15009.9825		401.52	38.92	0.04118988	0.0005	69.6178	0.348	0.41946652	0.014
08/24/95		14983.3893	450.9	403.96	42.81	0.05306169	0.0005	75.2430	0.369	0.40244752	0.015
08/24/95		14992.3605	410.6	402.28	40.7	0.04908191	0.0005	82.2285	0.396	0.36346558	0.014
08/24/95		15086.6944	438	403.77	40.69	0.05139146	0.0005	103.1722	0.496	0.3778084	0.014
08/24/95		15129.3629	462.5	402.41	40.78	0.0479476	0.0005	93.6155	0.445	0.39418775	0.014
08/24/95		14996.1983		396.62	39.27	0.0459555	0.0005	68.9597	0.348	0.32504054	0.014
	04:19:58			398.79		0.03477149	0.0004			0.35775758	0.013
08/24/95		14864.1247		404.78	38.93	0.0399701	0.0005		0.392		0.014
08/24/95		14892.5969		402.26	40.09	0.04738834	0.0005	99.1431	0.475	0.41783965	0.014
08/24/95		14902.1569		406.22	41.39	0.05003268		102.4394	0.496	0.45451763	0.014
08/24/95		14767.9739		404.55	39.88	0.04709072	0.0005	114.0840	0.55	0.33125884	0.014
08/24/95		14679.2183		397.33	38.89	0.05130285	0.0005	85.4424	0.412	0.25618956	0.014
08/24/95		14927.4714		397.58	41.92	0.05129306	0.0005		0.457	0.3145758	0.015
08/24/95		14924.5496		400.39	39.67	0.04739739	0.0005	93.2714	0.447	0.33275562	0.014
08/24/95		14969.7827		390.11	38.94	0.04155387	0.0005	77.2589	0.383	0.30213128	0.014
08/24/95		14886.675		394.98	37.24	0.03408716	0.0004	66.5661	0.337	0.26858519	0.013
08/24/95		14935.0453	381.1	390.98	36.37	0.03215773	0.0004	72.0589	0.358	0.26668177	0.013
08/24/95	05:14:59	14900.2889	401.3	405.06	36.32	0.03497288	0.0004	74.7324	0.369	0.31464767	0.013
08/24/95		14834.3637		399.50	36.34	0.03476296	0.0004	69.9834	0.35	0.27279721	0.013
08/24/95		14814.1721	376.4	395.95	38	0.04068817	0.0005	82.4665	0.398	0.27843259	0.013
08/24/95		14776.2607	387.6	399.00	38.2	0.04249532	0.0005	88.9955	0.428	0.2793013	0.013
08/24/95		14760.8972	381.5	396.76	39.81	0.0478927	0.0005	104.6321	0.505	0.27470733	0.014
08/24/95	05:40:00	14640.8226	374.7	389.73	40.4	0.05391593	0.0005	98.4344	0.474	0.27876373	0.014
08/24/95		14668.4873	388.2	400.13	41.08	0.05455379	0.0005	101.7161	0.491	0.284868	0.014
08/24/95	05:50:01	14719.8002		403.27	42.92	0.05919896		118.2244	0.589	0.2836797	+
08/24/95		14842.7642		413.28	42.99	0.0633161		130.1884	0.654	 -	0.015
08/24/95		14724.8701		405.46	42.75	0.06080774		125.2469		, 	0.015
											<u> </u>

Site: Bee	f Processir	ng plant in SW	U.S.	<u> </u>	1			i			
	ata in ppm		<u> </u>		<u>-</u>						
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/24/95	06:05:00	14704.9794	407.9	403.17	41.58	0.05731862	0.0005	107.4748	0.526	0.34272435	0.014
08/24/95	06:10:01	14623.9205	364.7	405.90	38.36	0.04705487	0.0005	86.1990	0.426	0.28060245	0.013
08/24/95	06:15:01	14653.7076	352.8	400.40	38.89	0.04414092	0.0005	89.5113	0.439	0.26247122	0.014
08/24/95	06:20:01	14862.6516	432.6	407.22	39.31	0.04988953	0.0005	100.0249	0.489	0.40408357	0.014
08/24/95	06:25:00	14923.0622	429.6	396.17	37.85	0.04536279	0.0005	92.6867	0.457	0.38158748	0.013
08/24/95	06:30:00	14711.9623	380.4	398.85	39.57	0.05009822	0.0005	93.6065	0.46	0.3253691	0.014
08/24/95	06:35:01	14784.9396	365.7	404.62	36.66	0.04307872	0.0004	84.9918	0.426	0.31479774	0.013
08/24/95	06:40:01	14753.9521	362	402.54	35.32	0.03446959	0.0004	67.5283	0.362	0.29966996	0.012
08/24/95	06:45:01	14865.4891	418.4	410.70	38.23	0.04783572	0.0005	100.8800	0.502	0.37158875	0.013
08/24/95	06:50:00	14704.2819	339.8	406.56	37.56	0.04346008	0.0004	90.1424	0.453	0.28599538	0.013
08/24/95	06:55:00	14469.0394	298.1	402.22	37.42	0.04588764	0.0004	77.4286	0.402	0.23342372	0.013
08/24/95	07:00:00	14625.2252	409.6	415.71	40.88	0.05427919	0.0005	101.3636	0.509	0.37963121	0.014
08/24/95	07:05:01	14538.8899	383.7	407.21	33.85	0.03368324	0.0004	73.2763	0.389	0.34189023	0.012
08/24/95	07:10:01	14197.5482	300.2	396.16	31.33	0.01826632	0.0004	45.2313	0.305	0.22166712	0.011
08/24/95	07:15:01	14077.9151	262.9	398.48	28.13	0.00118148	0.0003	38.2050	0.293	0.17324847	0.01
08/24/95	-	14178.8521	258.1	401.86	29	0.00075214	0.0003	34.1646	0.283	0.15891695	0.01
08/24/95		14399.7411	313.7	400.97	29.64	0.01171418	0.0004	33.5112	0.283	0.2451381	0.01
	07:30:01	14527.735	364	409.11	32.77	0.03138715	0.0004	56.8710	0.341	0.31860105	0.011
	07:35:01	14600.4339	333.5	400.39	34.98	0.03388545	0.0004	69.0535	0.373	0.27968943	0.012
	07:40:02	14574.0797	296.6	400.25	37.09	0.0414235	0.0004	71.9413	0.382	0.22379451	0.013
08/24/95		14693.6819	327.9	415.01	37	0.03714114	0.0004	64.2729	0.354	0.25858848	0.013
	07:50:02	14800.2357	374.6	414.55	36.92	0.03911643	0.0004	56.0505	0.329	0.30862111	0.013
	07:55:02	15045.6498		416.37	34.38	0.03326605	0.0004	59.7490	0.34	0.37586313	0.012
	08:00:02	15271.9286		412.92	35.2	0.03158016	0.0004	66.8104	0.364	0.36349632	0.012
	08:05:02	15396.6691		419.89	33.88	0.03077362	0.0004	64.8330	0.35	0.35118765	0.012
	08:10:03	15568.3533		407.51	33.85	0.0313633	0.0004	63.8051	0.345	0.30527672	0.012
·	08:15:03	15627.0494		424.19	32.79	0.02824296	0.0004	66.0221	0.346	0.31121574	0.011
	08:20:03	15725.1795	377.4	410.39	31.75	0.02719283	0.0004	58.0039	0.318	0.28911419	0.011
	08:25:03	15700.5128	312.1	408.90	29.77	0.01840329	0.0004	45.0293	0.284	0.21561253	0.01
	08:30:03	15784.1596		410.32	30.65	0.02278931	0.0004	45.0645	0.275	0.23378125	0.011
	08:35:04	15980.2488		419.52	30.65	0.02074109	0.0004	49.6806	0.299	0.23644847	0.011
$\overline{}$	08:40:04	16122.6451		407.10	31.04	0.02098321	0.0004	46.5610	0.287	0.22709952	0.011
	08:45:04	16174.337	358	415.61	30.56	0.01563995	0.0004	38.5151	0.257	0.21206902	0.011
I	08:50:03	16336.2121	362	416.38	31.06	0.01960315	0.0004	37.2090	0.252	0.21486802	0.011
	08:55:03	16380.5462	369	418.08	30.18	0.01710041	0.0004	35.3600	0.244	0.19764125	0.01
	09:00:03 09:05:04	16321.7946	347.3 395.1	413.73	32.94	0.01492489 0.00966455	0.0004	29.0481 24.8323	0.23	0.16977063	0.011
	09:03:04	16435.3323		409.56	32.74 32.57		0.0004		0.218	0.14815313	0.011
08/24/95		16456.3948 16490.0312		418.13	33.42	0.01066498 0.01319378	0.0004	25.1542 28.0939	0.217	0.15469719	0.011
	09:20:03	16470.6022	412.9	415.84	32.75	0.00682063	0.0004	23.3374	0.21	0.17336631	0.012
	09:25:03	16658.5167		412.22	33.13	0.00869569	0.0004	22.4848	0.211	0.16015476	0.011
08/24/95		16519.9631		413.81		0.00737759	0.0004			0.15206642	0.012
		16612.6156		414.49	32.06		0.0004		0.200	0.14760743	0.011
08/24/95		16915.7042		422.07	32.35	0.00332739	0.0004	28.8650	0.222	0.15489419	0.011
08/24/95		16914.4898		416.33	31.43	0.00331200	0.0004	24.3970	0.205	0.13469413	0.011
08/24/95		17002.0616		423.39	30.98	0.00270003	0.0004	19.7875	0.203	0.13630391	0.011
08/24/95		17228.3743		419.54	28.44	0.00044243	0.0003	21.5976	0.195	0.19256934	0.011
08/24/95		17193.8539		419.74	30.12	0.00044243	0.0004	21.9302	0.197	0.19230334	0.01
08/24/95		17091.0263		436.23	32.48	0		25.2245	0.209	0.2071465	0.011
08/24/95		16990.4122		429.09	32.94	0		24.2063	0.198	0.21454641	0.011
08/24/95		17457.6871		416.84	33.43	0		22.3993	0.193	0.19887591	0.012
08/24/95		17379.2111		434.18	32.59	0	0.0004	19.6393	0.197	0.14602234	0.011
08/24/95		17590.3952		440.14	32.81	0		20.3364	0.185	0.18425251	0.011
08/24/95		17446.9412		425.30	32.24	0		23.6877	0.189	0.18423231	0.011
08/24/95		17364.1717		429.77	32.97	0		28.5368	0.196	0.25256815	0.011
08/24/95		17495.3699		427.18	32.38	0		27.4166	0.130	0.26440077	0.011
08/24/95		17623.2266		434.25	32.4	- 0		26.1520	0.184	0.26086226	0.011
08/24/95		17506.0882		427.59	32.17	- 6		25.7968	0.183	0.27336734	0.011
08/24/95		17493.9083		433.81	34.34	0		22.3201	0.175	0.24094146	0.011
08/24/95		17363.9918		431.23	34.12	0		27.7140	0.19	0.23688802	0.012
08/24/95		17383.2591		437.80	33.97	0		22.5848	0.177	0.2480252	0.012
08/24/95		17632.233		445.68	33.87	0		21.0829	0.168		
20,47,00			-04.0	1773.00	00.07		J.0004	21.0028	J. 100	1 0.2420012	0.012

08/24/95 21:14:58 15271.8304 326.1 397.40 32.93 0 0.0004 18.7157 0.136 0.05909676 0.011 08/24/95 21:19:57 15019.6957 315.2 394.76 33.19 0 0.0004 17.1959 0.13 0.02986067 0.012 08/24/95 21:24:57 14879.7846 315.1 395.84 33.22 0 0.0004 11.9881 0.132 0.02717647 0.012 08/24/95 21:34:58 14766.0606 316.5 394.28 33.61 0 0.0004 18.4837 0.138 0.0265849 0.012 08/24/95 21:33:59 14585.5049 311.9 391.32 33.87 0 0.0004 18.4837 0.138 0.0265849 0.012 08/24/95 21:39:59 14585.5049 311.9 391.32 33.87 0 0.0004 18.6888 0.138 0.02979947 0.012 08/24/95 21:45:58 14503.7126 312.6 388.96 34.11 0	Site: Bee	Processin	o plant in SW	U.S.								
Date Time H/2O	Upwind Da	ata in pom	g plant in Gri			_						-
Depart 1975 1715	1		H2O		CO2		SF6		CH4		NH3	
Degray 11:15:00 17:29:12:15 42:14 42:06 0 0.0004 23:59:86 0.172 0.23043536 0.012				95% CI		95% CI		95% CI	 	95% CI	ppm	95% CI
	08/24/95	11:15:05							 			
Spizzards 11/25/07 17901/1572 468.2 495.32 21/2 0 0.0004 24/2613 0.17 0.22714566 0.011 Spizzards 11/35/07 17920-2092 431.4 430.2 32.9 0 0.0004 15/2879 0.15 0.10107165 0.011 Spizzards 11/35/07 17925-3099 447.6 415.68 32.06 0 0.0004 15/2879 0.15 0.10107165 0.011 Spizzards 11/35/07 1893-3083 42.98 447.6 32.66 0 0.0004 13/63/07 0.15 0.0084749 0.011 Spizzards 11/35/07 1893-3083 42.98 447.6 32.66 0 0.0004 13/63/07 0.15 0.0084749 0.011 Spizzards 11/35/07 1893-3073 450.1 436.4 32.95 0 0.0004 18/65/07 16.0 0.00123/07 0.001 Spizzards 11/55/07 1893-30.373 450.1 436.4 33.95 0 0.0004 18/65/07 16.0 0.00123/07 0.002 Spizzards 11/55/07 1893-30.373 450.1 436.4 33.95 0 0.0004 18/65/07 0.152 0.1846927 0.012 Spizzards 11/55/07 1893-30.373 450.1 436.1 3.013 0.0004 18/65/07 0.152 0.1846927 0.012 Spizzards 11/55/07 1893-30.373 450.1 450.1 4.90.6 34.45 0 0.0004 1.0004 38.8425 0.191 0.37029577 0.012 Spizzards 11/54/07 1893-30.373 450.1 450.1 3.014 0.0004 38.8425 0.191 0.37029577 0.012 Spizzards 11/54/07 1893-30.373 450.2 45.28 33.4 0.0004 38.8425 0.191 0.37029577 0.002 Spizzards 11/54/07 1893-30.373 450.1 3.34 0.0004 38.8425 0.191 0.37029577 0.0024/07 0.002		_										
Depart 11-3007 17-90-0.924 431.4 433.6 32.92 0 0.0004 15.6273 0.152 0.10971165 0.011 0.0024165 11-3007 1823-8083 42.86 32.66 0 0.0004 13.6897 0.15 0.10107166 0.011 0.0024165 11-3007 1823-8083 42.86 42.86 0 0.0004 17.6234 0.15 0.108667439 0.011 0.0024165 11-3007 1828-3033 42.81 42.81 44.14 32.98 0 0.0004 17.6234 0.15 0.108667439 0.011 0.0024165 11-5007 1838-3073 49.01 436.42 33.5 0 0.0004 17.6261 0.15 0.16862739 0.0024165 11-5007 1838-3073 49.01 436.42 33.5 0 0.0004 17.6261 0.15 0.16862737 0.012 0.0024165 11-5007 1838-3073 49.01 45.96 34.45 0 0.0004 17.6661 0.15 0.16862737 0.012 0.0024165 11-5007 1838-3073 49.01 45.96 34.45 0 0.0004 17.6661 0.15 0.16862737 0.012 0.0024165 11-5007 1838-3073 49.01 45.17										 -		
Depart 11:35.07 17:35:30.09 447.6 415.68 32.06 0 0.0004 13:6907 0.15 0.10107165 0.001 Depart 0.15 0.00107 18:23:90.3 42.98 47.1 42.96 0 0.0004 13:6320 0.15 0.01563064 0.011 Depart 0.15 0.15 0.0056303 42.98 447.1 42.96 0 0.0004 13:6320 0.15 0.1563064 0.011 Depart 0.15 0.15 0.0056303 42.98 447.1 42.96 0 0.0004 18:6559 0.16 0.2013232 0.012 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 Depart 0.15 0	-						_					
GBZP4/95 11-45/07 18287-2124 462-1 441-04 32-99 0 0.0004 18.7539 0.16 0.20123922 0.012 GBZP4/95 11-55/09 18357-2776 469.5 446.01 33.78 0 0.0004 18.7539 0.16 0.20123922 0.012 GBZP4/95 11-55/09 18357-2776 469.5 446.01 33.78 0 0.0004 18.75691 0.175 0.33035347 0.012 Fin 13												
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Run 13												
Delizer 18:39:54 15:647-4486 510.1 51.79 33.11 0.0153476 0.0004 38.8425 0.191 0.37029997 0.012 Delizer 18:4454 15742-8919 53.43 52.62 33.68 0.01375004 0.0004 53.8582 0.243 0.38977399 0.012 Delizer 18:455 16:243.4617 54.3 452.16 33.34 0.0201137 0.0004 53.8582 0.243 0.38977399 0.012 Delizer 18:455 16:243.4617 54.3 452.16 33.34 0.0201137 0.0004 53.8582 0.233 0.38977399 0.012 Delizer 18:455 16:263.5542 575.4 452.16 33.44 0.01610986 0.0004 55.2682 0.209 0.43026849 0.0002495 18:5594 16:037.2446 553.8 450.07 33.82 0.01783469 0.0004 62.6767 0.25 0.44542924 0.012 Delizer 18:454 15605.3038 553 444.11 36.1 0.0171685 0.0004 64.655 0.24 0.45955 0.0002495 19:19-34 15615.511 583 444.81 36.1 0.0171685 0.0004 64.6535 0.222 0.46652787 0.013 Delizer 19:455 15:656.6472 550.2 40.73 36.53 0.0213328 0.0004 64.6728 0.241 0.42109894 0.013 Delizer 19:455 15:656.6472 550.2 40.73 36.53 0.0213328 0.0004 64.6728 0.241 0.42109894 0.013 Delizer 19:455 15:656.6472 650.2 46.53 37.92 0.0263331 0.0005 90.6897 0.5 0.55472513 0.013 Delizer 19:455 15:656.6472 650.2 455.33 37.92 0.0263331 0.0005 90.6897 0.5 0.55472513 0.013 Delizer 19:455 16:665.2748 653.4 48.52 38.78 0.03172761 0.0005 17.7076 0.455 0.554016 0.013 Delizer 19:455 19:455 16:665.2748 653.4 48.52 38.78 0.03172761 0.0005 17.7076 0.455 0.554016 0.013 Delizer 19:455 19:455 16:665.2748 645.9 45.33 37.92 0.0355222 0.0005 14.77076 0.445 0.55106377 0.013 Delizer 19:455 19:455 16:665.2748 645.9 45.33 37.92 0.0355222 0.0005 14.77076 0.445 0.55106377 0.013 Delizer 19:455 19:455 16:665.2748 645.9 45.33 37.92 0.0355222 0.0005 14.77076 0.445 0.55106377 0.013 Delizer 19:455 19:455 16:665.2		12.00.00	10030.9219	304.4	723.00	34.43		0.0004	23.0010	0.170	0.00003541	0.012
		10-20-54	15647 4486	510.1	451 70	33 11	0.01534376	0.0004	38 8425	0.101	0.37029597	0.012
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08/24/95 [234:000] 1488.5497 4469. 383.72 35.85 0.00924/092 0.0004 28.0361 0.191 0.34191397 0.008/24/95 [234:501 14335.5401 4134. 382.29 35.69 0.0043975 0.0004 32.8437 0.207 0.30705899 0.012 0.0824/95 [235:501 4353.5491 4134. 382.29 35.69 0.0043975 0.0004 32.8437 0.207 0.20774128 0.012 0.00824/95 0.00000 0.0004 0.0040 0.215 0.344516 0.00824/95 0.00000 0.0004 0.0040	08/24/95	23:30:00	14419.9418	367.3		35.46	0.00275131	0.0004	39.8667	0.196		0.012
0.0002405 23:45:01 4392.6991 415.5 383.94 35.62 0.00649064 0.0004 32.6437 0.207 0.30076999 0.012 0.0024075 23:55:01 4335.3239 445.7 383.80 36.13 0.00945203 0.0004 41.2949 0.215 0.34247126 0.015 0.002475 0.0005 0.	08/24/95	23:35:00	14551.3443	432.8	380.56	35.17	0.00671319	0.0004	35.8510	0.184	0.32036245	0.012
08/24/95 23:50:01 14337.5401 413.4 382.29 35.69 0.00449795 0.0004 39.3163 0.211 0.29774128 0.015 08/24/95 0.00050 0.0006 14295.5311 493.5 383.6 36.38 0.00946207 0.0004 42.2855 0.212 0.33454166 0.015 08/25/95 0.00:05.00 14215.3943 442.8 384.68 38.3 0.00946407 0.0004 42.2855 0.212 0.33454166 0.015 08/25/95 0.01:05.00 14215.3943 442.8 384.68 38.3 0.00946407 0.0004 43.5126 0.22 0.30827768 0.0082795 0.000001 14215.3943 442.8 384.68 38.3 0.009560105 0.0004 44.10633 0.225 0.30827768 0.0082795 0.00001 14245.3943 442.8 382.59 36.50 0.0065408 0.0004 44.10633 0.225 0.30827768 0.0082795 0.00001 14265.8943 442.8 382.59 36.50 0.0065408 0.0004 44.1063 0.22 0.30827768 0.0082795 0.00001 42.0004 44.0004 4	08/24/95	23:40:00	14488.5497		383.72	35.85	0.00924092	0.0004	29.0361	0.191	0.34191397	0.012
0.0872495 00:00:00:00 14295.5311 4395. 383.65 36.38 0.00944847 0.0004 42.2855 0.212 0.3345166 0.015 0.082595 00:00:00 14181.2652 433.9 380.25 38.11 0.00940847 0.0004 42.2855 0.212 0.3345166 0.015 0.082595 00:00:00 14181.2652 433.9 380.25 38.11 0.00940381 0.0004 43.1853 0.225 0.34271696 0.015 0.082595 00:10:00 14215.3943 442.8 384.68 36.3 0.01307159 0.0004 41.0833 0.225 0.34271696 0.0082595 00:00:00 14181.0004 42.8 382.47 35.8 0.00560105 0.0004 45.1863 0.225 0.34271696 0.0082595 00:0005 01 14051.000 421.8 382.47 35.8 0.00560105 0.0004 45.1876 0.22 0.37336377 0.015 0.002595 00:0000 14244.3935 462.2 382.59 36.05 0.01065498 0.0004 45.1876 0.227 0.37336377 0.015 0.002595 00:000 14242.21 447 382.99 37.24 0.01921928 0.0004 45.1877 0.231 0.0276684 0.015 0.00255 00 14262.21 447 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.016 0.0872595 00:350 01 14225.5555 491.3 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.016 0.0872595 00:050 01 14225.5555 491.3 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.016 0.0872595 00:050 01 14225.5555 491.3 383.29 35.54 0.0267259 0.0004 44.9251 0.279 0.38965618 0.016 0.0872595 00:050 01 14225.5555 491.3 383.29 35.54 0.0267259 0.0004 47.1979 0.229 0.38965618 0.016 0.0872595 00:050 01 14225.5554 491.3 383.29 35.54 0.0267259 0.0004 47.0456 0.225 0.38955417 0.015 0.0872595 00:050 01 14225.5554 491.3 383.29 35.54 0.0267259 0.0005 60.8605 0.301 0.4369843 0.015 0.0872595 00:050 01 14225.5554 491.3 383.4 36.45 0.01530004 0.0004 67.7896 0.28 0.45943738 0.015 0.0872595 00:050 01 14225.5553 491.3 383.4 36.45 0.01530004 0.0004 67.7896 0.28 0.45943738 0.016 0.0872595 00:050 01 14225.5551 491.3 383.48 36.45 0.01530004 0.0004 60.4566 0.286 0.45943738 0.016 0.0872595 00:050 01 14225 0.0004 422.2551 0.0004 422.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255 0.0004 42.255	08/24/95	23:45:01	14382.6091	415.5	383.94	35.62	0.00649064	0.0004	32.6437	0.207	0.30076989	0.012
08/25/95 00:05:00 14295.5311 499.5 393.65 36.38 0.00944447 0.0004 42.2855 0.212 0.33454166 0.015 08/25/95 00:05:00 14215.3943 442.8 384.68 38.3 0.00960391 0.0004 41.0033 0.225 0.34271696 0.015 0.0025/95 0.015:00 14215.3943 442.8 384.68 38.3 0.00590105 0.0004 41.0033 0.225 0.34271696 0.015 0.0025/95 0.00001 14241.83 384.68 38.3 0.00590105 0.0004 41.0033 0.225 0.34271696 0.015 0.0025/95 0.00001 14241.83 384.68 38.3 0.00590105 0.0004 44.10633 0.225 0.30827726 0.0025/95 0.0025/00 14242.83 442.8 382.95 36.05 0.01065498 0.0004 43.1676 0.227 0.3082739377 0.015 0.0025/95 0.00001 42.0058694 474 382.95 37.24 0.01921928 0.0004 45.6117 0.221 0.4076694 0.015 0.0025/95 0.00300 14205.8464 474 382.95 37.24 0.01921928 0.0004 47.1979 0.229 0.41505822 0.00827395 0.03500 14225.8559 491.3 383.92 36.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.015 0.00872595 0.05500 14049.367 495.5 383.48 36.43 0.02859925 0.0055 0.066555 0.0045 0.005	08/24/95	23:50:01	14337.5401	413.4	382.29	35.69	0.00439795	0.0004	39.3163	0.211	0.29774128	_0.012
0822595 00:00:00 14161_8282 43.9 380_85 36.1 0.00900391 0.0004 81.1589 0.214 0.3285328 0.015 082595 00:01:00 14215_3943 442.8 384.68 36.3 0.01307158 0.0004 41.0633 0.225 0.34271686 0.015 082595 00:01:01 14157_8008 421.8 382.74 35.6 0.00560105 0.0004 45.5126 0.22 0.30827736 0.015 082595 00:02:01 14244_9395 462.2 382.59 36.05 0.00565498 0.0004 43.1876 0.227 0.3733877 0.015 082595 00:05:00 14284_9395 462.2 382.59 36.05 0.00565498 0.0004 43.1876 0.227 0.3733877 0.015 082595 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 0825955 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 0825955 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 0825955 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 0825955 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 0825955 00:05:00 14206_8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.015 082595 00:05:00 14094.3875 491 385.45 36.94 0.0246173 0.0005 60.8605 0.301 043698843 0.015 082595 00:05:00 14094.3875 491 385.45 36.94 0.0246173 0.0005 60.8605 0.301 043698843 0.015 082595 00:50:01 14094.3875 491 385.45 36.94 0.0246173 0.0004 67.5946 0.28 0.4995417 0.015 082595 00:50:01 14094.3875 491 385.45 36.94 0.0246173 0.0004 67.5946 0.28 0.4995417 0.015 082595 00:50:01 13034.3895 510.8 384.36 55.95 0.00486894 0.0004 67.5946 0.28 0.4995417 0.015 082595 00:50:01 13580.6007 428.2 375.93 38.05 34.7 0.0024897 0.0004 67.5946 0.28 0.36349619 0.016 082595 01:00:00 213816.594 428.2 375.23 34.8 0.0048697 0.0004 47.8817 0.257 0.3473978 0.012 082595 01:00:00 213816.594 428.2 375.23 34.8 0.0048697 0.0004 47.8817 0.257 0.3473978 0.012 082595 01:00:00 33504.6967 425 385.75 34.0 0.0004 90.0004 47.8817 0.257 0.3473978 0.012 082595 01:00:00 33504.6967 425 385.75 34.0 0.0004 90.0004 47.8817 0.257 0.3473978 0.0004 082595 01:00:00 33504.6967 425 385.75 34.0 0.0004 90.0004 47.8817 0.025 0.385974 0.012 082595 01:00:0	08/24/95	23:55:01	14335.3239	445.7	383.80	36.13	0.00945203	0.0004	41.2949	0.215	0.34247126	0.013
082595 00:000 14215.3943 442.6 394.96 36.3 0.01397159 0.0004 451.0833 0.225 0.34271696 0.015 082595 00:01:010 14157.8008 421.8 392.74 35.8 0.00560105 0.0004 45.5126 0.22 0.30827726 0.015 092595 00:02:01 14244.3935 462.2 382.59 36.05 0.01065498 0.0004 45.6117 0.231 0.4076684 0.015 092595 00:02:001 14282.1221 487 382.96 37.24 0.01921928 0.0004 45.6117 0.231 0.4076684 0.015 092595 00:00001 14225.5859 491.3 382.96 37.24 0.01921928 0.0004 45.6117 0.231 0.4076684 0.015 092595 00:0001 14225.5859 491.3 383.92 35.51 0.0207255 0.0004 44.9251 0.279 0.39865618 0.012 092595 00:0001 14225.5859 491.3 383.92 35.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.015 092595 00:001 14225.5859 491.3 383.92 36.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.015 092595 00:001 14049.367 499.5 383.48 56.43 0.01317140 0.0004 47.979 0.239 0.39865618 0.012 092595 00:0501 14049.367 499.5 383.48 56.43 0.02546173 0.0004 67.7830 0.303 0.42637169 0.013 092595 00:0501 14049.367 499.5 383.48 56.43 0.01503004 0.0004 67.7830 0.303 0.42637169 0.013 092595 00:0501 14049.367 499.5 383.48 56.43 0.01503004 0.0004 67.7840 0.250 0.3649619 0.013 092595 01:0500 1368.6450 0.02551 3426.2551 3428.2 1379.23 348.6 0.0048694 0.0004 50.6560 0.256 0.4560 0.4560 0.256 0.4560 0.45	08/25/95	00:00:00	14295.5311	439.5	383.65	36.38	0.00944847	0.0004	42.2855	0.212	0.33454166	0.013
082595 00:50:00 14215.3943 442.8 384.88 36.3 0.01037158 0.0004 41.0833 0.225 0.34271696 0.015 082595 00:20:01 14244.8935 462.2 382.59 36.05 0.01065498 0.0004 45.5136 0.227 0.37336377 0.015 082595 00:25:00 14282.1221 487 382.56 57.24 0.01037148 0.0004 47.1876 0.227 0.37336377 0.015 082595 00:30:00 14206.6844 474 383.25 67.24 0.0137148 0.0004 47.1979 0.229 0.38965618 0.016 082595 00:30:00 14265.5859 491.3 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.016 082595 00:30:00 14225.5859 491.3 383.29 35.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.015 082595 00:30:00 14225.5859 491.3 383.92 36.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.015 082595 00:50:01 14137.4435 491 385.45 36.94 0.02859929 0.0005 60.8605 0.301 0.42637169 0.015 082595 00:50:01 14049.367 499.5 383.48 36.43 0.01530004 0.0004 67.7830 0.303 0.42637169 0.015 082595 00:50:01 14049.367 499.5 383.48 36.43 0.01530004 0.0004 67.7830 0.303 0.42637169 0.015 082595 00:50:01 14034.3695 510.8 384.35 35.95 0.01508144 0.0004 60.4566 0.288 0.45943738 0.012 082595 01:00:02 133818.5348 442.6 377.59 35.28 0.0050814 0.0004 67.7830 0.303 0.42637169 0.015 082595 01:00:02 13368.0079 429.3 380.65 34.87 0.00281819 0.0004 56.0536 0.245 0.3849619 0.015 082595 01:00:02 13568.0032 402 576.11 349.1 0.0015263 0.0004 51.2457 0.318 0.35129975 0.015 082595 01:00:02 13568.0032 402 576.11 349.1 0.0015263 0.0004 51.2457 0.318 0.35129975 0.015 082595 01:0000 13508 01:0004 13698.0719 429.3 380.65 34.87 0.00218199 0.0004 50.6861 0.197 0.02919974 0.012 082595 01:0000 13508 01:0004 13698.0719 429.3 380.65 34.87 0.00218199 0.0004 50.6861 0.197 0.02919974 0.012 082595 01:0000 13508 01:0004 13698.0719 37.54 0.55.25 0.00904492 0.0004 56.0866 0.024 0.36268676 0.012 082595 01:0000 13508 01:0004 13908.886 300.6 37.6 0.351.0 0.0014775 0.0004 45.3986 0.329 0.02919974 0.012 082595 01:0003 13508 01:0004 13908.886 30.00 37.0 0.0004 13908.0004 0.0004 46.2131 0.014 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	08/25/95	00:05:00	14181.2632	433.9	380.25	36.11	0.00900391	0.0004	38.1569	0.214	0.3285328	0.013
08725/95 00:15:01 141678,008 421.8 382.74 35.8 0.00560105 0.0004 45.5126 0.22 0.30827726 0.012 088725/95 00:25:00 14284.3935 462.2 382.59 36.05 0.01065498 0.0004 43.5176 0.227 0.37336377 0.012 088725/95 00:25:00 14206.8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.012 088725/95 00:35:00 14206.8644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.012 088725/95 00:35:00 14226.8549 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.38965618 0.012 088725/95 00:40:10 14228.3126 502.9 36.60 38.46 0.0285992 0.0005 0.065 0.0004 0.4150822 0.013 088725/95 00:45:01 14137.4435 491 385.45 36.94 0.0246173 0.0004 67.7384 0.23 0.43958481 0.08725/95 00:50:01 14094.367 499.5 383.48 36.43 0.01530004 0.0004 67.3946 0.28 0.43954817 0.013 088725/95 00:50:01 14094.367 499.5 383.48 36.43 0.01530004 0.0004 67.3946 0.28 0.43954817 0.013 088725/95 00:50:01 3153.84 442.6 377.59 352.8 0.00436894 0.0004 60.556 0.268 0.45943738 0.015 088725/95 01:10:02 1368.0719 429.3 380.65 34.87 0.00248847 0.0004 47.6817 0.257 0.34735176 0.011 088725/95 01:10:01 13668.0467 245 365.76 34.87 0.0012623 0.0004 70.1364 0.257 0.34735176 0.011 088725/95 01:10:01 13668.0467 245 365.76 34.87 0.0012623 0.0004 70.1364 0.257 0.33734927 0.012 088725/95 01:10:01 13668.0467 245 365.76 34.87 0.0012623 0.0004 70.1364 0.257 0.33734927 0.012 088725/95 01:15:01 33504.6165 428.3 375.64 35.25 0.00946875 0.0004 67.5966 0.197 0.2991974 0.012 088725/95 01:45:01 3119.2457 311 374.60 35.48 0.00568266 0.0004 45.1966 0.197 0.2991974 0.012 088725/95 01:00:01 13668.6467 245 365.76 34.87 0.00146876 0.0004 45.3986 0.229 0.3666876 0.012 088725/95 01:00:01				+								0.013
08/25/95 00:25:00 14244_3935				 								0.012
08/25/95 00:35:00 14208_1221 487 382.66 37.24 0.01921928 0.0004 45.6117 0.231 0.4076684 0.012 08/25/95 00:35:00 14208_6644 474 383.29 35.44 0.01317148 0.0004 47.1979 0.229 0.3896618 0.012 08/25/95 00:35:00 14208_5585 491.3 383.92 36.51 0.0207255 0.0004 44.9251 0.279 0.41505822 0.013 08/25/95 00:45:01 14228_3126 502.9 386.80 38.46 0.02859929 0.0005 60.8605 0.301 0.4696843 0.012 08/25/95 00:45:01 14043_4365 491 385.45 38.94 0.0246173 0.0004 67.7830 0.303 0.42837190 0.015 08/25/95 0.05:01 14049_367 499.5 383.48 36.49 0.01500041 0.0004 67.3946 0.28 0.43954817 0.015 08/25/95 00:55:01 14049_367 499.5 383.48 36.49 0.01500041 0.0004 67.3946 0.28 0.459543738 0.012 08/25/95 01:00:02 13818_5348 42.6 377.59 35.28 0.00458694 0.0004 67.66 0.256 0.258 0.45943738 0.012 08/25/95 01:00:02 13818_5348 442.6 377.59 35.28 0.00458694 0.0004 67.6917 0.257 0.36349819 0.012 08/25/95 01:00:02 13818_5348 442.6 377.59 35.28 0.00458694 0.0004 47.6917 0.257 0.36349819 0.012 08/25/95 01:00:02 13950.019 429.3 38.05 3487 0.00218199 0.0004 47.6917 0.257 0.36374917 0.028/25/95 01:00:02 13808_0719 429.3 38.05 3487 0.00218199 0.0004 47.6917 0.257 0.36374917 0.008/25/95 01:25:02 13621.9015 453.3 375.23 36.36 0.01504713 0.0004 50.8661 0.197 0.02919974 0.012 08/25/95 01:25:02 13621.9015 453.3 375.23 36.36 0.01504713 0.0004 50.8661 0.197 0.02919974 0.012 08/25/95 01:25:02 13608.4667 428.3 375.64 35.25 0.0094492 0.0004 55.9663 0.246 0.257 0.3857342 0.013 08/25/95 01:25:02 13608.4667 428.3 375.64 35.25 0.0094492 0.0004 55.9663 0.246 0.259 0.25969 0.00025/95 01:45:03 13508.4616 428.3 375.84 35.8 0.0094492 0.0004 55.9663 0.246 0.259 0.25964112 0.012 08/25/95 01:45:03 13516.991 448.6 375.6 31.00041375 0.0004 45.996 0.232 0.1839964 0.012 08/25/95 01:45:03 13516.991 448.6 375.8 376.0 38.8 0.00647612 0.0004 45.986 0.239 0.249 0.2155331 0.0024 0.012 08/25/95 01:50:03 13516.991 448.6 375.8 385.0 0.009467612 0.0004 45.995 0.239 0.249 0.2155331 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.											0.37336377	0.013
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08/25/95 02:50:03 13451.6507 393.2 377.28 33.59 0.00380325 0.0004 61.0280 0.274 0.30143451 0.012 08/25/95 02:55:04 13355.2035 348.4 375.94 34.32 0.00554293 0.0004 52.4209 0.252 0.2883411 0.012 08/25/95 03:00:04 13045.2685 281.3 366.49 33.38 0 0.0004 44.3295 0.218 0.13490948 0.013 08/25/95 03:05:04 13256.9005 330.4 370.61 33.45 0 0.0004 26.7063 0.238 0.22204243 0.013 08/25/95 03:10:03 13462.0552 432.7 374.82 34.8 0.01108793 0.0004 37.5827 0.274 0.36318416 0.013 08/25/95 03:15:03 13430.5307 429.2 373.73 34.08 0.010327 0.0004 52.1438 0.255 0.35579221 0.013 08/25/95 03:20:03 13446.098 442.7 372.43 35.02 0.00999516 0.0004 44.1788 0.243 0.37275429 0.013 08/25/95 03:25:04 13318.074 414.1 372.03 34.3 0.00868979 0.0004 38.7817 0.244 0.33488261 0.013 08/25/95 03:30:04 13327.1069 440.5 375.36 36.11 0.02193333 0.0004 38.9477 0.275 0.37275811 0.013 08/25/95 03:35:04 13241.8211 423 376.05 34.36 0.00716907 0.0004 51.8301 0.291 0.33781541 0.013 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 55.2005 0.256 0.26949197 0.013 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 55.2005 0.256 0.24323682 0.013 08/25/95 03:50:05 13246.5841 418.5 376.41 35.2 0.01161372 0.0004 52.6522 0.285 0.34628313 0.013	08/25/95	02:40:04	13642.7563	456.1	381.38	36.99	0.02707802	0.0004	52.0392	0.321	0.39540439	0.013
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08/25/95 03:00:04 13045.2685 281.3 366.49 33.38 0 0.0004 44.3295 0.218 0.13490948 0.013 08/25/95 03:05:04 13256.9005 330.4 370.61 33.45 0 0.0004 26.7063 0.238 0.22204243 0.013 08/25/95 03:10:03 13462.0552 432.7 374.82 34.8 0.01108793 0.0004 37.5827 0.274 0.36318416 0.013 08/25/95 03:15:03 13430.5307 429.2 373.73 34.08 0.010327 0.0004 52.1438 0.255 0.35579221 0.013 08/25/95 03:20:03 13446.098 442.7 372.43 35.02 0.00999516 0.0004 44.1788 0.243 0.37275429 0.013 08/25/95 03:25:04 13318.074 414.1 372.03 34.3 0.00868979 0.0004 38.7817 0.244 0.33488261 0.013 08/25/95 03:30:04 13327.1069 440.5 375.36 36.11 0.02193333 0.0004 38.9477 0.275 0.37275811 0.014 08/25/95 03:35:04 13241.8211 423 376.05 34.36 0.00716907 0.0004 51.8301 0.291 0.33781541 0.014 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 56.7137 0.286 0.26949197 0.014 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 55.2005 0.256 0.24323682 0.014 08/25/95 03:50:05 13246.5841 418.5 376.41 35.2 0.01161372 0.0004 52.6522 0.285 0.34628313 0.014 08/25/95 03:55:05 13332.3887 455.8 376.45 36.49 0.01671188 0.0004 52.6522 0.285 0.34628313 0.015			13355.2035	348.4	375.94	34.32	0.00554293	0.0004	52.4209	0.252	0.2883411	0.012
08/25/95 03:05:04 13256.9005 330.4 370.61 33.45 0 0 0.0004 26.7063 0.238 0.22204243 0.012 08/25/95 03:10:03 13462.0552 432.7 374.82 34.8 0.01108793 0.0004 37.5827 0.274 0.36318416 0.012 08/25/95 03:15:03 13430.5307 429.2 373.73 34.08 0.010327 0.0004 52.1438 0.255 0.35579221 0.012 08/25/95 03:20:03 13446.098 442.7 372.43 35.02 0.00999516 0.0004 44.1788 0.243 0.37275429 0.012 08/25/95 03:25:04 13318.074 414.1 372.03 34.3 0.00868979 0.0004 38.7817 0.244 0.33488261 0.012 08/25/95 03:30:04 13327.1069 440.5 375.36 36.11 0.02193333 0.0004 38.9477 0.275 0.37275811 0.012 08/25/95 03:35:04 13241.8211 423 376.05 34.36 0.00716907 0.0004 51.8301 0.291 0.33781541 0.012 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 56.7137 0.286 0.26949197 0.012 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 55.2005 0.256 0.24323682 0.012 08/25/95 03:50:05 13246.5841 418.5 376.41 35.2 0.01161372 0.0004 52.6522 0.285 0.34628313 0.012									+			0.012
08/25/95 03:10:03 13462.0552 432.7 374.82 34.8 0.01108793 0.0004 37.5827 0.274 0.36318416 0.012 08/25/95 03:15:03 13430.5307 429.2 373.73 34.08 0.010327 0.0004 52.1438 0.255 0.35579221 0.012 08/25/95 03:20:03 13446.098 442.7 372.43 35.02 0.00999516 0.0004 44.1788 0.243 0.37275429 0.013 08/25/95 03:25:04 13318.074 414.1 372.03 34.3 0.00868979 0.0004 38.7817 0.244 0.33488261 0.013 08/25/95 03:30:04 13327.1069 440.5 375.36 36.11 0.02193333 0.0004 38.9477 0.275 0.37275811 0.013 08/25/95 03:35:04 13241.8211 423 376.05 34.36 0.00716907 0.0004 51.8301 0.291 0.33781541 0.013 08/25/95 03:40:04 13176.5391 389.3 374.86 33.68 0.00467076 0.0004 56.7137 0.286 0.26949197 0.013 08/25/95 03:45:05 13209.0295 401.5 374.14 35.37 0.00347326 0.0004 55.2005 0.256 0.24323682 0.013 08/25/95 03:50:05 13246.5841 418.5 376.41 35.2 0.01161372 0.0004 52.6522 0.285 0.34628313 0.01										 		
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08/25/95 03:55:05 13332.3887 455.8 376.45 36.49 0.01671188 0.0004 52.6522 0.285 0.34628313 0.01				•								·
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<u>08/25/95 04:00:05 13233,7194 443.9 377.46 36.84 0.01951844 0.0004 54.6845 0.291 0.32812667 0.01</u>				 -				 		+		
	UB/25/95	04:00:05	13233,7194	443.9	3/7.46	36.84	U.01951844	0.0004	54.6845	0.291	0.32812667	0.013

Site: Bee	f Processir	ng plant in SW	U.S.	1							
	ata in ppm		Ī								
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ррп	95% CI	ppm	95% CI	ppm	95% CI
08/25/95	04:05:06	13217.3168	457.5	378.15	37.68	0.0209121	0.0004	55.7196	0.295	0.32841756	0.013
08/25/95	04:10:06	13374.2775	503	385.92	39.99	0.0390145	0.0005	57.0616	0.417	0.41897234	0.014
08/25/95	04:15:06	13270.7614	444.6	379.13	37.99	0.03100671	0.0005	88.4879	0.337	0.34627768	0.013
08/25/95	04:20:06	13389.6666	465.9	382.88	37.5	0.02969437	0.0004	69.0371	0.36	0.37659826	0.013
08/25/95	04:25:07	13277.0193	453	380.64	36.88	0.02405434	0.0004	75.0610	0.326	0.36016495	0.013
08/25/95	04:30:07	13258.5345	442.5	378.77	35.42	0.02438406	0.0004	66.4591	0.289	0.35947523	0.012
08/25/95	04:35:07	13358.4332	442.1	375.47	34.76	0.01942484	0.0004	53.6755	0.283	0.37666836	0.012
08/25/95	04:40:06	13352.3255	467.3	378.22	34.63	0.02086742	0.0004	53.2447	0.311	0.38615603	0.012
08/25/95	04:45:06	13303.2976	486.6	385.07	34.74	0.02034726	0.0004	61.5810	0.316	0.40433372	0.012
08/25/95	04:50:07	13271.2543	496.9	389.34	35.09	0.02193307	0.0004	65.4566	0.333	0.41509157	0.012
08/25/95	04:55:07	13136.2975	446.3	386.65	33.93	0.02042477	0.0004	70.3478	0.334	0.36327701	0.012
08/25/95	05:00:07	13126.555	491.1	387.93	35.85	0.02545388	0.0004	70.9359	0.359	0.39961499	0.012
08/25/95	05:05:06	13014.4462	474.3	384.07	35.04	0.02402459	0.0004	' 77.8326	0.341	0.38384737	0.012
08/25/95	05:10:06	12947.4451	467.7	380.35	35.55	0.02466575	0.0004	73.2512	0.332	0.37980889	0.012
08/25/95	05:15:07	12809.0549	430.8	379.48	35.28	0.02128239	0.0004	71,4173	0.314	0.34422909	0.012
	05:20:07	12806.5133	455.3	379.63	34.64	0.01996892	0.0004	66.5932	0.332	0.34776467	0.012
08/25/95	05:25:07	12645.2219	429.4	375.41	35.78	0.02235255	0.0004	71.3756	0.317	0.30257727	0.012
08/25/95	05:30:06	12648.275	441	376.07	35.17	0.02322485	0.0004	68.3425	0.306	0.32165872	0.012
08/25/95	05:35:06	12652.097	452	376.25	36.22	0.02312021	0.0004	64.5950	0.321	0.34865708	0.013
08/25/95	05:40:07	12601.4895	434.5	378.72	35.08	0.02127027	0.0004	69.2389	0.329	0.33966985	0.012
08/25/95	05:45:07	12612.4018	455.3	379.67	35.7	0.02322485	0.0004	71.0492	0.374	0.35513303	0.012
08/25/95	05:50:07	12421.6961	362.2	375.53	35.04	0.02059621	0.0004	82.4984	0.323	0.25369304	0.012
08/25/95	05:55:07	12467.2131	405.1	372.92	36.01	0.0252677	0.0004	69.2635	0.351	0.26422171	0.013
08/25/95	06:00:07	12507.0344	423.6	377.35	36.6	0.02752864	0.0004	76.1798	0.391	0.31043168	0.013
08/25/95	06:05:08	12408.7574	404	376.05	36.55	0.02522923	0.0004	85.9547	0.349	0.31319044	0.013
08/25/95	06:10:08	12380.5155	363.2	375.76	35.28	0.02294118	0.0004	75.0698	0.326	0.25420128	0.012
	06:15:08	12342.8262	357	373.51	35.81	0.02065399	0.0004	69.3911	0.297	0.2432823	0.012
08/25/95	06:20:08	12253.8953	309.2	373.03	34.74	0.01969065	0.0004	60.8939	0.274	0.21681475	0.012
08/25/95	06:25:09	12228.5276	308.4	373.61	35.44	0.0202423	0,0004	52.5656	0.277	0.21678854	0.012
08/25/95	06:30:09	12238.8349	322.8	374.38	35.56	0.02186225	0.0004	54.1743	0.304	0.2302606	0.012
08/25/95	06:35:09	12328.4592	325.4	375.03	34.85	0.01914306	0.0004	62.0040	0.328	0.22786772	0.012
08/25/95	06:40:09	12356.361	333.2	376.51	35.35	0.01872225	0.0004	68.5884	0.283	0.22259889	0.012
08/25/95	06:45:09	12462.7795	330.1	374.87	34,41	0.0163462	0.0004	56.5566	0.266	0.2082506	0.012
08/25/95	06:50:10	12442.8495	341.6	375.52	34.16	0.01591938	0.0004	49.8217	0.264	0.20531639	0.012
08/25/95	06:55:10	12413.5573	343.1	370.87	34.63	0.0168975	0.0004	50.1728	0.262	0.20865687	0.012
08/25/95	07:00:10	12458.5012	339.8	376.14	34.29	0.01743926	0.0004	48.9214	0.263	0.213304	0.012
	07:05:11	12495.6383	321.8	375.02	34.45	0.01656105	0.0004	49.9082	0.258	0.20374448	0.012
08/25/95	07:10:11	12474.5849	313.2	374.66	34.93	0.01754497	0.0004	48.6892	0.258	0.20530888	0.012
	07:15:11	12354.5081	306.9	374.74	34.31	0.01752829	0.0004	48.1233	0.252	0.19803707	0.012
	07:20:11	12298.0868	319.4	374.49	34.96	0.02087148	0.0004	43.8743	0.289	0.21632423	0.012
08/25/95	07:25:11	12315.9067	315.1	376.85	35.03	0.01857095	0.0004	56.8794	0.309	0.2332772	0.012
08/25/95		12490.5388		378.48			0.0004	63.6593	0.321		0.012
08/25/95		12669.1843		380.51	35.62	0.0216283	0.0004	66.5598	0.314		0.012
08/25/95		12704.4756		384.13	34.12	0.02205883	0.0004	65.1191	0.301	0.36359043	0.012
08/25/95		12765.0665	415.1	385.03	34.86	0.02183734	0.0004	59.9236	0.296	0.3719953	0.012
08/25/95		12841.8271	421.3		33.86	0.0221675	0.0004	58.2881	0.319	0.35870054	0.012
08/25/95		12943.294	416.1	383.88	33.64	0.02132661	0.0004	65.1289	0.317	0.33915839	0.012
	08:00:13	13092.3808	387	382.65	34.12	0.01830432	0.0004	65.1255	0.302	0.29864365	0.012
	08:05:13	13309.366		382.98	32.93	0.01745262	0.0004	61.7722	0.384	0.24717269	0.011
	08:10:14	13573.8638	371.2		33.71	0.01693933	0.0004	55.0123	0.257	0.25988203	0.012
	08:15:14	13758.358		384.50	33.07	0.01640843	0.0004	46.0235	0.271	0.30574372	0.012
	08:20:14	13784.5417		387.09	33.26	0.01510719	0.0004	54.0590	0.255	0.25463273	0.012
	08:25:14	13787.3398		383.37	32.75	0.01310713	0.0004	48.7524	0.239	0.23966172	0.012
	08:30:15	13968.6493		383.81	32.53	0.01233048	0.0004	43.0776	0.238	0.20231554	0.011
	08:35:15	14339.0269		389.98	32.63	0.01546773	0.0004	42,9093	0.238	0.25252993	0.011
08/25/95		14579.7416		387.94	31.94	0.01340773	0.0004	42.3844	0.238	0.23232333	0.011
08/25/95		14906.7222	378.4		31.3	0.01241952	0.0004	41.3929	0.238	0.23377275	0.011
08/25/95		15129.135	368.7		31.59	0.01241932	0.0004	37.9418	0.223	0.21624049	0.011
08/25/95		15511.8009		391.57	30.94	0.01134836	0.0004	40.3177	0.23	0.20250019	0.011
08/25/95		15900.7606	379.7	 -	30.88	0.01035074	0.0004	39.6130	0.23		0.011
0.20.00	20.00.10	10000.7000	0/3./	J32./4	90.00	0.01033631	0.0004	33.0130	0.23	0.22001432	0.011

Site: Bee	f Processi		ļ	j .	-	i	ſ				
	ata in ppm										-
Date	Time	N2O		CO		C2H4		H2S		DICLM	
<u> </u>		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 6	04.40.40										
08/21/95		0.5202678	0.059	0.17234843	0.018	0	0.009	. 0	1.637	0.06367224	0.007
	21:24:46	0.52031192	0.059	0.17758351	0.018	0	0.008	0	1.591	0.05963874	0.007
08/21/95	21:29:46	0.52014822 0.52066382	0.059	0.17756287	0.018	0	0.008	. 0	1.578	0.05526644	0.006
	21:39:47	0.5200836	0.059	0.18848562 0.17306631	0.018	0	0.008	0	1.603	0.05532607	0.007
	21:44:48	0.52103614	0.059	0.17300031	0.018	0	0.008	0	1.589	0.05247926	0.007
	21:49:47	0.52214097	0.059	0.1807496	0.018	0	0.008	. 0	1.576	0.05225829	0.007
	21:54:47	0.51940351	0.058	0.18019222	0.018	0	0.009	0	1.606	0.05227118	0.007
	21:59:47	0.52213964	0.059	0.18700551	0.019	0	0.009	0	1.593	0.05275361	0.007
08/21/95	22:04:48	0.5209666	0.059	0.19537623	0.019	o	0.009	0	1.618	0.05382478	0.007
08/21/95	22:09:48	0.52432885	0.059	0.1796882	0.019	0	0.009	0	1.628	0.0468465	0.007
08/21/95	22:14:49	0.52492563	0.059	0.19164126	0.019	0	0.009	, 0	1.63	0.05428371	0.007
08/21/95		0.52403471	0.059	0.17541095	0.019	0	0.009	. 0	1.609	0.04879853	0.007
	22:24:48	0.52584506	0.059	0.17227476	0.019	. 0	0.009	0	1.631	0.05478469	0.007
	22:29:48	0.52447433	0.059	0.17068496	0.019	0	0.009	0	1.635	0.05473349	0.007
	22:34:49	0.52536518	0.059	0.17340018	0.019	0	0.009	0	1.656	0.05285519	0.007
	22:39:49	0.5259374	0.059	0.18355083	0.019	0	0.01	0	1.646	0.05151726	0.008
	22:44:50	0.52564213	0.059	0.18015429	0.019	0	0.009	0	1.658	0.05148834	0.007
	22:49:50 22:54:49	0.52700366	0.059	0.17771564	0.019	0	0.01	0	1.655	0.05243708	0.008
	22:59:49	0.52941708 0.52609329	0.06 0.059	0.23201764	0.019	0	0.01	0	1.685	0.05101097	0.008
	23:04:50	0.52609329	0.059	0.17846855 0.18512205	0.019 0.019	0	0.01 0.01	0	1.669 1.726	0.05412122	0.008
	23:09:50	0.53171937	0.059	0.18454002	0.019	. 0	0.01	0	1.720	0.0553839	0.008
	23:14:49	0.53323291	0.06	0.18628654	0.02	0	0.01	0	1.695	0.05344376	0.008
08/21/95		0.53628164	0.06	0.19599752	0.02	0	0.01	0	1.734	0.0553263	0.008
08/21/95		0.52844491	0.06	0.20719681	0.019	0	0.01	0	1.702	0.05604055	0.008
	23:29:50	0.53446489	0.06	0.20949535	0.02	0	0.01	0	1.732	0.05297584	0.008
08/21/95	23:34:51	0.53636005	0.061	0.21010352	0.02	0	0.011	0	1.724	0.05293602	0.008
08/21/95	23:39:51	0.54029744	0.061	0.19358836	0.02	0	0.01	0	1.734	0.05468598	0.008
08/21/95	23:44:50	0.53864875	0.061	0.22206681	0.02	0	0.011	0	1.736	0.05524322	0.008
	23:49:51	0.53843812	0.061	0.20583801	0.02	0	0.01	0	1.739	0.05217042	0.008
	23:54:50	0.5365788	0.061	0.18954159	0.02	0	0.01	0	1.76	0.05326414	0.008
08/21/95		0.53017384	0.06	0.18400922	0.02	0	0.01	0	1.75	0.05605507	0.008
08/22/95		0.52654753	0.059	0.19424433	0.02	0	0.011	0	1.745	0.05268755	0.008
08/22/95		0.52785925	0.06	0.18735779	0.02	0	0.011	0	1.761	0.06033926	0.009
08/22/95 08/22/95	00:14:50	0.52335575	0.059	0.19191169	0.02	0	0.01	0	1.759	0.05467569	0.008
	00:19:50	0.52294119 0.52236123	0.059	0.1810181 0.17368292	0.019	0	0.011	0	1.755 1.749	0.05935557	0.009
·	00:29:51	0.52080697	0.059	0.17571764	0.019	0	0.011	0	1.749	0.06234211	0.009
$\overline{}$	00:34:52	0.52451613	0.059	0.17371704	0.019	0	0.011	0	1.787	0.06161122	0.008
08/22/95		0.52347685	0.059	0.18291077	0.02	0	0.011	0	1.769	0.05969473	0.008
08/22/95		0.52415432	0.059	0.17847039	0.019	0	0.011	- 0	1.761	0.06338814	0.009
08/22/95		0.52636062	0.059	0.16911711	0.02	, 0	0.011	0	1.788	0.06063307	0.009
08/22/95		0.52715538	0.059	0.16803897	0.019	0	0.011	0	1.783	0.05961616	0.009
08/22/95		0.5252003	0.059	0.16691567	0.019	0	0.011	- 0	1.787	0.06451744	0.009
08/22/95	01:04:51	0.52530947	0.059	0.16658817	0.02	0	0.011	- 0	1.814	0.06124244	0.009
08/22/95		0.52775	0.059	0.1656991	0.02	0	0.011	0	1.783	0.05901462	0.009
08/22/95		0.52915871	0.059	0.16594854	0.02	0	0.011	0	1.798	0.05957127	0.009
08/22/95		0.53231392	0.06	0.17034482	0.02	0	0.011	0	1.834	0.05849124	0.009
08/22/95		0.53337905	0.059	0.16803897	0.02	0	0.011	0	1.814	0.05557624	0.009
08/22/95	+	0.5350337	0.06	0.16579278	0.02	0	0.011	0	1.806	0.05217179	0.009
08/22/95		0.52715538	0.059	0.18365272	0.02	. 0	0.011	0	1.809	0.05710486	0.009
08/22/95		0.52943878	0.059	0.17091	0.02	0	0.011	0	1.815	0.05919056	0.009
08/22/95		0.52522077	0.059	0.16903531	0.02	0	0.011	0	1.783	0.0557631	0.009
08/22/95		0.5254779	0.059	0.16094737	0.02	0	0.011	0	1.787	0.06237256	0.009
08/22/95		0.52671592	0.059	0.16180661	0.02	0	0.011	0	1.806	0.05469826	0.009
08/22/95		0.52834107	0.059	0.1597665	0.02	0	0.012	0	1.83	0.05993968	0.009
08/22/95		0.53181112	0.059	0.15895462	0.02	0	0.011	0	1.842	0.05592848	0.009
08/22/95 08/22/95		0.53473007	0.059	0.16340792 0.17296425	0.02	0	0.011	0	1.813	0.0574873	0.009
08/22/95		0.53185417 0.53123485	0.059		0.02	0	0.011	0	1.824	0.05631141	0.009
00/22/90	UZ. 18.34	0.00123400	0.059	0.15737873	0.02	U	0.011	0	1.834	0.05202423	0.009

Site: Beel	Processir										
Upwind Da	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/22/95	02:24:54	0.52755263	0.059	0.15786324	0.02	0	0.011	0	1.81	0.05711799	0.009
08/22/95	02:29:53	0.53105087	0.059	0.15671602	0.02	0	0.012	0	1.844	0.05655262	0.009
08/22/95	02:34:53	0.53322597	0.059	0.15606349	0.02	0	0.011	0	1.862	0.05796644	0.009
	02:39:53	0.53201327	0.059	0.16232389	0.021	0	0.011	0	1.851	0.0539629	0.009
	02:44:54	0.53289169	0.059	0.17317077	0.021	0	0.011	0	1.865	0.05514923	0.009
	02:49:54	0.53224718	0.059	0.1640026	0.021	0	0.011	0	1.886	0.05350748	0.009
	02:54:54	0.53224718	0.059	0.15878236	0.02	0	0.011	0	1.884	0.05579134	0.009
	02:59:54	0.53311722	0.059	0.15780357	0.02	0	0.011	0	1.889	0.05100611	0.009
	03:04:55	0.53487246	0.059	0.15774389	0.021	0	0.011	0	1.884	0.05511795	0.009
	03.09:55	0.53312515	0.059	0.15820867	0.021	0	0.011	0	1.888	0.05719434	0.009
	03:14:55	0.53224718	0.059	0.1606312	0.02	0	0.011	0	1.858	0.05720515	0.009
	03:19:56	0.53168503	0.059	0.16112656	0.02		0.011	0	1.856	0.05515947	0.009
	03:24:56	0.53081466	0.059	0.1602562	0.021	0	0.011	0	1.884	0.04841413	0.009
	03:29:57	0.52931748	0.059	0.15809935	0.021	0	0.011	0	1.862	0.05219236	0.009
	03:34:57	0.5291172	0.059	0.15793083	0.021	0	0.011	0	1.872	0.05293346	0.009
	03:39:57	0.52891692	0.059	0.16710645	0.02	0	0.012	0	1.879	0.04606836	0.009
	03:44:57	0.52839931	0.059	0.1739613	0.021		0.012	0	1.87	0.0514717	0.009
	03:49:57	0.52839931	0.059	0.1647755	0.021	0	0.011	0	1.887	0.05257639	0.009
	03:54:56	0.528157	0.059	0.16344362	0.021	0	0.011	0	1.89	0.05625148	0.009
	03:59:57	0.52801564	0.059	0.16085604	0.021	0	0.012	0	1.893	0.05336559	0.009
	04:04:59	0.52658831	0.059	0.16026601	0.021	0	0.012	0	1.861	0.05316882	0.009
	04:04:59	0.52656651	0.059	0.14930672	0.021	0	0.012	0	1.885	0.05316682	0.009
	04:14:59	0.53320728	0.059	0.15191091	0.021	0	0.012	0	1.946	0.03338383	0.009
	04:19:59	0.53084355	0.059	0.15117383	0.021	0	0.012	- 0	1.888	0.04804161	0.009
	04:19:59	0.52943375	0.059	0.15117383	0.021		0.012	0	1.852	0.05281324	0.009
	04:29:58	0.5321449	0.059	0.15074005	0.021	0	0.011	- 0	1.884	0.03281324	0.009
	04:29:58	0.53366314	0.059	0.17861069	0.021	0	0.011		1.892	0.04693713	0.009
	04:39:58	0.5364693	0.039	0.17531535	0.021	0	0.011	0	1.092	0.045539532	0.009
	04:44:59	0.53941689	0.06	0.17331333	0.021	- 0	0.012	0	1.901	0.04313088	0.009
	04:49:59	0.53564222	0.059	0.1583195	0.021	.0	0.012	0			
	04:54:59	0.53564222	0.059	0.1557818	0.021	0	0.011	0	1.916	0.04973898 0.04510479	0.009
	04:59:58	0.55101578	0.061	0.15840891	0.021	0	0.012	0	1.885	0.04033409	0.009
	05:04:58	0.54331761	0.06	0.15580671	0.021	0	0.012	0	1.906		+
	05:09:57	0.54061278	0.061	0.18504632	0.021	0	0.012	. 0	1.891	0.04586377	0.009
	05:14:58	0.53977176	0.06	0.17721585	0.021	0	0.012	0	1.911	0.05004506	0.009
	05:19:58	0.5368722	0.06	0.17721565	0.022	0	0.011	0	1.911	0.03004508	0.009
	05:24:57	0.53701086	0.06	0.15679938	0.021	0	0.012	0		0.0471928	-
	05:29:57	0.53453965	0.06	0.15714126	0.021		0.012	-0	1.898		0.009
	05:29:57	0.53314446	0.06	0.13/14126	0.021	0	0.012	0	1.897	0.05090339	0.009
	05:39:58	0.53560196				0				0.04624763	0.009
	05:44:58	0.53504857	0.06	0.1574473	0.021	0	0.011	0	1.918	0.04649886	0.009
			0.06	0.18130639	0.021	0	0.012	0	1.893	0.04424482	0.009
08/22/95 08/22/95		0.53646099 0.54024651	0.06	0.16883379	0.022	0	0.012		1.905	0.04380377	0.009
08/22/95		0.54024651	0.059	0.16461565	0.022	0	0.012	0	1.947	0.04694034	0.009
08/22/95				0.17079225	0.022		0.012	0	1.931	0.04410332	: 0.01
08/22/95		0.54005473	0.06	0.18178348	0.022	0	0.012	0	1.912	0.04409492	0.009
08/22/95		0.54546694	0.06	0.18344283		0	0.012	- 0	1.927	0.04548259	0.009
08/22/95		0.539417	0.06	0.1699385	0.022	0	0.012	0	1.914	0.04548259	0.009
08/22/95		0.53993597	0.06	0.16898677	0.022	0	0.012	0	1.933	0.04832827	0.009
08/22/95		0.54265804	0.061	0.19186954	0.022	0	0.012	0	1.906	0.04202548	0.009
		0.54018352	0.061	0.20723954	0.022	0	0.012	0	1.903	0.04298142	0.009
08/22/95		0.54083643	0.061	0.20687614	0.022	0	0.011	0	1.914	0.04437688	0.009
08/22/95		0.5387796	0.061	0.2178229	0.022	0	0.012	0	1.932	0.04460132	0.009
08/22/95		0.53835844	0.061	0.22087054	0.022	0	0.012	0	1.934	0.04274914	0.009
08/22/95		0.53112563	0.06	0.22831925	0.022	0	0.012	00	1.889	0.03983442	0.009
08/22/95		0.53477151	0.062	0.28207847	0.022	0	0.011	0	1.913	0.04040496	0.009
08/22/95		0.53682417	0.061	0.21974248	0.022	0	0.012	0	1.931	0.04580669	0.009
08/22/95		0.53877758	0.061	0.24562554	0.022	0	0.011	0	1.907	0.04136965	0.009
08/22/95		0.5340057	0.06	0.21031676	0.022	0	0.012	0	1.918	0.04668902	0.009
08/22/95	07:14:59	0.53916543	0.063	0.30301011	0.022	0	0.012	0	1.921	0.04262263	0.009
08/22/95		0.54056083	0.063	0.29998691	0.022	0	0.012	0	1.922	0.0435046	0.009
08/22/95		0.53697711	0.06	0.22529221	0.022	0	0.012	0	1.922	0.04482027	0.009
08/22/95	07:29:59	0.53967488	0.063	0.30552334	0.022	0	0.012	0	1.937	0.04559565	0.009

Site: Bee	Processin										
	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S_		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/22/95	07:35:00	0.54149928	0.063	0.29681139	0.022	0	0.012	0	1.906	0.03814444	0.009
08/22/95	07:40:09	0.54309754	0.064	0.343734	0.022	0	0.011	00	1.939	0.03644513	0.009
08/22/95	07:45:01	0.53840973	0.063	0.32098338	0.022	0	0.011	0	1.903	0.03441046	0.009
08/22/95	07:50:01	0.53542757	0.062	0.28662657	0.022	0	0.011	0	1.864	0.03108654	0.009
08/22/95	07:55:02	0.53517209	0.061	0.26502932	0.022	0	0.011	0	1.899	0.03742614	0.009
08/22/95	08:00:02	0.53707032	0.061	0.24265685	0.022	0	0.011	0	1.892	0.03486762	0.009
08/22/95	08:05:02	0.53658717	0.06	0.21260589	0.021	0	0.011	0	1.898	0.0346889	0.009
08/22/95	08:10:02	0.53466456	0.06	0.19009324	0.021	0	0.011	0	1.915	0.03681691	0.009
08/22/95	08:15:01	0.53449412	0.06	0.18159235	0.021	0	0.011	0	1.892	0.03566211	0.009
08/22/95	08:20:01	0.53553436	0.06	0.17621161	0.021	0	0.011	0	1.896	0.04238278	0.009
08/22/95	08:25:01	0.5397972	0.073	0.56433343	0.022	0	0.011	0	1.949	0.03779019	0.009
08/22/95	08:30:02	0.53080516	0.06	0.1970936	0.021	0	0.011	0	1.87	0.04086488	0.009
08/22/95	08:35:02	0.53165182	0.06	0.18985999	0.02	0	0.011	. 0	1.874	0.04242253	0.009
08/22/95	08:40:02	0.53201988	0.06	0.18648685	0.021	0	0.011	0	1.901	0.04379532	0.009
08/22/95	08:45:02	0.5311993	0.061	0.17259857	0.02	0	0.011	0	1.889	0.04284751	0.008
08/22/95	08:50:02	0.53032037	0.06	0.17413669	0.02	0	0.01	0	1.899	0.0409798	0.008
08/22/95	08:55:03	0.53032037	0.06	0.17952009	0.02	0	0.011	0	1.893	0.03801343	0.009
08/22/95	09:00:03	0.52845266	0.06	0.1702914	0.02	0	0.011	0	1.848	0.04647307	0.008
08/22/95	09:05:03	0.53021051	0.06	0.17688332	0.019	0	0.011	0	1.855	0.04054034	0.009
08/22/95	09:10:03	0.52757374	0.06	0.18006942	0.019	0	0.011	0	1.846	0.04405603	0.009
	09:15:03	0.52438764	0.06	0.18885865	0.019	0	0.011	0	1.824	0.04779146	0.009
08/22/95	09:20:04	0.52372845	0.06	0.17160978	0.019	0	0.011	0	1.806	0.05130715	0.008
08/22/95	09:25:04	0.5223002	0.06	0.17139005	0.019	0	0.01	0	1.742	0.05152688	0.008
08/22/95	21:17:30	0.5223002	0.06	0.17139005	0.019	0	0.01	0	1.742	0.05152688	0.008
08/22/95	21:19:19	0.48582488	0.054	0.15699768	0.017	0	0.011	0	1.503	0	0.009
08/22/95	21:35:17	0.48791232	0.055	0.14667033	0.018	0	0.011	0	1.404		0.009
08/22/95	21:51:21	0.48923071	0.055	0.14875778	0.018	0	0.011	0	1.591	0	0.008
08/22/95	22:06:25	0.4898899	0.055	0.15370172	0.018	0	0.01	0	1.558	0	0.008
Downwind	Data										
Run 7											
08/22/95	22:15:08	0.50560575	0.056	0.17569524	0.019	0	0.011	0	1.549	0	0.009
	22:20:09	0.50826458	0.056	0.16024376	0.019	0	0.011	0	1.687	0	0.009
	22:25:09	0.50720906	0.056	0.15894312	0.019	0	0.011	0	1.618	0	0.009
	22:30:09	0.50850875	0.056	0.1574453	0.019	0	0.011	0	1.573	0	0.009
	22:35:09	0.50944643	0.056	0.1599642	0.019	0	0.012	0	1.648	0	0.009
	22:40:09	0.51301692	0.056	0.15830738	0.019	0	0.012	0	1.691	<u> </u>	0.009
	22:45:08	0.50448419	0.056	0.16735662	0.019	0	0.012	0	1.647	0	0.009
	22:50:08	0.50470368	0.056	0.16296694	0.019	0	0.012	0	1.683	0	0.009
08/22/95		0.50477866	0.056	0.16007316	0.019	0	0.012	0	1.586	0	0.009
	23:00:09	0.51024716	0.056	0.15690648	0.019	0	0.012	0	1.679	0	0.009
	23:05:09	0.50699065	0.056	0.15859876	0.019	0	0.012	0	1.882	0	0.01
08/22/95		0.50647177	0.056	0.15886736	0.02	0	0.012	0		0	0.009
08/22/95		0.51403396	0.056	0.15971262	0.02	0	0.012	0	3.911	0	0.01
08/22/95		0.51207794	0.057	0.15935446	0.019	0	0.014	0	3.026	0	0.011
08/22/95		0.5077161	0.057	0.16479177	0.02	0	0.012	0	2.003	0	0.01
08/22/95		0.51682821	0.056	0.16841452	0.02	0	0.012	0	2.075	0	
08/22/95		0.50906869	0.057	0.18305926	0.02	0	0.012	0	2.454		
08/22/95		0.51007863	0.057	0.16332567	0.02	0	0.012	0		0	0.009
08/22/95		0.51189732	0.057	0.16462041	0.02	0	0.012	0	1.667	0	0.009
08/22/95	ĺ	0.50854916	0.057	0.16245169	0.02	0	0.012	0	1.609	0	0.009
08/22/95		0.50970717	0.058	0.17233996	0.021	0	0.012	0	1.687	0	0.009
08/23/95	_	0.51150387	0.057	0.16359399	0.021	0	0.012	0	1.67	0	0.009
08/23/95		0.51425434	0.058	0.1705096	0.02	0	0.012	0	1.912	0	0.01
08/23/95	1	0.5114446	0.058	0.16804764	0.021	0	0.012	0	2.414		0.01
08/23/95		0.51560894	0.058	0.15981371	0.021	0	0.012	0	2.012	0	0.01
08/23/95	_	0.51703636	0.058	0.15869433	0.021	0	0.012	0	1.762	0	0.01
08/23/95		0.51290941	0.058	0.16748507	0.021	. 0	0.012	0	2.554	0	0.01
08/23/95		0.5139129	0.059	0.17721885	0.021	0_	0.013	0	4.749	0	0.011
08/23/95		0.51359804	0.059	0.16934913	0.021	. 0	0.014	0	3.228	0	0.011
08/23/95		0.51265395	0.058	0.16631612	0.021	0	0.013	0	2.517	0	0.01
08/23/95		0.51211008	0.059	0.17012323	0.021	0	0.012	0	2.35	0	0.01
08/23/95		0.51540683	0.058	0.17024406	0.021	l o	0.012	1 0	2.399	0	0.01

	f Processir										
	ata in ppm						<u> </u>	1100		DIOL 14	
Date	Time	N2O	0.704 01	co	224 21	C2H4	050/ 01	H2S	050/ 01	DICLM	058/ 61
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	00:55:09	0.51330097	0.059	0.16472976	0.022	0	0.012	0	2.299	0	0.01
	01:00:08	0.51309508	0.059	0.16730417	0.021	0	0.012	0	2.17	0	0.01
	01:05:09	0.51325554	0.059	0.1773519	0.021	0	0.012	0	2.195	<u> </u>	0.01
-	01:10:09	0.52007123	0.058	0.17375576	0.021	0	0.012	0	2.198	0	0.01
	01:15:10	0.51355871	0.058	0.16915693	0.021	0	0.012	0	2.013	0	0.01
	01:20:10	0.51164888	0.058	0.16631304	0.021	0	0.012	0	2.015	0	0.01
	01:25:10	0.51448438	0.058	0.16769345	0.021	0	0.012	0	2.503	0	0.009
	01:30:10	0.51033338	0.058	0.16699647	0.021	0	0.012	0	2.558	0	0.009
	01:35:09	0.51028523	0.058	0.1699501	0.021	0	0.012	0	2.39	0	0.009
	01:40:09	0.51886465	0.058	0.17019978	0.021	0	0.012	0	2.285	0	0.009
	01:45:11	0.51103437	0.058	0.16900349	0.021	0	0.012	0	2.219	0	0.009
	01:50:10	0.51844023	0.058	0.1666881	0.021	0	0.012	0	2.51	0	0.01
	01:55:10	0.51160188	0.058	0.16589555	0.021	. 0	0.014	0	2.748	0	0.011
	02:00:11	0.51435346	0.058	0.16916949	0.021	0	0.013	0	2.679	0	0.01
	02:05:11	0.51219203	0.058	0.16783387	0.021	0	0.013	0	2.842	0	0.01
08/23/95		0.51288924	0.058	0.16303908	0.021	0	0.015	0	3.292	0	0.012
	02:15:10	0.51302022	0.058	0.16427932	0.021	0	0.016	0	3.39	0	0.013
J	02:20:10	0.51250015	0.058	0.168881	0.021	0	0.014	0	3.195	0	0.011
	02:25:11	0.51236918	0.058	0.16894511	0.021	0	0.015	0	2.91	0	0.012
	02:30:11	0.51293402	0.058	0.16747095	0.021	0	0.017	0	3.273	0	0.013
08/23/95	02:35:11	0.51291171	0.058	0.16579841	0.021	0	0.016	0	3.732	0	0.013
08/23/95	02:40:10	0.51427827	0.059	0.16766167	0.021	0	0.016	0	4.693	0	0.013
08/23/95	02:45:11	0.516135	0.059	0.16502423	0.021	0	0.016	0	5.566	0	0.013
08/23/95	02:50:11	0.51599996	0.059	0.16076217	0.022	0	0.017	0	5.638	0	0.014
08/23/95	02:55:11	0.51449295	0.059	0.16777651	0.022	0	0.016	0	4.601	0	0.013
	03:00:11	0.51389691	0.059	0.21371689	0.022	0	0.015	0	4.174	0_	0.012
08/23/95	03:05:12	0.51480752	0.059	0.20596637	0.022	0	0.017	0	4.697	0	0.014
08/23/95	03:10:12	0.51609799	0.059	0.17261092	0.022	0	0.015	0	4.117	. 0	0.012
08/23/95	03:15:12	0.51895612	0.059	0.16500421	0.022	0	0.017	0	4.531	0	0.014
08/23/95		0.52102389	0.059	0.16356467	0.022	0	0.017	0	5.254	0	0.014
08/23/95	03:25:11	0.51953586	0.059	0.1655283	0.022	0	0.017	0	4.443	0	0.014
08/23/95	03:30:12	0.5145971	0.059	0.16529417	0.022	0	0.016	0	3.387	0	0.013
	03:35:12	0.51693624	0.058	0.16237308	0.022	0	0.014	0	2.638	0	0.011
08/23/95	03:40:12	0.51496189	0.059	0.17565346	0.022	0	0.014	0	3.405	0	0.011
	03:45:12	0.51477559	0.059	0.16604619	0.022	0	0.014	0	2.728	0	0.011
08/23/95	03:50:12	0.51588481	0.059	0.16400775	0.022	0	0.016	0	3.108	0	0.013
08/23/95	03:55:11	0.51599278	0.059	0.16595122	0.022	0	0.017	0	4.187	0	0.014
08/23/95	04:00:12	0.51603304	0.059	0.16530788	0.022	0	0.018	0	5.478	0_	0.014
	04:05:12	0.51941538	0.058	0.16241882	0.022	0	0.017	0	4.843	0	0.013
08/23/95	04:10:12	0.51594031	0.059	0.16385762	0.022	0	0.017	0	5.039	0	0.013
08/23/95		0.51486001	0.059	0.16797389	0.022	0	0.017	0	4.889	0	0.013
08/23/95	04:20:12	0.514884	0.058	0.16530087	0.022	0	0.016	0	4.101	0_	0.013
08/23/95		0.51584965	0.058	0.1627286	0.022	0	0.016	0	4.661	0	0.013
08/23/95		0.51610836	0.058	0.16444789	0.022	0	0.017	. 0	5.231	0	0.014
08/23/95		0.51635592	0.059	0.16489587	0.022	0	0.016	0	4.758	0	0.013
08/23/95		0.51622453	0.059		0.022	0	0.017	0	5.219	0	0.014
08/23/95		0.51908101	0.058	0.16797301	0.022	D	0.017	0	4.696	0	0.014
08/23/95	04:50:13	0.51515114	0.058	0.16720198	0.022	0	0.016	0	4.71	0	0.013
08/23/95		0.51481556	0.058	0.1695098	0.022	0	0.017	0	4.301	0	0.013
08/23/95		0.51499007	0.059	0.18156979	0.022	0	0.015	0	3.74	0	0.012
08/23/95	05:05:13	0.51593014	0.059		0.022	0	0.016	0	4.297	0	0.013
08/23/95		0.51920829	0.058	0.16996602	0.022	0	0.016	0	4.082	0	0.013
08/23/95	05:15:12	0.51455317	0.058	0.16401179	0.022	0	0.016	0	3.651	o	0.012
08/23/95		0.51756481	0.058	}	0.022	0	0.015	0	3.585	Ö	
08/23/95	05:25:13	0.51405688	0.058	0.16539127	0.022	Ö	0.015	0	3.543	ō	0.012
08/23/95		0.51760335	0.058	0.16646159	0.022	0	0.015	0		0	0.012
08/23/95		0.51428425	0.059	0.16893577	0.022	0	0.015	0		ō	0.012
08/23/95		0.51363094	0.059	0.19002939	0.022	Ö	+	0		0	0.01
08/23/95		0.51364123	0.059	0.20480768	0.022	0	0.012	0		 	0.01
08/23/95		0.51403267	0.059	0.18245454	0.022	<u>o</u>	0.015	0		- 0	0.012
08/23/95		0.5151719	0.059	0.18327814	0.022	0	 	0		0	
08/23/95		0.5145115	0.059	0.17962941	0.022	0	+	0		0	-
			J.555	7.1.500071			0.010		. 0.710		

Site: Bee	Processin										
Upwind D	ata in ppm										
Date	Time	N2O		co		C2H4	<u> </u>	H2S		DICLM	
	[ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	06:05:13	0.51380781	0.058	0.17459489	0.022	0	0.014	0	3.311	0	0.011
08/23/95	06:10:13	0.5136885	0.058	0.16855404	0.022	0	0.015	0	3.909	0	0.012
08/23/95	06:15:13	0.51457759	0.059	0.21001618	0.022	0	0.015	0	3.702	0	0.012
08/23/95	06:20:14	0.51400142	0.059	0.21027823	0.022	0	0.013	0	2.562	0	0.01
08/23/95	06:25:14	0.51629441	0.06	0.25415078	0.023	0	0.012	0	2.073	0	0.01
08/23/95	06:30:14	0.51635086	0.06	0.2293694	0.023	0	0.012	0	2.416	0	0.01
08/23/95	06:35:14	0.51625226	0.059	0.20268241	0.023	0	0.012	0	2.691	0	0.01
08/23/95	06:40:14	0.51527199	0.06	0.25094695	0.023	0	0.013	0	2.897	0	0.011
08/23/95	06:45:13	0.51394793	0.059	0.2038088	0.022	0	0.013	0	3.012	0	0.01
08/23/95	06:50:15	0.51418191	0.059	0.20772733	0.022	0	0.015	0	3.844	0	0.012
08/23/95	06:55:15	0.51407813	0.059	0.19371374	0.022	0	0.015	0	3.61	0	0.012
08/23/95	07:00:15	0.51360178	0.06	0.24080843	0.022	0	0.014	0	3.237	0	0.011
	07:05:15	0.51298648	0.059	0.22019192	0.022	0	0.014	0	2.858	0	0.011
08/23/95	07:10:15	0.51403551	0.06	0.23245227	0.022	0	0.014	0	2.997	0	0.011
	07:15:15	0.51386049	0.06	0.24849566	0.022	0	0.015	0	3.327	0	0.012
	07:20:16	0.51408697	0.06	0.2366638	0.022	0	0.016	0	3.434	0	0.012
	07:25:16	0.51373169	0.06	0.23128203	0.022		0.015	0	3.804	0	0.012
	07:30:16	0.51386347	0.06	0.25152492	0.022	0	0.014	0	3.151	0	0.011
08/23/95		0.5174029	0.061	0.27428196	0.022	Ö	0.015	0	3.642	0	0.012
	07:40:16	0.52355294	0.061	0.24581119	0.022		0.015	0	3.52	0	0.012
Run 8	51.70.10	3.02000234	0.001	3.24301118	5.522		3.3.3		5.02	<u> </u>	
08/23/95	00.54.40	0.50057998	0.058	0.28848663	0.017	0	0.021	0	1.825	0	0.017
08/23/95		0.50297227	0.059	0.32708085	0.017	0.02944389	0.022	0	1.926	0	0.018
	10:04:51	0.49933981	0.059	0.31861479	0.017	0.02344385	0.022	0	1.855	0	0.018
			0.059				0.023	0	1.821	0	0.018
	10:09:50	0.49861854	0.059	0.31931889	0.017	0.02791558	0.023	0	1.95	0	0.018
	10:14:50	0.49772317		0.31708446	0.017	0			1.804	0	0.017
-	10:19:49	0.49693062	0.057	0.25117262	0.017		0.02	0			
	10:24:56	0.49571509	0.056	0.21459623	0.017	0	0.018	0	1.75	0	0.015
08/23/95	10:29:49	0.49811039	0.056	0.20572202	0.017	<u></u>	0.019	0	1.76	0	0.015
08/23/95	10:34:48	0.4948847	0.056	0.21407001	0.017		0.018	0	1.704	0	0.015
Run 9	40 44 74	0.40744940	0.050	5 54 4554 45		2 22225			4 800		0.045
	10:44:51	0.49741219	0.056	0.21433118	0.017	0.02269519	0.019	0	1.828	0	0.015
	10:49:51	0.49589818	0.056	0.20607029	0.017	0.04132485	0.02	<u> </u>	1.771	0	0.016
	10:54:50	0.49532532	0.056	0.20067878	0.016	0	0.02	. 0	1.748	0	0.016
	10:59:50	0.49545201	0.055	0.19920121	0.017		0.021	0	1.829	0	0.016
	11:04:50	0.49487822	0.056	0.20755821	0.016	0	0.02	0	1.648	0	0.016
	11:09:50	0.49763284	0.056	0.20326942	0.017		0.019	0	1.753	0	0.015
	11:14:50	0.49637428	0.056	0.20500968	0.016	0	0.02	0	1.706	0	0.016
	11:19:51	0.49439772	0.056	0.20086641	0.017	. 0	0.019	0	1.596	0	0.015
	11:25:03	0.49751953	0.056	0.20171812	0.016	0	0.02	0	1.785	0	0.016
		0.49675919	0.056	0.20201688	0.017	0	0.02	0	1.666	0	0.016
08/23/95	11:34:54	0.49575626	0.056	0.19890288	0.016	0	0.021	0	1.557	0	0.017
Run 10									L		ļl
08/23/95		0.4941739	0.056	0.19882734	0.017	0	0.011	0	1.931	0.0497625	: 0.009
08/23/95		0.49659638	0.055	0.1977468	0.017	0	0.011	0	1.94	0.02708708	0.009
08/23/95	11:54:50	0.49934878	0.055	0.19370233	0.017	0	0.01	0	1.881	0.01871305	0.008
08/23/95	11:59:49	0.49467052	0.055	0.19960585	0.017	0	0.01	0	1.948	0.02517351	0.008
08/23/95	12:04:50	0.49834075	0.055	0.19804278	0.017	0	0.01	0	1.861	0.02787764	0.008
08/23/95		0.49339317	0.055	0.1967772	0.016	0	0.01	0	1,699	0.02420672	0.008
08/23/95	12:14:50	0.49410335	0.055	0.20897081	0.016	0	0.01	0	1.708	0.02575894	0.008
08/23/95	12:19:50	0.49877252	0.055	0.19073008	0.017	0	0.01	0	1.78	0.00902403	0.008
08/23/95	12:24:52	0.4949549	0.055	0.19510392	0.016	_ 0	0.011	0	1.834	0.01584034	0.008
08/23/95	12:29:52	0.49197701	0.056	0.23632328	0.016	0	0.011	0	1.705	0.01541967	0.009
08/23/95	12:34:51	0.4976041	0.055	0.2384702	0.016	0	0.011	0	1.991	0	0.009
08/23/95		0.49229654	0.055	0.20313804	0.017	0	0.011	0	1,966	0.01420624	-
08/23/95		0.49176301	0.054	0.19511562	0.016	0	0.011	0	1.974	0.01242561	0.009
08/23/95		0.491492	0.055	0.19221108	0.017	0	0.011	0	1.788	0.00995738	+
08/23/95		0.49559712	0.054	0.19133813	0.017	0	0.011	0	1.858	0.01299486	+
08/23/95		0.4958631	0.055	0.19149185	0.016	0	0.011	Ö	1.81	0.00996653	
08/23/95		0.4942741	0.055	0.1938791	0.016	0	0.011	ō	2	0.01332849	
08/23/95		0.49601682	0.055	0.19511562	0.016	0	0.01	0	1.814	0.01264949	- -
08/23/95		0.49230503	0.054	0.1965634	0.016	0		5		0.01204345	
00123133	10.17.04	JJ2J0J0J	U.U.U	0.1000004	0.070		J. 0.011		1,723	0.0127733	, 0.000

						·					
Site: Bee	f Processir										
Upwind D	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
	11111	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
00/02/05	13:19:53	0.49332471	0.055	0.19423117	0.016	0	0.011	0	1.839	0.01268678	0.009
08/23/95	13:24:51	0.49292188	0.055	0.19759562	0.016	0	0.011	0	1.911	0.01460343	0.009
08/23/95	13:29:52	0.4958588	0.054	0.19805177	0.016	0	0.011	0	1.958	0	0.009
08/23/95	13:34:52	0.49403752	0.055	0.19431843	0.016	0.	0.01	0	1.724	0.01054007	0.008
	13:39:52	0.49291947	0.054	0.19225206	0.016	0	0.01	0	1.659	0.01481452	0.008
	13:44:51	0.4957679	0.054	0.19509852	0.016	0	0.01	0	1.739	0.00953616	0.008
						0	0.011	0	1.814		
	13:49:52	0.49477964	0.054	0.20156858	0.016					0	0.008
08/23/95	13:54:52	0.49249603	0.054	0.19807761	0.016	0	0.01	0	1.622	0.01911078	0.008
08/23/95	13:59:52	0.49334921	0.054	0.19111524	0.016	0	0.011	0	1.703	0.0146061	0.008
08/23/95	14:04:52	0.49963201	0.054	0.19560109	0.015	0	0.011	0	1.944	0.01563459	0.009
08/23/95	14:09:53	0.49061184	0.054	0.18910285	0.016	0	0.011	0	1.713	0.00965727	0.008
08/23/95	14:14:53	0.49369046	0.055	0.18988095	0.016	0	0.01	0	1.679	0	0.008
			0.054	0.1923674	0.015	0	0.011		1.712	0	0.008
08/23/95	14:19:53	0.49448215									
	14:24:54	0.49254608	0.054	0.19307806	0.015	0	0.011	0	1.665	0	0.008
08/23/95	14:29:53	0.49299426	0.054	0.19486028	0.015	0	0.011	0	1.425	0	0.009
08/23/95	14:34:56	0.49207344	0.054	0.1904619	0.015	0	0.011	0	1.603	0	0.009
08/23/95	14:39:53	0.49286536	0.054	0.1893386	0.015	0	0.011	0	1.844	0	0.009
	14:44:52	0.4946897	0.054	0.18767586	0.015	0	0.011	0	1.656	0	0.009
08/23/95		0.49196203	0.054	0.19121202	0.015	0	0.011	0	1.764	0	0.009
	14:54:53	0.49174035	0.054	0.18607608	0.016	0	0.011	0	1.61	0	0.009
08/23/95	14:59:54	0.4922576	0.054	0.18282245	0.015	0	0.011	0	1.628	0	0.009
08/23/95	15:04:54	0.48991515	0.054	0.17929768	0.016	0	0.011	0	1.844	0	0.009
08/23/95		0.4905955	0.054	0.17715948	0.016	0	0.011	· · · _ · · o	1,66	Ö	0.009
	15:14:55	0.49390734	0.054	0.18057677	0.015	0	0.011	0	1.779	0	0.009
08/23/95	15:19:55	0.49135312	0.054	0.17880735	0.015	0	0.011	0	1.539	0	0.009
	15:24:55	0.49211221	0.054	0.17950551	0.015	0	0.011	0	1.38	0	0.009
08/23/95	15:29:58	0.4949411	0.054	0.17348451	0.016	0	0.011	0	1.36	0	0.009
08/23/95	15:34:56	0.49025157	0.054	0.17984957	0.015	0	0.012	0	1.586	0	0.01
08/23/95	15:39:56	0.49020513	0.054	0.17398385	0.015	0	0.012	0	1.589	0	0.01
08/23/95	15:44:57							0	1.563		
		0.49052052	0.055	0.21944042	0.015	0	0.011			0	0.009
	15:49:57	0.49526648	0.054	0.17521167	0.016	0	0.012	0	1.457	. 0	0.01
08/23/95	15:54:57	0.49468427	0.054	0.16685018	0.016	0	0.013	0	1.372	0	0.01
08/23/95	15:59:58	0.4955874	0.054	0.17194541	0.016	0	0.012	0	2.017	0	0.01
08/23/95	16:05:04	0.49234958	0.054	0.17249213	0.016	0	0.011	0	1.847	0	0.009
Run 11	1912191		<u> </u>	0	3.0.0	<u>-</u>			11011		1
	16:50:50	0.40000000	0.054	0.17520005	0.045		0.011		1.557		0.000
	16:59:50	0.48866608	0.054	0.17530825	0.015	0	0.011		1.557	0	0.009
08/23/95	17:04:50	0.49362888	0.054	0.16986175	0.015	0	0.013	0	1.383	0	0.01
08/23/95	17:09:51	0.48910225	0.054	0.17427521	0.015	0	0.013	0	1,466	0	0.011
08/23/95	17:14:51	0.48995977	0.054	0.16958404	0.016	0	0.013	0	1.481	0	0.01
	17:19:51	0.48887591	0.054	0.16940908	0.015	0	0.013	0	1.346	0	0.01
	17:24:52	0.49216321	0.054	0.17484299	0.015	0	0.013	0	1.509	0	0.011
08/23/95		0.4900422	0.054	0.17770388	0.015	0	0.014		1.295	0	+
08/23/95		0.49537636	0.054	0.17244759	0.015	0	0.014	0		0	0.011
08/23/95		0.48988183	0.054	0.17267995	0.015	0	0.013	0	1.301	_ 0	0.011
08/23/95	17:44:52	0.489876	0.054	0.1718188	0.016	0	0.014	. 0	1.655	0	0.011
08/23/95		0.49320493	0.054	0.17243504	0.016	0	0.014	0	1.685	0	+
08/23/95		0.49444954	0.054	0.17707404	0.015	0	0.014		1.571	0	+
					_						
08/23/95		0.4900422	0.054	0.16673869	0.016	0	0.014	0	1.279	0	+
08/23/95		0.494315	0.054	0.17276151	0.015	0	0.014	0	1.594	0	0.011
08/23/95		0.49979796	0.054	0.18082858	0.015	0	0.015	0	1.976	0	0.012
08/23/95		0.49194236	0.054	0.17088405	0.015	0	0.014	0	1.707	0	+
08/23/95		0.49162789	0.054	0.17313705	0.016	0	0.014	ō	1.382	0	+
08/23/95		0.49264949							·	 	·
			0.054	0.16896003	0.016	0	0.014	. 0		0	·+
08/23/95	18:29:53	0.4922665	0.054	0.16852875	0.016	0	0.015	0	1.823	0	+
08/23/95		0.49389188	0.054	0.16824144	0.015	0	0.015	0	1.849	0	0.012
08/23/95		0.49278617	0.054	0.17554379	0.015	0	0.015	0		0	0.012
08/23/95		0.4921142	0.054	0.17114563	0.016	0	0.013	0	1.566	0	
Run 12			0.004	3.17.14303	0.010	-	5.013	-	1.300	 	3.01
	10.01	0.46====	4	- 10-0	<u> </u>			<u> </u>	<u> </u>		
08/23/95		0.49578749	0.056	0.16792621	0.016	0	0.019	1.54194974	1.207	0	
08/23/95		0.49945163	0.055	0.16468405	0.016	0	0.019	0	1.33	0	0.015
08/23/95	19:34:52	0.49634456	0.056	0.1731696	0.016	Ö		n	1.296	0	+
08/23/95		0.49674534	0.056	0.17262463	0.016	0		1.64308075		0	
		3, 1001 7007	0.550	J. 11EUC403	, 0.010	<u> </u>	0.013	1.073000/3	1.202	<u> </u>	1 0.010

DBMZ3995 21:19:53 0.50504883 0.056 0.16276876 0.018 0 0.019 0 1.399 0 0.015	Site: Bee	Processir										
Dec	Upwind D	ata in ppm							_			
0802399 19-4452	Date	Time	N2O		CO		C2H4		H2S		DICLM	
08/23/98 19:49-52 0.50:00118 0.055 0.16770799 0.016 0.019 1.90:27998 12:57 0.056 0.7274091 0.016 0.019 1.90:27998 12:57 0.056 0.07274091 0.016 0.019 1.90:27998 1.2075 0.056 0.056 0.056:0551 0.016 0.019 0.019 0.015 0.056 0.056:0551 0.016 0.019 0.019 0.015 0.056 0.056:0551 0.016 0.019 0.019 0.015 0.056 0.056:0551 0.016 0.019 0.019 0.015 0.056 0.056:0551 0.016 0.019 0.019 0.015 0.056 0.056:0551 0.016 0.019 0.015 0.056 0.056:0551 0.017 0.019 0.015 0.056 0.056:0551 0.017 0.019 0.015 0.056 0.056:0551 0.017 0.019 0.015 0.056 0.056:0551 0.057 0.056:0551 0.019 0.015 0.056 0.056:0551 0.057 0.056 0.056:05591 0.056:05591 0.057 0.056 0.056:05591 0.057 0.056 0.05591 0.056:05591 0.057 0.056 0.05591 0.056:05591 0.057 0.056 0.05591 0.055			ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ρpm	95% CI
08/23/98 19:5451 0.49714897 0.056 0.17274091 0.016 0. 0.019 2.2041281 1.232 0. 0.015 0.002399 2.004325 0.5050 0.5050 0.5050 0.016 0. 0.019 2.2041281 1.232 0. 0.015 0.002395 2.004325 0.49779991 0.056 0.1680554 0.016 0. 0.019 0. 1.241 0. 0.015 0.002395 2.004325 0.49779991 0.056 0.1680554 0.016 0. 0.019 0. 1.241 0. 0.015 0.002395 2.014325 0.0560 0.16805644 0.017 0. 0.019 0. 1.241 0. 0.015 0.002395 2.014325 0.0560 0.16805644 0.017 0. 0.019 0. 1.241 0. 0.015 0.002395 0.0023	08/23/95	19:44:52	0.49608527	0.056	0.16659664	0.016	0	0.019	1.82874611	1.211	0	0.015
082295 092495 0.0955 0.0957829 0.055 0.17110847 0.016 0 0.019 2.20412815 1.232 0 0.015 082295 0.095295 0.095798 0.056 0.0560551 0.016 0 0.019 0 1.246 0 0.015 082295 0.09551 0.49778991 0.056 0.18850644 0.016 0 0.019 0 1.246 0 0.015 082295 0.09525 0.498778991 0.056 0.18850644 0.016 0 0.019 0 1.241 0 0.015 082295 0.0952 0.49807101 0.055 0.1685064 0.017 0 0.019 0 1.241 0 0.015 082295 0.0952 0.09	08/23/95	19:49:52	0.5030118	0.055	0.16770799	0.016	0	0.019	1.52788151	1.258	0	0.015
08/23/95 (200452 0.498/27494	08/23/95	19:54:51	0.49714857	0.056	0.17274091	0.016	0	0.019	1.90227986	1.207	0	0.015
0.002395 02.0451	08/23/95	19:59:52	0.50077523	0.055	0.17110847	0.016	0	0.019	2.20412815	1.232	0	0.015
B0823995 2014-152 0.94901013 0.056 0.16671915 0.017 0.019 0.1291 0.015	08/23/95	20:04:52	0.49827849	0.056	0.16605551	0.016	0	0.019	0	1.315	0	0.015
0822995 20-19-22 0.9400917 0.055 0.16521045 0.017 0 0.019 0 1.291 0 0.015 0822995 20-29-51 0.49807580 0.056 0.16482451 0.017 0 0.019 0 1.292 0 0.015 0822995 20-29-51 0.49807882 0.056 0.16482451 0.017 0 0.019 0 1.282 0 0.015 0822995 20-29-51 0.49807882 0.056 0.16482451 0.017 0 0.019 0 1.242 0 0.015 0822995 20-39-51 0.49805873 0.056 0.16482451 0.017 0 0.019 0 1.242 0 0.015 0822995 20-39-51 0.49805873 0.056 0.16482451 0.017 0 0.019 0 1.242 0 0.015 0822995 20-49-52 0.500104419 0.056 0.16482461 0.017 0 0.019 0 1.242 0 0.015 0822995 20-49-52 0.500104419 0.056 0.161478363 0.017 0 0.019 0 1.263 0 0.015 0822995 20-59-53 0.50036466 0.056 0.16547516 0.018 0 0.019 0 1.263 0 0.015 0822995 21-04-55 0.49804375 0.056 0.15620370 0.017 0 0.019 0 1.263 0 0.015 0822995 21-04-55 0.50036466 0.056 0.15520370 0.017 0 0.019 0 1.328 0 0.015 0822995 21-04-55 0.50036466 0.056 0.15520370 0.017 0 0.019 0 1.328 0 0.015 0822995 21-04-55 0.50036468 0.056 0.15620370 0.017 0 0.019 0 1.328 0 0.015 0822995 21-14-55 0.50036488 0.056 0.15620655 0.016 0.019 0 1.319 0 0.015 0822995 21-14-55 0.50036488 0.056 0.15620655 0.016 0 0.019 0 1.319 0 0.015 0822995 21-14-55 0.50036488 0.056 0.15620655 0.016 0 0.019 0 1.345 0 0.015 0822995 21-255 0.50036488 0.056 0.15620655 0.016 0 0.019 0 1.345 0 0.015 0822995 21-255 0.50036466 0.056 0.15620655 0.016 0 0.019 0 1.345 0 0.015 0822995 21-255 0.50036466 0.056 0.15620655 0.016 0.019 0 0.019 0 0.1445 0 0.015 0822995 21-255 0.5003666 0.056 0.15620655 0.016 0.019 0 0.019 0 0.015 0822995 21-255 0.5003666 0.056 0.15620655 0.016 0.016 0.	08/23/95	20:09:51	0.49779891	0.056	0.16850644	0.016	0	0.019	0	1.246	0	0.015
0.00000000000000000000000000000000000	08/23/95	20:14:52	0.49801013	0.056	0.16611516	0.017	0	0.019	0	1.241	0	
08/23/95 20:29:51 0.49857892 0.056 0.16484545 0.017 0 0.019 0 1.282 0 0.015 08/23/95 20:39:51 0.49858743 0.056 0.16478363 0.017 0 0.019 0 1.242 0 0.015 08/23/95 20:49:52 0.49958743 0.056 0.16478363 0.017 0 0.019 0 1.242 0 0.015 08/23/95 20:49:52 0.49958743 0.056 0.16478363 0.017 0 0.019 0 1.242 0 0.015 08/23/95 20:49:52 0.49968775 0.056 0.1647846 0.017 0 0.019 0 1.263 0 0.015 08/23/95 20:49:52 0.49968775 0.056 0.1614746 0.017 0 0.019 0 1.263 0 0.015 08/23/95 20:49:52 0.49968775 0.056 0.1614746 0.017 0 0.019 0 1.263 0 0.015 08/23/95 20:49:52 0.49968775 0.056 0.1614746 0.017 0 0.019 0 1.263 0 0.015 08/23/95 20:49:52 0.49968775 0.056 0.1622007 0.017 0 0.019 0 1.265 0 0.015 08/23/95 21:09:52 0.5013464 0.056 0.1622007 0.017 0 0.019 0 1.236 0 0.015 08/23/95 21:14:52 0.5013464 0.056 0.1622007 0.017 0 0.019 0 1.331 0 0.015 08/23/95 21:14:53 0.5004868 0.056 0.1622007 0.016 0 0.019 0 1.331 0 0.015 08/23/95 21:14:55 0.5004868 0.056 0.1622007 0.016 0 0.019 0 1.339 0 0.015 08/23/95 21:24:55 0.5016866 0.056 0.1638083 0.016 0 0.019 0 1.345 0 0.015 08/23/95 21:24:55 0.5016866 0.056 0.1638083 0.016 0 0.019 0 1.345 0 0.015 08/23/95 21:34:55 0.5016866 0.056 0.1638083 0.016 0 0.019 0 1.345 0 0.015 08/23/95 21:34:55 0.5016866 0.056 0.1638083 0.016 0 0.019 0 1.345 0 0.015 08/23/95 21:34:55 0.5016866 0.056 0.1630267 0.016 0 0.019 0 1.346 0 0.015 08/23/95 21:34:55 0.5016866 0.056 0.1630267 0.016 0 0.019 0 0 1.419 0 0.015 08/23/95 21:34:55 0.50064839 0.056 0.1630267 0.016 0 0.019 0 0 0 0 0 0 0 0 0	08/23/95	20:19:52	0.50400917	0.055	0.16521045	0.017	0	0.019	0	1.291	0	0.015
00023995 203452 0.50151904 0.056 0.16334491 0.017 0 0.019 0 1.312 0 0.015	08/23/95	20:24:51	0.49870566	0.056	0.16690507	0.017	0	0.019	0	1.239	0	0.015
0822395 2039:51 0.49986743 0.056 0.16478653 0.017 0 0.019 0 1.242 0 0.015	08/23/95	20:29:51	0.49857892	0.056	0.16485451	0.017	0	0.019	0	1.282	0	0.015
08/23/95 20:44:51 0.50045988 0.056 0.17030774 0.017 0 0.019 0 1.247 0 0.015 08/23/95 20:54:52 0.49984375 0.056 0.1692456 0.017 0 0.019 0 1.223 0 0.015 08/23/95 20:54:52 0.49984375 0.056 0.1692456 0.017 0 0.019 0 1.323 0 0.015 08/23/95 20:54:52 0.49984375 0.056 0.1692456 0.017 0 0.019 0 1.328 0 0.015 08/23/95 20:54:53 0.50104452 0.055 0.16820307 0.017 0 0.019 0 1.328 0 0.015 08/23/95 21:04:53 0.50104452 0.055 0.16820307 0.017 0 0.019 0 1.31 0 0.015 08/23/95 21:05:52 0.501302 0.056 0.17124366 0.016 0 0.019 0 1.31 0 0.015 08/23/95 21:15:53 0.50504883 0.056 0.16276676 0.018 0 0.019 0 1.319 0 0.015 08/23/95 21:15:33 0.50504883 0.056 0.16276676 0.018 0 0.019 0 1.399 0 0.015 08/23/95 21:25:13 0.50168060 0.056 0.1693183 0.018 0 0.019 0 1.364 0 0.015 08/23/95 21:25:13 0.50168060 0.056 0.1693183 0.018 0 0.019 0 1.364 0 0.015 08/23/95 21:34:15 0.50216776 0.056 0.1693183 0.016 0 0.019 0 1.416 0 0.015 08/23/95 21:34:52 0.5003034 0.056 0.16903267 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:45:52 0.5003034 0.056 0.16903667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:45:52 0.50030343 0.056 0.1676573 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:45:52 0.50030343 0.056 0.1676573 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:45:52 0.50034033 0.056 0.16776577 0.018 0 0.019 0 0.1419 0 0.015 08/23/95 21:45:52 0.50047904 0.056 0.16786584 0.018 0 0.019 0 0.020 0 1.471 0 0.016 08/23/95 22:45:52 0.5056418 0.056 0.16876573 0.018 0 0.020 0 1.471 0 0.016 08/23/95 22:45:52 0.5056418 0.056 0.16876573 0.018 0 0.020 0 1.471 0 0.016 08/23/95 22:45:51 0.5054618 0.056 0.16886	08/23/95	20:34:52	0.50151904	0.056	0.16334491	0.017	0	0.019	0	1.312	0	0.015
08/23/95 20-45/52 0.50010449 0.056 0.1614746 0.017 0 0.019 0 1.283 0 0.015 08/23/95 20-55/52 0.45904757 0.056 0.1624456 0.017 0 0.019 0 1.223 0 0.015 08/23/95 20-59/53 0.5005466 0.056 0.1624567 0.018 0 0.019 0 1.328 0 0.015 08/23/95 21-04-53 0.50104452 0.056 0.1632037 0.017 0 0.019 0 1.328 0 0.015 08/23/95 21-05/95 0.50104452 0.056 0.1632037 0.017 0 0.019 0 1.328 0 0.015 08/23/95 21-05/95 0.50104452 0.056 0.1632037 0.017 0 0.019 0 1.339 0 0.015 08/23/95 21-05/95 0.50104452 0.056 0.16249665 0.018 0 0.019 0 1.339 0 0.015 08/23/95 21-05/95 0.50104688 0.056 0.16249665 0.018 0 0.019 0 1.339 0 0.015 08/23/95 21-05/95 0.50106498 0.056 0.16249665 0.018 0 0.019 0 1.339 0 0.015 08/23/95 21-24-53 0.5050622 0.066 0.1693083 0.018 0 0.019 0 1.445 0 0.015 08/23/95 21-24-53 0.50506060 0.056 0.1693083 0.018 0 0.019 0 1.445 0 0.015 08/23/95 21-24-53 0.50506060 0.056 0.1693083 0.018 0 0.019 0 1.38 0 0.015 08/23/95 21-34-51 0.50291676 0.056 0.17092523 0.018 0 0.019 0 1.38 0 0.015 08/23/95 21-34-52 0.50246329 0.056 0.16932837 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21-44-52 0.50246329 0.056 0.16932837 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21-45-52 0.50246329 0.056 0.1674587 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21-45-52 0.50344351 0.056 0.1674587 0.018 0 0.019 0 1.419 0 0.015 08/23/95 22-14-52 0.5036433 0.056 0.1674587 0.018 0 0.019 0 1.419 0 0.015 08/23/95 22-14-52 0.5036418 0.056 0.1674587 0.018 0 0.029	08/23/95	20:39:51	0.49958743	0.056	0.16478363	0.017	0	0.019	0	1.242	0	0.015
08/23/95 20:54:52 0.49984375 0.056 0.16924456 0.017 0.019 0.1.223 0.015 08/23/95 0.05953 0.500646 0.056 0.16920307 0.017 0.019 0.1.458 0.0.015 08/23/95 0.1053 0.50104452 0.056 0.16920307 0.017 0.019 0.1.328 0.0.015 08/23/95 0.1053 0.50104452 0.056 0.16920307 0.017 0.019 0.1.328 0.0.015 08/23/95 0.1053 0.50104452 0.056 0.16920307 0.017 0.019 0.1.318 0.0.015 08/23/95 0.11452 0.5013484 0.056 0.1624665 0.018 0.019 0.1.319 0.0.015 08/23/95 0.11452 0.5013484 0.056 0.1624665 0.018 0.019 0.1.319 0.0.015 08/23/95 0.11452 0.50136806 0.056 0.1624665 0.018 0.019 0.1.319 0.0.015 08/23/95 0.12453 0.50506483 0.056 0.16276876 0.018 0.019 0.1.344 0.0.015 08/23/95 0.1343 0.5021676 0.056 0.1692483 0.018 0.019 0.1.344 0.0.015 08/23/95 0.1343 0.5021676 0.056 0.1692483 0.018 0.019 0.1.38 0.015 08/23/95 0.1341 0.5021676 0.056 0.1692483 0.018 0.019 0.1.38 0.015 08/23/95 0.13445 0.5021676 0.056 0.1692687 0.018 0.019 0.1.416 0.0.015 08/23/95 0.14452 0.50308334 0.056 0.1692687 0.018 0.019 0.1.416 0.0.015 08/23/95 0.14452 0.50308334 0.056 0.1692457 0.018 0.0.019 0.1.416 0.0.015 08/23/95 0.14452 0.50308334 0.056 0.16974597 0.018 0.0.019 0.1.416 0.0.015 08/23/95 0.14452 0.50308334 0.056 0.16974597 0.018 0.0.019 0.1.405 0.0.015 08/23/95 0.14452 0.5056418 0.056 0.16974597 0.018 0.002 0.1.405 0.0.016 08/23/95 0.14452 0.5056418 0.056 0.16974597 0.018 0.002 0.1.405 0.0.016 08/23/95 0.14452 0.5056418 0.056 0.15868133 0.018 0.002 0.1.405 0.0.016 08/23/95 0.14452 0.5056418 0.056 0.16974597 0.018 0.002 0.1.405 0.0.016 08/23/95 0.14452 0.5056418 0.056 0.16974597 0.018 0.002 0.1.405 0.002 0.1.405 0.0016 08/23/95 0.14452 0.5056418 0.056 0.16974597 0.	08/23/95	20:44:51	0.50045988	0.056	0.17030774	0.017	0	0.019	0	1.247	0	0.015
08/23/95 20:59:33 0.5005466 0.056 0.1697151 0.018 0 0.019 0 1.456 0 0.015 08/23/95 21:04:33 0.50104452 0.056 0.16224950 0.015 0 0.019 0 1.320 0 0.015 08/23/95 21:04:32 0.501302 0.055 0.16224965 0.018 0 0.019 0 1.319 0 0.015 08/23/95 21:14:52 0.50135484 0.056 0.16249665 0.018 0 0.019 0 1.319 0 0.015 08/23/95 21:14:53 0.50508483 0.056 0.16249665 0.018 0 0.019 0 1.399 0 0.015 08/23/95 21:14:53 0.50508483 0.056 0.16249665 0.018 0 0.019 0 1.445 0 0.015 08/23/95 21:19:53 0.50508683 0.056 0.1693583 0.018 0 0.019 0 1.445 0 0.015 08/23/95 21:34:51 0.50291676 0.056 0.16931249 0.016 0 0.019 0 1.446 0 0.015 08/23/95 21:34:51 0.50291676 0.056 0.1692667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:34:51 0.50291676 0.056 0.1692667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:44:52 0.50246329 0.056 0.1692667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:44:52 0.50246329 0.056 0.16036267 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:54:52 0.50324331 0.056 0.16074577 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:54:52 0.50324331 0.056 0.16745573 0.018 0 0.019 0 1.385 0 0.015 08/23/95 21:54:52 0.5034633 0.056 0.16745573 0.018 0 0.019 0 1.585 0 0.015 08/23/95 21:54:52 0.5034633 0.056 0.16745573 0.018 0 0.02 0 1.593 0 0.016 08/23/95 22:09:51 0.50366730 0.056 0.16745573 0.018 0 0.02 0 1.405 0 0.02 0 1.405 0 0.02 08/23/95 22:09:51 0.50366730 0.056 0.16746573 0.018 0 0.02 0 1.405 0 0.02 0 1.405 0 0.02	08/23/95	20:49:52		0.056	0.1614746	0.017	0	0.019	0	1.263	0	0.015
0.0012395 21:04:52 0.50104452 0.056 0.16320307 0.017 0.019 0.1.328 0.015 0.0012395 21:04:52 0.5013404 0.056 0.16320305 0.018 0.019 0.1.311 0.0.015 0.0012395 21:14:52 0.50135404 0.056 0.16246655 0.018 0.0.019 0.1.311 0.0.015 0.002395 21:14:52 0.50504883 0.056 0.16276876 0.018 0.0.019 0.1.311 0.0.015 0.002395 21:24:53 0.505063032 0.056 0.16276876 0.018 0.0.019 0.1.445 0.0.015 0.002395 21:24:53 0.505063032 0.056 0.16276876 0.018 0.0.019 0.1.445 0.0.015 0.002395 21:29:51 0.50166806 0.056 0.1637633 0.018 0.0.019 0.1.334 0.0.015 0.002395 21:34:51 0.502163032 0.056 0.1693233 0.018 0.0.019 0.1.334 0.0.015 0.002395 21:34:52 0.50167749 0.056 0.1693237 0.018 0.0.019 0.1.416 0.0.015 0.002395 21:44:52 0.50246329 0.056 0.1693237 0.018 0.0.019 0.1.419 0.0.015 0.002395 21:44:52 0.50308334 0.056 0.1603237 0.018 0.0.019 0.1.419 0.0.015 0.002395 21:44:52 0.50308334 0.056 0.1603237 0.018 0.0.019 0.1.419 0.0.015 0.002395 21:44:52 0.50308334 0.056 0.1603237 0.018 0.0.019 0.1.565 0.0.015 0.002395 21:44:52 0.50308334 0.056 0.1678633 0.018 0.0.019 0.1.565 0.0.015 0.002395 21:44:52 0.50364319 0.056 0.16786313 0.018 0.0.019 0.1.565 0.0.015 0.002395 21:45:59 0.50364033 0.056 0.1678633 0.018 0.0.02 0.1.533 0.0.015 0.002395 21:45:59 0.5056418 0.056 0.1580550 0.019 0.0.02 0.1.405 0.0.016 0.002395 22:45:51 0.5055418 0.056 0.1580550 0.019 0.0.02 0.1.405 0.0.016 0.002395 22:45:52 0.5055618 0.056 0.1580550 0.019 0.0.02 0.1.677 0.0.016 0.002395 22:45:52 0.5055619 0.056 0.1680550 0.019 0.0.02 0.1.779 0.0.016 0.002395 22:45:52 0.5055619 0.056 0.1680550 0.019 0.0.02 0.1.694 0.016 0.002395 23:45:51 0.50561613 0.056 0.1680550 0	08/23/95	20:54:52	0.49984375	0.056	0.16924456	0.017	0	0.019	0	1.323	0	0.015
母R2395 21:09-52 0.501302 0.505 0.17124396 0.018 0 0.019 0 1.31 0 0.015 0.022395 21:14:52 0.50135484 0.056 0.16249665 0.018 0 0.019 0 1.319 0 0.015 0.022395 21:14:52 0.50504823 0.056 0.16249665 0.018 0 0.019 0 1.359 0 0.015 0.022395 21:24:53 0.50508232 0.056 0.16276876 0.018 0 0.019 0 1.359 0 0.015 0.022395 21:24:53 0.50508232 0.056 0.16276876 0.018 0 0.019 0 1.364 0 0.015 0.022395 21:251 0.50168606 0.056 0.16931249 0.018 0 0.019 0 1.364 0 0.015 0.022395 21:351 0.50291676 0.056 0.17928233 0.018 0 0.019 0 1.364 0 0.015 0.022395 21:351 0.50291676 0.056 0.17928233 0.018 0 0.019 0 1.416 0 0.015 0.022395 21:351 0.50291676 0.056 0.17928233 0.018 0 0.019 0 1.416 0 0.015 0.022395 21:351 0.50246329 0.056 0.1630267 0.018 0 0.019 0 1.416 0 0.015 0.022395 21:3451 0.50246329 0.056 0.1630267 0.018 0 0.019 0 1.416 0 0.015 0.022395 21:3452 0.50246329 0.056 0.1630267 0.018 0 0.019 0 1.419 0 0.015 0.022395 21:3452 0.50246329 0.056 0.1630267 0.018 0 0.019 0 1.419 0 0.015 0.022395 21:5452 0.50246329 0.056 0.1630267 0.018 0 0.019 0 1.385 0 0.015 0.022395 21:5452 0.5034633 0.056 0.16748573 0.018 0 0.019 0 1.585 0 0.015 0.022395 21:5452 0.5034633 0.056 0.16748573 0.018 0 0.022 0 1.533 0 0.015 0.022395 21:5452 0.5034633 0.056 0.16748573 0.018 0 0.022 0 1.533 0 0.015 0.022395 21:5452 0.5034633 0.056 0.1578479 0.018 0 0.02 0 1.405 0 0.016 0.022395 22:051 0.5034792 0.056 0.1586810 0.018 0 0.022 0 1.405 0 0.022 0 1.405 0 0.022395 22:3451 0.5041466 0.056 0.1586580 0.019 0 0.02 0 1.477 0 0.016 0.022395 22:3451 0.5041466 0.056 0.1586580 0.019 0 0.02 0 1.477 0 0.016 0.022395 22:3451 0.5041466 0.056 0.1586580 0.019 0 0.02 0 1.762 0 0.016 0.022395 22:3451 0.5054191 0.056 0.1682679 0.019 0 0.02 0 1.762 0 0.016 0.022395 22:3451 0.5054191 0.056 0.1682679 0.019 0 0.02 0 1.763 0 0.016 0.022395 22:3451 0.5054191 0.056 0.1682679 0.019 0 0.02 0 1.763 0 0.016 0.022395 22:3451 0.5054191 0.056 0.16826879 0.019 0 0.02 0 1.774 0 0.016 0.022395 22:3451 0.5054191 0.056 0.16826879 0.019 0 0.02 0 1.774 0 0.016 0.022395 22:3451 0.5054191 0.057 0.16805823 0.0		20:59:53	0.5005466	0.056	0.16507151	0.018	0	0.019	0	1.458	0	0.015
DBAZ2395 211:4:52 0.50135484 0.056 0.16276876 0.018 0 0.019 0 1.319 0 0.015	08/23/95	21:04:53	0.50104452	0.056	0.16320307	0.017	0	0.019	0	1.328	0	0.015
08/23/95 21:19:53 0.50504883 0.056 0.1629583 0.018 0 0.019 0 1.399 0 0.015 08/23/95 21:29:51 0.50186806 0.056 0.1639358 0.018 0 0.019 0 1.364 0 0.015 08/23/95 21:29:51 0.50291676 0.056 0.16992523 0.018 0 0.019 0 1.364 0 0.015 08/23/95 21:34:51 0.50291676 0.056 0.16992523 0.018 0 0.019 0 1.384 0 0.015 08/23/95 21:34:51 0.50291676 0.056 0.16902523 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:34:52 0.50246329 0.056 0.16902676 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:34:52 0.50246329 0.056 0.1630237 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:54:52 0.50246329 0.056 0.16474597 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:54:52 0.50364033 0.056 0.16785834 0.018 0 0.019 0 1.565 0 0.015 08/23/95 21:54:52 0.50364033 0.056 0.16785834 0.018 0 0.019 0 1.565 0 0.015 08/23/95 22:04:52 0.5054794 0.056 0.16746573 0.018 0 0.02 0 1.533 0 0.015 08/23/95 22:04:52 0.50364033 0.056 0.1580588 0.019 0 0.02 0 1.405 0 0.016 08/23/95 22:19:51 0.50387922 0.056 0.1580588 0.019 0 0.02 0 1.405 0 0.016 08/23/95 22:24:52 0.5054119 0.056 0.1580588 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:24:52 0.5054119 0.056 0.1580588 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:24:52 0.50534101 0.056 0.16281506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:34:52 0.5054019 0.056 0.16281506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:34:52 0.50554019 0.057 0.16281506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:45:25 0.50554019 0.057 0.16805236 0.019 0 0.02 0 1.709 0 0.016 08/23/95 23:45:1 0.5056019 0.057 0.16805236 0.019 0 0.02 0 1.709 0 0.016 08/23/95 23:45:2 0.5055019 0.057 0.16805236 0.019 0 0.0	08/23/95	21:09:52	0.501302	0.056		0.018	0	0.019	0	1.31	0	0.015
Delizard Company Com	08/23/95	21:14:52	0.50135484	0.056	0.16249665	0.018	0	0.019	0	1.319	0	0.015
Deliza 129-51 0.50186806 0.056 0.16991249 0.018 0 0.019 0 1.364 0 0.015	08/23/95	21:19:53	0.50504883	0.056	0.16276876	0.018	0	0.019	0	1.399	0	0.015
08/23/95 21:34:51 0.50291676 0.056 0.17902523 0.018 0 0.019 0 1.38 0 0.015 08/23/95 21:39:52 0.50246329 0.056 0.16902667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:44:52 0.50246329 0.056 0.16903237 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:44:52 0.50308334 0.056 0.16933237 0.018 0 0.019 0 1.385 0 0.015 08/23/95 21:45:52 0.5034351 0.056 0.167474597 0.018 0 0.019 0 1.385 0 0.015 08/23/95 21:54:52 0.5034351 0.056 0.16745834 0.018 0 0.019 0 1.585 0 0.015 08/23/95 21:04:52 0.50364033 0.056 0.16746573 0.018 0 0.02 0 1.533 0 0.015 08/23/95 22:04:52 0.50364033 0.056 0.15746573 0.018 0 0.02 0 1.395 0 0.016 08/23/95 22:09:51 0.50367922 0.056 0.15888183 0.019 0 0.02 0 1.405 0 0.016 08/23/95 22:14:52 0.5056418 0.056 0.1588088 0.019 0 0.02 0 1.471 0 0.016 08/23/95 22:24:52 0.50534101 0.056 0.1574031 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:24:52 0.50534101 0.056 0.1574031 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:39:51 0.5046132 0.056 0.168076 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:39:51 0.5064132 0.056 0.168077 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:39:52 0.5056018 0.056 0.168077 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:39:51 0.5064132 0.056 0.168077 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:49:52 0.5056018 0.056 0.168077 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:49:52 0.5056018 0.056 0.168077 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:49:52 0.5056018 0.056 0.168077 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:49:52 0.5056018 0.057 0.169050513 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:49:52 0.5056018 0.057 0.169050513 0.019 0 0.02 0 1.794		21:24:53	0.50508232	0.056	0.1693583	0.018	0	0.019	0	1.445	. 0	0.015
08/23/95 21:39:52 0.50187749 0.056 0.16902667 0.018 0 0.019 0 1.416 0 0.015 08/23/95 21:44:52 0.50246329 0.056 0.16033237 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:49:52 0.50360334 0.056 0.16474597 0.018 0 0.019 0 1.385 0 0.015 08/23/95 21:59:52 0.50324351 0.056 0.16974597 0.018 0 0.019 0 1.555 0 0.015 08/23/95 21:59:52 0.50324351 0.056 0.15779479 0.018 0 0.019 0 1.555 0 0.015 08/23/95 21:59:52 0.50324351 0.056 0.15779479 0.018 0 0.02 0 1.533 0 0.015 08/23/95 22:04:52 0.50364033 0.056 0.15779479 0.018 0 0.02 0 1.395 0 0.015 08/23/95 22:04:52 0.50364794 0.056 0.16746573 0.018 0 0.02 0 1.395 0 0.016 08/23/95 22:04:52 0.50364794 0.056 0.1587673 0.018 0 0.02 0 1.405 0 0.016 08/23/95 22:04:52 0.5036418 0.056 0.1587673 0.018 0 0.02 0 1.405 0 0.016 08/23/95 22:19:51 0.50411466 0.056 0.158767299 0.019 0 0.02 0 1.4071 0 0.016 08/23/95 22:29:52 0.50534101 0.056 0.15874031 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:29:52 0.50534101 0.056 0.15874031 0.019 0 0.02 0 1.702 0 0.016 08/23/95 22:29:52 0.50534101 0.056 0.16281506 0.019 0 0.02 0 1.702 0 0.016 08/23/95 22:39:52 0.50534101 0.056 0.16281506 0.019 0 0.02 0 1.702 0 0.016 08/23/95 22:39:51 0.5046132 0.056 0.16281506 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.5054191 0.056 0.16281506 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.5056132 0.056 0.16281507 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.5056019 0.056 0.16281507 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.5056019 0.056 0.16387129 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.5056019 0.056 0.16387129 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:39:51 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.019 0 0.02 0 1.794 0 0.016 08/23/95 23:455 0.5056019 0.057 0.1690503 0.0	08/23/95	21:29:51	0.50186806	0.056	0.16991249	0.018	0	0.019	0	1.364	0	0.015
08/23/95 21:44:52 0.50246329 0.056 0.16032327 0.018 0 0.019 0 1.419 0 0.015 08/23/95 21:49:52 0.50308334 0.056 0.16474597 0.018 0 0.019 0 1.385 0 0.015 08/23/95 21:59:52 0.50364033 0.056 0.16785834 0.018 0 0.019 0 1.555 0 0.015 08/23/95 20:452 0.50364033 0.056 0.16785834 0.018 0 0.02 0 1.533 0 0.015 08/23/95 20:452 0.50364033 0.056 0.16786534 0.018 0 0.02 0 1.395 0 0.016 08/23/95 22:04:52 0.50364033 0.056 0.1674673 0.018 0 0.02 0 1.395 0 0.016 08/23/95 22:04:52 0.5036403 0.056 0.1674673 0.018 0 0.02 0 1.405 0 0.016 08/23/95 22:19:51 0.50387922 0.056 0.1580580 0.019 0 0.02 0 1.405 0 0.016 08/23/95 22:19:51 0.50364103 0.056 0.1574031 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:29:52 0.50354101 0.056 0.1574031 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:29:52 0.50516673 0.056 0.16281606 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:39:51 0.50540191 0.056 0.16281606 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.50540191 0.056 0.16808176 0.019 0 0.02 0 1.603 0 0.016 08/23/95 22:49:52 0.5056019 0.056 0.16815767 0.019 0 0.02 0 1.603 0 0.016 08/23/95 22:49:52 0.5056019 0.056 0.16815767 0.019 0 0.02 0 1.639 0 0.016 08/23/95 22:49:52 0.5056019 0.056 0.16821739 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:59:51 0.5056019 0.057 0.16805153 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:59:51 0.5059429 0.057 0.16805153 0.019 0 0.02 0 1.792 0 0.016 08/23/95 23:39:51 0.5098866 0.056 0.16817367 0.019 0 0.02 0 1.792 0 0.016 08/23/95 23:39:51 0.5098866 0.056 0.16813934 0.019 0 0.02 0 1.792 0 0.016 08/23/95 23:39:51 0.5098866 0.056 0.16817387 0.019 0 0.02 0 1.	08/23/95	21:34:51	0.50291676	0.056	0.17092523	0.018	0	0.019	0	1.38	. 0	0.015
DB/P23/95 21:49:52	08/23/95	21:39:52	0.50187749	0.056	0.16902667	0.018	0	0.019	0	1.416	0	0.015
08/23/95 21:54:52 0.50324351 0.056 0.16785634 0.018 0 0.019 0 1.555 0 0.015 08/23/95 21:55:52 0.50364033 0.056 0.16746573 0.018 0 0.02 0 1.333 0 0.015 08/23/95 22:04:52 0.50364034 0.056 0.16746573 0.018 0 0.02 0 1.395 0 0.016 08/23/95 22:09:51 0.50387922 0.056 0.1588183 0.019 0 0.02 0 1.405 0 0.016 08/23/95 22:19:51 0.50387922 0.056 0.1580508 0.019 0 0.02 0 1.471 0 0.016 08/23/95 22:19:51 0.50411466 0.056 0.15787299 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:24:52 0.50556118 0.056 0.15787299 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:24:52 0.50554101 0.056 0.1578013 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:34:52 0.50554101 0.056 0.1574031 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:34:51 0.505411466 0.056 0.1580506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:34:51 0.50541191 0.056 0.16281506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:34:51 0.50541191 0.056 0.16815767 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:34:51 0.50545132 0.056 0.16815767 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:34:52 0.50556019 0.056 0.16815767 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:45:52 0.50556019 0.056 0.1682879 0.019 0 0.02 0 1.704 0 0.016 08/23/95 22:45:52 0.50556019 0.057 0.16895236 0.019 0 0.02 0 1.704 0 0.016 08/23/95 22:59:51 0.50546120 0.056 0.1662879 0.019 0 0.02 0 1.704 0 0.016 08/23/95 22:59:51 0.5056618 0.057 0.16895236 0.019 0 0.02 0 1.752 0 0.016 08/23/95 22:59:51 0.5056618 0.057 0.16895236 0.019 0 0.02 0 1.752 0 0.016 08/23/95 22:59:51 0.5056618 0.057 0.16895236 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:4551 0.5098768 0.057 0.1689053 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:4551 0.5098768 0.057 0.16895623 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:4551 0.5099768 0.057 0.1689053 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:4551 0.5099768 0.057 0.1689053 0.019 0 0.02 0 0.02 0 0.02 0 0.02 0 0.006 08/23/95 23:4551 0.5099768 0.057 0.1680963 0.02 0 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.0000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	08/23/95	21:44:52	0.50246329	0.056	0.16033237	0.018	0	0.019	0	1.419	0	0.015
0.09/23/95	08/23/95	21:49:52	0.50308334	0.056	0.16474597	0.018	0	0.019	0	1.385	0	0.015
0.09/23/95	08/23/95	21:54:52	0.50324351	0.056	0.16785834	0.018	0	0.019	0	1.565	0	0.015
0.08/23/95			0.50364033	0.056	0.15779479	0.018	0	0.02	0	1.533	0	0.015
08/23/95 22:14:52 0.50556418 0.056 0.1580508 0.019 0 0.02 0 1.471 0 0.016 08/23/95 22:19:51 0.50411466 0.056 0.15787299 0.019 0 0.02 0 1.647 0 0.016 08/23/95 22:45:5 0.50534101 0.056 0.1574031 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:45:5 0.50534101 0.056 0.1574031 0.019 0 0.02 0 1.762 0 0.016 08/23/95 22:29:52 0.50516673 0.056 0.16281506 0.019 0 0.02 0 1.709 0 0.016 08/23/95 22:39:51 0.50540191 0.056 0.1681507 0.019 0 0.02 0 1.604 0 0.016 08/23/95 22:39:51 0.50540191 0.056 0.16815767 0.019 0 0.02 0 1.639 0 0.016 08/23/95 22:39:51 0.50645132 0.056 0.16815767 0.019 0 0.02 0 1.639 0 0.016 08/23/95 22:44:52 0.50733058 0.056 0.1681767 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:49:52 0.5056019 0.056 0.1681767 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:49:52 0.5056019 0.056 0.1682767 0.019 0 0.02 0 1.794 0 0.016 08/23/95 22:59:51 0.5056019 0.057 0.16895236 0.019 0 0.02 0 1.792 0 0.016 08/23/95 22:59:51 0.5056019 0.057 0.16895133 0.019 0 0.02 0 1.792 0 0.016 08/23/95 23:09:52 0.5056019 0.057 0.16895133 0.019 0 0.02 0 1.792 0 0.016 08/23/95 23:09:52 0.505768 0.056 0.16413934 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:09:52 0.5057768 0.057 0.16905153 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:14:52 0.50674438 0.057 0.1690369 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:24:51 0.5097768 0.057 0.16805639 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:24:51 0.5090166 0.057 0.16805633 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.5090166 0.057 0.16804034 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5090168 0.057 0.1680809 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/95 23:34:52 0.5116864 0.058 0.16173287 0.02 0 0.02 0 0.02 0 3.344 0 0.016 08/23/9	08/23/95	22:04:52	0.50647904	0.056	0.16746573	0.018	O O	0.02	0	1.395	0	0.016
08/23/95	08/23/95	22:09:51	0.50387922	0.056	0.15888183	0.019	0	0.02	0	1.405	0	0.016
08/23/95	08/23/95	22:14:52	0.50556418	0.056	0.1580508	0.019	0	0.02	0	1.471	0	0.016
08/23/95	08/23/95	22:19:51	0.50411466	0.056	0.15787299	0.019	0	0.02	0	1.647	0	0.016
08/23/95	08/23/95	22:24:52	0.50534101	0.056	0.1574031	0.019	0	0.02	0	1.762	0	0.016
08/23/95	08/23/95	22:29:52	0.50516673	0.056	0.16281506	0.019	0	0.02	0	1.709	0	0.016
08/23/95	08/23/95	22:34:51	0.50540191	0.056	0.1608047	0.019	0	0.02	0	1.604	0	0.016
08/23/95			0.50645132	0.056	0.16815767	0.019	0	0.02	0		0	0.016
08/23/95 22:54:52 0.5056019 0.057 0.16985236 0.019 0 0.02 0 1.792 0 0.016 08/23/95 22:59:51 0.50594629 0.057 0.16905153 0.019 0 0.02 0 1.744 0 0.015 08/23/95 23:04:51 0.50598666 0.056 0.16413934 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:09:52 0.5097768 0.057 0.16293082 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:14:52 0.50674438 0.057 0.16293082 0.019 0 0.019 0 1.805 0 0.015 08/23/95 23:14:52 0.50674438 0.057 0.16293082 0.019 0 0.019 0 1.805 0 0.015 08/23/95 23:19:52 0.50774695 0.057 0.16293082 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.02 0 3.081 0 0.016 08/23/95 23:34:51 0.50903831 0.057 0.17001751 0.02 0 0.02 0 3.081 0 0.016 08/23/95 23:34:51 0.50903831 0.057 0.16701751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:34:52 0.50978493 0.057 0.16701757 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:34:52 0.50998419 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.016 08/23/95 23:34:52 0.50998419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:34:52 0.50998419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:34:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:54:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/23/95 00:04:53 0.51168675 0.058 0.16089972 0.021 0 0.018 0 2.132 0 0.016 08/23/95 00:04:53 0.51168675 0.058 0.16089972 0.021 0 0.018 0 2.132 0 0.016 08/23/95 00:04:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 08/24/95 00:04:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.351 0 0.015 08/24/95 00:04:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.351 0 0.015 08/24/95 00:04:54 0.51570547 0.058 0.15816584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:04:54 0.51570547 0.058 0.15816584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:04:54 0.51570547 0.058 0.15816584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:04:55 0.51212241 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:32:54 0.51194168 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:32:54 0	08/23/95	22:44:52	0.50733058	0.056	0.16387129	0.019	0	0.02	0	1.794	0	0.016
08/23/95 23:04:51 0.50594629 0.057 0.16905153 0.019 0 0.02 0 1.744 0 0.015 08/23/95 23:04:51 0.50988666 0.056 0.16413934 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:05:05 0.5097768 0.057 0.16293082 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:14:52 0.50674438 0.057 0.16293082 0.019 0 0.019 0 1.805 0 0.016 08/23/95 23:19:52 0.50674438 0.057 0.16020369 0.019 0 0.018 0 2.086 0 0.014 0.08/23/95 23:19:52 0.506744985 0.057 0.16020369 0.019 0 0.018 0 2.086 0 0.014 0.08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.018 0 2.086 0 0.014 0.08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.02 0 3.081 0 0.016 0.08/23/95 23:34:51 0.50903831 0.057 0.16719757 0.02 0 0.02 0 2.762 0 0.016 0.08/23/95 23:34:51 0.50903831 0.057 0.16719757 0.02 0 0.02 0 2.294 0 0.016 0.08/23/95 23:34:51 0.50903831 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.016 0.08/23/95 23:44:52 0.50995419 0.057 0.15648649 0.02 0 0.02 0 0.02 0 3.34 0 0.016 0.08/23/95 23:44:52 0.50995419 0.057 0.15648649 0.02 0 0.02 0 0.02 0 3.34 0 0.016 0.08/23/95 23:44:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 0.08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 0.08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 2.315 0 0.015 0.08/23/95 0.051129864 0.058 0.16173287 0.02 0 0.019 0 2.315 0 0.015 0.08/23/95 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 0.08/23/95 0.014:53 0.51186875 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 0.08/23/95 0.014:54 0.51570547 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 0.08/24/95 00:09:53 0.51186875 0.058 0.15814584 0.021 0 0.022 0 3.837 0 0.016 0.08/24/95 00:19:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 0.08/24/95 00:19:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 0.08/24/95 00:19:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 0.08/24/95 00:29:54 0.5122411 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 0.08/24/95 00:29:54 0.51212241 0.058 0.15806689 0.021 0 0.022 0 2.714 0 0.016 0.08/24/95 00:39:55 0.51186805 0.058 0.1580658 0.021 0 0	08/23/95	22:49:52	0.5056019	0.056	0.16622679	0.019	0	0.02	0	1.816	0	0.016
08/23/95 23:04:51 0.50988666 0.056 0.16413934 0.019 0 0.02 0 1.752 0 0.016 08/23/95 23:09:52 0.5097768 0.057 0.16293082 0.019 0 0.019 0 1.805 0 0.016 08/23/95 23:14:52 0.50674438 0.057 0.16293082 0.019 0 0.019 0 1.805 0 0.015 08/23/95 23:14:52 0.50674438 0.057 0.16895623 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.5090106 0.057 0.16805623 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.51268337 0.057 0.17001751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:29:51 0.51268337 0.057 0.16400234 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.15648809 0.02 0 0.019 0 2.231 0 0.016 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:59:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 2.315 0 0.016 08/23/95 0.05134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/23/95 0.05134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51128667 0.058 0.158454377 0.021 0 0.018 0 2.325 0 0.014 0.08/24/95 00:09:53 0.51186675 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:09:53 0.5112468 0.058 0.1580689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.512241 0.058 0.1580689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.512241 0.058 0.1580689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:14:54 0.5123451 0.058 0.1580689 0.021 0 0.022 0 3.637 0 0.016 08/24/95 00:34:55 0.5120485 0.058 0.1580685 0.021 0 0.021 0 3.007 0 0.016 08/24/95 00:34:55 0.5124885 0.058 0.1580685 0.021 0 0.021 0 0.022 0 2.619 0 0.016 08/24/95 00:34:55 0.51212451 0.058	08/23/95	22:54:52	0.5056019	0.057	0.16985236	0.019	0	0.02	O		0	0.016
08/23/95 23:09:52 0.5097768 0.057 0.16293082 0.019 0 0.02 0 1.887 0 0.016 08/23/95 23:14:52 0.50674438 0.057 0.16020369 0.019 0 0.019 0 1.805 0 0.015 08/23/95 23:19:52 0.50774695 0.057 0.168095623 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.02 0 3.081 0 0.016 08/23/95 23:29:51 0.51268337 0.057 0.17001751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.016 08/23/95 23:49:52 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 0.0513 0.51129864 0.058 0.16173287 0.02 0 0.019 0 2.315 0 0.016 08/24/95 0.00455 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 08/24/95 0.00453 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.016 08/24/95 0.014:54 0.51570547 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.15814584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.15814584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15834584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15834584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15834584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15834584 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51194168 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15806689 0.021 0 0.022 0 3.833 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15806689 0.021 0 0.023 0 0.023 0 3.833 0 0.016			0.50594629	0.057	0.16905153	0.019	0	0.02	0	1.744	0	0.015
08/23/95 23:14:52 0.50674438 0.057 0.16020369 0.019 0 0.019 0 1.805 0 0.015 08/23/95 23:19:52 0.50774695 0.057 0.16895623 0.02 0 0.018 0 2.086 0 0.014 08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.02 0 3.081 0 0.016 08/23/95 23:29:51 0.51268337 0.057 0.17001751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16540274 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16540809 0.02 0 0.02 0 2.231 0 0.015 08/23/95 23:34:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:39:53 0.51129864 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:59:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15814584 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.016 08/24/95 00:1554 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:1554 0.51570547 0.058 0.15806689 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:19:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:19:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:19:54 0.51570547 0.058 0.16180891 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:19:54 0.51523451 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.16262538 0.021 0 0.022 0 3.833 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15262538 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15262538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15889658 0.021 0 0.02 0 0.021 0 3.833 0 0.018 08/24/95 00:34:55 0.51204885 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018			0.50988666		0.16413934	0.019	0		O		0	
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08/23/95 23:24:51 0.5090106 0.057 0.16400234 0.02 0 0.02 0 3.081 0 0.016 08/23/95 23:29:51 0.51268337 0.057 0.17001751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:34:51 0.50903831 0.057 0.16719757 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.015 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:45:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 <td></td> <td></td> <td></td> <td>0.057</td> <td>0.16020369</td> <td>0.019</td> <td>0</td> <td>0.019</td> <td>0</td> <td>1.805</td> <td>0</td> <td>0.015</td>				0.057	0.16020369	0.019	0	0.019	0	1.805	0	0.015
08/23/95 23:29:51 0.51268337 0.057 0.17001751 0.02 0 0.02 0 2.762 0 0.016 08/23/95 23:34:51 0.50903831 0.057 0.16719757 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.015 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/23/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:04:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.016 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:24:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.5122241 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.5122241 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15956175 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15889658 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018				_ +	0.16895623	0.02	0	0.018	0	2.086	0	0.014
08/23/95 23:34:51 0.50903831 0.057 0.16719757 0.02 0 0.02 0 2.294 0 0.016 08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.015 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.16158348 0.021 0 0.02 0 2.943 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:29:54 0.5122241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15849658 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.023 0 3.833 0 0.018				0.057	0.16400234	0.02	Ō	0.02	0	3.081	0	0.016
08/23/95 23:39:53 0.51202052 0.057 0.16549274 0.02 0 0.019 0 2.231 0 0.015 08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:29:54 0.5122241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.023 0 3.833 0 0.017		,		0.057	0.17001751	0.02	0	0.02	0	2.762	0	0.016
08/23/95 23:44:52 0.50995419 0.057 0.15648809 0.02 0 0.02 0 3.34 0 0.016 08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.02 0 2.943 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:29:54 0.5122241 0.058 0.16126981 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:39:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018				0.057		0.02	0	0.02	0		0	0.016
08/23/95 23:49:52 0.5146844 0.057 0.15905444 0.02 0 0.021 0 4.464 0 0.017 08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 0.08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:24:54 0.51194168 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 0.06/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.016 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.023 0 3.833 0 0.018							0		0		0	
08/23/95 23:54:53 0.51129864 0.058 0.16173287 0.02 0 0.019 0 3.103 0 0.015 08/23/95 23:59:53 0.51134955 0.058 0.16089972 0.021 0 0.019 0 2.315 0 0.015 08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.016						0.02	0	0.02	0		0	0.016
08/23/95	-		0.5146844	0.057	0.15905444	0.02	0	0.021	0	4.464	0	0.017
08/24/95 00:04:53 0.51162694 0.058 0.15454377 0.021 0 0.018 0 2.132 0 0.014 08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619			0.51129864	0.058		0.02	0	0.019	0		Ō	0.015
08/24/95 00:09:53 0.51168675 0.058 0.15814584 0.021 0 0.018 0 2.697 0 0.015 08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087					0.16089972	0.021	0	0.019	0	2.315	0	0.015
08/24/95 00:14:54 0.51570547 0.058 0.15806689 0.021 0 0.02 0 2.943 0 0.016 08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.018 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833				0.058	0.15454377	0.021	0	0.018	0	2.132	0	0.014
08/24/95 00:19:54 0.51253451 0.058 0.16158348 0.021 0 0.022 0 3.837 0 0.018 08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.017 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0 0.018			0.51168675	0.058	0.15814584	0.021	0	0.018	Ó	2.697	0	0.015
08/24/95 00:24:54 0.51194168 0.058 0.16126981 0.021 0 0.021 0 3.581 0 0.017 08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.017 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018				0.058		0.021	0	0.02	0	2.943	0	0.016
08/24/95 00:29:54 0.51212241 0.058 0.15956175 0.021 0 0.02 0 2.714 0 0.016 08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.017 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018			0.51253451	0.058	0.16158348	0.021	0	0.022	0	3.837	0	0.018
08/24/95 00:34:55 0.51204885 0.058 0.15620538 0.021 0 0.02 0 2.619 0 0.016 08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.017 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018		-		0.058	0.16126981	0.021	0	0.021	0	3.581	0	0.017
08/24/95 00:39:55 0.51186805 0.058 0.15742254 0.021 0 0.021 0 3.087 0 0.017 08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018	08/24/95	00:29:54	0.51212241	0.058	0.15956175	0.021	0	0.02	0	2.714	0	0.016
08/24/95 00:44:55 0.51271355 0.058 0.15889658 0.021 0 0.023 0 3.833 0 0.018			0.51204885	0.058	0.15620538	0.021	0	0.02	0	2.619	0	0.016
	08/24/95	00:39:55	0.51186805	0.058	0.15742254	0.021	0	0.021	0	3.087	0	0.017
08/24/95 00:49:54 0.51313739 0.058 0.15674965 0.021 0 0.023 0 4.67 0 0.018			0.51271355	0.058	0.15889658	0.021	0	0.023	0	3.833	0	0.018
	08/24/95	00:49:54	0.51313739	0.058	0.15674965	0.021	0	0.023	0	4.67	0	0.018

Site: Bee	f Processir										
Upwind Da	ata in ppm										
Date	Time	N2O		co		C2H4		H2S_		DICLM	
	Ĺ	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/24/95	00:54:54	0.51625018	0.058	0.1513522	0.021	0	0.021	0	3.419	0	0.016
08/24/95	00:59:54	0.51276501	0.058	0.15000873	0.021	0	0.019	0	2.551	0	0.015
08/24/95	01:04:55	0.5128713	0.058	0.15098497	0.021	0	0.02	0	2.782	0	0.016
08/24/95	01:09:55	0.51274068	0.058	0.15386564	0.021	0	0.021	0	3.32	0	0.016
08/24/95	01:14:55	0.5162772	0.058	0.15531701	0.021	0	0.019	0	2.751	0	0.015
08/24/95	01:19:54	0.51284943	0.058	0.16365229	0.022	0	0.019	0	2.612		0.015
08/24/95	01:24:54	0.51535232	0.058	0.15787812	0.022	0	0.018	0	2.26	0	0.014
08/24/95	01:29:55	0.51629746	0.058	0.1580768	0.022	0	0.019	0	2.475	0	0.015
08/24/95	01:34:55	0.51520294	0.058	0.15463679	0.022	0	0.02	0	2.865	0	0.016
08/24/95	01:39:55	0.51338074	0.058	0.1539275	0.022	0	0.019	0	2.528	0	0.015
08/24/95	01:44:55	0.51340187	0.058	0.15386886	0.022	0	0.018	0	2.471	0	0.014
08/24/95	01:49:55	0.51645572	0.058	0.15337695	0.022	0	0.018	0	2.539	0	0.014
08/24/95	01:54:56	0.51655417	0.058	0.15503125	0.022	0	0.02	0	3.116	0	0.016
08/24/95	01:59:56	0.51331452	0.058	0.15781795	0.022	0	0.018	0	2.764	0	0.015
08/24/95	02:04:56	0.51292311	0.058	0.1567235	0.022	0	0.018	0	2.385	0	0.014
08/24/95	02:09:56	0.51257744	0.058	0.15570054	0.022	0	0.017	0	2.46	0	0.014
08/24/95	02:14:56	0.51511514	0.058	0.15869709	0.022	0	0.019	0	2.73	0	0.015
08/24/95	02:19:56	0.51710562	0.058	0.15402685	0.022	0	0.022	0	4.318	0	0.017
08/24/95	02:24:57	0.51416038	0.058	0.15592767	0.022	0	0.021	0	4.868	0	0.017
	02:29:57	0.52245951	0.058	0.15640162	0.022	0	0.021	0	4.764	0	0.017
	02:34:56	0.51987533	0.059	0.15677575	0.022	0.02677981	0.022	0	6.219	0	0.018
	02:39:56	0.51641593	0.058	0.15782989	0.022	0	0.023	0	5.591	0	0.018
	02:44:56	0.51857179	0.058	0.1556908	0.022	0.0274302	0.024	0	6.622	0	0.019
	02:49:57	0.52038843	0.059	0.15542383	0.022	0.02575966	0.023	0	4.367	0	0.018
08/24/95	02:54:57	0.51570343	0.058	0.15767211	0.022	0	0.021	0	2.989	0	0.017
	02:59:57	0.51419047	0.058	0.15637529	0.022	0	0.021	0	3.16	0	0.017
	03:04:56	0.51416093	0.058	0.15797878	0.022	0	0.019	0	3.09	0	0.015
08/24/95	03:09:56	0.513492	0.058	0.15793097	0.022	0	0.018	0	2.679	0	0.014
	03:14:56	0.51407258	0.058	0.15608091	0.022	0	0.018	0	2.485	0	0.014
	03:19:56	0.51517267	0.058	0.16196389	0.022	0	0.019	0	2.812	0	0.015
	03:24:57	0.51908865	0.058	0.15614774	0.022	. 0	0.017	0	2.604	0	0.014
	03:29:57	0.5158115	0.058	0.16231906	0.022	0	0.018	0	2.734	0	0.014
	03:34:57	0.51996448	0.058	0.16264446	0.022	0	0.019	0	2.799	0	0.015
	03:39:57	0.52378455	0.058	0.15495113	0.022	0	0.02	0	2.935	0	0.016
	03:44:58	0.51783737	0.058	0.15689748	0.022	0	0.02	ō	3.216	0	0.016
	03:49:58	0.51471137	0.058	0.15946214	0.022	0	0.02	0	3.261	0	0.016
08/24/95	03:54:58	0.51667605	0.058	0.15778018	0.022	0	0.022	0	3.458	0	0.017
	03:59:57	0.51730601	0.058	0.16270544	0.022	0	0.021	0	3.707	0	0.017
	04:04:57	0.51921607	0.058	0.15417439	0.022	0	0.021	. 0	4.64	0	0.017
	04:09:57	0.51779082	0.058	0.15574854	0.022	0	0.021	0	4.167	0	0.017
<u> </u>	04:14:58	0.52108129	0.058	0.15819505	0.022	0	0.02	0	3.253	0	0.016
	04:19:58				0.022	- 0	0.019	0		0	0.015
08/24/95		0.51410193	0.058	0.15836803	0.022	- 0	0.02	0	3.673	0	0.015
08/24/95		0.51932426	0.058	0.16358714	0.022	0	0.021	0	4.443		0.016
08/24/95		0.51830388	0.058	0.166559	0.022		0.021	0	4.645	0	0.017
08/24/95		0.51637408	0.058	0.16303131	0.022	0	0.021	0	5.151	0	
08/24/95		0.52179547	0.059	0.16072729	0.022	000	0.021	- 0	3.854	0	0.016
08/24/95		0.52429301	0.059	0.17011117	0.022	0	0.022	0	4.279	0	0.016
08/24/95		0.51498667	0.058	0.1/011117	0.022	0	0.022	0	4.279	0	0.017
08/24/95		0.52147946	0.058	0.15950627	0.022		0.02			0	
08/24/95		0.51433739	0.058	0.16426765	0.022	0	0.02	0	3.588	0	0.016
08/24/95								0	+		
08/24/95		0.51842156	0.058	0.17356511	0.022	0	0.019	0	3.351	0	+
08/24/95		0.51376573	0.059	0.21167798	0.022	0	0.019	0	3.451	0	0.015
08/24/95		0.51418863	0.058	0.17608903	0.022		0.019	0	3.274	0	† — -
08/24/95		0.51498667	0.058	0.16091304	0.022	0	0.02	0	3.728	0	
08/24/95		0.51556663 0.51057633	0.058	0.15960074	0.022	0	0.02	0	4.003	0	
08/24/95		0.51957632	0.058	0.15697562	0.022	0	0.021	0	4.727	0	1
08/24/95		0.51625315	0.058	0.15775002	0.022	0	0.021	0	4.432	0	
08/24/95		0.51680261	0.058	0.15966435	0.022	0	0.021	0	4.593	0	0.017
		0.52090765	0.058	0.17208749	0.022	0	0.022	0		0	
08/24/95 08/24/95		0.51679339	0.058	0.16660995	0.023	0.02603956	0.022	0		0	+
V0124183	00.00:00	0.51745984	0.058	0.16298203	0.023	0.02397748	0.022	0	5.813	0	0.017

Site: Beef	Processir			· · · · · ·							
Upwind Da											
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/24/95	06:05:00	0.51651528	0.058	0.17249559	0.023	0	0.021	0	4.921	0	0.017
08/24/95	06:10:01	0.5171719	0.059	0.1950187	0.023	0	0.02	0	3.988	0	0.016
08/24/95	06:15:01	0.52515828	0.059	0.1977168	0.023	0	0.02	. 0	4.114	0	0.016
08/24/95	06:20:01	0.51854872	0.06	0.22245114	0.023	0	0.02	0	4.573	0	0.016
08/24/95	06:25:00	0.51994399	0.059	0.1852314	0.023	0	0.02	0	4.281	0	0.015
08/24/95	06:30:00	0.51660424	0.06	0.22765063	0.023	0	0.02	0	4.304	0	0.016
08/24/95	06:35:01	0.51662154	0.059	0.20731634	0.023	0	0.019	0	3.991	0	0.015
08/24/95	06:40:01	0.51704378	0.059	0.22125165	0.023	0	0.018	0	3.389	0	0.014
	06:45:01	0.51671198	0.059	0.2120286	0.023	0	0.02	0	4.702	0	0.016
	06:50:00	0.51828574	0.06	0.2198886	0.023	0	0.019	0	4.236	0	0.015
1——	06:55:00	0.52178335	0.06	0.24031764	0.023	0.02369784	0.019	0	3.758	0	0.015
	07:00:00	0.52297565	0.062	0.30208952	0.023	0.02757038	0.021	0	4.763	0	0.017
08/24/95		0.51762417	0.062	0.29895217	0.023	0	0.017	0	3.64	0	0.014
	07:10:01	0.52048257	0.062	0.303973	0.023	0	0.016	Ö	2.856	0	0.013
	07:15:01	0.51770467	0.062	0.30815243	0.024	Ö	0.015	0	2.739	0	0.012
	07.20.00	0.51682931	0.06	0.23026304	0.024	0	0.015	o	2.648	0	0.012
	07:25:01	0.51789589	0.06	0.23976463	0.024	0	0.015	o	2.644	0	0.012
	07:30:01	0.51681304	0.061	0.26765068	0.023	. 0	0.017	0	3.191	0	0.012
	07:35:01	0.52011478	0.061	0.27377293	0.023	0	0.017	0	3.487	0	0.013
	07:40:02	0.52011478				0	0.019			0	0.014
	07:45:03		0.061	0.26833823	0.023			0	3.573		
		0.51997599	0.061	0.2875478	0.023	0.1010885	0.019	0	3.313	0	0.015
	07:50:02	0.51702657	0.062	0.31745733	0.023	0.20075458	0.019	0	3.077	0	0.015
	07:55:02	0.51605575	0.06	0.24852329	0.023	0.15509754	0.018	0	3.186	0	0.014
	08:00:02	0.51901781	0.059	0.2309029	0.022	0.1656877	0.018	0	3.402	0	0.014
	08:05:02	0.51860046	0.06	0.25388234	0.022	0.11117511	0.017	0	3.274	. 0	0.014
	08:10:03	0.51841696	0.059	0.20456688	0.022	0.09929904	0.017	0	3.232	0	0.014
	08:15:03	0.51499959	0.059	0.21497241	0.021	0.08722731	0.017	0 '	3.241	0	0.013
	08:20:03	0.51318312	0.06	0.26964412	0.021	0.08310129	0.016	[2.974		0.013
	08:25:03	0.51224311	0.059	0.22966002	0.021	0.02526369	0.015	0	2.657	0	0.012
	08:30:03	0.51161456	0.058	0.2076117	0.021	0	0.016	0	2.57	0	0.013
	08:35:04	0.51656241	0.058	0.20883007	0.021	0.03253077	0.016	0	2.797	. 0	0.013
08/24/95	08:40:04	0.51878798	0.058	0.20414913	0.02	0.03464415	0.016	0	2.689	0	0.013
08/24/95	08:45:04	0.51119681	0.058	0.2132721	0.02	0.02023351	0.016	0	2.409	0	0.012
08/24/95	08:50:03	0.50968184	0.058	0.21202064	0.02	0	0.016	0	2.358	0	0.013
08/24/95	08:55:03	0.50906598	0.058	0.2070684	0.02	0.02608908	0.016	0	2.28	0	0.012
08/24/95	09:00:03	0.50865344	0.058	0.20411983	0.02	0.02436269	0.017	0	2.15	0	0.013
08/24/95	09:05:04	0.51046384	0.058	0.20284568	0.019	0	0.017	0	2.044	0	0.013
08/24/95	09:10:04	0.50796093	0.058	0.20912158	0.019	0	0.017	0	2.036	0	0.013
08/24/95	09:15:04	0.50741095	0.058	0.21000106	0.019	0.01990062	0.017	0	2.067	0	0.014
	09:20:03	0.50681653	0.058	0.20538886	0.019	0	0.017	ō	1.963	0	0.013
08/24/95	09:25:03	0.51029379	0.057	0.20583464	0.019	0	0.017	0	1.978	0	0.014
08/24/95		0.50685137	0.058	0.20943543	0.019	0	0.017		1.931	0	0.013
08/24/95		0.50543695	0.058		0.019	0	0.017	0	2.036	0	0.013
08/24/95		0.50994745	0.057	0.21020566	0.018	0	0.017	o	2.074	0	0.013
08/24/95		0.50531056	0.057	0.20943284	0.018	0	0.016	0	1.92	0	0.013
08/24/95		0.50575053	0.058	0.21324432	0.018	0	0.016	0	1.824	0	0.013
08/24/95		0.50636555	0.057	0.21015608	0.018	0	0.015	0	1.82	0	0.012
08/24/95		0.50475094	0.057	0.20865253	0.018	0	0.016	0	1.84	- 0	0.012
08/24/95		0.50789663	0.057	0.2109128	0.018	0	0.017	0	1.96	0	0.012
08/24/95		0.50769863	0.057	0.2109128		0	0.017	0	1.854	0	+
					0.018		-				
08/24/95		0.50573523 0.50719463	0.056	0.20331511	0.017	0	0.017	0	1.81	0	0.014
08/24/95			0.057	0.20072524	0.018	0	0.017	0	1.847		0.013
08/24/95		0.50111352	0.057	0.20257781	0.017	0	0.017	0	1.733		
08/24/95		0.50607718	0.056	0.1943203	0.017	0	0.017	0	1.772	0	0.013
08/24/95		0.50213484	0.056	0.19831936	0.017	0	0.017	0	1.836		0.013
08/24/95		0.50634193	0.056	0.19457584	0.017	0	0.017	0	1.873	0	0.013
08/24/95		0.49913278	0.056	0.19575798	0.017	0	0.017	0	1.725	0	0.013
08/24/95	10:50:04	0.50230553	0.056	0.18829498	0.017	0	0.017	0	1.711	0	0.013
08/24/95		0.50224888	0.056	0.19286446	0.017	. 0	0.018	0	1.639	0	0.014
08/24/95	11:00:05	0.50418056	0.056	0.18610243	0.017	_ 0	0.018		1.782	0	0.014
	11:05:06	0.50195312	0.056	0.18643655	0.017	0	0.018	0	1.654	0	0.014
08/24/95	1.00.00										

SW Beef

Site: Beel	Processin		1								
	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm_	95% CI	ppm	95% CI	ррт	95% CI	ppm	95% CI
08/24/95	11:15:05	0.49834713	0.056	0.18927822	0.017	0	0.017	0	1.608	0	0.014
08/24/95	11:20:06	0.49951974	0.056	0.19162563	0.017	0	0.017	0	1.59		0.013
08/24/95	11:25:07	0.49782293	0.056	0.18707427	0.017	0	0.017	0	1.594	0	0.013
08/24/95	11:30:07	0.49783616	0.056	0.18802923	0.017	0	0.017	0	1.419	0	0.013
08/24/95	11:35:07	0.49988591	0.056	0.18974668	0.016	0	0.017	_ 0	1.406	0	0.013
08/24/95	11:40:07	0.49749304	0.056	0.19103375	0.017	0	0.017	0	1.404	0	0.013
	11:45:07	0.49706578	0.056	0.19088668	0.016	0	0.017	0	1.412	0	0.013
-	11:50:07	0.49939443	0.056	0.19192852	0.016	0	0.017	0	1.495	0	0.014
-	11:55:09	0.49680175	0.056	0.19263513	0.016	0	0.017	0	1.425	0	0.014
-	12:00:08	0.5009018	0.056	0.19214665	0.016	0	0.018	0	1.664	0	0.014
Run 13											
08/24/95	18:39:54	0.49691037	0.055	0.16991789	0.017	0	0.017	0	1,79	0	0.014
	18:44:54	0.49693343	0.055	0.16693236	0.017	0	0.017	0	1.931	0	0.014
	18:49:55	0.49750161	0.055	0.16977328	0.017	0	0.017	0	2.272	0	0.014
	18:54:56	0.49797898	0.055	0.17530951	0.017	0	0.017	0	1.955	0	0.013
$\overline{}$	18:59:54	0.49789444	0.055	0.16903192	0.017	0	0.017	0	2.167	0	0.014
	19:04:55	0.49873527	0.055	0.1742391	0.017	0	0.018	0	2.337	0	0.014
	19:09:55	0.49857602	0.055	0.16857754	0.017	0	0.018	- 0	2.248	0	0.014
	19:14:54	0.50043807	0.055	0.16862958	0.017	Ö	0.019	0	2.077	0	0.015
	19:19:54	0.49943845	0.055	0.16734992	0.017	0	0.019	0	2.233	0	0.015
	19:24:55	0.49939187	0.056	0.1699816	0.017	0	0.019	0	2.26	0	0.015
	19:29:55	0.50038767	0.056	0.17473315	0.017	0	0.019	0	3.283	0	0.015
	19:34:54	0.50088482	0.056	0.1929183	0.017	0	0.013	0	4.676	- 0	0.016
	19:39:55	0.50444076	0.056	0.17551185	0.017	0	0.02	0	3.981	0	0.016
	19:44:55	0.50158074	0.056	0.18727191	0.017	0	0.02	Ö	4.166	0	0.015
	19:49:54	0.50423792	0.056	0.17648327	0.017	0	0.02	0	4.041	0	0.016
	19:54:54	0.50205149	0.056	0.18307723	0.017	0	0.019	0	2.649	0	0.015
}- /	19:59:55	0.50014538	0.056	0.18062058	0.017	Ö	0.018	0	1.304	0	0.014
	20:04:54	0.4999157	0.056	0.1718953	0.017	- 0	0.018	0	1.137	0	0.014
	20:09:54	0.49981366	0.056	0.17294318	0.017	0	0.017	- 6	1.149	0	0.014
 	20:14:55	0.49971062	0.056	0.18106923	0.017	0	0.017	0	1.121	0	0.014
	20:19:55	0.49992345	0.056	0.17034678	0.017	0	0.017	0	1.158	0	0.013
	20:24:56	0.49966641	0.056	0.17336281	0.018	- 0	0.017	0	1.188	0	0.013
	20:29:56	0.50051089	0.056	0.17315456	0.018	0	0.017	0	1.22	Ö	0.013
	20:34:55	0.50060841	0.056	0.16929707	0.018	0	0.017	Ö	1.215	0	0.013
	20:39:55	0.50301803	0.056	0.17121874	0.018	0	0.017	0	1.197	0	0.013
	20:44:56	0.50083599	0.056	0.17414543	0.018	- 0	0.017	- 0	1.227		0.013
	20:49:56	0.50134063	0.056	0.16867953	0.018	- 0	0.017	0	1.221	- 0	0.013
	20:54:57	0.50134003	0.056	0.16777205	0.018	0	0.017	0	1.222	0	0.013
						···					-
	20:59:57 21:04:57	0.50111823	0.056	0.16994444	0.018	0	0.017	0	1.227	0	0.013
08/24/95		0.50216084	0.056	0.16842939	0.018		0.017		1.269	0	0.013
08/24/95		0.50392344	0.056		0.018	0	0.017	0	1.303		0.013
		0.5025455	0.056	0.16680898	0.018		0.017	0	1.27	0	
08/24/95 08/24/95		0.50295178	0.056	0.17058467	0.018	0	0.017	0	1.22		0.014
		0.50298742	0.056	0.16706845	0.018	0	0.017	0	1.24	0	0.014
08/24/95		0.50537822	0.056	0.16686387	0.018		0.017	0	1.327	0	0.014
08/24/95		0.50344455	0.056	0.16952044	0.018	0	0.017	0	1.293	0	0.014
08/24/95		0.50383015	0.056	0.17620715	0.019	0	0.017	0	1.295	0	0.014
08/24/95		0.50384737	0.056	0.16750452	0.019	0	0.017	0	1.316	- 0	0.014
08/24/95		0.50424903	0.056	0.16637997	0.019	. 0	0.018	0	1.305	0	+
08/24/95		0.5051711	0.056	0.16887148	0.019	0	0.018	0	1.333	0	0.014
08/24/95		0.50490481	0.056	0.16563896	0.019	0	0.018	0	1.401	0	0.014
08/24/95		0.50506536	0.056	0.16743111	0.019	0	0.018	0	1.357	0	+
08/24/95		0.50530353	0.056	0.16618034	0.019	0	0.018	0	1.322	0	
08/24/95		0.50522541	0.056	0.16922114	0.019	0	0.018	0	1.329	0	0.014
08/24/95		0.50541568	0.057	0.1699481	0.019	0	0.018	0	1.475	0	→
08/24/95		0.50557454	0.057	0.17106987	0.019	0	0.018	0	1.459	0	0.014
08/24/95		0.50525861	0.056	0.17114847	0.019	0	0.018	0	1.4	0	0.014
08/24/95		0.50593827	0.056	0.17067397	0.019	0	0.018	0	1.418	0	0.014
08/24/95		0.50598562	0.057	0.17234686	0.019	Ö	0.018	0	1.445	0	0.014
08/24/95		0.50622238	0.057	0.17198297	0.019	lo	0.018	0	1.45	0	0.014
	22:49:59	0.50844815	0.057	0.175487	0.019	0	0.018	0	1.778	0	0.014

Site: Bee	1 Processi	r			l		1				
	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	22:54:59	0.50992931	0.057	0.17571963	0.019	0	0.018	0_	1.686	0	0.014
	22:59:59	0.50708828	0.057	0.17278318	0.019	0	0.018	0	1.53	0	0.014
	23:04:59	0.50702348	0.057	0.1705894	0.02	0	0.018	0	1.631	0	0.014
	23:10:01	0.50759021	0.057	0.17099866	0.02	0	0.018	0	1.751	0	0.014
1——	23:15:00	0.51128773	0.057	0.16976781	0.02	0	0.018	0	1.735	0	0.014 0.014
	23:19:59	0.51166051 0.50828865	0.057	0.17275704 0.17287981	0.02	0	0.018	0	1.897	0	0.014
	23:30:00	0.50866205	0.057	0.17575363	0.02	0	0.018	0	1.834	0	0.014
	23:35:00	0.51097315	0.057	0.17375363	0.02	0	0.018	- 0	1.726	0	0.014
	23:40:00	0.50869055	0.057	0.16963686	0.02	0	0.018	0	1.783	0	0.015
	23:45:01	0.5092406	0.057	0.17128702	0.02	0	0.018	0	1.933	0	0.015
	23:50:01	0.51115185	0.057	0.17163004	0.02	0	0.018	0	1.978	0	0.015
	23:55:01	0.50997004	0.058	0.17486257	0.02	0	0.019	0	2.01	Ō	0.015
	00:00:00	0.51329348	0.057	0.16963295	0.02	0	0.019	0	1.986	0	0.015
08/25/95	00:05:00	0.50981878	0.058	0.16920757	0.02	0	0.019	. 0	1.998	0	0.015
	00:10:00	0.50946195	0.057	0.1687222	0.02	0	0.019	0	2.107	0	0.015
	00:15:01	0.51035427	0.058	0.17209493	0.02	0	0.018	0	2.056	0	0.015
	00:20:01	0.51034071	0.058	0.1743243	0.02	0	0.019	0	2.123	0	0.015
	00:25:00	0.51079357	0.058	0.18088089	0.02	0	0.019	0	2.16	0	0.015
	00:30:00	0.51105329	0.058	0.17155848	0.02	0	0.018	0	2.14	0	0.014
	00:35:00	0.51133857	0.058	0.17019032	0.021	0	0.019	0	2.61	0	0.015
	00:40:01	0.51171915	0.058	0.16863721	0.021	0	0.02	0	2.813	0	0.016
08/25/95		0.51258695	0.058	0.17046115	0.021	0	0.019	0	2.832	0	0.015
	00:50:01	0.51211405	0.058	0.17201612	0.021	0	0.019	0	2.616	0	0.015
	00:55:01 01:00:02	0.51298741	0.058	0.17212509	0.021	0	0.019	0	2.505	0	0.015
	01:05:02	0.51302332 0.51316801	0.058	0.17169952 0.17094684	0.021	0	0.018	0	2.289	0	0.014
	01:10:02	0.51298492	0.058	0.17094884	0.021	0	0.018	0	2.977	0	0.014
08/25/95		0.51314032	0.058	0.16734021	0.021	0	0.018	- 0	2.409	0	0.014
	01:20:01	0.51404624	0.058	0.1646299	0.021	0	0.018	Ö	1.839	Ö	0.014
08/25/95		0.51247458	0.058	0.16562742	0.021	0	0.019	0	2.576	0	0.015
08/25/95		0.51392605	0.058	0.16466121	0.021	0	0.018	0	2.298	0	0.014
08/25/95	01:35:02	0.51434127	0.058	0.16158172	0.022	0	0.018	0	2.175	0	0.014
08/25/95	01:40:02	0.51436292	0.058	0.16641473	0.022	0	0.018	0	2.335	0	0.014
08/25/95	01:45:03	0.51391696	0.058	0.16361793	0.021	0	0.018	0	2.978	0	0.014
08/25/95		0.51389505	0.058	0.1631361	0.021	0	0.019	0	2.782	0	0.015
08/25/95		0.51459119	0.058	0.16366436	0.022	0	0.018	0	2.42	0	0.014
	02:00:02	0.51460187	0.058	0.16461171	0.022	0	0.019	0	3.15	0	0.015
	02:05:02	0.51414539	0.059	0.18142469	0.022	0	0.02	. 0	3.706	0	0.016
	02:10:03	0.5136557	0.058	0.16723421	0.022	0	0.018	0	2.613	0	0.014
	02:15:03	0.51385158	0.058	0.16316717	0.022	0	0.019	0	3.201	0	0.015
08/25/95		0.51419902	0.058	0.1606057	0.022	0	0.018		2.128	0	0.014
08/25/95 08/25/95		0.5133509	0.058	0.1642244	0.021	0	0.019	+	2.877	0	0.015
08/25/95		0.51405824 0.5130797	0.058	0.16298082 0.16983058	0.022	0	0.018	0	2.434	0	0.015
08/25/95		0.5130797	0.058	0.16983058	0.021	0	0.018	0	3.003	0	0.014
08/25/95		0.51317747	0.058	0.16714426	0.021	0	0.019	0	2.793	0	0.015
08/25/95		0.51300371	0.058	0.16560425	0.023	0	0.017	0	2.783	0	0.014
08/25/95		0.51321021	0.058	0.17617826	0.022	0	0.018	0	2.355	0	0.014
08/25/95		0.5147633	0.058	0.17575164	0.022	0	0.017	0		0	0.014
08/25/95		0.51440374	0.059	0.18780682	0.022	0	0.017	0	2.227	0	0.014
08/25/95		0.51395831	0.058	0.17164555	0.022	0	0.018	0	2.562	ŏ	0.014
08/25/95		0.51428443	0.058	0.16697123	0.022	0	0.018	0		ō	0.014
08/25/95		0.51496804	0.059	0.19229819	0.022	0	0.018	0	2.273	0	0.014
08/25/95	03:25:04	0.51508704	0.058	0.1781406	0.022	0	0.018	0	2.284	0	0.014
08/25/95	03:30:04	0.51434756	0.058	0.16417427	0.022	0	0.019	Ŏ	2.578	0	0.015
08/25/95		0.51410944	0.058	0.1649973	0.022	0	0.018	0	2.72	0	0.014
08/25/95		0.51443531	0.058	0.17281811	0.022	0.36475375	0.017	Ö	2.677	0	0.014
08/25/95		0.51480244	0.058	0.16910441	0.022	0.77811905	0.018	0	2.394	. 0	0.014
08/25/95		0.51491097	0.058	0.16443721	0.022	0.68824842	0.018	0	2.63	0	0.014
08/25/95		0.51524672	0.058	0.16462285	0.022	0.64015173	0.019	0	 	0	0.015
08/25/95	<u>04:00:05</u>	0.51539526	0.058	0.16677423	0.022	0.71762799	0.019	0	2.725	0	0.015

Site: Bee	f Processir										
Upwind D	ata in ppm							-			
Date	Time	N2O_		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm_	95% CI	ppm	95% CI	ppm	95% CI		95% CI
	04:05:06	0.51521791	0.058	0.16155413	0.022	0.8242403	0.019	.0	2.758		0.015
08/25/95	04:10:06	0.51596671	0.058	0.17870807	0.022	0.71873371	0.021	0	3.9	0	0.016
08/25/95	04:15:06	0.51800712	0.058	0.17032005	0.022	0.22420233	0.02	0	3.154	0	0.016
08/25/95	04:20:06	0.51705044	0.058	0.16386088	0.022	0.50382886	0.019	0	3.371	0	0.015
08/25/95	04:25:07	0.51510956	0.058	0.16328778	0.022	0.42170938	0.019	0	3.053	0	0.015
08/25/95	04:30:07	0.51488297	0.058	0.16472787	0.022	0.15594961	0.018	0	2.701_	0	0.014
08/25/95	04:35:07	0.5186108	0.058	0.17004878	0.022	0	0.018	0	2.645	0	0.014
08/25/95	04:40:06	0.51755559	0.058	0.17096072	0.022	0	0.018	0	2.906	0	0.014
08/25/95	04:45:06	0.51325139	0.058	0.18040509	0.021	0	0.018	0	2.961	0	0.014
08/25/95	04:50:07	0.51384495	0.058	0.17764697	0.021	0	0.018	0	3.121	0	0.014
08/25/95	04:55:07	0.51367762	0.058	0.18152928	0.021	0	0.017	0	3.125	0	0.014
08/25/95	05:00:07	0.51453981	0.059	0.19423605	0.021	0	0.018	0	3.357	0	0.015
08/25/95	05:05:06	0.51489057	0.058	0.18324207	0.021	0	0.018	0	3.195	0	0.014
08/25/95	05:10:06	0.5151431	0.058	0.18750336	0.021	0	0.018	0	3.106	0	0.015
08/25/95	05:15:07	0.51459739	0.058	0.18139149	0.021	0	0.018	0	2.942	0	0.014
08/25/95	05:20:07	0.51526351	0.059	0.22053103	0.021	0	0.018	0	3.104	0	0.014
	05:25:07	0.51465395	0.058	0.17478608	0.021	0	0.018	0	2.968	0	0.015
	05:30:06	0.51487202	0.058	0.16987942	0.021	0	0.018	0	2.869	ō	0.014
	05:35:06	0.51496989	0.058	0.17274721	0.021	0	0.019	0	3.001	ō	0.015
	05:40:07	0.51528592	0.058	0.17517976	0.021	0	0.018	0	3.082	0	0.014
08/25/95		0.51574432	0.058	0.17304149	0.021	0	0.018	0	3.502	0	0.015
	05:50:07	0.51577713	0.058	0.18133386	0.021	0	0.018	0	3.02	ō	0.014
08/25/95		0.51907694	0.058	0.16881436	0.021	0	0.019	0	3.287	0	0.015
	06:00:07	0.51629804	0.058	0.17485584	0.021	0	0.019	0	3.658	0	0.015
08/25/95		0.51556801	0.059	0.1833469	0.021	0	0.019	0	3.263	-	0.015
	06:10:08	0.51644828	0.059	0.17831056	0.021	0	0.018	ŏ	3.049	0	0.014
	06:15:08	0.51721947	0.059	0.18979933	0.021	0	0.018	0	2.775	0	0.015
	06:20:08	0.51924576	0.03	0.22976054	0.021	. 0	Q.018	0	2.561	ő	0.013
	06:25:09	0.51933479	0.06	0.25281113	0.021	. 0	0.018	0	2.594	0	0.014
	06:30:09	0.51882053	0.059	0.23281113	0.021	. 0	0.018	0	2.844	- 0	0.014
	06:35:09	0.52121341	0.059	0.20393889	0.021	. 0	0.018	0	3.069	0	0.013
08/25/95		0.51638589		0.20452974	0.021		0.018	0		0	0.014
			0.059			0			2.648		
08/25/95	06:45:09	0.51882842	0.059	0.22034679	0.021	0	0.018	0	2.489	0	0.014
	06:55:10	0.51639854	0.059	0.20291758	0.021	0,	0.018	0	2.47	0	0.014
		0.52000692	0.059	0.20266098	0.021	0	0.018	0	2.454	0	0.014
	07:00:10	0.5164202	0.059	0.22245961	0.021	0	0.018	0	2.465	0	0.014
	07:05:11	0.51600742	0.059	0.22411893	0.021	0	0.018	0	2.415	0	0.014
08/25/95		0.51806709		0.2470463	0.021	0	0.018	0	2.411	0	0.014
	07:15:11	0.51986091	0.06	0.23472673	0.021	0	0.018	0	2.357	0	0.014
	07:20:11	0.51885203	0.06	0.24360935	0.022	0	0.018	0	2.704	0	0.014
08/25/95		0.51727156	0.06	0.26640083	0.021	0	0.018	0	2.893	0	0.014
	07:30:12			0.24457181	0.022		0.018		3.008	0	
08/25/95		0.51614471		0.26280015	0.021	0	0.018	0	2.938	0	
08/25/95		0.51648097	0.06	0.26970456	0.021	0			2.816	0	1
08/25/95		0.5161652	0.061	0.28714474	0.021	0	0.018		2.771	0	0.014
08/25/95		0.515177	0.06	0.25351359	0.021	0	0.017	0		0	
08/25/95		0.5147765		0.22186204	0.021	0	0.017	0	2.965	0	0.014
08/25/95		0.5141552	0.059	0.22934874	0.021	0		0	2.828	0	0.014
08/25/95		0.51790642		0.24837256	0.021	0	0.017	0	2.66	0	0.013
08/25/95		0.51626692	0.059	0.24086628	0.021	0	0.017	0	2.409	0	0.014
	08:15:14		0.06	0.28911651	0.021	0	0.017	0	2.539	0	0.014
08/25/95	08:20:14	0.51244016	0.059	0.25320959	0.02	0	0.017	0	2.388	0	0.014
08/25/95		0.51174568	0.059	0.22881779	0.02	0	0.017	0	2.235	0	0.013
08/25/95		0.51148787	0.059	0.2300435	0.02	0	0.017	0	2.229	0	0.013
08/25/95		0.51208068	0.059	0.22247207	0.02	0	0.017	0	2.231	o	+
08/25/95		0.51377173	0.058	0.22992905	0.02	0	0.016	Ö		0	
08/25/95	08:45:15	0.51370655	0.058	0.22717831	0.02	0	0.016	0	2.142	0	
08/25/95		0.51244377	0.058	0.21514059	0.02	0	0.016	0	2.185	ō	+
08/25/95		0.50784713	0.058	0.20899693	0.02	0	0.016	0	2.155	0	
08/25/95		0.51076292				0	0.016	0			
		- 1.0 101 OEOE	0.007	7.21000013	0.013		0.010	<u> </u>	1 2.13		1 0.013

Site: Beel	Processin						<u> </u>				
	ata in ppm										
Date	Time	CL3F		CCL4		TCFM	0.00	CL2F2	059/ 01	HCC	05% (01
Run 6		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	21:19:46	0.00877855	0.002	0.00922303	0.002	0	0.0006	0.00577828	0.001	0	0.052
08/21/95		0.00778852	0.002	0.00922303	0.002		0.0005	0.00621931	0.001	0	0.052
08/21/95		0.00665861	0.002	0.00710251	0.002	0	0.0005	0.0062147	0.001	0	0.051
08/21/95		0.00665243	0.002	0.0072068	0.002	0	0.0005	0.00598719	0.001	0	0.05
	21:39:47	0.00718806	0.002	0.00718806	0.002	0	0.0005	0.0060822	0.001	0	0.051
08/21/95		0.00662896	0.002	0.00640799	0.002	0	0.0006	0.00596606	0.001	0	0.049
08/21/95		0.00707089	0.002	0.00673944	0.002	0	0.0005	0.00596606	0.001	0	0.048
08/21/95	21:54:47	0.00716799	0.002	0.00683716	0.002	0	0.0006	0.00584467	0.001	0	0.049
08/21/95	21:59:47	0.00693837	0.002	0.00660797	0.002	0	0.0006	0.00572691	0.001	0	0.048
08/21/95		0.00737476	0.002	0.00781505	0.002	0	0.0006	0.00561363	0.001	0	0.049
08/21/95		0.00846756	0.002	0.00703797	0.002		0.0006	0.00571835	0.001	0	0.049
08/21/95		0.00758214	0.002	0.00736236	0.002	0	0.0006	0.00560419	0.001	0	0.049
08/21/95		0.00846281	0.002	0.00692412	0.002	0	0.0006	0.00593496	0.001		0.048
	22:24:48 22:29:48	0.0081407	0.002	0.00803069	0.002	0	0.0006	0.00539046	0.001	0	0.048
08/21/95		0.00802318	0.002	0.0083529	0.002	- 0			0.001	0	0.048
	22:34:49	0.00835134	0.002	0.00824145	0.002		0.0006	0.0054943	0.001	0	0.048
	22:44:50	0.00845331	0.002	0.00724976	0.002	0	0.0006	0.00515981	0.001	- 0	0.048
	22:49:50	0.00811787	0.002	0.00745967	0.002		0.0006	0.00537535	0.001		0.048
08/21/95		0.00888578	0.002	0.00767907	0.002	0	0.0006	0.00526565	0.001	0	0.048
	22:59:49	0.00898368	0.002	0.00788811	0.002	0	0.0006	0.00525874	0.001	0	0.047
08/21/95	23:04:50	0.00908642	0.002	0.00788219	0.002	0	0.0007	0.00514532	0.001	0	0.047
08/21/95	23:09:50	0.00897526	0.002	0.00799017	0.002	0	0.0007	0.00536326	0.001	Ö	0.048
08/21/95	23:14:49	0.00941837	0.002	0.00766611	0.002	0	0.0007	0.00514725	0.001	0	0.047
	23:19:50	0.00964102	0.002	0.00744988	0.002	0	0.0007	0.00514918	0.001	0	0.048
	23:24:50	0.0090847	0.002	0.00777125	0.002	0	0.0006	0.00536326	0.001	0	0.047
08/21/95		0.00897524	0.002	0.00733343	0.002	0	0.0007	0.00514435	0.001	0	0.048
	23:34:51	0.01049971	0.002	0.00776541	0.002	. 0	0.0007	0.00514048	0.001	0	0.047
	23:39:51	0.00929662	0.002	0.00776541	0.002		0.0007	0.00535923	0.001	0	0.049
	23:44:50	0.0101735	0.002	0.00765748	0.002		0.0007	0.00514145	0.001	0	0.047
08/21/95 08/21/95	23:49:51	0.00995285	0.002	0.00710918	0.002	0	0.0007	0.00524985	0.001	0	0.047
	23:59:50	0.00972495	0.002	0.00743729	0.002	0	0.0007	0.00502638	0.001	0	0.048
	00:04:51	0.01016585	0.002	0.00787034	0.002		0.0007	0.00459103	0.001	0	0.046
	00:09:50	0.01016585	0.002	0.00819827	0.002	0	0.0007	0.00491896	0.001	0	0.046
	00:14:50	0.00995098	0.002	0.00732654	0.002	0	0.0007	0.00470211	0.001	0	0.046
_	00:19:50	0.00983794	0.002	0.00819828	0.002	0	0.0007	0.00480966	0.001	0	0.045
	00:24:51	0.01006223	0.002	0.00853103	0.002	0	0.0007	0.00481237	0.001	0	0.043
08/22/95	00:29:51	0.00984719	0.002	0.00776834	0.002	0	0.0007	0.00481418	0.001	0	0.044
	00:34:52	0.00984904	0.002	0.00820753	0.002	0	0.0007	0.00470565	0.001	0	0.046
08/22/95		0.01038645	0.002	0.00852782	0.002	0	0.0007		0.001	0	0.044
08/22/95	+	0.01038254	0.002	0.00874319	0.003	0	0.0007		0.001	0	0.044
08/22/95	+	0.01048788	0.002	0.00863065	0.002		0.0007	0.00458845	0.001	0	0.043
08/22/95		0.01004521	0.002	0.00851659	0.002		0.0007	0.00458586	0.001	0	0.044
08/22/95		0.01037082	0.002	0.00873332	0.002		0.0007	0.00447583	0.001	0	0.044
08/22/95 08/22/95		0.00960666 0.01025393	0.002	0.00829666 0.00861766	0.002	0	0.0007	0.00480333	0.001	0	0.044
08/22/95	+	0.01023393	0.002	0.00807376	0.002	0	0.0007	0.00469063	0.001	0	0.044
08/22/95	+	0.00982129	0.002	0.00807370	0.002	0	0.0007	0.0044733	0.001	0	0.043
08/22/95		0.0092809	0.002	0.00797066	0.002	0	0.0007	0.00480423	0.001	0	0.044
08/22/95		0.01036887	0.002	0.00753107	0.002	0	0.0007	0.00458413	0.001	0	0.045
08/22/95		0.0092809	0.002	0.00753391	0.002	0	0.0007	0.00480423	0.001	0	0.044
08/22/95	 +	0.01026552	0.002	0.00829978	0.002	0	0.0007	0.00436831	0.001	0	0.044
08/22/95		0.01014867	0.002	0.00807528	0.002	0	0.0007	0.00447414	0.001	0	0.044
08/22/95		0.01035908	0.002	0.00883248	0.002	0	0.0007	0.00425267	0.001	0	0.043
08/22/95		0.01056919	0.002	0.00784517	0.002	o	0.0007	0.00457635	0.001	0	0.042
08/22/95		0.01002627	0.002	0.00817359	0.003	0	0.0007	0.00425027	0.001	0	+
08/22/95		0.00992104	0.002	0.00741352	0.003	0	0.0007	0.00501503	0.001	0	+
08/22/95		0.0095994	0.002	0.00774497	0.002		0.0007	0.00447245	0.001	0	·
08/22/95		0.01023844	0.002	0.00827789	0.003	0	0.0007	0.00424786		0	
08/22/95	02:19:54	0.01055722	0.002	0.0072921	0.003	0	0.0007	0.00435349	0.001	0	0.042

1002/2295 1022-25-5 100103719 10020 10077 10077 10070	Site: Bee	Processir										
Dec.	Upwind Da	ata in ppm										
DEAZE295 GOZEA54 OLOGO79166 OLOGO OLOGO79694 OLOGO OLOGO7 OLOGO41445 OLOGO OLOGO7265 OLOGO7975 OLOGO OLOGO7975 OLOGO7 OLOGO7975 OLOGO7975 OLOGO7 OLOGO7975 OLOGO7975 OLOGO7 OLOGO7975 OLOGO797	Date	Time	CL3F_		CCL4		TCFM		CL2F2		HCC	
0.002295 0.022553 0.01033173 0.002 0.00717783 0.003 0.0007 0.0046896 0.001 0.007 0.002295 0.002295 0.002395 0.002395 0.002395 0.0007 0.0045896 0.001 0.002295 0.002295 0.002395 0.002295			ppm	95% CI								95% CI
Fig. 225 Gr. 34:53 O. 10192227 O. 002 O. 0.0738912 O. 0.03 O. 0.0007 O. 0.0458984 O. 0.01 O. 0. 0. 0.072295 O. 0.29595 O. 0.02 O. 0.0761873 O. 0.03 O. 0.0007 O. 0.0458944 O. 0.01 O. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.												0.042
DEFECTION CONTRIBUTE CONT												0.044
Diagraps												0.044
1002295 02:49:54 0.01011422 0.002 0.00739954 0.003 0 0.0007 0.0042445 0.001 0 0.0072955 0.002297 0.002 0.00717783 0.003 0 0.0007 0.0042445 0.001 0 0.0072955 0.002295 0.002297 0.002 0.00739554 0.003 0 0.0007 0.0044456 0.001 0 0.0072955 0.002295 0.0022												0.042
Dial/2295 02:54:54 0.01022297 0.002 0.0717783 0.003 0 0.0007 0.0342145 0.001 0 0.0022295 0.0022395 0.0022395 0.002395 0.0030 0 0.0007 0.0343656 0.001 0 0.0022295 0.00355 0.01002168 0.002 0.00739535 0.003 0 0.0007 0.0343656 0.001 0 0.0022295 0.00355 0.00323978 0.002 0.00739535 0.003 0 0.0007 0.0343656 0.001 0 0.0022295 0.00355 0.00323978 0.002 0.0073295 0.003 0 0.0007 0.0343638 0.001 0 0.0022295 0.00355 0.00323978 0.002 0.0077216 0.003 0 0.0007 0.0445898 0.001 0 0.0022295 0.00356 0.0032393 0.003 0 0.0007 0.00445898 0.001 0 0.0022295 0.00356 0.0032393 0.003 0 0.0007 0.0042394 0.001 0 0.0022295 0.00356 0.0032393 0.003 0 0.0007 0.0042394 0.001 0 0.0022295 0.00356 0.0032392 0.003 0 0.0007 0.0042494 0.001 0 0.0022295 0.00356 0.0032392 0.003 0 0.0007 0.0042493 0.001 0 0.0022295 0.00356 0.0032392 0.003 0 0.0007 0.0042493 0.001 0 0.0022295 0.00356 0.0007 0.0042495 0.000 0 0.0022295 0.00356 0.0007 0.0042493 0.001 0 0.0022295 0.00356 0.0007 0.0042393 0.003 0 0.0007 0.0042393 0.001 0 0.0022295 0.00356 0.0007 0.0042393 0.001 0 0.0022295 0.003557 0.0004295 0.0022 0.00733932 0.003 0 0.0007 0.0042394 0.001 0 0.0022295 0.004457 0.0097311 0.002 0.0022295 0.004457 0.0097311 0.002 0.0022295 0.004457 0.0097311 0.002 0.0022295 0.00457 0.0042393 0.002 0.00723725 0.00356 0.00357 0.00401783 0.0001 0.0022295 0.00457 0.0042295 0.0035484 0.002 0.00723725 0.00356 0.0035725 0.00356 0.0037827 0.00356 0.0037827 0.00356 0.0037827 0.0042295 0.00356 0.0037827 0.00366 0.0037827 0.0042295 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.0037825 0.00366 0.003												0.043
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68/22/95 03:54:56 0.00953782 0.002 0.00726175 0.003 0 0.0007 0.00411861 0.001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	08/22/95	03:44:57	0.00977311	0.002	0.00727554	0.003	0	0.0007	0.00401783	0.001	. 0	0.042
68/22/95 04:04:59 0.00987421 0.002 0.00726727 0.003 0 0.0008 0.00412173 0.001 0 0.08/22/95 04:09:59 0.00987637 0.002 0.00716151 0.003 0 0.0008 0.00401479 0.001 0 0.08/22/95 04:09:59 0.0097657 0.002 0.00716151 0.003 0 0.0008 0.00404882 0.001 0 0.08/22/95 04:19:59 0.00943481 0.002 0.00705301 0.003 0 0.0008 0.0043784 0.001 0 0.08/22/95 04:19:59 0.00943481 0.002 0.00628987 0.003 0 0.0008 0.0043784 0.001 0 0.08/22/95 04:29:59 0.0100843481 0.002 0.00628987 0.003 0 0.0007 0.0042284 0.001 0 0.08/22/95 04:29:58 0.00997704 0.002 0.00680321 0.003 0 0.0007 0.0042284 0.001 0 0.08/22/95 04:39:58 0.00997704 0.002 0.00680676 0.003 0 0.0007 0.00477163 0.001 0 0.08/22/95 04:39:58 0.009987704 0.002 0.00680768 0.003 0 0.0007 0.0040125 0.001 0 0.08/22/95 04:49:59 0.00864987 0.002 0.006807528 0.003 0 0.0007 0.0042289 0.001 0 0.08/22/95 04:49:59 0.00964987 0.002 0.00663131 0.003 0 0.0007 0.0042289 0.001 0 0.08/22/95 04:59:59 0.0091077 0.002 0.00663131 0.003 0 0.0007 0.0042289 0.001 0 0.08/22/95 04:59:59 0.0091077 0.002 0.00663131 0.003 0 0.0007 0.0042289 0.001 0 0.08/22/95 04:59:59 0.0091077 0.002 0.00663182 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:09:57 0.00943118 0.002 0.0066718 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:09:57 0.00943118 0.002 0.0066718 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:19:58 0.00941911 0.002 0.0067066 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:19:58 0.0094191 0.002 0.0067066 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:19:58 0.0094191 0.002 0.0066715 0.003 0 0.0007 0.00422857 0.001 0 0.08/22/95 05:19:58 0.00957861 0.002 0.0066716 0.003 0.00007 0.00422857	08/22/95	03:49:57	0.00953963	0.002	0.00715473	0.003	0	0.0007	0.00368577	0.001	0	0.044
68/22/95 (04-04:59 0.00987421 0.002 0.00716151 0.003 0 0.0008 0.00401479 0.001 0 0.08/22/95 04-14:59 0.01052526 0.002 0.0075301 0.003 0 0.0008 0.0044882 0.001 0 0.08/22/95 04-14:59 0.009843481 0.002 0.00628987 0.003 0 0.0008 0.0044882 0.001 0 0.08/22/95 04-14:59 0.009843481 0.002 0.00628987 0.003 0 0.0008 0.0043784 0.001 0 0.08/22/95 04-24:59 0.0008549 0.002 0.00715744 0.003 0 0.0007 0.004224 0.001 0 0.08/22/95 04-24:59 0.0098549 0.002 0.00715744 0.003 0 0.0007 0.004224 0.001 0 0.08/22/95 04-29:58 0.00997704 0.002 0.0068321 0.003 0 0.0007 0.004224 0.001 0 0.08/22/95 04-39:58 0.00997704 0.002 0.0068326 0.003 0 0.0007 0.0042254 0.001 0 0.08/22/95 04-39:58 0.00997704 0.002 0.0066766 0.003 0 0.0007 0.00422859 0.001 0 0.08/22/95 04-49:59 0.00984987 0.002 0.006563813 0.003 0 0.0007 0.00442892 0.001 0 0.08/22/95 04-49:59 0.00984987 0.002 0.00653346 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.00997072 0.002 0.00653346 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.0097625 0.002 0.00563813 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.0097625 0.002 0.0056381 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.0097625 0.002 0.0056312 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.0097625 0.002 0.0066712 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 04-59:58 0.0097625 0.002 0.0066712 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 05-04:58 0.00934518 0.002 0.0066712 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 05-04:58 0.00934518 0.002 0.0066712 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 05-04:58 0.00934518 0.002 0.0066712 0.003 0 0.0007 0.0044292 0.001 0 0.08/22/95 05-04:58 0.00934518 0.002 0.0066712 0.003 0.00068 0.00077			0.00953782	0.002	0.00726175	0.003	0	0.0007	0.00411861	0.001	Ö	0.044
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08/22/95 06:24:59 0.01004722 0.002 0.00615798 0.003 0 0.0008 0.00388925 0.001 0 0 08/22/95 06:29:59 0.00950343 0.002 0.00626362 0.003 0 0.0008 0.00421175 0.001 0 0 08/22/95 06:34:58 0.00950162 0.002 0.00593851 0.003 0 0.0007 0.00410297 0.001 0 0 08/22/95 06:39:58 0.00928744 0.002 0.00604764 0.003 0 0.0008 0.00377977 0.001 0 0 08/22/95 06:44:59 0.00917595 0.002 0.00626124 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:49:59 0.00949981 0.002 0.0064533 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:59:58 0.00993919 0.002 0.00572584 0.003 0 0.0008 <												0.047
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08/22/95 06:34:58 0.00950162 0.002 0.00593851 0.003 0 0.0007 0.00410297 0.001 0 0 08/22/95 06:39:58 0.00928744 0.002 0.00604764 0.003 0 0.0008 0.00377977 0.001 0 0 08/22/95 06:44:59 0.00917595 0.002 0.00626124 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:49:59 0.00949981 0.002 0.0064533 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:54:59 0.00993919 0.002 0.00572584 0.003 0 0.0007 0.00356514 0.001 0 0 08/22/95 06:59:58 0.00929098 0.002 0.00637404 0.003 0 0.0008 0.00399728 0.001 0 0 08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0008 <												0.048
08/22/95 06:39:58 0.00928744 0.002 0.00604764 0.003 0 0.0008 0.00377977 0.001 0 0 0.0008 0.00377977 0.001 0 0 0.0008 0.00367038 0.001 0 0 0 0.0008 0.00367038 0.001 0 0 0 0.0008 0.00367038 0.001 0 0 0 0.0008 0.00367038 0.001 0 0 0 0.0008 0.00367038 0.001 0 0 0 0.0008 0.00367038 0.001 0 0 0 0.00367038 0.001 0 0 0 0.00367038 0.001 0 0 0 0.00367038 0.001 0 0 0 0 0.00367038 0.001 0												0.048
08/22/95 06:44:59 0.00917595 0.002 0.00626124 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:49:59 0.00949981 0.002 0.00604533 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:54:59 0.00993919 0.002 0.00572584 0.003 0 0.0007 0.00356514 0.001 0 0 08/22/95 06:59:58 0.00929098 0.002 0.00637404 0.003 0 0.0008 0.00399728 0.001 0 0 08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0007 0.00388853 0.001 0 0 08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 <												0.048
08/22/95 06:49:59 0.00949981 0.002 0.00604533 0.003 0 0.0008 0.00367038 0.001 0 0 08/22/95 06:54:59 0.00993919 0.002 0.00572584 0.003 0 0.0007 0.00356514 0.001 0 0 08/22/95 06:59:58 0.00929098 0.002 0.00637404 0.003 0 0.0008 0.00399728 0.001 0 0 08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0007 0.00388853 0.001 0 0 08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 0 08/22/95 07:20:00 0.010645 0.002 0.006385 0.003 0 0.0008 0				_						+		0.05
08/22/95 06:54:59 0.00993919 0.002 0.00572584 0.003 0 0.0007 0.00356514 0.001 0 0 08/22/95 06:59:58 0.00929098 0.002 0.00637404 0.003 0 0.0008 0.00399728 0.001 0 0 08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0007 0.00388853 0.001 0 0 08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 0 08/22/95 07:20:00 0.010645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0 0										+		0.05
08/22/95 06:59:58 0.00929098 0.002 0.00637404 0.003 0 0.0008 0.00399728 0.001 0 0 08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0007 0.0038853 0.001 0 0 08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 0 08/22/95 07:20:00 0.010645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0 0												0.052
08/22/95 07:04:58 0.00972133 0.002 0.00594081 0.003 0 0.0007 0.0038853 0.001 0 0 08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 0 08/22/95 07:20:00 0.0100645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0											+	0.05
08/22/95 07:09:59 0.00864612 0.002 0.00670074 0.003 0 0.0008 0.00356652 0.001 0 0 08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 0 08/22/95 07:20:00 0.0100645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0				-					•			0.052
08/22/95 07:14:59 0.0094116 0.002 0.00638258 0.003 0 0.0008 0.00378627 0.001 0 08/22/95 07:20:00 0.0100645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0										 		0.049
08/22/95 07:20:00 0.0100645 0.002 0.006385 0.003 0 0.0008 0.00367949 0.001 0						$\overline{}$						0.05
												0.05
			0.00941875							+	0	+
【\$\\`\$\\``\`\`\`\`\\ `\\\ \\\\\\\\\\\\\\\	08/22/95	07:29:59	0.00920577							+ -	0	

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	f Processir						-				
	ata in ppm										
Date	Time	CL3F	<u></u>	CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	opm_	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/22/95	07:35:00	0.00899428	0.002	0.00563497	0.003	0	0.0008	0.00357604	0.001	0	0.048
08/22/95	07:40:09	0.00791814	0.002	0.00412177	0.003	0	0.0007	0	0.001	0	0.049
08/22/95	07:45:01	0.00857548	0.002	0.00531897	0.003	0	0.0007	0.00358216	0.001	0	0.05
08/22/95	07:50:01	0.00847815	0.002	0.00489124	0.003	0	0.0007	0.00402168	0.001	0	0.05
			0.002		0.003	0	0.0007	0.0034815	0.001	0	0.05
	07:55:02	0.00794218		0.00543985							
	08:00:02	0.00795418	0.002	0.00501222	0.003	0	0.0007	0.00348676	0.001	0	0.049
08/22/95	08:05:02	0.00796318	0.002	0.00501789	0.003	0	0.0007_	0.00239986	0.001	0	0.05
08/22/95	08:10:02	0.00797518	0.002	0.0057902	0.003	0	0.0007	0.00284047	0.001	0	0.05
08/22/95	08:15:01	0.00787629	0.002	0.00579783	0.003	0	0.0007	0.003063	0.001	0	0.05
	08:20:01	0.00832323	0.002	0.00689952	0.003	0	0.0007	0.00273791	0.001	0	0.05
08/22/95	08:25:01	0.00887248	0.002	0.00701035	0.002	0	0.0007	0.00284796	0.001	0	0.05
	08:30:02	0.00832636	0.002	0.00734034	0.002	0	0.0007	0.00241026	0.001	0	0.05
08/22/95						0	0.0007	0.00241020	0.001	0	0.05
		0.00833104	0.002	0.00734447	0.002		_				
08/22/95	·	0.00878102	0.002	0.0073541	0.002	0	0.0007	0.00285383	0.001	0	0.051
	08:45:02	0.00867937	0.002	0.00769058	0.002	0	0.0007	0.0025269	0.001	0	0.05
08/22/95	08:50:02	0.01043721	0.002	0.00780044	0.002	0	0.0007	0.00230717	0.001	0	0.051
08/22/95	08:55:03	0.00955829	0.002	0.00659193	0.002	0	0.0007	0.0025269	0.001	0	0.051
08/22/95		0.0088991	0.002	0.00780044	0.002	0	0.0007	0.00219731	0.001	0	0.051
	09:05:03	0.01131614	0.002	0.00626233	0.002	0	0.0007	0.0025269	0.001	0	0.049
08/22/95									0.001	0	0.048
		0.01098654	0.002	0.00626233	0.002	0	0.0007	0.00230717			
	09:15:03	0.01010762	0.002	0.00845964	0.002	0	0.0007	0.00241704	0.001	0	0.048
08/22/95		0.00999775	0.002	0.00714125	0.002	0	0.0007	0.00241704	0.001	0	0.046
08/22/95	09:25:04	0.0088991	0.002	0.00834977	0.002	0	0.0007	0.00274664	0.001	0	0.047
08/22/95	21:17:30	0.0088991	0.002	0.00834977	0.002	0	0.0007	0.00274664	0.001	0	0.047
	21:19:19	0	0.002	Ö	0.002	0.00142825	0.0007	0.00823991	0.001	0	0.151
08/22/95		0	0.002	0	0.002	0.00153812	0.0007	0.00802018	0.001	0	0.123
08/22/95	+	0	0.002	0	0.002	0.00142825	0.0007	0.00791031	0.001	0	0.192
08/22/95	·	0	0.002	0	0.002	0.00120852	0.0007	0.00791031	0.001	0	0.17
Downwind	Data					·					
Run 7											
08/22/95	22:15:08	0	0.002	. 0	0.002	0.00176246	0.0007	0.0073803	0.001	0	0.153
08/22/95	22:20:09	0	0.002	0	0.003	0.00220266	0.0007	0.00748906	0.001	0	0.182
08/22/95	22:25:09	0	0.002	0	0.003	0.00187121	0.0007	0.00715464	0.001	0	0.182
	22:30:09	0	0.002	0	0.003	0.00197906	0.0007	0.00725656	0.001	0	0.142
08/22/95		0	0.002	0	0.003	0.00197758	0.0008	0.00725112	0.001	0	0.158
08/22/95				0		0.00137738					
		0	0.002		0.003		0.0008	0.00735547	0.001	0	0.142
08/22/95		0	0.002	0	0.003	0.00186561	0.0008	0.00713323	0.001	0	0.182
08/22/95		0	0.002	0	0.003	0.00186561	0.0008	0.00713323	0.001	0	0.203
08/22/95	22:55:09	0	0.002	0	0.003	0.00186387	0.0008	0.00712654	0.001	0	0.145
08/22/95	23:00:09	0	0.002	0	0.003	0.00208041	0.0008	0.00733617	0.001	0	0.168
08/22/95		0		0	0.003	0.00207962	0.0008	0.00722396	0.002	0	0.262
08/22/95		0		0	0.003	0.00186002	0.0008	0.00700242	0.001	0	0.374
08/22/95		0	0.002	0	0.003	0.00188884	0.0008	0.00711049	0.002	0	0.759
08/22/95		0		0	0.003	0.00164057	0.0009	0.00689041	0.002	0	0.8
08/22/95		0	0.002	0	0.003	0.00174961	0.0008	0.0066704	0.002	0	0.343
08/22/95	23:30:09	0	0.002	0	0.003	0.00251365	0.0008	0.00655735	0.002	0	0.906
08/22/95	23:35:09	0	0.002	0	0.003	0.00174863	8000.0	0.00666664	0.001	0	0.838
08/22/95		0		0	0.003	0.00174797	8000.0	0.00655488	0.001	0	0.884
08/22/95		0		0	0.003	0.00196757	0.0008	0.0067772	0.001	0	0.11
08/22/95		0		0	0.003	0.00133737	0.0008	0.00677337			0.075
							• 		0.001	0	-
08/22/95			0.002	0	0.003	0.00152803	0.0008	0.00643956	0.001	0	0.11
08/23/95		0		0	0.003	0.001745	0.0008	0.00665282	0.001	0	0.105
08/23/95	00:05:10	. 0	0.002	0	0.003	0.00174434	0.0008	0.00654129	0.002	0	0.177
08/23/95	00:10:10	0	0.002	0	0.003	0.00185267	0.0008	0.00653882	0.002	0	0.848
08/23/95		0	0.002	0	0.003	0.00152515	0.0008	0.00620953	0.002	0	0.114
08/23/95		0	0.002	0	0.003	0.00185162		0.00609944	0.002	0	0.08
											
08/23/95		0	0.002	0	0.003	0.00152457	0.0008	0.00598939	0.002	0	0.174
08/23/95		0	0.003	0	0.003	0.00163285	 -	0.00642255	0.002	0.4922504	0.355
08/23/95	00:35:08	0	0.003	0	0.003	0.00141487	0.0009	0.00620366	0.002	0	0.777
08/23/95	00:40:08	0	0.002	0	0.003	0.00141407	0.0009	0.00609137	0.002	0	0.846
08/23/95	00:45:09	0	0.002	0	0.003	0.00130529	0.0008	0.0055475	0.002	0	0.869
08/23/95		0	0.002	0	0.003	0.00163069	0.0008	0.00587048	0.002	0	0.874
OUI EDI GO	100.00.10	0	0.002		0.000	2.00.00003	_ 0.0000	0.00007040	0,002		0.074

Cito: Boo	f Processir	- ·	I							_	
	ata in ppm										
Date	Time	CL3F	 	CCL4		TCFM		CL2F2		HCC	
Date	, illine	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	00:55:09	0	0.002	0	0.003	0.00141166	0.0008	0.00575523	0.002	0	0.145
08/23/95		0	0.002	0	0.003	0.00130282	0.0008	0.00542843	0.002	0	0.221
	01:05:09	Ö	0.002		0.003	0.0015214	0.0008	0.00565092	0.002	0	0.335
		0	0.002	0	0.003	0.0013214	0.0008	0.0055454	0.002	0	0.914
	01:10:09	0	0.002	0	0.003	0.001/33/3	0.0008	0.00554435	0.002	0	0.226
	01:15:10	0	0.002	. 0	0.003	0.00141326	0.0008	0.00543152	0.002	0	0.204
	01:20:10	0	0.002	0	0.003	0.00130336	0.0008	0.00510466	0.002	0	0.204
	01:25:10	- 0							0.001	0	
08/23/95			0.002		0.003	0.00130381	0.0008	0.00543255		0	0.846
1	01:35:09	0	0.002	0	0.003	0.00119607	0.0008	0.00511046	0.001		0.877
08/23/95		0	0.002	0	0.003	0.00152255	0.0008	0.00522019	0.001	0	0.899
	01:45:11	0	0.002	0	0.003	0.00130505	0.0008	0.00511143	0.001		
08/23/95	$\overline{}$	0	0.002	0	0.003	0.00141353	0.0008	0.00467553	0.002	0	0.865
	01:55:10	0	0.003	0	0.003	0.00130455	0.0009	0.00543563	0.002	0	0.331
	02:00:11	0	0.002	0	0.003	0.00108651	0.0008	0.00488929	0.002	0	0.283
08/23/95		0	0.002	0	0.003	0.00119493	0.0008	0.00510563	0.002	0	0.332
08/23/95		0	0.003	0	0.003	0	0.001	0.0052103	0.002	0.3409492	0.301
	02:15:10	0	0.003	0	0.004	0.00108507	0.001	0.00542534	0.002	0.3573129	0.301
08/23/95		0	0.003	0	0.003	0.00108466	0.0009	0.00520635	0.002	0	0.793
	02:25:11	0	0.003	0	0.003	0	0.001	0.00499131	0.002	0	0.811
08/23/95		0	0.003	0	0.004	0.00119312	0.0011	0.00553175	0.002	0	0.786
08/23/95		0	0.003	<u> </u>	0.004	0	0.001	0.00509982	0.002	0.3769527	0.315
08/23/95		0	0.003	0	0.004	0.00119448	0.0011	0.00542946	0.002	0.4915831	0.361
08/23/95		0	0.003		0.004	0	0.0011	0.00531986	0.002	0	0.716
	02:50:11	0	0.003	0	0.004	0	0.0011	0.00520336	0.002	0.5648899	0.398
08/23/95		0	0.003	0	0.004	0.00119221	0.0011	0.00531076	0.002	0.4970433	0.361
	03:00:11	0	0.003	0	0.003	0	0.001	0.00477337	0.002	0.4271083	0.327
	03:05:12	0	0.003	0	0.004	0	0.0011	0.00520336	0.002	0.4998479	0.36
	03:10:12	0	0.003	0	0.003	0	0.001	0.00466223	0.002	0.4231787	0.338
08/23/95		0	0.003	0	0.004	0	0.0011	0.00509205	0.002	0.4698774	0.349
	03:20:11		0.003	0	0.004	0	0.0011	0.00422452	0.002	0	0.716
1	03:25:11	0	0.003	0	0.004	0	0.0011	0.00411385	0.002	0	0.733
	03:30:12	0	0.003	0	0.004	0	0.0011	0.00454343	0.002	0	0.773
	03:35:12	0	0.003	0	0.003	0.00118836	0.0009	0.00453737	0.002	0	0.853
08/23/95		0	0.003	0	0.003	0	0.0009	0.00421568	0.002	0	0.521
08/23/95		0	0.003	0	0.003	. 0	0.0009	0.00410524	0.002	_ 0	0.841
08/23/95		0	0.003	0	0.004	0	0.0011	0.00442681	0.002	0	0.801
08/23/95	03:55:11	0	0.003	0	0.004	0	0.0011	0.00431883	0.002	0	0.723
08/23/95		0	0.003	0	0.004		0.0012	0.00454083	0.002	0.5175466	0.406
08/23/95	04:05:12	0	0.003	0	0.004	0	0.0011	0.00368149	0.002	0	0.892
08/23/95		0	0.003	0	0.004	0	0.0011	0.00422369	0.002	0.4977459	0.372
08/23/95		0	0.003	0	0.004	0	0.0011	0.00454862	0.002	0	0.686
08/23/95		0	0.003	0	0.004	0	0.0011	0.00412168	0.002	0	0.723
08/23/95		0	0.003	0	0.004	0	0.001	0.00412246		0	
08/23/95		0	0.003	0	0.004	0	0.0011	0.00455294	0.002	0	0.873
08/23/95	04:35:13	0	0.003	0	0.004		0.0011	0.00411698		0	+
08/23/95		0	0.003	0	0.004	0	0.0011	0.00422691	0.002	0.5533996	0.418
08/23/95	04:45:12	0	0.003	0	0.004	0	0.0011	0.00314069	0.002	0	+
08/23/95		0	0.003	0	0.004	0	0.0011	0.00379266	0.002	0.5079993	
08/23/95		0	0.003	0	0.004	0	0.0011	0.00411852	0.002	0	
08/23/95		0	0.003	0	0.003	0	0.001	0.0036878	0.002	0	
08/23/95		0	0.003	0	0.004	0	0.001	0.00400786	0.002	0	+
08/23/95		. 0	0.003	0	0.004	0	0.0011	0.00335602	0.002	0	
08/23/95		0	0.003	0	0.004	0	0.001	0.00368079	0.002	0	+
08/23/95		0	0.003	0	0.003	0	0.001	0.00314069		0	·
08/23/95		0	0.003	- 0	0.003	0	0.001	0.00379338	0.002	0	
08/23/95		0	0.003		0.003	0	0.001	0.00373338	0.002	- 0	
08/23/95			0.003		0.003	0	0.001	0.00314466		0	
08/23/95			0.002	0	0.003	0		0.0030843	0.002	0	-+
08/23/95		0	0.002	0	0.003	0	0.0008	0.00313631	0.002	0	
08/23/95		0	0.002	0	0.003			0.00302778	·	0	
08/23/95		0	0.003		0.003	0	0.001		+	0	
08/23/95		0		0		0		0.00324961	0.002	·	
20120133	00.00.14	<u> </u>	0.003	0_	0.003	0	0.001	0.00335857	0.002	0	0.764

Site: Bee	f Processir						1				
	ata in ppm			-							
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	06:05:13	0	0.003	0	0.003	ō	0.0009	0.00314488	0.002	0	0.782
08/23/95	06:10:13	0	0.003	0	0.003	Ö	0.0009	0.0033624	0.002	0	0.743
08/23/95	06:15:13	Ö	0.003	0	0.003	0	0.001	0.0032527	0.002	0	0.759
08/23/95		0	0.002	0	0.003	0	0.0008	0.0025987	0.002	0	0.187
	06:25:14	0	0.002	0	0.003	0	0.0008	0.0028083	0.002	0	0.071
	06:30:14	0	0.002	0	0.003	0	0.0008	0.00258931	0.002	0	0.264
-	06:35:14	0	0.002	0	0.003	0	0.0008	0.00204948	0.002	0	0.867
	06:40:14	0	0.003	0	0.003	0	0.0009	0.00258931	0.002	0	0.836
	06:45:13	0	0.002	0	0.003	0	0.0009	0.00237489	0.002	0	0.821
	06:50:15	0	0.003	0	0.003	0	0.001	0.00291964	0.002	0	0.744
08/23/95		0	0.003	0	0.003	0	0.001	0.00292521	0.002	0	0.752
08/23/95		0	0.003	0	0.003	0	0.0009	0.00260216	0.002	0	0.792
08/23/95		0	0.003	0	0.003	0	0.0009	0.00270905	0.002	0	0.835
	07:03:15	0	0.003	0	0.003	0	0.0009	0.00248901	0.002		0.82
	07:15:15	0	0.003	0	0.003	0	0.0003	0.00240301	0.002	0	0.78
08/23/95		Ö	0.003	0	0.003	- 0	0.001	0.00201133	0.002	0	0.772
08/23/95		0	0.003	0 0	0.003	0	0.0009	0.00302722	0.002	0	0.765
08/23/95		0	0.003	0	0.003	0	0.0009	0.00270442	0.002	0	0.799
	07:35:16	0	0.003	0	0.003	0	0.0009	0.00270341	0.002	0	0.758
	07:40:16	0	0.003	0	0.003	0	0.001	0.00281313	0.002	0	0.756
-	07.40.10		0.003	0	0.003		0.001	0.00201422	0.002		0.705
Run 8 08/23/95	00:54:40	0	0.004	0	0.005	0.00562202	0.0014	0.00992121	0.003	0	0.163
08/23/95	-	0	0.004	0	0.005	0.00362202	0.0014	0.00992121	0.003	0	0.186
08/23/95		0	0.004	0	0.005		0.0015	0.00971521	0.003	0	0.196
08/23/95			0.004		0.005	0.00651361	0.0015	0.00971321	0.003	0	0.196
08/23/95		0	0.004	0	0.005	0.0056346		0.00972245	0.003	0	0.177
08/23/95		0	0.004				0.0014		-	0	
	10:19:49	0	0.004	0	0.004	0.00508312	0.0013	0.00972424	0.002	- 0	0.141
	10:24:56	0	0.003	. 0	0.004	0.00453061	0.0012	0.00961373	0.002		0.117 0.124
08/23/95	10:29:49	0	0.003	. 0	0.004	0.00475338	0.0012		·	0	0.124
Run 9	10.34.46		0.003		0.004	0.00464888	0.0012	0.00974052	0.002		0.124
	10:44:51	0	0.004	0	0.004	0.00487116	0.0012	0.00985303	0.002	0	0.171
	10:49:51	0	0.004	0	0.004	0.00531794	0.0012	0.00974956	0.002	00	0.171
	10:54:50		0.004	0	0.005	0.00554055	0.0013	0.00974938	0.002	0	0.174
	10:59:50	0	0.004	0	0.005	0.00554569	0.0013	0.00953859	0.003		0.174
08/23/95			0.004	0	0.005	0.00565765	0.0013	0.00954036	0.003	0	0.16
	11:09:50	0	0.004	0	0.003	0.00510393	0.0013	0.00920926	0.003	0	0.166
08/23/95		0	0.004	0	0.004	0.00543881	0.0013	0.00965666	0.002	0	0.15
08/23/95		0	0.003	0	0.004	0.00343001	0.0013	0.00954393	0.002	0	0.108
08/23/95		0	0.003	0	0.004	0.00544283	0.0012	0.00966381	0.002	0	0.18
08/23/95		0	0.004	0	0.004	0.00567026	0.0013	0.0096728	0.002	0	0.147
08/23/95			0.004	0	0.005	0.00557020		0.00933921	0.002	0	
Run 10	11.04.04	0	0.004		0.003	0.00033366	0.0014	0.00333321	0.003	<u> </u>	0.118
08/23/95	11:44:50	0.01079857	0.002	0.00912869	0.002	0	0.0007	0.0061229	0.001	0	0.141
08/23/95		0.01079837	0.002	0.00912889	0.002	<u> </u>	0.0007	0.00691111	0.001	0	0.141
08/23/95		0.01003225	0.002	0.00434731	0.002	00	0.0007	0.00691111	0.001	0	0.129
08/23/95		0.00343797	0.002	0			0.0007	0.00746294	•		0.162
08/23/95		0.00423271	0.002	0	0.002	0			0.001	0	·
08/23/95					0.002		0.0007	0.0073597	0.001	- 0	0.125
08/23/95		0.00412741	0.002	0	0.002	0	0.0007	0.00725086	0.001	0	0.104
			0.002	0	0.002	0	0.0007	0.0073597	0.001	0	0.123
08/23/95		0.00612743	0.002	0	0.002	0	0.0007	0.00746432	0.001	0	0.087
08/23/95		0.00334655	0.002	0	0.002	0	0.0007	0.00792017	0.001	0	0.141
08/23/95		0.00312863	0.002	0	0.002	0	0.0007	0.00782157	0.001	0	0.139
08/23/95		0.00603156	0.002	0	0.003	0	0.0007	0.00815378	0.001	0	0.165
08/23/95	-+	0.00246092	0.002	0	0.002	0	0.0007	0.00783021	0.001	0	0.162
08/23/95	+	0.00235079	0.002	0	0.002	0	0.0007	0.00794791	0.001	0	0.172
08/23/95		0	0.002	0	0.002	0	0.0007	0.00771977	0.001	0	0.141
08/23/95		0.00235252	0.002	0	0.002	0	0.0007	0.00806578	0.001	0	0.143
08/23/95		0	0.002	0	0.002	0	0.0007	0.00739091	0.001	0	0.119
08/23/95		0.00235209	0.002	0	0.002	0	0.0007	0.00784029	0.001	0	0.175
08/23/95		. 0	0.002	0	0.002	0	 	0.00783597	0.001	0	
08/23/95	13:14:52	0	0.002	0	0.002	0	0.0007	0.00773254	0.001	0	0.126

Site: Beef	f Processir										
Upwind Da	ata in ppm										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/23/95	13:19:53	0	0.002	_ 0	0.002	0	0.0007	0.00774679	0.001	_ 0	0.158
08/23/95	13:24:51	0.00247135	0.002	0	0.003	0	0.0007	0.00775105	0.001	0	0.165
08/23/95	13:29:52	0.00370295	0.002	0	0.003	0	0.0007	0.00774253	0.001	0	0.147
	13:34:52	0.00280321	0.002	0	0.002	0	0.0007	0.00773686	0.001	0	0.114
	13:39:52	0	0.002	0	0.002	0	0.0007	0.00763172	0.001	0	0.096
	13:44:51	0.00291694	0.002	0	0.002	0	0.0007	0.00751673	0.001	0	0.097
	13:49:52	0.00426244	0.002	0	0.002	0	0.0007	0.0077397	0.001	0	0.119
	13:54:52	0	0.002	0	0.002	0	0.0007	0.00764431	0.001	0	0.091
	13:59:52	0	0.002	0	0.002	o	0.0007	0.00752776	0.001	0	0.132
	14:04:52	0.0042742	0.002	0	0.002	0	0.0007	0.00764858	0.001	0	0.176
08/23/95		0	0.002	0	0.002	0	0.0007	0.00797286	0.001	0	0.144
}	14:14:53	0	0.002	0	0.002	0.00089884	0.0007	0.00797725	0.001	0	0.117
	14:19:53	0	0.002	0	0.002	0	0.0007	0.00754161	0.001	0	0.103
1—	14:24:54	0	0.002	0	0.002	0	0.0007	0.00776816	0.001	0	0.117
08/23/95		0	0.002	0	0.002	0.00168564	0.0007	0.00820346	0.001	o	0.063
	14:34:56	0	0.002	0	0.003	0.00168749	0.0007	0.00854997	0.001	0	0.14
	14:39:53	0	0.002	- 0	0.003	0.00180001	0.0007	0.00832505	0.001	0	0.161
	14:44:52	0	0.002	0	0.003	0.00180133	0.0007	0.00844372	0.001	0	0.132
08/23/95		0	0.002	0	0.003	0.00135371	0.0007	0.00778385	0.001	0	0.152
08/23/95		0	0.002	0	0.002	0.00180001	0.0007	0.00753754	0.001	0	0.086
08/23/95	14:59:54	0	0.002	0	0.003	0.00191496	0.0007	0.00811042	0.001	0	0.113
	15:04:54	0	0.002	- 0	0.002	0.00157674	0.0007	0.00765844	0.001	- 0	0.162
	15:09:54	0	0.002	0	0.002	0.00137074	0.0007	0.00799639	0.001	0	0.13
	15:14:55	0	0.002	0	0.003	0.00180464	0.0007	0.00778251	0.001	0	0.144
-	15:19:55	0	0.002	0	0.002	0.00192023	0.0007	0.0082457	0.001	0	0.101
	15:24:55	0	0.002	0	0.003	0.00215044	0.0007	0.00826223	0.001	0	0.093
	15:29:58	0	0.002	0	0.003	0.00215438	0.0007	0.00827737	0.001	0	0.059
	15:34:56	0	0.002	0	0.003	0.00215458	0.0008	0.00838618	0.002	- 0	0.12
	15:39:56		0.002	0	0.003	0.00220054	0.0008	0.00836026	0.002	0	0.13
	15:44:57		0.002	- 0	0.003	0.00203395	0.0007	0.0033020	0.002	0	0.124
08/23/95		0	0.002	0	0.003	0.00203393	0.0008	0.0079098	0.002	0	0.093
	15:54:57	0	0.002	0	0.003	0.00270340	0.0008	0.0087994	0.002	0	0.063
	15:59:58		0.002	0	0.003	0.00293313	0.0008	0.00814478	0.002	0	0.003
	16:05:04	0	0.002	0	0.003	0.00294117	0.0007	0.00747013	0.002	0	0.152
Run 11	10.03.04		0.002		0.003	0.00220300	0.0007	0.00747013	0.001	<u>_</u>	0.152
08/23/95	10:50:50		0.000		0.000	0.00015170	0.0007	0.00792738	0.001	0	0.122
	17:04:50	0	0.002	0	0.003	0.00215172	0.0007		0.001	- 0	0.133
08/23/95		- 0	0.002	0	0.003		0.0008	0.00803477	0.002	0	0.045
		0	0.002	. 0	0.003	0.00316864	0.0009	0.00837426	0.002		
	17:14:51	0	0.002		0.003	0.00294338	0.0008	0.00826411	0.002	0	0.089
	17:19:51	0	0.002		0.003	0.00316864	0.0008	0.00848743	0.002	0	0.063
08/23/95		0	0.003	0	0.003	0.00328184	0.0009	0.00882702	0.002	0	0.119
08/23/95		0	0.003	0	0.003	0.00361738		0.00859128		0	
08/23/95		0	0.003	0	0.003	0.00373655		0.00883185		0	+
08/23/95		0	0.003		0.003	0.00327945		0.00859442		0	+
08/23/95		0	0.003	0	0.003	0.00350882		0.00871545		0	0.161
08/23/95		0	0.003	0_	0.003	0.00384698		0.00882542		0	0.178
08/23/95		0	0.003	0	0.003	0.00396012		0.00848598		0	0.104
08/23/95		0	0.003	00	0.003	0.0033913		0.00893041	+	0	0.058
08/23/95		0	0.003		0.003	0.00384417	·	0.00915817	 -	0	0.137
08/23/95		0	0.003	0	0.003	0.00407629	0.001	0.00871872		0	0.207
08/23/95		0	0.003	00	0.003	0.00350822		0.00894029	+	0	
08/23/95		0	0.003	00	0.003	0.00350114		0.0090352		0	+-
08/23/95		0	0.003	0_	0.003	0.00372706		0.00914824		0	0.143
08/23/95		0	0.003	0	0.003	0.00372502	0.001	0.00948186	+	0	0.198
08/23/95	18:34:53	0	0.003	0	0.003	0.00383649	0.001	0.00959123	0.002	0	
08/23/95		0	0.003	0	0.003	0.00372297		0.00947666	0.002	0	0.186
	18:44:54	0	0.002	0	0.003	0.00293328	0.0008	0.00846139	0.002	0	0.149
Run 12											<u> </u>
08/23/95		0	0.004	0	0.004	0.0050648	0.0012	0.00967939	0.002	0	0.097
	40.00 50	0	0.004	0	0.004	0.00584943				0	0.121
08/23/95			0.00								
08/23/95 08/23/95 08/23/95	19:34:52	0	0.004	0	0.004	0.00528505		0.00978296	0.002	0	0.146

Site: Bee	1 Processir		<u> </u>		·						
	ata in ppm		<u> </u>								
Date	Time	CL3F		CCL4		TCFM	<u>.</u> .	CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm_	95% CI	ppm	95% CI
08/23/95	19:44:52	0	0.004	0	0.004	0.00527631	0.0013	0.00987905	0.002	0	0.09
08/23/95	19:49:52	0	0.004	0	0.004	0.00560896	0.0013	0.0097596	0.002	0	0.092
08/23/95	19:54:51	0	0.004	0	0.004	0.00526854	0.0012	0.0098645	0.002	0	0.096
08/23/95	19:59:52	0	0.004	0	0.004	0.00549071	0.0013	0.01008498	0.002	0	0.077
08/23/95		0	0.004	0	0.004	0.00537469	0.0013	0.00996557	0.002	0	0.117
08/23/95		0	0.004	0	0.004	0.00514694	0.0012	0.00984633	0.002	0	0.119
08/23/95	20:14:52	0	0.004	0	0.004	0.00514219	0.0012	0.00972545	0.002	0	0.11
08/23/95		0	0.004	0	0.004	0.00502669	0.0012	0.00938315	0.002	0	0.099
08/23/95		0	0.004	0	0.004	0.00513554	0.0012	0.00960123	0.002	0	0.095
08/23/95		0	0.004	0	0.004	0.00513079	0.0012	0.00959235	0.002	0	0.116
08/23/95		0	0.004	0	0.004	0.00512892	0.0012	0.00970035	0.002	0	0.113
08/23/95		0	0.004	0	0.004	0.00512512	0.0012	0.00958174	0.002	. 0	0.086
08/23/95		0	0.004	0	0.004	0.00523168	0.0013	0.00957285	0.002	0	0.087
08/23/95		0	0.004	0	0.004	0.00511559	0.0013	0.00945271	0.002	0	0.094
08/23/95		0	0.004	0	0.004	0.00522291	0.0013	0.00955682	0.002	0	0.114
08/23/95		0	0.004	0	0.004	0.00510989	0.0013	0.00944218	0.002	0	0.17
08/23/95		0	0.004	<u>o</u>	0.004	0.00521806	0.0013	0.00943691	0.002	0	0.111
08/23/95		0	0.004	0	0.004	0.00510513	0.0013	0.00932242	0.002	0	0.105
08/23/95		0	0.004	0	0.004	0.00510228	0.0013	0.00942813	0.002	0	0.114
08/23/95		0	0.004	0	0.004	0.00487863	0.0013	0.00931374	0.002	0	0.124
08/23/95		0	0.004		0.004	0.00487681	0.0012	0.00931027	0.002	0	0.133
08/23/95		0	0.004	0	0.004	0.00498765	0.0012	0.00919944	0.002	. 0	0.123
08/23/95		. 0	0.004	0	0.004	0.00498486	0.0013	0.00919429	0.002	0	0.127
08/23/95		0_	0.004	0	0.004	0.00498114	0.0013	0.00918744	0.002	0_	0.144
08/23/95		0_	0.004	0	0.004	0.00497927	0.0013	0.00918398	0.002	0	0.138
08/23/95		. 0	0.004	0	0.004	0.00497555	0.0013	0.00917712	0.002	0	0.128
08/23/95		0	0.004	0	0.004	0.00508327	0.0013	0.00917198	0.002	0	0.186
08/23/95		0	0.004	0	0.004	0.00507947	0.0013	0.00916513	0.002	0	0.16
08/23/95		0	0.004	0	0.004	0.00529536	0.0013	0.00926688	0.002	0	0.117
08/23/95		0	0.004	0	0.004	0.00507187	0.0013	0.00915142	0.002	0	0.118
08/23/95	$\overline{}$	0	0.004	0	0.004	0.00518019	0.0013	0.00914799	0.002	0	0.144
	22:19:51	0	0.004	0	0.004	0.00506427	0.0013	0.00891751	0.002	0	0.182
08/23/95		0	0.004	0	0.004	0.00506332	0.0013	0.00891584	0.002	0	0.223
08/23/95		0	0.004	0	0.004	0.00506047	0.0013	0.00891082	0.002	0	0.211
08/23/95		0	0.004	0	0.004	0.00505952	0.0013	0.00890915	0.002	0	0.183
08/23/95		0	0.004	.0	0.004	0.00505572	0.0013	0.00868265	0.002	0	0.187
	22:44:52	0	0.004	0	0.004	0.00516563	0.0013	0.00890246	0.002	0	
08/23/95 08/23/95		0	0.004	- 0	0.004	0.00494396	0.0013	0.00867939	0.002	0	0.245
		0	0.004	0	0.004	0.00494396	0.0013	0.00867939	0.002	0	0.222
08/23/95	22:59:51	0	0.004	- 0	0.004	0.00494303	0.0013	0.00867776	0.002	. 0	
		0	0.004		0.004		0.0013	0.00834979	0.002	0	0.244
08/23/95		0	0.004	0	0.004	0.00505382		0.00889912		0	0.296
08/23/95 08/23/95		0	0.004	0	0.004	0.00483137		0.00856469		0	
08/23/95		0	0.003	0	0.004	0.00428154	0.0012	0.0084533	0.002	0 2201097	
		.0	0.004	0	0.005	0.00438802				0.3301987	
08/23/95 08/23/95		0	0.004	0	0.004	0.00460396 0.00448926		0.00800211	+	0	
08/23/95		0		0	0.004		0.0013		0.002	0	+
		0	0.004		0.004	0.00404976		0.00799006	0.002	0 353695	-
08/23/95		0	0.004	0	0.005	0.00415842	0.0013	0.00864515	0.003	0.353685	0.296
08/23/95 08/23/95		0	0.004	0	0.005	0.00437564		0.00809493	0.003	0.473991	0.37
08/23/95		0	0.004	0	0.004	0.00436821	0.0013	0.00829959	0.002	0	
		0			0.004			0.00817026	0.002	0	
08/24/95			0.003	0	0.004	0.00413568			0.002	0	
08/24/95		0	0.003	0	0.004	0.0041388	, _	0.00795086	0.002	0 2207212	
08/24/95		- 0	0.004	0	0.004	0.00392171	0.0013	0.0080613	0.002	0.3307313	+
08/24/95		0	0.004	0	0.005	0.00414037	0.0014			0.3861442	
08/24/95		0	0.004	0	0.005	0.00403447	0.0014			0.3492544	·
08/24/95		0	0.004	0	0.005	0.00402989	0.0013	0.00816869	0.002	0	
08/24/95		0	0.004	0	0.005	0.0040276		0.00816404		0 0000505	+
08/24/95		0		0	0.005	0.00391652	 -	0.00815943	 -	0.3062505	
08/24/95	$\overline{}$	0		0	0.005	0.003918		0.00827133		0.366224	
08/24/95	00:49:54	0 :	0.004	0	0.005	0.0040276	0.0015	0.0082729	0.003	0.4510907	0,378

	Site: Bee	f Processir										
Date Time						-						
Discription			CL3F		CCL4		TCFM				HCC	
GRZ-495 0.1945 0.0004			ppm	95% CI	ppm	95% CI	ррт	95% CI		95% CI	ppm	95% CI
	08/24/95	00:54:54		0.004	0					0.003	0.3915368	
Description	08/24/95	00:59:54		0.004	0							
DRIZYURS 0.114.55	08/24/95	01:04:55										
Display Disp												
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6922495 02-04-56 0 0.003 0 0.004 0.00367997 0.0011 0.00703524 0.002 0 0.234 6922495 02:14:56 0 0.004 0 0.004 0.0035731 0.0011 0.00622955 0.002 0 0.234 6922495 02:14:56 0 0.004 0 0.004 0.0035731 0.0011 0.00622955 0.002 0 0.288 6922495 02:19:56 0 0.004 0 0.004 0.00357719 0.0012 0.00715438 0.002 0 0.288 6922495 02:29:57 0 0.004 0 0.005 0.0035753 0.0011 0.00779783 0.003 0.3881735 0.335 6922495 02:29:57 0 0.004 0 0.005 0.0035753 0.0011 0.0077473 0.003 0.3485765 0.375 6922495 02:29:57 0 0.004 0 0.005 0.00377077 0.0014 0.00672462 0.003 0 0.774 6922495 02:39:56 0 0.004 0 0.005 0.00374717 0.0015 0.0074958 0.003 0 0.774 6922495 02:39:56 0 0.004 0 0.005 0.00368559 0.0015 0.0074958 0.003 0 0.774 6922495 02:39:56 0 0.004 0 0.005 0.0036859 0.0016 0.0074958 0.003 0 0.778 6922495 02:39:56 0 0.004 0 0.005 0.00368527 0.0016 0.00714344 0.003 0.078252 0.329 6922495 02:39:57 0 0.004 0 0.005 0.00368627 0.0014 0.00712353 0.003 0.2916772 0.264 6922495 02:39:57 0 0.004 0 0.005 0.0036862 0.0014 0.00712353 0.003 0.2916772 0.264 6922495 03:09:56 0 0.003 0 0.004 0.00358621 0.0014 0.00712353 0.003 0.2916772 0.264 6922495 03:09:56 0 0.003 0 0.004 0.00358621 0.0014 0.00712353 0.002 0 0.264 6922495 03:09:56 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002 0 0.264 6922495 03:09:56 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002 0 0.264 6922495 03:39:56 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002 0 0.264 6922495 03:39:57 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002 0 0.264 6922495 03:49:57 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002 0 0.264 6922495 03:49:57 0 0.003 0 0.004 0.00358625 0.0012 0.0689052 0.002												
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Big24495 06:15:01		06:10:01	•	0.004	0	$\overline{}$	0.00280602	0.0013	0.00604375	0.002	0.3629485	0.309
08/24/95 08-20-01				0.004	0		0.00280602	0.0013	0.00604375	0.002	0	0.735
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00/24/95 10:05:06								-				0.168
08/24/95 10:10:05												0.161
08/24/95 10:25:05 0 0.003 0 0.004 0.00443919 0.0011 0.01009917 0.002 0 0.162 08/24/95 10:20:04 0 0.003 0 0.004 0.00454933 0.0011 0.00965345 0.002 0 0.154 0.008/24/95 10:25:04 0 0.003 0 0.004 0.00433143 0.0011 0.00955137 0.002 0 0.164 0.08/24/95 10:30:04 0 0.003 0 0.004 0.00422194 0.0011 0.00955137 0.002 0 0.165 0.008/24/95 10:35:05 0 0.003 0 0.004 0.00422194 0.0011 0.00955491 0.002 0 0.165 0.008/24/95 10:40:05 0 0.003 0 0.004 0.0044662 0.0011 0.00944907 0.002 0 0.212 0.008/24/95 10:40:05 0 0.003 0 0.004 0.00422508 0.0011 0.00942845 0.002 0 0.19 0.008/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 0.008/24/95 10:50:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.19 0.008/24/95 10:50:04 0 0.003 0 0.004 0.0045686 0.0011 0.01024432 0.002 0 0.19 0.08/24/95 10:50:04 0 0.003 0 0.004 0.0045686 0.0012 0.01023862 0.002 0 0.21 0.08/24/95 11:05:06 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 0.08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.18 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.18 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 0.008/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15										+		0.187
08/24/95 10:20:04 0 0.003 0 0.004 0.00454933 0.0011 0.00965345 0.002 0 0.154 08/24/95 10:25:04 0 0.003 0 0.004 0.00433143 0.0011 0.00955137 0.002 0 0.164 08/24/95 10:30:04 0 0.003 0 0.004 0.00422194 0.0011 0.00955491 0.002 0 0.165 08/24/95 10:35:05 0 0.003 0 0.004 0.0044662 0.0011 0.00944907 0.002 0 0.212 08/24/95 10:40:05 0 0.003 0 0.004 0.00422508 0.0011 0.00942907 0.002 0 0.19 08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.19 08/24/95 10:50:04 0 0.003 0 0.004 0.00456286 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:05:06 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151					0							0.167
08/24/95 10:25:04 0 0.003 0 0.004 0.00433143 0.0011 0.00955137 0.002 0 0.164 08/24/95 10:30:04 0 0.003 0 0.004 0.00422194 0.0011 0.00955491 0.002 0 0.165 08/24/95 10:35:05 0 0.003 0 0.004 0.00444662 0.0011 0.00944907 0.002 0 0.212 08/24/95 10:40:05 0 0.003 0 0.004 0.00442508 0.0011 0.00942845 0.002 0 0.19 08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00456286 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.0103484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.0102347 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.15 08/24/95 11:05:06					0							0.162
08/24/95 10:30:04 0 0.003 0 0.004 0.00422194 0.0011 0.00955491 0.002 0 0.165 08/24/95 10:35:05 0 0.003 0 0.004 0.00444662 0.0011 0.00944907 0.002 0 0.212 08/24/95 10:40:05 0 0.003 0 0.004 0.00422508 0.0011 0.00922845 0.002 0 0.19 08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.0102347 0.002	08/24/95	10:20:04	0	0.003	0	0.004					0	0.154
08/24/95 10:35:05 0 0.003 0 0.004 0.00444662 0.0011 0.00944907 0.002 0 0.212 08/24/95 10:40:05 0 0.003 0 0.004 0.00422508 0.0011 0.0092845 0.002 0 0.19 08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002	08/24/95	10:25:04	0	0.003	0						0	
08/24/95 10:40:05 0 0.003 0 0.004 0.00422508 0.0011 0.0092845 0.002 0 0.19 08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.0103484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151			0		0					0.002	0	0.165
08/24/95 10:45:04 0 0.003 0 0.004 0.00400642 0.0011 0.0094596 0.002 0 0.179 08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151	08/24/95	10:35:05	0	0.003	0	0.004	0.00444662	0.0011	0.00944907	0.002	0	0.212
08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 0.08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 0.08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151	08/24/95	10:40:05	0	0.003	0	0.004			0.00922845	0.002	0	
08/24/95 10:50:04 0 0.003 0 0.004 0.00345189 0.0011 0.01024432 0.002 0 0.19 08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 0.08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 0.08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151	08/24/95	10:45:04	0	0.003	0	0.004	0.00400642	0.0011	0.0094596	0.002	0	0.179
08/24/95 10:55:04 0 0.003 0 0.004 0.00456286 0.0012 0.01023862 0.002 0 0.21 08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151			0	0.003	0	0.004	0.00345189	0.0011	0.01024432	0.002	0	
08/24/95 11:00:05 0 0.003 0 0.004 0.00478899 0.0011 0.01013484 0.002 0 0.18 08/24/95 11:05:06 0 0.003 0 0.004 0.00456625 0.0011 0.01002347 0.002 0 0.151												0.21
08/24/95 11:05:06										+	0	
									 _			+
			0	0.003	ō	0.004		 -	0.01003276	0.002		0.176

Site: Bee	Processir										
Upwind Da	ata in ppm										ļ
Date	Time	CL3F	<u> </u>	CCL4		TCFM		CL2F2		HCC_	2 - 2 - 2
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C1	ppm	95% CI
08/24/95	11:15:05		0.003	0	0.004	0.0042384	0.0011	0.01003833	0.002	0	0.18
08/24/95		0	0.003	0	0.004	0.00412458	0.0011	0.00980981	0.002	0	0.145
08/24/95		0	0.003	0	0.004	0.00424154	0.0011	0.00993413	0.002	0	0.145
08/24/95		0	0.003	0_	0.004	0.00413374	0.0011	0.01005504	0.002	0	0.12
08/24/95		0	0.003	0	0.004	0.00413221	0.0011	0.01005133	0.002	0	0.104
08/24/95	11:40:07	0	0.003	0	0.004	0.00413832	0.0011	0.01006618	0.002	0	0.109
08/24/95		0	0.003	0	0.004	0.00413756 0.00447386	0.0011	0.01006432	0.002	0	0.128
1	11:50:07	0	0.003	0	0.004	0.00447388	0.0011	0.01040172	0.002	0	0.135
08/24/95	11:55:09		0.003	0	0.004	0.00436262	0.0011	0.01029177	0.002	- 0	0.124
08/24/95	12:00:08		0.003	<u>_</u>	0.004	0.00481208	0.0012	0.01040748	0.002		0.203
Run 13 08/24/95	18:39:54	0	0.003	0	0.004	0.0045463	0.0011	0.01000186	0.002	0	0.204
	18:44:54	0	0.003	0	0.004	0.00465911	0.0011	0.01011367	0.002	0.2357962	0.204
08/24/95	 +	0	0.003	0	0.004	0.00453511	0.0011	0.01000003	0.002	0.28841	0.224
	18:54:56	0	0.003	0	0.004	0.00431741	0.0011	0.01011183	0.002	0.252682	0.211
08/24/95	18:59:54	0	0.003	0	0.004	0.00454387	0.0011	0.01011011	0.002	0.278312	0.219
08/24/95		0	0.003	0	0.004	0.00454307	0.0011	0.0102293	0.002	0.2867614	0.232
08/24/95	, _ ,	0	0.003	0	0.004	0.00477106	0.0011	0.01022371	0.002	0.2873997	0.232
08/24/95	· · · · · · · · · · · · · · · · · · ·	0	0.003	0	0.004	0.00510999	0.0012	0.00987931	0.002	0.2565214	0.221
	19:19:54	0	0.004	0	0.004	0.00510905	0.0012	0.00999104	0.002	0.2851988	0.226
<u> </u>			0.004	0	0.004	0.00510626	0.0012	0.01009904	0.002	0.2918509	0.229
08/24/95			0.004	0	0.004	0.00521591	0.0013	0.01020505	0.002	0.3820091	0.284
08/24/95		0	0.004	0	0.004	0.00510066	0.0013	0.01031467	0.002	0.4795754	0.361
08/24/95	19:39:55	0	0.004	0	0.004	0.00509879	0.0013	0.00985767	0.002	0.4916371	0.333
08/24/95	19:44:55	0	0.004	0	0.004	0.00509506	0.0013	0.01030335	0.002	0.4598012	0.337
08/24/95	 +	0	0.004	0	0.004	0.0050876	0.0013	0.01040132	0.002	0.4295067	0.329
	19:54:54	0	0.004	0	0.004	0.00496634	0.0012	0.00993267	0.002	0.3186356	0.247
08/24/95	19:59:55	0	0.003	0	0.004	0.00496086	0.0012	0.00992173	0.002	0	0.128
08/24/95		0	0.003	C	0.004	0.00484371	0.0011	0.0099127	0.002	0	0.102
08/24/95	20:09:54	0	0.003	0	0.004	0.00461332	0.0011	0.00978924	0.002	0	0.098
08/24/95	20:14:55	0	0.003	. 0	0.004	0.00449582	0.0011	0.00966602	0.002	0	0.087
08/24/95	20:19:55	0	0.003	0	0.004	0.00449168	0.0011	0.00954481	0.002	0	0.102
08/24/95		0	0.003	0	0.004	0.00448836	0.0011	0.00953776	0.002	0	0.12
08/24/95	20:29:56	0	0.003	0	0.004	0.00448587	0.0011	0.00953247	0.002	0	0.132
08/24/95	20:34:55	0	0.003	0	0.004	0.00448172	0.0011	0.00941162	0.002	0	0.124
	20:39:55	0	0.003	0	0.004	0.00447923	0.0011	0.00907045	0.002	0	0.102
	20:44:56	0	0.003	0	0.004	0.00436483	0.0011	0.00940117	0.002	0	0.115
08/24/95		0	0.003	0	0.004	0.00447426	0.0011	0.00928409	0.002	0	0.109
08/24/95		0	0.003	0	0.004	0.00435917	0.0011	0.0092772	0.002	0	0:108
	20:59:57	0	0.003	0	0.004	0.00435755	0.0011	0.00927376	0.002	0	0.108
08/24/95		0		0	0.004	0.00435593	0.0011	0.00927032	0.002	0	0.13
08/24/95			0.003	0_		0.00468662				0	,
08/24/95					0.004					0	+
	21:19:57	0	•		0.004			0.00924789		0	
08/24/95		0		0	0.004			0.00924445		0	+
08/24/95		0	0.003	0	0.004			0.00923929		0	
08/24/95		0	0.003	0	0.004	0.00456059		0.00912118		0	
08/24/95		0	0.003	0	0.004			0.00922725		0	
08/24/95			,	. 0	0.004			0.00911438		0	
08/24/95		0	•	0	0.004			0.00910758	0.002	0	
	21:54:58	0	0.003		0.004	0.00466312				0	
	21:59:59	0	•	0	0.004	0.00454869		0.00909738		0	
	22:04:59	0	0.003	0	0.004			0.00909229		0	
08/24/95 08/24/95		0	0.003	0	0.004	0.00454529		0.00909059		0	
08/24/95			0.003	0	0.004	0.00443277		0.00897637		0	+
08/24/95			0.003	0	0.004	0.00453933		0.00896795	0.002	0	
08/24/95		0	0.003	0	0.004	0.00453678				0	
08/24/95			0.003	0	0.004	0.0044253		· · · · · · · · · · · · · · · · · · ·		0	-
08/24/95		0	0.003	0	0.004	0.00453508					
08/24/95				0				0.00873342		0	+
08/24/95		0	0.003	0							
0015-199	EC.49.39		0.003	0	0.004	0.00475185	0.0012	0.00884065	0.002	0	0.212

Site: Bee	f Processi	<u> </u>									
	ata in ppm		·			_					
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/24/95	22:54:59	0	0.003	0	0.004	0.00463873	0.0012	0.00817301	0.002	0	0.212
08/24/95	22:59:59	0	0.003	_0	0.004	0.00441618	0.0012	0.00861156	0.002	0	0.16
	23:04:59	0	0.003	0	0.004	0.00463438	0.0012	0.00849637	0.002	0	0.192
08/24/95	23:10:01	0	0.003	0	0.004	0.00452319	0.0012	0.00849477	0.002	0	0.231
08/24/95	23:15:00	0	0.003	0	0.004	0.00440955	0.0012	0.00848839	0.002	0	0.225
08/24/95	23:19:59	0	0.003	0	0.004	0.00429689	0.0012	0.00826325	0.002	0	0.242
08/24/95	23:24:59	0	0.003	0	0.004	0.0045147	0.0012	0.00847882	0.002	0	0.259
08/24/95	23:30:00	0	0.003	0	0.004	0.00451215	0.0012	0.00847403	0.002	0	0.252
08/24/95	23:35:00	0	0.003	0	0.004	0.00440209	0.0012	0.00825393	0.002	0	0.211
08/24/95	23:40:00	0	0.003	0	0.004	0.00451045	0.0012	0.00847084	0.002	0	0.222
	23:45:01	0	0.003	0	0.004	0.00440044	0.0012	0.00836083	0.002	0	0.275
08/24/95	23:50:01	0	0.003	0	0.004	0.00461785	0.0012	0.00846606	0.002	0	0.265
08/24/95		0	0.003	0	0.004	0.0045062	0.0012	0.00846286	0.002	0	0.268
08/25/95	00:00:00	0_	0.004	0	0.004	0.00428477	0.0012	0.00813008	0.002	0	0.274
08/25/95	00:05:00	0	0.003	0	0.004	0.00450195	0.0012	0.00845489	0.002	0	0.271
	00:10:00	0	0.004	0	0.004	0.00450365	0.0012	0.00845808	0.002	0	0.241
	00:15:01	0	0.003	0	0.004	0.0045028	0.0012	0.00834666	0.002	0	0.326
08/25/95		0	0.003	0	0.004	0.00439381	0.0012	0.00834823	0.002	0	0.301
	00:25:00	0	0.004	0	0.004	0.0045028	0.0013	0.00856631	0.002	0	0.27
	00:30:00	0	0.003	0	0.004	0.00417097	0.0012	0.00812241	0.002	0	0.272
	00:35:00	0_	0.004	0	0.004	0.00427669	0.0012	0.0082244	0.002	0	0.255
08/25/95	00:40:01	0	0.004	0	0.004	0.00438303	0.0013	0.00843734	0.002	0.2936632	0.26
·	00:45:01	0	0.004	0	0.004	0.00415759	0.0012	0.00820577	0.002	0.29497	0.263
08/25/95	00:50:01	0	0.004	0	0.004	0.00426215	0.0012	0.00808716	0.002	. 0	0.24
08/25/95	00:55:01	. 0	0.003	0	0.004	0.00404357	0.0012	0.00797786	0.002	0	0.306
08/25/95	01:00:02	0	0.003	0	0.004	0.0041505	0.0012	0.0078641	0.002	0	0.27
08/25/95	01:05:02	0	0.003	0	0.004	0.00403897	0.0012	0.00775046	0.002	0	0.253
08/25/95	01:10:02	0	0.003	0	0.004	0.00414577	0.0012	0.00763695	0.002	0.2941317	0.258
08/25/95	01:15:01	0	0.003	0	0.004	0.00414262	0.0012	0.00763115	0.002	0	0.247
08/25/95	01:20:01	0	0.003	0	0.004	0.00414026	0.0012	0.00773575	0.002	0	0.096
08/25/95	01:25:02	0	0.004	0	0.004	0.00425245	0.0012	0.00795971	0.002	0	0.277
08/25/95	01:30:02	0	0.003	0	0.004	0.00403207	0.0012	0.00762825	0.002	0	0.253
08/25/95	01:35:02	0	0.003	0	0.004	0.00424356	0.0012	0.00772546	0.002	0	0.198
08/25/95	01:40:02	0	0.003	0	0.004	0.00424194	0.0012	0.00772251	0.002	0	0.237
08/25/95	01:45:03	O	0.003	0	0.004	0.00413396	0.0012	0.0076152	0.002	. 0	0.266
08/25/95	01:50:03	0	0.003	0	0.004	0.00413554	0.0012	0.00772693	0.002	0	0.259
08/25/95	01:55:03	0	0.003	0	0.004	0.00402364	0.0012	0.00750355	0.002	0	0.324
08/25/95	02:00:02	0	0.004	0	0.004	0.00402288	0.0012	0.00750212	0.002	0.3085654	0.277
08/25/95	02:05:02	0	0.004	0	0.005	0.00413318	0.0013	0.00794005	0.002	0.3600214	0.292
08/25/95	02:10:03	0	0.003	0	0.004	0.00391191	0.0012	0.00749783	0.002	0	0.277
08/25/95	02:15:03	0	0.004	0	0.004	0.00402211	0.0013	0.0077181	0.002	0	0.279
08/25/95	02:20:03	0	0.003	0	0.004	0.00402058	0.0012	0.00749783	0.002	0	
08/25/95		0	0.004	0	0.004	0.00391788	0.0012	0.0076181	0.002	0.2717484	0.249
08/25/95	02:30:04	0	0.003	0	0.004	0.00402288	0.0012	0.00761085	0.002	0	0.24
08/25/95		0	0.003	0	0.004	0.00391415	0.0012	0.00750212	0.002	0	0.243
08/25/95		0	0.004	0	0.004	0.00391489	0.0012	0.0076123	0.002	0.2866573	0.251
08/25/95	02:45:03	0	0.003	0	0.004	0.00391787	0.0012	0.00729158	0.002	0	0.263
08/25/95		0	0.003	0	0.004	0.00380325	0.0011	0.00717184	0.002	0	0.239
08/25/95	.	0	0.003	0	0.004	0.00391266	0.0012	0.00739057	0.002	0	0.246
08/25/95		0	0.003	0	0.004	0.0038018	0.0011	0.0071691	0.002	0	0.183
08/25/95		0	0.003	0	0.004	0.00380396	0.0011	0.00706449	0.002	0	0.24
08/25/95		0	0.003	0	0.004	0.00380468	0.0012	0.00739196	. 0.002	0	0.237
08/25/95		0	0.003	Ö	0.004	0.00369598	0.0011	0.00717454	0.002	0	0.247
08/25/95		0	0.003	ŏ	0.004	0.00391115	0.0012	0.00727908	0.002	0	0.26
08/25/95		0	0.003	0	0.004	0.00380178	0.0012	0.00716907	0.002	0	0.249
08/25/95		0	0.003	0	0.004	0.00380033	0.0012	0.0073835	0.002	0	0.253
08/25/95		0	0.003	0	0.004	0.00380178	0.0012	0.0072777	0.002	0	0.243
08/25/95		0	0.003	0	0.004	0.00358454	0.0011	0.00738632	0.002	0	0.243
08/25/95	,	0	0.003	0	0.004	0.00379888	0.0011	0.00748922	0.002	0	0.245
08/25/95		0	0.003	0	0.004	0.00369034	0.0012	0.00748922	0.002	0	0.243
08/25/95		0	0.004	0	0.004	0.00379815	0.0012	0.00759631	0.002	0	0.281
08/25/95		0	0.004	0	0.004	0.00373613		0.0075905	0.002	0	0.253
COLCUISO.	U-1.00.00		0.007	<u>. </u>	U.UU+	3.0000002	0.0012	0.0073303	0.002	. U	0.200

									· · · · · · · · · · · · · · · · · · ·		
Site: Bee	Processing	·	<u> </u>								<u> </u>
Upwind D	ata in ppm	<u> </u>									
Date	Time	CL3F	<u> </u>	CCL4		TCFM		CL2F2		HCC	
	1	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/25/95	04:05:06	0	0.004	0	0.004	0.00379235	0.0013	0.0075847	0.002	0	0.253
08/25/95	04:10:06	0	0.004	0	0.005	0.00357633	0.0013	0.00758615	0.003	0.3425689	0.298
08/25/95	04:15:06	0	0.004	0	0.004	0.00401136	0.0013	0.00758905	0.002	0.2877335	0.263
	 1	Ö	0.004	0	0.004	0.0036847	0.0013	0.00747778	0.002	0.2071000	0.277
	04:20:06										
08/25/95	04:25:07	0	0.004	0	0.004	0.00379235	0.0012	0.00747635	0.002	0	0.267
08/25/95	04:30:07_	0	0.003		0.004	0.00357633	0.0012	0.00715266	0.002	0	0.255
08/25/95	04:35:07	0	0.003	0	0.004	0.00401519	0.0012	0.0069452	0.002	0	0.256
08/25/95	04:40:06	0	0.003	0	0.004	0.00336922	0.0012	0.00706449	0.002	0	0.303
08/25/95	04:45:06	0	0.003	0	0.004	0.0036995	0.0012	0.007399	0.002	0.2815973	0.259
08/25/95	04:50:07	0	0.003	0	0.004	0.00371007	0.0012	0.00752926	0.002	0.2932048	0.255
08/25/95	04:55:07	0	0.003	0	0.004	0.00360437	0.0011	0.00742719	0.002	0.2892235	0.256
08/25/95	05:00:07	0	0.003	0	0.004	0.00382354	0.0012	0.00775633	0.002	0.3265307	0.28
	05:05:06	0	0.003	- 0	0.004	0.00371289	0.0012	0.00753498	0.002	0.301727	0.255
08/25/95		0	0.003	ŏ	0.004	0.00371078	0.0012	0.00753069	0.002	0.2938062	0.261
											 1
08/25/95		0	0.003	0	0.004	0.00381992	0.0012	0.00763983	0.002	0 0010400	0.252
08/25/95	05:20:07	0	0.003	0	0.004	0.00371007	0.0012	0.00742014	0.002	0.2912406	0.266
	05:25:07	0	0.003	0	0.004	0.00392533	0.0012	0.00774162	0.002	0.2833868	0.248
	05:30:06	0	0.003	0	0.004	0.00381629	0.0012	0.00763258	0.002	0	0.253
08/25/95	05:35:06	_0	0.003	0	0.004	0.00392607	0.0012	0.00774309	0.002	0.2856218	0.25
08/25/95	05:40:07	0	0.003	0	0.004	0.00381774	0.0012	0.00763548	0.002	0.2875304	0.262
08/25/95	05:45:07	0	0.003	0	0.004	0.00392533	0.0012	0.00763258	0.002	0.3203503	0.273
08/25/95	05:50:07	0	0.003	0	0.004	0.00392309	0.0012	0.00762823	0.002	0.2782123	0.253
08/25/95	05:55:07	0	0.003	- 0	0.004	0.00381194	0.0012	0.00707931	0.002	0.3331633	0.265
08/25/95	06:00:07	0	0.004	0	0.004	0.00391712	0.0012	0.00772543	0.002	0.3367634	0.288
		0		·	0.004				0.002		
	06:05:08		0.004	0		0.00391488	0.0012	0.00728603		0.3011196	0.263
	06:10:08	0	0.003	0	0.004	0.00380541	0.0012	0.00750209	0.002	<u>o</u> _	0.303
08/25/95	06:15:08	0	0.003	0	0.004	0.00391339	0.0012	0.00760937	0.002	0	0.255
08/25/95	06:20:08	0	0.003	0	0.004	0.00380758	0.0012	0.00739759	0.002	. 0	0.291
08/25/95	06:25:09	0	0.003	0	0.004	0.00391787	0.0012	0.00761807	0.002	0	0.236
08/25/95	06:30:09	0	0.003	. 0	0.004	0.00391563	0.0012	0.00739618	0.002	0	0.246
08/25/95	06:35:09	0	0.003	0	0.004	0.00358932	0.0012	0.00696111	0.002	0.3167307	0.274
08/25/95	06:40:09	0	0.003	0	0.004	0.00391861	0.0012	0.00751067	0.002	0	0.255
08/25/95	06:45:09	0	0.003	0	0.004	0.00381411	0.0012	0.00697438	0.002	0	0.273
08/25/95	06:50:10	0	0.003	0	0.004	0.00392533	0.0011	0,00752354	0.002	0	0.238
08/25/95	06:55:10	0	0.003	0	0.004	0.00370655	0.0012	0.00730408	0.002	0	0.228
	07:00:10										
08/25/95		0	0.003	0	0.004	0.00381484	0.0012	0.00752068	0.002	0	0.261
	07:05:11	0	0.003	0	0.004	0.00392235	0.0012	0.00751784	0.002	0	0.268
08/25/95	07:10:11	_0	0.003	0	0.004	0.00403207	0.0012	0.00762825	0.002	. 0	0.268
08/25/95	07:15:11	0	0.003	0	0.004	0.0038105	0.0012	0.00740325	0.002	0	0.307
08/25/95	07:20:11	0	0.003	0	0.004	0.0038047	0.0012	0.00739198	0.002	0	0.262
08/25/95	07:25:11	0	0.003	0	0.004	0.00380107	0.0012	0.00738494	0.002	0	0.253
08/25/95	07:30:12	0	0.003	0	0.004	0.00358387	0.0012	0.00705913	0.002	0.274003	0.251
	07:35:12	0	0.003	0		0.00380397			0.002	0	
	07:40:12	0	0.003	Ö	0.004	0.00347725		0.00717184	0.002	0	0.27
	07:45:12	0	0.003	- 0	0.004	0.00347725			0.002	0	+
	07:50:13										
		0	0.003	0	0.004	0.00347725	+	0.00706317	0.002		
	07:55:13	0	0.003	0	0.004	0.0034819		0.0070726	0.002	0.2683236	
	08:00:13	0	0.003	0	0.004	0.00370445		0.00751784	0.002	0	
	08:05:13	0	0.003	0	0.004	0.00338144	0.0011	0.00676289	0.002	0	
	08:10:14	0	0.003	0	0.004	0.00371572	0.0011	0.00721287	0.002	0	0.307
08/25/95	08:15:14	0	0.003	0	0.004	0.00360985	0.0011	0.00787605	0.002	0	0.236
	08:20:14	0	0.003	0	0.004	0.00372206	0.0011	0.00799148	0.002		
	08:25:14	0	0.003	ō	0.004	0.00383371	0.0011	0.00810556	0.002	0	+
	08:30:15	0	0.003	0	0.004	0.00372629	0.0011	0.00811016	0.002	0	_
	08:35:15	0	0.003	- 0	0.004	0.00372023					
08/25/05	08:40:15						 -	0.00800812	0.002	0	
		0	0.003	. 0	0.004	0.00318431	0.0011	0.00779607	0.002	0	·+
	08:45:15	0	0.003	0	0.004	0.0030774	0.0011	0.00835295	0.002	0	
	08:50:15	0	0.003	0	0.004	0.00340969	0.0011	0.0078093	-	0	
	08:55:16	0	0.003	0	0.004	0.00352366	0.001	0.00814846	0.002	0	0.225
08/25/95	09:00:16	0	0.003	0	0.004	0.0035263	0.001	0.00771379	0.002	0	0.203

		g plant in Midv	vest U.S.						_		
Upwind da	ata in ppm	-									-
Date	Time	H2O	<u> </u>	CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
Run 14		· _									
08/28/95	+	16219.2357	279.7	461.53	13.17	0.00021884	0.0002	2.5844	0.161	0.14968471	0.005
08/28/95		16178.8471	281.1	457.82	13.63	0	0.0002	2.6040	0.159	0.15577711	0.005
	21:14:52	16251.6662	280.2	465.32	12.93	0.00021872	0.0002	2.5665	0.165	0.14446168	0.005
	21:19:52	16323.4314	284.3	470.57	12.56	0.00021892	0.0001	2.5392	0.162	0.14437668	0.004
	21:24:52	16358.787	298.9	475.75	12.37	0.00021904	0.0001	2.5494	0.168	0.16657996	0.004
	21:29:53	16315.1341	295.2	471.83	12.39	0.000219	0.0001	2.5225	0.164	0.15253315	0.004
	21:34:53	16220.7718	304.8	474.73	12.11	0.00032868	0.0001	2.5085	0.165	0.15349437	0.004
08/28/95	·	16086.7051	313.6	470.08	12.1	0.0002192	0.0001	2.4929	0.159	0.14861913	0.004
08/28/95		15922.1795	319.3	474.11	11.8	0.00032886	0.0001	2.4823	0.161	0.14426176	0.004
08/28/95		15778.8624	330.3	475.52	11.68	0.00032893	0.0001	2.4739	0.159	0.15755509	0.004
08/28/95		15630.7042	337.5	478.43	11.58	0.00032905	0.0001	2.4771	0.154	0.16375556	0.004
08/28/95		15499.949	341	478.46	11.55	0.00032899	0.0001	2.4744	0.156	0.16734414	0.004
08/28/95		15384.7006	341.6	475.74	11.47	0.00032893	0.0001	2.4695	0.157	0.16819033	0.004
08/28/95		15256.8706	340.9	472.10	11.46	0.00032868	0.0001	2.4798	0.151	0.17748828	0.004
08/28/95		15190.7549	339	476.46	11.56	0.00032874	0.0001	2.4836	0.152	0.1831096	0.004
08/28/95		15115.5802	341.9	476.87	11.65	0.0003285	0.0001	2.5005	0.154	0.18691627	0.004
08/28/95		15067.405	349.1	474.51	11.68	0.00032838	0.0001	2.5094	0.156	0.20315651	0.004
	22:29:53	14999.8507	337.7	477.85	11.9	0.00043759	0.0001	2.4827	0.156	0.19177562	0.004
	22:34:54	14955.6174	331	477.76	11.87	0.00043751	0.0001	2.4592	0.153	0.18594304	0.004
08/28/95	22:39:53	14865.5784	322.6	474.94	11.72	0.00032807	0.0001	2.4576	0.155	0.17442599	0.004
Run 15	20.44.50	12002 5122	000.0			0.00005400	0.0000	5.4047	0.400	A 45505557	
08/29/95		17637.5177		514.30	20.6	0.00065432	0.0002	3.1217	0.162	0.35289867	0.007
08/29/95		17829.2458	·	521.02	21.65	0.0007638	0.0003	3.1125	0.165	0.35342277	0.008
08/29/95		17844.0938		512.25	19.79	0.00065505	0.0002	3.1384	0.162	0.35438394	0.007
	09:59:51	17932.5611		515.57	20.2	0.00065566	0.0002	3.1590	0.163	0.3499047	0.007
08/29/95		18076.6166		512.98	19.12	0.00065627	0.0002	3.1630	0.161	0.3466197	0.007
08/29/95		18244.7747		516.85	19.12	0.00065688	0.0002	3.1417	0.159	0.34956835	0.007
	10:14:52	18378.2583	-	515.89	18.99	0.00065761	0.0002	3.1617	0.16	0.34195575	0.007
08/29/95	10:19:52	18577.6863	7	506.94	17.27	0.00054851	0.0002	3.1248	0.159	0.3456727	0.006
	10:24:54	18709.8718		513.13	18.26	0.0006587	0.0002	3.0784	0.158	0.34867275	0.006
08/29/95		19104.6896		515.39	18.25	0.00065907	0.0002	3.1266	0.162	0.37281194	0.006
	10:34:53	19202.0463	413.2	516.62	18.14	0.0006598	0.0002	3.0869	0.164	0.35123146	0.006
	10:39:52	19257.6282	417.7	517.41	18.16	0.00055044	0.0002	3.0581	0.16	0.35899574	0.006
	10:44:53	19515.6999	432	514.60	17.4	0.00055084	0.0002	3.1403	0.162	0.36752233	0.006
	10:49:54	19668.419	•——	520.71	18.16	0.00055125	0.0002	3.1582	0.166	0.38455062	0.006
	10:54:53	19572.2611	426.7	524.53	18.6	0.00066186	0.0002	3.0498	0.161	0.35630254	0.006
	10:59:53	19726.127		524.00	18.17	0.00055216	0.0002	3.0576	0.16	0.36011857	0.006
	11:04:54	19571,127	451.7	533.43	19.53	0.0006632	0.0002	3.0694	0.16	0.38974022	0.007
	11:09:55	19709.655		529.94	18.42	0.00066381	0.0002	3.0097	0.159	0.35768149	0.006
	11:14:54	19779.194		535.08	18.94	0.00066442		3.0560	0.166	0.36941478	0.007
		20220.8683				0.0006649		3.1275		0.41367944	0.007
08/29/95		20004.7663	$\overline{}$	532.86		0.00066539		3.0772	0.16	0.40189409	0.006
	11:29:55			542.70	$\overline{}$	0.00066575	0.0002	3.0610	0.158	0.39922943	0.007
	11:34:55			547.10	20.05	0.00066612	0.0002	3.0784	0.158	0.4118823	0.007
08/29/95	11:39:56	20144.4095	489.6	544.80	19.39	0.00066697	0.0002	3.1272	0.159	0.42797296	0.007
Downwind							<u> </u>				ļ
Run 16											<u> </u>
08/29/95		18166.7162		493.77	22.95	0.01825104	0.0003	49.2794	0.251	1.04778588	0.008
08/29/95		18239.9291	931.6	486.45	24.25	0.01837117	0.0003	47.7197	0.242	1.09764975	0.008
08/29/95		18174.8566		485.84	23.31	0.01651019	0.0003	45.9434	0.233	1.08427916	0.008
08/29/95		18203.8559	927.5	486.29	23.18	0.01652542		44.3619	0.227	1.07591525	0.008
08/29/95		18186.5197	879.8	484.81	22.62	0.0167365	0.0003	44.8207	0.228	1.01795358	0.008
08/29/95		18130.0748	859.1	486.77	22.26	0.01740036	0.0003	44.7244	0.229	0.99677637	0.008
08/29/95		17969.3856	782.4	483.71	21.58	0.01827802	0.0003	48.7159	0.242	0.90145873	0.008
08/29/95		17969.8137	740	484.94	20.69	0.01750403	0.0002	44.4858	0.229	0.84778954	0.007
08/29/95	 +	17908.2721_		482.65	20.77	0.01739073	0.0002	42.8501	0.222	0.84422101	0.007
08/29/95		17943.9128	767.7	482.58	21.02	0.0169442	0.0003	43.6531	0.225	0.87779783	0.007
08/29/95	23:04:59	17956.2168	806.5	481.19	21.8	0.0184607	0.0003	46.5358	0.235	0.93215543	0.008
		430043404	0147	479.93	00.0	0.01975007	0.0003	49.2454	0.247	0.04152075	0.008
08/29/95	23:10:00	17984.7434	814.7	479.93	22.2	0.01373007	0.0003	45.2434	0.247	0.94152975	0.000
08/29/95 08/29/95		17984.7434	798.7	476.81	22.28	0.02050673	0.0003	54.9285	0.268	0.94132973	0.008

		g plant in Midw	est U.S.		\						!
Upwind da	ata in ppm										ļ
Date	Time	H2Q		CO2		SF6		CH4		NH3_	<u> </u>
	<u></u>	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
	23:24:59	17852.7332	802	477.86	21.92	0.01952701	0.0003	49,8055	0.248	0.92138963	0.008
08/29/95	23:30:00	17701.1246	780.8	475.34	21.2	0.01645535	0.0003	44.8769	0.23	0.88683341	0.007
08/29/95	23:35:00	17610.6337	770.7	474.95	20.97	0.01723283	0.0003	45.7508	0.233	0.87580089	0.007
08/29/95	23:39:59	17580.9642	<i>7</i> 78.7	474.33	21.16	0.01766534	0.0003	45.0286	0.231	0.88348649	0.007
	23:45:00	17524.4398	784.9	474.26	21.13	0.01711039	0.0003	45.4948	0.232	0.89193393	0.007
08/29/95	23:50:00	17482.4251	779.8	473.65	21.07	0.01699441	0.0003	43.1630	0.226	0.89105536	0.00
08/29/95	23:54:59	17422.959	777.8	472.84	20.97	0.01643706	0.0003	43.0354	0.225	0.88858767	0.007
	23:59:59	17344.4225	761.8	472.23	20.77	0.01566419	0.0002	43.0065	0.226	0.86788384	0.00
	00:05:00	17278.9699	765.5	471.17	20.8	0.01653438	0.0002	43.0035	0.226	0.87358442	0.00
	00:10:00	17192.1072	761.1	470.45	20.64	0.01565257	0.0002	42,9229	0.227	0.86964818	0.00
08/30/95	00:14:59	17127.6314	769.7	469.93	20.79	0.0163063	0.0002	41.5482	0.222	0.88393265	0.00
	00:20:00	17066.222	784.3	470.32	21.03	0.01685974	0.0003	42.1304	0.223	0.90112052	0.00
	00:25:00	17023.8839	798.5	469.16	21.07	0.0163063	0.0003	41.0213	0.22	0.9155603	0.00
	00:29:59	16987.3316	794.6	470.37	21.01	0.01663461	0.0003	41.3296	0.222	0.9141376	0.00
08/30/95	00:34:59	16925.0612	787.7	469.71	20.81	0.01564967	0.0002	41.8056	0.223	0.9081185	0.00
	00:40:00	16932.3145	802.3	469.73	20.97	0.01564676	0.0003	44,2798	0.232	0.92447205	0.00
	00:45:00	16938.989	813.1	468.53	21.25	0.015641269	0.0003	44.5526	0.233	0.93771162	0.00
	00:45:00		801.4		20.95	0.01520627	0.0003	41,3785	0.233	0.92626958	0.00
		16917.028		468.55							
	00:55:01	16927.8284	799.8	467.98	21.1	0.01641269	0.0003	42.5970	0.227	0.92140835	0.00
	01:00:00	16947.5499	811.3	467.13	21.39	0.01640964	0.0003	42.0734	0.225	0.93633417	0.00
	01:05:00	16985.4524	836.5	467.85	21.86	0.01716586	0.0003	46.0425	0.238	0.97320574	0.00
08/30/95	01:10:01	17018.4806	847.1	467.33	22.13	0.0173813	0.0003	46.8832	0.242	0.99565343	0.00
	01:15:01	17070.8323	838.8	466.19	22.13	0.01737161	0.0003	45,0708	0.236	0.99182074	0.00
	01:20:00	17138.5706	844.3	464.12	21.91	0.01562353	0.0003	42,0573	0.227	0.99258553	0.00
08/30/95	01:25:00	17174.4064	858.6	464.77	22.06	0.01562353	0.0003	42,6111	0.228	0.99946862	0.00
	01:30:01	17161.5359	857	464.64	22.02	0.01573571	0.0003	43.5748	0.231	0.990366	0.00
08/30/95	01:35:00	17154.1243	849.3	462.76	21.88	0.01508285	0.0003	41.2246	0.224	0.9794019	0.00
08/30/95	01:40:00	17160.8803	852.2	462.89	21.76	0.01562643	0.0003	43,3679	0.233	0.98391873	0.00
	01:45:01	17146.874	854.4	461.82	22.06	0.01551427	0.0003	42,6885	0.23	0.9879968	0.00
08/30/95	01:50:01	17170.8599	854.7	461.00	22.11	0.01539929	0.0003	41,8231	0.228	0.98610042	0.00
08/30/95	01:55:00	17184.4823	852.6	461.13	21.99	0.01495964	0.0003	42.3426	0.231	0.98133085	0.00
08/30/95	02:00:00	17216.0395	856.3	461.67	22.27	0.01692515	0.0003	42.5745	0.231	0.9901756	0.00
08/30/95	02:05:01	17245.1094	868.4	461.07	22.64	0.01713716	0.0003	48,1885	0.25	1.01032814	0.00
08/30/95	02:10:00	17298.376	882.4	458.49	23.28	0.01822191	0.0003	47.0051	0.246	1.02457329	0.00
08/30/95	02:15:00	17323.6755	881.9	458.43	23.24	0.01766976	0.0003	47.6939	0.249	1.03291762	0.00
	02:20:01	17360.872	886.3	458.39	23.47	0.01809594	0.0003	48.5586	0.252	1.04073444	0.00
	02:25:01	17395.2145	893.4	459.33	23.72	0.01875695	0.0003	48.7210	0.253	1.0536606	0.00
	02:30:00	17369.0008	893.1	458.39	23.68	0.01831391	0.0003	48.6635	0.254	1:0549031	0.00
	02:35:01	17368.1128	900.2	457.92	24.04	0.01917527	0.0003	52.0144	0.267	1.06248447	0.00
	02:40:01	17382.7862	922.8	457.55	24.57	0.02025344	0.0003	56.3652	0.285	1.09107236	0.00
	02:45:00	17349.7654	918	458.17	24.77	0.02025544	0.0003	57.6398	0.283	1.0926381	0.00
00 10 0											
08/30/95		17352.0982		460.06	24.5	0.02099606			0.284	1.08515886	0.00
08/30/95		17326.5331		460.93	23.67	0.01947303	0.0003	56.0306	0.286	1.0355516	0.00
08/30/95		17369.0353		461.17	23.87	0.02003186	0.0003	55.6696	0.284	 _	0.00
08/30/95		17396.3429	863.7	459.62	23.46	0.01807559	0.0003	48.8188	0.258	1.02388436	0.00
08/30/95		17444.6897		460.49	23.89	0.01927337	0.0003	51.8393	0.27	1.05731332	$\overline{}$
08/30/95		17424.0008		462.23	23.38	0.01883782	0.0003	50.0946	0.264	1.03161548	0.00
08/30/95		17430.1941		461.23	23.28	0.01873242		49.1169	0.262		
	03:25:00	17427.1446		461.45	23	0.0173166		47.7795	0.256	1.00512525	
	03:30:01	17424,8575		461.88	22.99	0.01764333		48.2640	0.257	1.00871927	0.00
08/30/95		17388.1089	831.4	462.71	22.29	0.01623356	0.0003	43.6126	0.243	0.97684659	
08/30/95		17384.2701		461.16	22.37	0.01558277	0.0003	43.4530	0.242	0.98116972	0.00
	03:45:00	17386.6926	851.5	459.66	22.68	0.01634251	0.0003	45.8667	0.249	0.99220855	0.00
08/30/95	03:50:01	17334.4627	839	458.94	22.49	0.01622751	0.0003	44.3067	0.245		
08/30/95	03:55:00	17301.2451		460.54	22.6	0.01643612	0.0003	44.8770	0.248		
	04:00:00	17264.0713		460.86	22.31	0.01567413		43.5331	0.245		
08/30/95		17236.8385		459.93	22.24	0.01577708	0.0003	42.8218	0.242	0.95881111	0.00
08/30/95		17207.9897		459.32	22.49	0.01631501	0.0003	44.1970	0.247	0.96845926	
08/30/95		17176.5969		459.61	22.47	0.01608845	0.0003	45.0770	0.249	0.95921961	0.00
08/30/95		17132.1378		450.09	23.15	0.01597377	0.0003		0.249	0.95921961	_
				459.18	22.34	0.01597377		42.3680	0.24	+	
八見/コロバロニ				. 474 18	. // 14			A LAAKE			1 1 1 1 M
08/30/95 08/30/95		17003.7068 16953.371		453.04	22.73	0.01552457	0.0003	41.7525	0.242		

Description	Site: Reef	nrocassin	a plant in Midw	estils								
Date Time PAO 95% CI pm 95% CI	Unwind da	ta in nom	g plant in Midw	631 0.0.		-						-
1856 1869			H2O		CO2		SF6		CH4		NH3	
Description		11110		95% CI		95% CI		95% CI		95% CI	ppm	95% CI
Description	08/30/95	04:35:00										0.008
Designors De-45:00 16916.5668 Dec-45 365.4 365.9 22.15 Dec-1506274 Dec-50 34.0322 Dec-50 34.0322 Dec-50 34.0322 Dec-50 34.0322 Dec-50 34.0322 Dec-50 Dec-50 34.0322 Dec-50 34.0322 Dec-50 Dec-50 34.0322 Dec-50												0.008
Demondre			_		_					_	_	
Design D												
DEGROUPS 105:000 16860 a059 633.6 446.3 23.1 5.00.1616688 0.0003 43.6340 0.244 0.963038 0.000 0.000705 0												
1962 1962 1963 1967 1967 1962 1962 1963												
08/09/09 08/09/09/09 08/09/09/09/09/09/09/09/09/09/09/09/09/09/												
096/09/5 05:25/02 06:750:345 80.03 453.07 22.65 0.01616686 0.0003 42.9968 0.245 0.9784747 0.000 06:05/09/5 05:35.02 16694.9674 841.8 49.16 23.11 0.0170253 0.0003 43.026 0.245 0.9893303 0.000 06:05/09/5 05:45.03 16694.9674 841.8 49.16 23.11 0.0170253 0.0003 43.2054 0.245 0.9983305 0.0003/09/5 05:50.31 16694.9674 841.8 49.16 23.11 0.0170253 0.0003 43.2054 0.246 0.9893305 0.0003/09/5 0.0003/09/5 0.0003 43.004 0.244 0.9893213 0.000 0.0009/5					_	-						
0876095 05:30:02 16728.3789 841.8 451.85 22.86 0.01637772 0.0003 43.0320 0.245 0.98630334 0.000 0.007095 0.055:02 16686.9874 841.8 449.16 0.311 0.0170235 0.0003 44.8124 0.25 0.25 0.99538562 0.00708765	_					-						
096/3095 05:50.21 16994.9874 841.8 449.16 23.11 0.170253 0.0003 44.8124 0.25 0.99147973 0.000 086/3095 05:45.03 1606.2343 383.7 453.07 22.77 0.01689989 0.0003 42.3064 0.244 0.9830213 0.000 086/3095 05:50.03 16687.9894 383.7 453.07 22.77 0.01689989 0.0003 42.3064 0.244 0.9830213 0.000 086/3095 05:50.04 16689.9894 383.1 485.9 23.67 0.01689989 0.0003 42.3064 0.244 0.9830213 0.000 086/3095 05:50.04 16689.9894 387.1 445.99 2.367 0.01689989 0.0003 42.7338 0.245 0.98728926 0.000 0.066/3095 0.0005 0.0004 16542.3206 383.3 448.01 23.71 0.01754774 0.0003 45.8058 0.254 0.98722220 0.0006/3095 0.0005 0.0004 16482.2306 286.3 447.54 23.35 0.01689189 0.0003 45.8491 0.247 0.98772829 0.0006/3095 0.0005 0.0004 16482.2308 286.3 447.54 23.35 0.01695198 0.0003 45.8491 0.259 0.97475849 0.000 0.063/3095 0.0004 16482.2308 286.3 447.54 23.35 0.01695199 0.0003 45.8000 0.26 0.95217795 0.0006/3095 0.0005								· · · · · · · · · · · · · · · · · · ·				
1967 1967 1968		·										
08/30/95 05:45:03 16608.2343 835.7 453.07 22.77 0.01669988 0.0003 42:3064 0.244 0.9830213 0.000 08/30/95 05:05:03 16696.9859 847.1 445.99 23.67 0.01626316 0.0003 42:3738 0.245 0.9897250 0.006/30/95 05:05:05 16869.5469 847.1 445.99 23.67 0.01626316 0.0003 45.0458 0.254 0.98722222 0.000 08/30/95 05:05:05 164682.3206 836.3 448.01 23.71 0.01754774 0.0003 45.0458 0.254 0.98722222 0.000 08/30/95 05:05:05 164682.3206 826.3 447.54 23.35 0.01689318 0.0003 45.0458 0.254 0.98722222 0.000 08/30/95 05:05:05 164682.3206 82.03 447.54 23.35 0.01689318 0.0003 45.0458 0.259 0.97475849 0.000 08/30/95 05:05:05 164682.3306 802.2 453.01 22.79 0.01705759 0.0003 49.2922 0.271 0.96757884 0.000 08/30/95 05:05:05 164682.3308 802.2 453.01 22.79 0.01705759 0.0003 49.2922 0.271 0.957570575 0.000 08/30/95 05:05:04 16343.3528 808.2 453.01 22.79 0.01705759 0.0003 49.5092 0.26 0.95217795 0.000 08/30/95 05:05:04 16343.373 8173 447.11 23.45 0.01695789 0.0003 49.5092 0.274 0.9660046 0.000 08/30/95 05:05:04 16343.3528 808.2 445.70 23.65 0.01749833 0.0003 45.7523 0.255 0.95217795 0.000 08/30/95 05:05:04 16263.989 82.15 445.26 23.62 0.01706306 0.0003 48.5092 0.274 0.9660046 0.000 08/30/95 05:05:04 16263.989 82.15 445.99 23.77 0.017272754 0.0003 48.9602 0.276 0.969745 0.000 08/30/95 05:05:04 16263.095 83.095 445.50 23.000 445.09 0.0003 48.9602 0.276 0.969745 0.000 08/30/95 05:05:04 16263.095 83.005 845.00 0.0003 48.9602 0.276 0.969745 0.000 08/30/95 07:000 16167.6838 16.7 444.88 23.88 0.01756657 0.0003 44.960 0.279 0.99627797 0.000 08/30/95 07:000 16167.6838 16.7 444.88 23.88 0.01756657 0.0003 44.9640 0.271 0.96185029 0.000 08/30/95 07:000 16167.6875 789.9 455.67 24.21 0.01672667 0.0003 44.3689 0.256 0.95971676 0.000 08/30/95 07:000 16167.6875 789.9 455.67 24.21 0.01672667 0.0003 44.3689 0.256 0.95971767 0.000 08/30/95 07:500 1590.489670 0.000 15953.3874 777.6 455.09 24.22 0.01674953 0.0003 44.3689 0.256 0.9594710 0.000 08/30/95 07:500 15950.489670 0.000 15953.3874 777.6 455.09 24.22 0.01678979 0.0003 44.3689 0.256 0.9594710 0.000 08/30/95 07:500 1595												
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08/30/95 08:30:05 16374.4243 820.9 461.29 23.53 0.01890986 0.0003 54.0316 0.289 0.96980558 0.00 08/30/95 08:35:05 16465.4779 818.9 461.70 23.64 0.01869726 0.0003 52.1373 0.281 0.96642142 0.00 08/30/95 08:40:05 16551.9492 810.8 466.16 23.8 0.01881948 0.0003 49.9547 0.274 0.96357902 0.00 08/30/95 08:45:04 16571.7984 801.3 464.74 23.25 0.01797446 0.0003 48.3760 0.266 0.94647419 0.00 08/30/95 08:50:04 16577.2685 805.7 466.37 23.09 0.01777456 0.0003 47.2356 0.261 0.9531065 0.00 08/30/95 08:55:05 16751.6354 814.3 463.79 23.08 0.0183302 0.0003 46.5041 0.257 0.95588208 0.00 08/30/95 09:00:05 16920.6008 831.2 467.17 23.4 0.01823539 0.0003 48.7819 0.265 0.97483379 0.00 08/30/95 09:05:05 17012.4263 810.9 467.65 23.15 0.01846285 0.0003 47.5677 0.261 0.95637541 0.00 08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01717564 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 49.6819 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00										+		0.008
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08/30/95 08:40:05 16551.9492 810.8 466.16 23.8 0.01881948 0.0003 49.9547 0.274 0.96357902 0.00 08/30/95 08:45:04 16571.7984 801.3 464.74 23.25 0.01797446 0.0003 48.3760 0.266 0.94647419 0.00 08/30/95 08:50:04 16577.2685 805.7 466.37 23.09 0.01777456 0.0003 47.2356 0.261 0.9531065 0.00 08/30/95 08:55:05 16751.6354 814.3 463.79 23.08 0.0183302 0.0003 46.5041 0.257 0.95588208 0.00 08/30/95 09:00:05 16920.6008 831.2 467.17 23.4 0.01823539 0.0003 48.7819 0.265 0.97483379 0.00 08/30/95 09:05:05 17012.4263 810.9 467.65 23.15 0.01846285 0.0003 47.5677 0.261 0.95637541 0.00 08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 49.6819 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00												0.008
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08/30/95 08:50:04 16577.2685 805.7 466.37 23.09 0.01777456 0.0003 47.2356 0.261 0.9531065 0.00 08/30/95 08:55:05 16751.6354 814.3 463.79 23.08 0.0183302 0.0003 46.5041 0.257 0.95588208 0.00 08/30/95 09:00:05 16920.6008 831.2 467.17 23.4 0.01823539 0.0003 48.7819 0.265 0.97483379 0.00 08/30/95 09:05:05 17012.4263 810.9 467.65 23.15 0.01846285 0.0003 47.5677 0.261 0.95637541 0.00 08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00										†·		0.008
08/30/95 09:00:05 16920.6008 831.2 467.17 23.4 0.0183302 0.0003 46.5041 0.257 0.95588208 0.00 08/30/95 09:00:05 16920.6008 831.2 467.17 23.4 0.01823539 0.0003 48.7819 0.265 0.97483379 0.00 08/30/95 09:05:05 17012.4263 810.9 467.65 23.15 0.01846285 0.0003 47.5677 0.261 0.95637541 0.00 08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00												0.008
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08/30/95 09:05:05 17012.4263 810.9 467.65 23.15 0.01846285 0.0003 47.5677 0.261 0.95637541 0.00 08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00	08/30/95	08:55:05	16751.6354	814.3	463.79	23.08	0.0183302	0.0003	46.5041	0.257	0.95588208	0.008
08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00	08/30/95	09:00:05	16920.6008	831.2	467.17	23.4	0.01823539	0.0003	48.7819	0.265	0.97483379	0.008
08/30/95 09:10:05 17203.1417 825 471.57 23.37 0.01717564 0.0003 49.6819 0.267 0.97422833 0.00 08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00	08/30/95	09:05:05	17012.4263	810.9	467.65	23.15	0.01846285	0.0003	47.5677	0.261	0.95637541	0.008
08/30/95 09:15:06 17235.6952 814.4 470.83 23.05 0.01718848 0.0003 48.3672 0.261 0.96255495 0.00 08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00										•		0.008
08/30/95 09:20:06 17272.8506 815.8 472.49 23.09 0.01654811 0.0003 46.3788 0.254 0.96174995 0.00 08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00				814.4				0.0003	48.3672	0.261	0.96255495	0.008
08/30/95 09:25:05 17444.7193 799.8 472.65 22.84 0.01677523 0.0003 49.1656 0.263 0.94289892 0.00 08/30/95 09:30:05 17565.99 790.8 473.83 22.64 0.01701211 0.0003 50.3940 0.265 0.93337622 0.00 08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00											+	0.008
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08/30/95 09:35:06 17585.5589 801.7 472.72 22.6 0.01690625 0.0003 49.0589 0.26 0.94544139 0.00										+		0.008
										+	·	0.008
U.U. 1 E18E812.1 1 262.0 4704.00 7654.14 42.3 42.5 42.4 47.4051 47.4054 47.4051			17660.7786	781.1	473.82	22.3	0.01659447	0.0003	47.4894	0.253		0.008

Cita, Book	f orosoccio	g plant in Midw	2 1 1 to a								
Upwind da		g plant in lylidy	rest U.S.							<u> </u>	·
Date	Time	H2O		CO2		SF6		CH4		NH3	<u> </u>
Date	Tille	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	09:45:05	17756.1915	799.8	475.81	22.58	0.01737161	0.0003	47.8001	0.253	0.93981516	0.008
	09:50:05	17929.127	833.6	475.35	22.88	0.01717224	0.0003	49,6976	0.259	0.98253628	0.008
	09:55:05	18089.521	759.2	478.42	21.75	0.01717224	0.0003	58.2694	0.292	0.88513661	0.008
			630.5	477.15	19.96	0.01387444	0.0003	56.5412	0.285	0.70456426	0.007
08/30/95	10:00:07	17774.1054	-				0.0002				
	10:05:06	18103.6243	697.7	475.18	20.95	0.01586856		54.6555	0.277	0.80338711	0.007
	10:10:05	18084.7241	751	475.47	21.28	0.01445123	0.0003	51.8670 50.7749	0.264	0.8721096	0.007
	10:15:05	17978.1724	712.7	477.79	20.81	0.01544799	0.0002		0.261	0.81918166	0.007
	10:20:41	18021.4323	692.8	476.17	20.34	0.01524016	0.0002	52.5313	0.267	0.79073397	0.007
	10:25:34	17940.9882	736.5	476.15	20.64	0.01447535	0.0002	50.1316	0.256	0.84549195	0.007
	10:30:33	18222.5177	768.4	472.47	21.23	0.01492228	0.0003	48.4132	0.248	0.88206036	0.007
	10:35:33	18616.5868	821.7	471.50	22.22	0.0141647	0.0003	51.3405	0.259	0.95199953	0.008
	10:40:33	18568.429	794.5	478.84	21.66	0.01429034	0.0003	47.6449	0.251	0.92381556	0.008
	10:45:34	18750.5194	832.1	475.23	22.49	0.01615609	0.0003	52.0289	0.262	0.96529906	0.008
08/30/95	10:50:34	19118.1169	862.3	472.54	23.2	0.0157368	0.0003	47.2758	0.243	1.0014325	0.008
	10:55:33	18969.4567	834.9	474.32	22.32	0.01255468	0.0003	47.1789	0.243	0.96505822	0.008
	11:00:33	18609.7762	801.7	477.19	21.62	0.01387622	0.0003	48.3145	0.245	0.91880415	0.008
	11:05:34	18735.9002	831.7	478.66	22.33	0.01563252	0.0003	50.8595	0.255	0.95611548	0.008
	11:10:34	18686.1855	832	478.29	22.13	0.01420659	0.0003	52.8586	0.261	0.94974931	0.008
08/30/95	11:15:33	18889.4243	792.8	478.49	21.81	0.01499406	0.0003	52.7156	0.261	0.90063565	0.008
08/30/95	11:20:33	18730.171	742.5	482.08	21.27	0.01621278	0.0003	52.9635	0.262	0.8319251	0.007
	11:25:34	18858.6505	752.5	488.66	21.07	0.01577742	0.0003	52.0027	0.261	0.84480911	0.007
08/30/95	11:30:34	19150.3496	801.6	495.13	22.04	0.0158936	0.0003	50.0297	0.255	0.92083528	0.008
	11:35:33	19458.9856	870.1	496.56	22.81	0.01447471	0.0003	48.1033	0.251	1.00416936	0.008
	11:40:33	19165.2926	871.9	496.01	22.94	0.01668459	0.0003	50.9533	0.267	1.01046751	0.008
	11:45:34	19457.5492	883.3	500.21	23.23	0.01690558	0.0003	50.7661	0.256	1.0162132	0.008
	11:50:34	19593.8721	878.9	499.76	23.02	0.01614986	0.0003	54.2675	0.271	1.00726451	0.008
	11:55:33	19643.3393	897.8	499.91	23.49	0.01737937	0.0003	50.3372	0.254	1.02671129	0.008
08/30/95	12:00:33	19788.9619	898	496.88	23.55	0.01749648	0.0003	51.6023	0.257	1.02000049	0.008
	12:05:34	19883.0669	887.6	493.84	23.25	0.01585863	0.0003	50.3625	0.251	1.0046389	0.008
08/30/95	12:10:34	20528.4515	903.1	498.78	24.11	0.0177699	0.0003	56.4627	0.282	1.02465669	0.008
	12:15:34	19766.0061	906.8	493.93	23.5	0.01887362	0.0003	49.5741	0.253	1.01462345	0.008
08/30/95	12:20:35	20168.5692	947.6	506.70	24.26	0.015654	0.0003	53.3683	0.268	1.06935694	0.008
08/30/95	12:25:35	20147.3983	921	505.33	23.89	0.01677034	0.0003	57.2429	0.284	1.03276421	0.008
08/30/95	12:30:35	20178.4887	865.4	515.56	23.42	0.01578807	0.0003	59.2596	0.303	0.96151575	0.008
08/30/95	12:35:36	20642.8403	923.5	522.98	25.09	0.01870952	0.0003	63.5580	0.315	1.04517186	0.009
08/30/95	12:40:36	20862.0709	922.1	526.56	25.3	0.01884146	0.0003	66.2581	0.328	1.03817578	0.009
08/30/95	12:45:36	21051.0829	875	521.41	23.94	0.01025876	0.0003	58.2444	0.294	0.97781575	0.008
08/30/95	12:50:36	20891.4272	971.4	524.82	25.68	0.0166238	0.0003	51.4086	0.263	1.09951357	0.009
08/30/95	12:55:37	20363.9691	913.2	523.09	24.02	0.01728378	0.0003	58.4789	0.293	1.01450196	0.008
08/30/95	13:00:37	20771.456	942.7	529.36	25.13	0.01562536	0.0003	57.8422	0.288	1.05783663	0.009
08/30/95	13:05:37	21528.5931	889.4	534.08	24.98	0.01610978	0.0003	68.6906	0.343	0.98952076	0.009
08/30/95	13:10:36	21313.6695	948.2	531.88	25.71	0.01979442	0.0003	64.5279	0.32	1.06565552	0.009
	13:15:36	21096.7451		533.11	25.33	0.01522859	0.0003	60.9904	0.298	1.07574297	0.009
08/30/95		21574.8675		535.79	25.61	0.01455938	0.0003	61.3226	0.304	1.06048256	0.009
08/30/95		21560.3725		534.51	26.14	0.01579991	0.0003	59.0437	0.295	1.12056071	0.009
08/30/95	13:30:36	21751.3709		532.76	24.99	0.01457784	0.0003	56.2236	0.279	1.0213459	0.009
08/30/95		21726.5815		535.47	25.62	0.0139025	0.0003	57.6899	0.288	1.0588324	0.009
08/30/95		21843.2568	ì	540.06	26.45	0.01392263	0.0003	56.9573	0.283	1.11818917	0.009
08/30/95		21146.0715		533.17	24.38	0.01572775	0.0003	52.3633	0.258	1.00567724	0.008
08/30/95		21519.5364		535.21	26.21	0.01617419	0.0003	54.7882	0.272	1.12152289	0.009
08/30/95		21901.1158		531.37	26.6	0.01426732	0.0003	52.1862	0.263	1.14587889	0.009
08/30/95		22473.1323		541.56	27.43	0.01519345	0.0003	60.9220	0.298	1.15245101	0.01
08/30/95		22290.6984		541.45	26.14	0.01313645	0.0003	60.8099	0.301	1.0647792	0.009
08/30/95		22451.7353	962.1	542.19	26.69	0.01130093	0.0003	56.6102	0.282	1.07413849	0.009
08/30/95		22439.9021		539.81	26.45	0.01678116	0.0003	55.7361	0.279	1.06948922	0.009
08/30/95		21984.8031	_	540.47							0.009
08/30/95		21573.6119	ļ	_	25.79	0.01419334	0.0003	57.4759	0.284	1.05909329	 -
08/30/95					25.76	0.01409605		58.6238	0.285	1.09610895	0.009
08/30/95		21836.6365		537.63	25.4	0.01464933		54.9807	0.27	1.0503573	0.009
08/30/95		22374.2028		539.45	26.21	0.01353708	0.0003	51.9799	0.256	1.07315222	0.009
		22008.8001		536.29	25.19	0.01690003	0.0003	52.3512	0.257	0.99946794	
08/30/95		21830.6265		539.84	26.1	0.01713771	0.0003	53.8412	0.261	1.09004869	
08/30/95	14:50:36	21340.985	947.7	545.32	25.95	0.01669574	0.0003	51.4613	0.254	1.06220974	0.009

Site: Bee	f processin	g plant in Midv	vest U.S.	}	ΓÒ	 					
	ata in ppm								_	<u> </u>	
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	14:56:11	21812.7597	950.9	548.09	26.37	0.01535323	0.0003	55.2460	0.271	1.07100053	0.009
08/30/95	15:01:11	22119.6703	1047	547.18	27.97	0.01605365	0.0003	51.7234	0.255	1.18932684	0.01
08/30/95	15:06:12	21824.4864	982.6	544.65	26.44	0.01560985	0.0003	53.1496	0.259	1.10513179	0.009
Run 17			ļ								
08/30/95	17:24:51	20828.2338	1009	608.77	33.23	0.01866482	0.0004	85.1656	0.445	1.15858466	0.012
08/30/95	17:29:52	20170.1062	916.9	607.33	31.09	0.02136567	0.0004	84.9835	0.433	1.03168934	0.011
08/30/95	17:34:52	20976.8646	1102	614.73	34.9	0.02600658	0.0004	109.2478	0.615	1.27648033	0.012
08/30/95	17:39:51	20879.781	1091	623.93	36.24	0.02849482	0.0004	118.9140	0.689	1.26580593	0.013
08/30/95	17:44:52	20116.3804	994.8	617.13	33.86	0.03086779	0.0004	115.5490	0.659	1.13598009	0.012
08/30/95	17:49:52	20578.3571	1162	623.15	36.38	0.03230832	0.0004	139.0855	0.827	1.33767766	0.013
08/30/95	17:54:51	21252.2981	1275	618.41	39.85	0.0405401	0.0005	111.3352	0.608	1.48118578	0.014
08/30/95	17:59:51	21586.4681	1311	627.69	41.59	0.04401891	0.0005	136.7984	0.81	1.52199073	0.014
08/30/95	18:04:52	21841.8467	1471	641.73	45.12	0.04278232	0.0005	149.0925	0.904	1.69771119	0.016
08/30/95	18:09:51	22698.4391	1152	641.83	42.57	0.05618006	0.0005	143.2126	0.847	1.35532978	0.015
08/30/95	18:14:51	22018.4722	1074	631.76	42.05	0.06204802		122.3324	0.688	1.26577955	0.015
08/30/95	18:19:52	21496.8576	1026	627.70	41.46	0.07018332	0.0005	127.2185	0.725	1.20394859	0.014
08/30/95		22146.8378	1033	635.14	43.3	0.0805897		151.2511	0.925	1.21955318	0.015
08/30/95		21754.993	1238	642.48	45.74	0.06201505		162.0278	1.038	1.45115221	0.016
08/30/95	18:34:52	22415.872	1428	641.57	47	0.05883668		148.9967	0.902	1.66591202	0.016
08/30/95		23143.5094	1926	662.35	55.37	0.07020651		195.0728	1.321	2.14219872	0.019
08/30/95	18:44:51	22685.7916	1835	668.80	58.98	0.06946916		200.3104	1.383	2.06493431	0.02
08/30/95	18:49:52	22730.5473	1544	656.74	49.4	0.06517889	0.0006	165.8567	1.051	1.77750379	0.017
08/30/95	18:54:51	22538.2033	1390	641.89	46.72	0.05878356	0.0006	166.2740	1.07	1.61711102	0.016
08/30/95	18:59:51	23179.3942	1113	619.93	44.95	0.03287682	0.0005	120.3756	0.772	1.3049394	0.016
08/30/95	19:04:52	21097.5326	793.2	555.64	29.37	0.01724826	0.0004	47.9679	0.254	0.89455742	0.01
08/30/95		20682.5637	866.4	553.07	30.54	0.01687834	0.0004	47.8182	0.255	0.98732711	0.011
08/30/95	19:14:52	20559.3161	878.4	550.92	30.89	0.01652194	0.0004	49.1093	0.257	1.00906605	0.011
08/30/95		19999.1276	855.7	551.47	31.73	0.01593467	0.0004	44.0915	0.24	0.98014947	0.011
08/30/95		19837.8199	866.2	550.58	32.72	0.01434839	0.0004	39.8707	0.225	0.98892677	0.011
08/30/95		19647.2386	850.6	561.20	33.67	0.01333025	0.0004	38.5789	0.222	0.9831062	0.012
08/30/95		19609.0065	ĺ	547.83	33.1	0.01586776	0.0004	42.1664	0.233	1.01132034	0.012
08/30/95		19453.8269	868.1	555.95	32.95	0.01619174	0.0004	44.7227	0.245	1.00388818	0.011
08/30/95		19379.8405	890.1	551.65	34.1	0.01840304	0.0004	43.0414	0.237	1.04143459	0.012
08/30/95		19342.1724	937.8	555.57	35.4	0.01905065	0.0004	46.7607	0.252	1.11756448	0.012
08/30/95		19526.1091	1046	569.91	38.26	0.01780611	0.0005	51.2419	0.269	1:25638112	0.013
08/30/95		20192.6326	1070	556.84	38.66	0.02151886	0.0005	57.5865	0.299	1.29333844	0.013
08/30/95		19935.575	1039	564.31	39.61	0.01878078	0.0005	48.0421	0.262	1.25499788	0.014
08/30/95		19668.1988	1055	572.57	39.57	0.01780288	0.0005	46.8024	0.256	1.25947065	0.014
08/30/95		19468.47	992	569.24	38.14	0.0182519	0.0005	48.5289	0.262	1,18360794	0.013
08/30/95		19460.2037	1065	563.17	39.07	0.01747115	0.0005	46.6043	0.254	1.26168219	0.014
08/30/95		19403.8401		565.04	40.1	0.01802735	0.0005	46.9431	0.257	1.33601443	0.014
		19426.5867		570.48			0.0005	49.5348	0.264	1.33724179	0.014
08/30/95		19580.8034	1137	563.11	39.88	0.02230361	0.0005	57.0180	0.299	1.35698699	0.014
08/30/95		19710.5526		570.18	39.42	0.0258321	0.0005	74.2439	0.382	1.4008945	0.014
08/30/95		19847.8533		565.67	40.39	0.03067811	0.0005	90.8468	0.479	1.44010544	0.014
08/30/95		19904.0342		573.97	39.1	0.0268963	0.0005	91.3601	0.482	1.35583811	0.014
08/30/95		20001.2635		575.74	39.47	0.03261627	0.0005	105.5969	0.582	1.36525516	0.014
08/30/95		19722.0392	_	567.37	38.03	0.03646619	0.0005	111.8905	0.626	1.17220622	0.013
08/30/95		19190.4326		547.53	31.95	0.00747634	0.0004	34.7826	0.302	0.47397765	0.011
08/30/95		18992.4401		538.73	30.55	0.00109743	0.0004	5.3913	0.174	0.16626053	0.011
08/30/95		18952.8613		561.84	32.61	0.00769338	0.0004	59.7537	0.357	0.52128144	0.011
08/30/95		19782.3662		565.91	38.27	0.03361863	0.0005		0.57	1.13270611	0.013
08/30/95		19922.7208	1091	565.03	40.65	0.0331853	0.0005	83.7203	0.446	1.31092942	0.014
08/30/95		19915.5976		560.79	38.37	0.03643465	0.0005	92.2408	0.494	1.21046448	0.013
08/30/95		19820.088		559.29	39.13	0.04164828	0.0005	100.7490	0.551	1.20999215	0.014
08/30/95		19682.8735			39.03	0.03041004	0.0005	80.5521	0.427	1.1867602	0.014
08/30/95		19727.0329		561.21	38.73	0.0340392	0.0005	93.4318	0.503	1.15184254	0.013
08/30/95		19890.5252		558.01	37.95	0.03733922	0.0005	96.1642	0.518	1.20339594	0.013
08/30/95		19745.7746	1068	557.93	39.71	0.0452822	0.0005	102.4685	0.568	1.27862064	0.014
08/30/95		19450.6774		551.14	36.84	0.03588908	0.0004	80.0089	0.421	1.10840358	0.013
08/30/95		19455.7077		554.73	38.06	0.03087304	0.0005	84.6245	0.45	1.14733848	0.013
08/30/95	22:09:53	19368.3954	936.8	556.00	38.01	0.02904958	0.0005	79.5784	0.422	1.12361577	0.013

Site: Bee!	processin	g plant in Midw	vest U.S.								
Upwind da		 									
Date	Time	H2O		CO2		SF6		CH4		NH3	
-	· · · · · · · · · · · · · · · · · · ·	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	22:14:53	19253.6158	845.2	546.54	35.91	0.02658856	0.0004	72.0427	0.379	1.01233464	0.012
08/30/95	22:19:54	19224.7706	871.5	545.89	36.66	0.03074073	0.0004	77.2430	0.407	1.03238527	0.013
08/30/95	22:24:54	19134.9702	781.6	540.71	32.87	0.01398212	0.0004	85.7832	0.456	0.91866908	0.011
08/30/95	22:29:54	19102.2965	726.6	533.99	31.23	0.00108911	0.0004	67.0937	0.36	0.8672565	0.011
08/30/95	22:34:55	18846.8227	569.9	519.30	27.06	0.00098002	0.0003	36.2156	0.237	0.65192932	0.009
08/30/95	22:39:55	19096.6514	627.7	515.63	25.07	0.00098257	0.0003	31.1408	0.222	0.71760648	0.009
08/30/95	22:44:55	19440.0404	819.6	522.23	29.41	0.00885138	0.0004	45.1835	0.262	0.96403578	0.01
08/30/95	22:49:56	19467.5859	808.9	522.33	29.45	0.01071107	0.0004	44.6719	0.261	0.94760169	0.01
08/30/95	22:54:55	19471.9819	810.5	522.69	29.73	0.01400555	0.0004	41.7208	0.25	0.94953253	0.01
08/30/95	22:59:55	19441.9874	833.6	522.34	30.1	0.01521479	0.0004	41.9165	0.251	0.97473186	0.01
08/30/95	23:04:56	19431.0934	840	524.56	30.93	0.01739432	0.0004	43.4682	0.256	0.98819414	0.011
08/30/95	23:09:56	19462.8199	845.4	526.65	32.02	0.01695358	0.0004	42.4525	0.252	0.9990581	0.011
08/30/95	23:14:56	19467.5156	864.1	528.88	32.83	0.01563234	0.0004	41.1683	0.249	1.03195334	0.011
08/30/95	23:19:56	19476.1164	859.6	529.14	33.12	0.01594845	0.0004	42.6680	0.254	1.02343172	0.012
08/30/95	23:24:56	19545.7148	854.1	526.14	32.66	0.01746157	0.0004	46.0356	0.265	1.02259305	0.011
08/30/95	23:29:56	19490.8644	823.8	522.46	31.46	0.01581573	0.0004	47.0797	0.269	0.98024779	0.011
08/30/95	23:34:55	19502.5388	864.6	524.89	32.87	0.01929886	0.0004	48.1876	0.275	1.02959989	0.011
08/30/95	23:39:55	19572.9677	900.4	526.92	34.1	0.01992708	0.0004	49.0167	0.279	1.08401147	0.012
08/30/95	23:44:56	19544.9067	903.7	526.22	34.75	0.0197998	0.0004	48.7482	0.278	1.09225281	0.012
	23:49:56	19529.6588	875.3	525.33	34.24	0.01860651	0.0004	48.8358	0.279	1.05795989	0.012
	23:54:55	19489.0453	830.9	524.88	33.59	0.01567449	0.0004	43.5857	0.263	0.99413245	0.012
08/30/95	23:59:55	19394.9663	845.5	525.81	34.24	0.01525044	0.0004	40.0274	0.252	1.00772736	0.012
	00:04:56	19214.9935	833.6	528.20	34.71	0.01601594	0.0004	42.3514	0.257	1.00235844	0.012
	00:09:56	19124.5275	817	527.21	34.81	0.01580098	0.0004	43.2345	0.258	0.98925042	0.012
	00:14:55	19042.1446	800.2	527.09	34.82	0.01471404	0.0004	39.2730	0.247	0.96883764	0.012
08/31/95	00:19:55	19052.172		527.09	35.36	0.01427807	0.0004	36.8920	0.241	0.96524087	0.012
	00:24:56	19232.6642	808.4	527.85	35.69	0.01427807	0.0004	35.9603	0.239	0.96698476	0.012
	00:29:56	19373.4555	800.4	526.03	35.7	0.01328971	0.0004	34.7994	0.237	0.96110745	0.012
08/31/95	00:34:55	19505.227	805.9	523.97	35.15	0.014812	0.0004	37.4828	0.245	0.97062171	0.012
08/31/95	00:39:55	19613.8552		524.13	35.5	0.01490985	0.0004	37.9350	0.246	0.97164346	0.012
	00:44:55	19716.2652		524.78	36.01	0.01534518	0.0004	40.2069	0.254	0.97904397	0.013
$\overline{}$	00:49:56	19809.5438	811.7	527.30	37.54	0.01447183	0.0004	38.8394	0.251	0.98332288	0.013
08/31/95	00:54:56	19869.5905		526.47	37.87	0.01511343	0.0005	39.9531	0.256	0.99444178	0.013
08/31/95	00:59:56	19868.235	822.5	523.48	37.32	0.01662014	0.0004	42.7257	0.265	0.99851185	0.013
08/31/95 08/31/95	01:04:57 01:09:57	19845.3746 19843.1541		522.76 522.69	36.51	0.01660773	0.0004	42.9247	0.266	0.96997855	0.013
	01:14:56	19810.9496	816.7	522.20	37.2	0.01648995	0.0004	46.7351	0.28	0.99232586	0.013
	01:14:56	19776.9414	827.8		37.23	0.01723332	0.0004	49.3387	0.289	1.00625257	0.013
	01:19:56			524.79 526.18	37.88 38.43	0.01756168	0.0005	46.8950	0:283	0.98865736	0.013
08/31/95	01:29:57	19732.2824 19711.3484		526.06		0.0174598	0.0005	44.8530	0.275		0.013
08/31/95	01:34:57	19692.272	816.2 812.1	525.65	38.99 38.64	0.01778846	0.0005	46.2201	0.278	1.00016697	0.014
						0.01702283		47.5152		0.98775795	
08/31/95 08/31/95		19612.6876 19566.2517		527.17 527.37	_38.79 39.01	0.0164807 0.01583311	0.0005	44.7930	0.276	0.97084354 0.97243481	0.013
08/31/95		19576.4164		527.80	39.47	0.01583311	0.0005	45.2664 41.3705	0.278	0.96849484	0.014
08/31/95		19541.8513		526.94	38.81	0.01661226	0.0005	43.3594	0.200	0.97221792	0.014
08/31/95		19479.6493		527.06	38.96	0.01724291	0.0005	44.6769	0.271	0.95826616	0.013
08/31/95		19456.6034	i	526.31	38.29	0.01009755	0.0005	45.0815	0.275	0.96675947	0.013
08/31/95		19462.3011		522.72	38.04	0.01712806	0.0005	40.6163	0.273	0.93278613	0.013
08/31/95		19475.9162		524.55	38.51	0.01377264		39.2911	0.257	0.93263515	0.013
08/31/95		19480.1914		527.60	39.56	0.01377204	0.0005	39.2964	0.258	0.95392913	0.013
08/31/95		19459.8556		528.69	40.43	0.01528516	0.0005	39.4790	0.259	0.95396763	0.014
08/31/95		19486.4149		528.15	40.43	0.01550197	-	40.1766	0.262	0.96361571	0.014
08/31/95		19408.0883		531.29	41,12	0.01550487		39.9937	0.261	0.97789121	0.014
08/31/95		19549.3985		528.26	40.71	0.01330487	0.0005	40.7105	0.265	0.99711298	0.014
08/31/95		19534.7197		530.66	41.43	0.01712165	0.0005	43.1731	0.272		+
08/31/95		19552.8433		528.61	41.01	0.01712103	0.0005	42.5117	0.27		0.014
08/31/95		19527.7182		530.02	41.65	0.0182018	0.0005	45.8832	0.28	1.02304833	0.014
Run 18	. 2.3 ,.00	1002711102	550.3	J-50.02	71.00	0.0102010	0.0000	73.0032	0.20	1.02417040	1 0.014
08/31/95	10:19:55	20603.8839	544 7	558.85	39.59	0.00119739	0.0005	79.5674	0.437	0.62568945	0.014
08/31/95		20726.9312		556.76	38.62	0.00119739	0.0005	64.3130	0.356	0.57027111	0.013
08/31/95		20472.7448		548.68	35.37	0.00119828	0.0004	66.2431	0.359	+	
08/31/95		20431.3284		555.63	37.91	0.00108993	0.0004	63.0195	0.335	0.55977736	+
		20.701.0204	VV/.U		01.01	0.00113303	0.0003	03.0193	J.575	1.50377700	J.010

Site: Boo	forocessin	g plant in Midv	ect II S	T	T -		T				
	ita in ppm	ig plant in Midw	10.3.	 	ļ	_	 	<u> </u>			-
Date	Time	H2O	-	CO2	 -	SF6	 -	CH4		NH3	-
	111110	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/31/95	10:39:56	21246.8281	428.8	552.65	38.17	0.00120117	0.0005	34.8967	0.249	0.45000169	0.013
	10:44:56	21417.7423	380	545.19	35.58	0.00120206	0.0004	22.1039	0.219	0.35285898	0.012
08/31/95		20884.5198	361.9	539.00	33.9	0.0010942	0.0004	18.5660	0.201	0.29685592	0.012
	10:54:55	21207.2124	423.4	535.68	31.51	0.00109501	0.0004	31.5192	0.237	0.41106549	0.011
	10:59:55	21123.1823	499.3	537.53	31.14	0.00109521	0.0004	47.4957	0.285	0.51551477	0.011
	11:04:56	21336.962	476.4	538.72	30.64	0.00098587	0.0004	46.5734	0.269	0.47354615	0.011
08/31/95	11:09:56	22056.2127	486.8	534.94	30.66	0.00098496	0.0004	38.9365	0.259	0.50090696	0.011
	11:14:55	22095.2292	358.4	538.27	31.6	0.00109561	0.0004	11.8078	0.191	0.28354467	0.011
08/31/95	11:19:55	22190.4436	325.1	543.72	32.56	0.00109622	0.0004	3.8757	0.182	0.19666179	0.011
08/31/95	11:24:56	21967.686	333.2	546.35	33.13	0.00109642	0.0004	6.5739	0.185	0.20327658	0.012
08/31/95	11:29:56	22054.2155	320.6	544.46	32.78	0.00109703	0.0004	3.1471	0.18	0.16565125	0.011
08/31/95	11:34:56	22410.3	375.7	554.85	34.32	0.00109763	0.0004	15.1211	0.203	0.3065694	0.012
08/31/95	11:39:56	22074.2816	494.7	542.28	32.77	0.00109662	0.0004	20.3046	0.205	0.49172638	0.011
08/31/95	11:44:57	22325.8473	572.8	543.71	32.7	0.00109662	0.0004	32.3255	0.234	0.60742026	0.011
08/31/95	11:49:57	21918.389	620.5	542.58	31.88	0.00098751	0.0004	47.4387	0.284	0.6645926	0.011
08/31/95	11:54:57	22120.771	632.1	539.46	31.13	0.00098842	0.0004	39.6879	0.26	0.67223334	0.011
	11:59:56	22315.6103	604.1	534.04	29.45	0.00098896	0.0004	31.8541	0.23	0.62645283	0.01
08/31/95		21969.0896	638.9	538.63	29.47	0.00098933	0.0004	47.8293	0.277	0.67142278	0.01
08/31/95	12:09:58	22050.9343	569	536.19	28.62	0.00088134	0.0003	26.0975	0.22	0.57099887	0.01
	12:14:57	21971.7887	748.7	551.23	32.23	0.00099024	0.0004	59.8879	0.321	0.83212802	0.011
08/31/95		21963.7899		533.27	28.01	0.00088053	0.0003	35.3136	0.232	0.67349752	0.01
08/31/95	12:24:58	21590.9702		533.85	27.44	0.00088166	0.0003	28.9992	0.214	0.65452564	0.01
	12:29:58	21596.0596	708.1	538.20	28.44	0.00088086	0.0003	47.4992	0.266	0.75995862	0.01
	12:34:58	22700.2895	779.4	542.58	30.73	0.00088134	0.0004	48.6361	0.272	0.86768136	0.011
	12:39:57	22866.3211	809.5	541.57	30.81	0.0008815	0.0004	58.6469	0.312	0.90254979	0.011
	12:44:58	22383.313	835.1	541.88	30.09	0.00088183	0.0004	59.8057	0.312	0.9282335	0.01
_	12:49:57	22654.845	773.7	538.88	29.62	0.00088215	0.0004	52.6438	0.284	0.84476964	0.01
	12:54:57	22893.2567	799.3	544.60	30.63	0.00088247	0.0004	56.6373	0.303	0.87486289	0.011
	12:59:58	22764.2384		539.27	29.08	0.00088296	0.0003	48.6988	0.27	0.81684781	0.01
	13:04:58	22698.9619	_	534.47	27.73	0.00088361	0.0003	34.2210	0.23	0.65453136	0.01
08/31/95		23049.0687		545.31	31.06	0.00088344	0.0004	49.9095	0.277	0.88697834	0.011
	13:14:57	22777.4924		544.63	30.12	0.00088361	0.0004	53.5522	0.286	0.87388662	0.01
	13:19:58	22722.6359	826.5	548.29	30.49	0.00088344	0.0004	64.6798	0.339	0.89956743	0.011
	13:24:58	23437.133		551.39	31.59	0.00088523	0.0004	53.7450	0.286	0.94564268	0.011
	13:29:58	22950.62	825.8	543.35	29.62	0.00077401	0.0004	54.0976	0.285	0.88468944	0.01
	13:34:58	23452.9564		544.86	30.41	0.00088523	0.0004	52.7330	0.28	0.90691404	0.011
	13:39:59	23653.12		541.33	30	0.00088506	0.0004	47.1832	0.26	0.86282698	0.01
	13:44:59	23160.9939		544.99	29.85	0.0008849	0.0004	56.0303	0.296	0.89242411	0.01
	13:49:58	23888.2663		541.43	30.01	0.00077457	0.0004	48.8371	0.269	0.87880811	0.01
	13:54:59	24167.6306	814.9	541.83	29.47	0.000775	0.0004	48.5579	0.274	0.84541148	0.01
	13:59:59	24097.3499	874.7	546.67	31.02	0.00077542	0.0004	52.8718	0.284	0.9332759	0.011
08/31/95		24183.9203		549.08	31.34			43.9212	0.249		0.011
08/31/95		23810.3693		560.90	33.97	0.00088733		50.5174	0.27	1.03662231	0.012
08/31/95		23569.3485		554.91	31.52	0.00088733	0.0004	60.1236	0.318	0.96430498	0.011
08/31/95		23851.9321		552.98	31.7	0.00077712	0.0004	52.7581	0.28	0.98494909	0.011
08/31/95		23425.4991		561.62	33.11	0.00088847	0.0004	52.5476	0.277	1.05083237	0.012
	14:30:00	22673.2571		553.76	31.13	0.00088814	0.0004	45.9696	0.248	0.95652856	0.011
	14:35:00	22793.1339		556.73	31.44	0.00088847	0.0004	49.4167	0.262	0.98919509	0.011
	14:39:59	22817.9916		554.60	31.33	0.00088879	0.0004	45.1050	0.246	0.96655806	0.011
	14:44:59 14:50:00	23387.7762		563.70	32.76	0.00088911	0.0004	59.2359	0.309	1.01658924	0.011
		22816.4505		561.24	32.2	0.00088927	0.0004	49.7295	0.27	0.96886462	0.011
08/31/95 08/31/95		22904.6547		562.68	31.64 31.57	0.00077826	0.0004	61.1951	0.322	0.98382782	0.011
		22969.8059		560.34		0.00088944	0.0004	53.5393	0.28	0.95825653	0.011
08/31/95 08/31/95		22861.4661 23180.5626		567.10	34.06	0.00089009	-	43.3933	0.239	1.03928904	0.012
08/31/95				566.99	33.08	0.00089009		50.9031	0.267	1.01659179	0.011
		22789.5827		570.85	34.47	0.00089074	-	44.1484	0.239	0.00055400	0.012
	15:19:59	22321.0242		564.58	32	0.00089139	 -	42.9706	0.234	0.99055492	0.011
08/31/95		21466.0715		564.69	31.91	0.00089155		43.3331	0.232	1.01112911	0.011
08/31/95		21702.4009		562.91	30.99	0.00089139	0.0004	47.7869	0.253	0.98877215	0.011
08/31/95		21705.6059		565.01	32.34	0.00078025	0.0004	40.2284	0.222	1.05266593	0.011
08/31/95		21601.8747		574.25	33.75	0.00089204	0.0004	50.1796	0.257	1.08661117	0.012
08/31/95	10:45:01	21447.2524	959.9	574.09	33.26	0.00089301	0.0004	45.1734	_ 0.239	1.06859525	0.012

Site: Beef	processin	g plant in Midw	est U.S.								
Upwind da	ta in ppm										
Date	Time	H2O		CO2		SF6_		CH4		NH3	
		ррт	95% CI	ppm	95% CI		95% CI	ppm	95% CI	ppm	95% CI
08/31/95	15:50:01	21483.7639		575.77	33.65	0.00089285	0.0004	48.6944	0.251	1.07621384	0.012
08/31/95	15:55:02	21681.948		575.67	33.06	0.00089268	0.0004	54.6069	0.275	1.04745273	0.011
	16:00:01	21242.3607		572.54	31.79	0.00089285	0.0004	56.6019	0.285	1.01817887	0.011
08/31/95		21459.308		571.86	31.51	0.00089301	0.0004	55.1048	0.282	0.98532228	0.011
08/31/95	16:10:02	22056.0902	950.3	576.29	33.4	0.00089382	0.0004	49.0160	0.255	1.04890139	0.012
$\overline{}$	16:15:01	21438.9921		575.10	32.34	0.00089301	0.0004	57.6301	0.286	1.03164706	0.011
	16:20:01	21788.4374		570.82	31.95	0.00089366	0.0004	50.4189	0.258	1.02580477	0.011
08/31/95	16:25:02	21632.7634	895.1	568.35	30.95	0.00089399	0.0004	48.5688	0.249	0.96919161	0.011
	16:30:02	21650.152		563.91	30.18	0.0008935	0.0004	52.2754	0.261	0.9965865	0.01
	16:35:03	21335.3098		576.05	31.64	0.00089431	0.0004	65.4753	0.326	1.04198195	0.011
<u> </u>	16:40:03	21278.6899		573.48	32.23	0.00089415	0.0004	54.0001	0.272	1.04816397	0.011
	16:45:02	21063.6634	895.1	566.32	29.84	0.00089431	0.0004	56.6671	0.284	0.98128072	0.01
08/31/95	16:50:02	21069.73		569.88	29.98	0.00089463	0.0004	159.0904	0.29	0.96743397	0.01
	16:55:03	21091.7773		569.43	29.91	0.0008948	0.0004	57.5522	0.287	0.95832568	0.01
08/31/95		20536.5568	908.9	571.55	30.47	0.00078295	0.0004	62.0809	0.306	1.00642092	0.011
	17:05:02	20508.4826	911.1	574.23	31.05	0.0008948	0.0004	59.8644	0.293	1.01480962	0.011
08/31/95	17:10:03	20336.2426		562.95	28.2	0.00089463	0.0003	56.5364	0.278	0.91453878	0.01
	17:15:02	20498.0806		571.44	29.76	0.0008948	0.0004	60.6991	0.3	0.97588603	0.01
	17:20:02	20926.365	899.3	584.31	33.26	0.00089463	0.0004	56.2202	0.283	0.98991163	0.012
	17:25:03	20856.608		573.92	30.09	0.00089447	0.0004	54.5659	0.275	0.8960365	0.01
08/31/95		21571.4022	913.7	590.24	34.19	0.00100628	0.0004	64.2606	0.321	1.01701372	0.012
08/31/95		21485.7436		589.90	33.94	0.00100665	0.0004	62.4312	0.316	0.95475292	0.012
	17:40:03	21562.8995		597.05	35.4	0.00100702	0.0004	60.8748	0.305	0.99772915	0.012
	17:45:03	21548.1148	945.6	605.55	37.5	0.00111911	0.0004	65.3067	0.328	1.05610349	0.013
08/31/95		22019.3807		594.71	35.28	0.00100665	0.0004	61.0619	0.309	0.96985269	0.012
	17:55:03	22149.6112		584.55	34.47	0.0010061	0.0004	51.7944	0.269	0.94909179	0.012
08/31/95		22510.268		572.19	32.51	0.00100483	0.0004	50.4460	0.263	0.92343691	0.011
	18:05:02	22497.4109		567.19	31.24	0.00089286	0.0004	46.2003	0.249	0.87142771	0.011
	18:10:02	22415.6765	864.7	570.98	32.58	0.00100465	0.0004	47.7143	0.254	0.94515397	0.011
08/31/95		22272.0696		576.24	33.21	0.00100429	0.0004	45.5685	0.246	0.9115577	0.012
	18:20:02	21708.0036	_	596.80	38.55	0.00111344	0.0005	48.4732	0.258	0.96846708	0.013
	18:25:02	21716.3355	873.1	600.15	40.41	0.00122344	0.0005	52.8552	0.276	0.99310204	0.014
08/31/95		21444.538		599.39	40	0.00122256	0.0005	54.4440	0.282	1.00338583	0.014
	18:35:02	21336.8265		597.28	39.33	0.00122167	0.0005	59.6216	0.305	0.99188106	0.014
08/31/95		21415.9675	879.7	600.51	39.94	0.00122122	0.0005	70.4097	0.359	1.00839407	0.014
08/31/95		21602.3154		603.73	40.97	0.0012201	0.0005	79.7890	0.409	1.05982329	0.014
08/31/95		21709.0071	902.7	603.62	40.98	0.00121921	0.0005	81.2079	0.417	1.05450462	0.014
08/31/95		21703.6189	918.1	605.17	40.93	0.00121876	0.0005	87.6793	0.459	1.07650003	0.014
	19:00:04	21804.5548		605.73	41.59	0.00121832	0.0005	87.0369	0.453	1.09604243	0.014
08/31/95		22062.5211	971.5	607.61	42.34	0.00121743	0.0005	103.2661	0.552	1.15434094	0.015
08/31/95		22111.3486		603.40	41.37	0.00110533	0.0005	119.6655	0.676	1.19817749	0.014
08/31/95		22235.014		599.31					 	1.19531207	,
08/31/95		22262.308		594.01		0.00110412			0.487	1.15932269	+
08/31/95		22198.5256		584.20	39.65	0.00110331	0.0005	87.5332	0.459	1.12757918	0.014
08/31/95		22058.2453		586.41	39.96	0.0011029	0.0005		0.454	1.13819408	0.014
08/31/95		21967.1457		594.68	40.36	0.0011029	0.0005	116.6706	0.659	1.17789852	0.014
08/31/95		21839.167		594.80	40.92	0.0011027	0.0005	112.4178	0.628	1.22068739	0.014
		21830.4805		593.59	41.07	0.00110229	 _	101.6495	0.554	1.24008011	0.014
08/31/95		21767.6164		589.62	39.96	0.00110209	0.0005	97.8065	0.528	1.17152255	0.014
08/31/95	19:55:04	21922.5525	1013	593.04	40.49	0.00110169	0.0005	107.1769	0.592	1.21846431	0.014
Run 19	00 :=	<u> </u>		-	<u>-</u>		<u> </u>	ļ. <u></u> .	<u> </u>	 	
08/31/95		21432.2543		491.60	29.9	0.03465961	0.0004	82.7038	0.421	1.09408114	
08/31/95		21445.7919		492.55	30.8	0.03814125	0.0004	89.7078	0.464	1.11245298	
08/31/95		21381.9767		485.81	31.43	0.03658653	0.0004	86.8326	0.444	1.13374416	
08/31/95		21218.1393		480.49	31.53	0.03416399	0.0004	78.9996	0.397	1.11251978	0.011
08/31/95		21038.0195		478.14	30.45	0.03176674	0.0004	75.2237	0.377	1.04063474	+
08/31/95		21014.0302		478.14	30.22	0.03067134	0.0004	77.9479	0.394	1.02409412	
08/31/95		21000.1254		477.68	30.47	0.03075811	0.0004	75.0682	0.377	1.04829323	
08/31/95		20890.0057		475.34	30.53	0.02975644	0.0004	71.3519	0.36	1.07965555	
08/31/95		20695.276		472.16	29.93	0.02767787	0.0004	70.2668	0.353	1.06215176	
08/31/95		20463.7884		470.85	29.43	0.02778726	0.0004	67.5199	0.34	1.02101786	0.01
108/31/95 أ	21:39:54	20304.9484	875	468.71	29.1	0.02550405	0.0003	66.4558	0.333	1.00045945	0.01

Site: Beel	processin	g plant in Midw	est U.S.		_						
Upwind da	ta in ppm	у раска пада		i	-		_				-
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/31/95	21:44:54	20193.7111	857.7	468.34	29.24	0.02691211	0.0003	70.5625	0.354	0.98973121	0.01
08/31/95	21:49:55	20072.9392	834.9	468.95	29.13	0.02799055	0.0003	70.4811	0.356	0.97857574	0.01
08/31/95	21:54:55	20090.634	839.4	468.25	29.48	0.02775644	0.0004	70.7233	0.354	0.98688342	0.01
08/31/95	21:59:54	20119.9851	853.4	468.48	29.94	0.03043194	0.0004	72.5650	0.365	1.00152718	0.01
08/31/95	22:04:54	20073.1977	856.5	467.50	29.97	0.02953191	0.0004	69.1260	0.349	1.00288617	0.01
	22:09:55	20037.1321	849.9	467.61	29.88	0.02830688	0.0004	71.1493	0.358	0.99945052	0.01
	22:14:55	20044.9337	855.6	468.04	30.19	0.02915073	0.0004	72.7154	0.367	0.99841249	0.01
	22:19:54	20117.2911	878.4	467.19	31.1	0.03270362	0.0004	71.8742	0.363	1.02261294	0.011
	22:24:55	20159.3628	861.2	467.91	30.96	0.03062215	0.0004	66.8540	0.338	1.00216948	0.011
	22:29:55	20113.404	853.7	466.48	30.03	0.02539092	0.0004	60.2129	0.31	0.99111383	0.01
	22:34:54	19962.3198	837.7	463.18	28.96	0.02019005	0.0003	56.0012	0.293	0.97140216	0.01
	22:39:55	19823.4996	817.5	461.16	28.22	0.01900665	0.0003	54.3881	0.286	0.95196155	0.01
	22:44:56	19791.5838	837.9	462.06	28.3	0.02042991	0.0003	58.4732	0.303	0.9672693	0.01
	22:49:56	19724.3354	867.8	461.54	28.37	0.02162125	0.0003	58.6380	0.307	1.01261316	0.01
	22:54:55	19609.8188	875.9	459.59	28.72	0.02227314	0.0003	58.4083	0.303	1.02510785	0.01
	22:59:55	19482.5903	873 877.3	456.33 456.42	29.22	0.02390289	0.0003	66.3650	0.336	1.02815003	0.01 0.01
	23:04:55 23:09:56	19433.2952 19338.33	875	455.08	29.18 29.82	0.02529656 0.02788661	0.0003	73.5952 77.1278	0.373	1.02825631	0.01
	23:14:55	19329.8611	904.3	454.85	30.33	0.02788881	0.0004	80.2171	0.409	1.0225812 1.0503344	0.01
	23:19:56	19276.8257	903.6	454.85	30.33	0.02992591	0.0004	75.5073	0.409	1.0303344	0.01
	23:24:56	19265.1807	884.2	454.32	30.07	0.02750452	0.0004	74.6020	0.38	1.0271962	0.01
	23:29:55	19257.0162	902	455.02	30.85	0.02730432	0.0004	83.7831	0.431	1.05328204	0.01
-	23:34:55	19223.283	926.4	456.93	31.39	0.03319392	0.0004	85.4621	0.443	1.08231657	0.011
	23:39:56	19209.6752	963.1	456.89	31.95	0.03479622	0.0004	90.7255	0.476	1.12709498	0.011
	23:44:56	19199.4092	962.2	459.92	31.68	0.03555266	0.0004	93.9211	0.497	1.13249812	0.011
	23:49:55	19181.3539	914.5	458.64	29.97	0.02973954	0.0004	77.5939	0.401	1.07019083	0.01
	23:54:55	19232.2835	928.8	460.30	29.08	0.02685982	0.0003	65.3148	0.34	1.09388798	0.01
08/31/95	23:59:56	19230.2045	940.8	461.30	29.17	0.02512223	0.0003	65.2063	0.338	1.11100918	0.01
09/01/95	00:04:56	19214,1155	942	459.52	29.68	0.02651507	0.0004	69.2067	0.356	1.11038603	0.01
09/01/95	00:09:56	19197.1193	964.5	461.91	29.98	0.02778791	0.0004	70.2696	0.362	1.13962859	0.01
09/01/95	00:14:57	19156.8386	966.4	460.35	29.56	0.02507072	0.0004	66.2410	0.344	1.13898868	0.01
09/01/95	00:19:57	19146.5219	980.4	462.44	29.33	0.0222526	0.0003	67.6090	0.352	1.15799913	0.01
	00:24:57	19131.6287	1010	463.93	29.75	0.02331533	0.0004	70.0673	0.365	1.19383107	0.01
	00:29:56	19046.8577	1013	462.05	29.95	0.02427313	0.0004	65.5109	0.345	1.19423814	0.01
	00:34:56	18982.4334	1010	461.71	30.16	0.02479391	0.0004	64.3939	0.34	1.1901077	0.01
	00:39:57	18941.9978	1023	462.54	30.23	0.02380582	0.0004	69.0353	0.362	1.20644865	0.011
	00:44:57	18965.7931	1022	463.21	30.08	0.02520142	0.0004	71.9283	0.377	1.20191397	0.01
	00:49:56	18990.6052	1023	464.66	30.04	0.02500012	0.0004	70.9087	0.372	1.21444528	0.01
	00:54:56	19043.4925	997	462.31	29.83	0.02370255	0.0004	70.8397	0.37	1.18405023	0.01
	00:59:57	19065.092	1015	461.94	30.08	0.02433544	0.0004	70.5082	0.368	1.20708075	0.01
	01:04:57	19058.2284	1003	461.17	29.68	0.02412461	0.0004	70.9389	0.371	1.19761469	0.01
09/01/95		19059.142		458.97	29.97			68.2187	0.358		0.01
09/01/95		19083.4895		457.37	29.34	0.02361271	0.0004	66.1059	0.347	1.16122774	0.01
09/01/95		19101.1986		456.38	29.75	0.02426419	0.0004	70.1411	0.366	1.20350363	0:01
09/01/95		19067.4876 19068.6557		454.94 457.59	30.95	0.02726837	0.0004	74.7887	0.389	1.24809371	0.011
09/01/95		18984.1136		457.59	31.67 31.55	0.02927215 0.02947075	0.0004	82.2660 88.2099	0.432	1.29034236	0.011
09/01/95		18873.8671		459.59	31.55	0.02947075	0.0004	91.0940	0.486	1.23583566	0.011
09/01/95		18828.2064		461.68	31.31	0.02904052	0.0004	88.2357	0.466	1.24290655	0.011
09/01/95		18815.501		461.53	31.65	0.03065412	0.0004	88.9698	0.466	1.24290655	0.011
09/01/95		18678.5073		458.33	31.11	0.03063412	0.0004	89.7136	0.471	1.24314041	0.011
09/01/95		18616.1955		458.41	31.22	0.03076168	0.0004	84.8852	0.448	1.23799636	0.011
09/01/95		18594.3611		457.45	31.23	0.03086924	0.0004	90.4046	0.481	1.25413011	0.011
09/01/95		18525.5436		456.52	30.74	0.030105		85.5911	0.451	1.22785405	0.011
09/01/95		18487.32		457.14	30.73	0.02976003	0.0004	91.0506	0.486	1.22907867	0.011
09/01/95		18464.6475		456.47	31.33	0.03094742	0.0004	90.4508	0.481	1.24649319	0.011
09/01/95		18412.5454		456.22	31.84	0.03329263	0.0004	94.4056	0.507	1.26404617	0.011
09/01/95		18409.2162		449.88	30.79	0.02803025		88.8644	0.473	1.23290145	0.011
09/01/95		18491.9196		449.39	30.84	0.02705349	0.0004	91.4804	0.487	1.22599548	0.011
09/01/95		18427.7887		452.10	30.56	0.02809523	0.0004	92.5671	0.495	1.21388542	0.011
09/01/95		18426.6794		450.02	30.61	0.02743628	0.0004	98.0099	0.53	1.21426988	0.011
09/01/95		18467.3579		446.31	30.14	0.02723736	0.0004	90.2634	0.48	1.1377495	0.01
			!								

Site: Beef	processing	g plant in Midw	est U.S.						-		
Upwind dat											
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/01/95	02:55:00	18522.4005	949.2	446.00	28.73	0.02210682	0.0003	80.4762	0.423	1.11929175	0.01
09/01/95	02:59:59	18490.4207	952.5	442.89	29.48	0.02393117	0.0004	77.5927	0.406	1.12358434	0.01
09/01/95	03:04:59	18375.4587	893.2	443.09	28.52	0.02294801	0.0003	77.7746	0.409	1.05185531	0.01
09/01/95	03:09:59	18411.3381	960.9	443.22	29.79	0.02423024	0.0004	78.6521	0.413	1.13753478	0.01
09/01/95	03:15:00	18511.0634	1055	447.03	30.17	0.02284509	0.0004	79.8041	0.421	1.24950831	0.01
-	03:20:00	18468.9664	1053	445.34	29.81	0.01705016	0.0004	82.4733	0.435	1.2482002	0.01
	03:24:59	18491.9145	1088	446.74	29.42	0.01125954	0.0004	85.1194	0.451	1.28144265	0.01
	03:29:59	18486.7723	1122	445.40	29.48	0.00568553	0.0004	85.2093	0.452	1.31947229	0.01
	03:34:59	18473.6796	1117	452.01	28.71	0.00139509	0.0003	93.0054	0.503	1.31245811	0.01
	03:40:00	18411.0079	1118	450.94	29.22	0	0.0003	103.6277	0.57	1.31245811	0.01
	03:45:00	18319.6391	1091	451.20	28.9	0	0.0003	104.4672	0.577	1.2862173	0.01
-	03:49:59	18135.4697	1018	454.13	28.15	0	0.0003	126.7537	0.747	1.20101738	0.01
	03:54:59	18065.9164	1035	455.14	28.3	0	0.0003	128.1757	0.753	1.2187869	0.01
	04:00:00	18023.0391	1032	454.61	28.22	0	0.0003	129.7467	0.766	1.2155711	0.01
	04:05:00	17852.7231	942.8	452.98	27.54	0	0.0003	139.1301	0.839	1.11182534	0.01
	04:10:00	17837.3557	879.5	454.93	26.23	0	0.0003	144.8663	0.891	1.03643667	0.009
	04:14:59	18017.4845	1066	452.46	28.5	Ö	0.0003	139.4313	0.848	1.25726044	0.01
	04:19:59	18092.4305	1158	457.35	29.18	0	0.0003	130.5406	0.774	1.3595115	0.01
	04:25:00	18098.5531	1237	457.28	30.5	0	0.0004	126.7935	0.742	1.44038781	0.011
	04:30:00	17879.1534	1092	456.92	29.04	0	0.0003	123.4034	0.716	1.28223518	0.01
	04:35:00	17935.0124	1129	463.29	29.01	- 0	0.0003	131.8387	0.786	1.32322637	0.01
	04:39:59	17990.1676	1168	459.83	29.42	0	0.0003	116,7710	0.765	1.36867171	0.01
	04:44:59	17917.3622	1160	461.15	29.25	Ö	0.0003	112.5107	0.639	1.35424785	0.01
	04:50:00	17963.0134	1193	461.88	29.65	0	0.0004	116.9982	0.672	1.39195085	0.01
	04:55:00	17953.081	1162	456.90	29.34	0	0.0004	117.7045	0.676	1.36169578	0.01
	05:00:00	17921.929	1155	460.96	28.91	0	0.0003	119.9909	0.693	1.35313165	0.01
	05:04:59	17912.5846	1145	460.68	28.85	0	0.0003	123.3168	0.721	1.34512927	0.01
	05:09:59	17834.0894	1114	456.21	28.48	- 0	0.0003	104.1308	0.582	1.31063781	0.01
	05:15:00	17758.7875	1106	458.50	28.47	0	0.0003	107.6591	0.607	1.29944695	0.01
	05:20:00	17779.3219	1144	456.25	28.9		0.0003	108.0100	0.609	1.33901859	0.01
	05:25:00	17778.0865	1122	452.70	28.67	0	0.0003	101.4136	0.564	1.31573843	0.01
	05:29:59	177734.0819	1106	451.65	28.59		0.0003	99.6711	0.551	1.30051645	0.01
	05:34:59	17685,4947	1111	455.31	28.72	- 0	0.0003	103.9962	0.58	1.30454757	0.01
	05:40:00	17660.0172	1101	454.69	28.65	0	0.0003	109.8495	0.622	1.29360968	0.01
	05:45:00	17696.1878	1134	452.74	29.05	0	0.0003	102.6234	0.572	1.3302108	0.01
	05:50:00	17639.0629	1128	461.10	28.24	0	0.0003	104.7477	0.585	1.32782084	0.01
	05:54:59	17599.6828	1121	462.00	28.06	- 0	0.0003	107,2274	0.603	1.31342511	0.01
	05:59:59	17621.1635	1153	460.82	28.54	- 0	0.0003	104.1486	0.582	1.35082941	0.01
_	06:05:00	17553.1829	1152	463.83	28.41	0	0.0003	99.2632	0.548	1.34950511	0.01
	06:10:00										─ ─
	06:15:00	17479.9873	1132	465.08	28.13	0	0.0003	99.4865	0.552	1.32285833	0.01
-		17375.9432	1097	465.26	27.86	0	0.0003	99.9633	0.554	1.28664854	0.01
09/01/95 (17347.687		463.25	27.64	0		95.0464	0.522	1.28000446	0.01
09/01/95		17353.1852	1068		27.44	0	0.0003	93,5097	0.512	1.25618563	0.01
09/01/95		17353.9138	1051	465.63	27.2	0	0.0003	96.1532	0.53		0.009
09/01/95		17343.7932	1092		27.7	0		99,5084	0.553	1.27432935	0.01
09/01/95		17287.233	1097	471.59	27.81	0	0.0003	114.8698	0.66	1.27762867	0.01
09/01/95		17251.4619	1041	461.93	27.26	0	0.0003	98.7994	0.547	1.21637816	0.009
09/01/95		17311.1614	1081	460.65	27.78	0	0.0003	107.0545	0.604	1.26541707	0.01
09/01/95		17353.3874	1135	465.04	28.46	0	0.0003	111.2005	0.632	1.32060162	0.01
09/01/95		17322.3986	1126		28.37	0	0.0003	114.5135	0.656	1.30944557	0.01
09/01/95		17409.1267	1198	470.40	29.16	0	0.0003	113,7262	0.65	1.38722386	0.01
09/01/95		17386.3189	1153		28.56	0	0.0003	112.0661	0.639	1.34323969	0.01
09/01/95		17398.4694		466.06	28.65	0	0.0003		0.689	1.35415734	0.01
09/01/95		17260.8146	1105	468.30	28	0	0.0003	120.3754	0.701	1.29231394	0.01
09/01/95		17094.4828	1108		28.05	0		127.2431	0.755	1.28766182	0.01
09/01/95		17190.9068	1165		28.73	0	0.0003	125.1417	0.738	1.35237377	0.01
09/01/95		17243.9112	1132	469.05	28.24	0	0.0003	· · · · · · · · · · · · · · · · · · ·	0.756	1.32067879	0.01
09/01/95		17294.4249	1157	467.17	28.43	0	0.0003	127.7695	0.759	1.35152664	0.01
	07:45:01	17124.2584	1049	465.80	27.24	0	0.0003	124.0035	0.732	1.23084936	0.009
09/01/95									,		
09/01/95	07:50:02	17210.8604	1107	472.93	27.74	0	0.0003	142.3737	0.88	1.29503539	0.01
	07:50:02 07:55:01		1107 1067	472.93 472.57	27.74 27.15	0		142.3737 149.2101	0.88		0.009

Site: Bee	processin	g plant in Midv	vest U.S.	ļ .	1		<u> </u>				
Upwind da	ta in ppm						1				
Date	Time	H2O		CO2	1	SF6		CH4		NH3_	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/01/95	08:05:01	17475.5804	1134	470.73	27.7	0	0.0003	125.0226	0.738	1.33380182	0.01
09/01/95	08:10:02	17347.889	998.7	467.04	26.14	0	0.0003	123.3842	0.725	1.17748996	0.009
09/01/95	08:15:02	17449.3611	1033	469.08	26.35	0	0.0003	118.0772	0.683	1.22344806	0.009
09/01/95	08:20:01	17451.6904	929.8	470.75	25.25	0	0.0003	118.2156	0.683	1.10098558	0.009
09/01/95	08:25:01	17457.2488	779.8	477.38	23.79	0.00619972	0.0003	112.4125	0.638	0.91071817	0.008
09/01/95	08:30:01	17704.9742	842.2	489.49	27.89	0.03413074	0.0003	114.4825	0.657	0.9925733	0.01
09/01/95	08:35:02	17885.7269	839.3	494.63	26.94	0.03128917	0.0003	109.6252	0.622	0.99225253	0.009
09/01/95	08:40:02	18089.4103	790	493.82	24.68	0.01919534	0.0003	103.6430	0.577	0.93210001	0.009
09/01/95	08:45:02	18426.1804	722.1	502.64	24.09	0.02007969	0.0003	80.6950	0.446	0.84635377	0.008
09/01/95	08:50:02	18692.8453	800.6	514.60	25.97	0.02762733	0.0003	92.7817	0.508	0.95061667	0.009
09/01/95	08:55:03	18508.7852	692.5	507.88	23.28	0.01740194	0.0003	81.9133	0.448	0.80757874	0.008
09/01/95	09:00:06	18582.6307	729.1	506.92	24.55	0.02276862	0.0003	84.3701	0.458	0.85607863	0.009
09/01/95	09:05:02	18923.2586	846.1	510.63	24.8	0.01999504	0.0003	92.4580	0.505	1.00437428	0.009
09/01/95	09:10:02	18634.2215	754.3	497.10	22.6	0.00990117	0.0003	84.6025	0.461	0.88658541	0.008
09/01/95	09:15:03	18851.5872	714.6	497.70	22.4	0.01184734	0.0003	94.8986	0.525	0.81832774	0.008
09/01/95	09:20:03	19237.5711	741.4	498.36	22.52	0.01035113	0.0003	100.5911	0.563	0.83520663	0.008
09/01/95	09:25:03	19535.9936	756.5	497.33	23.1	0.017049	0.0003	93.2059	0.513	0.83993291	0.008
09/01/95	09:30:02	19753.6116	779.1	492.65	23.44	0.01878602	0.0003	91.9268	0.498	0.86653232	0.008
09/01/95	09:35:04	20171.9379	845.3	497.00	25.56	0.02874573	0.0003	99.9114	0.56	0.94439449	0.009
09/01/95	09:40:03	20525.4642	779	487.97	23	0.01548242	0.0003	84.9804	0.457	0.8747025	0.008
09/01/95	09:45:03	20631.9528	709.7	475.05	22.25	0.00921486	0.0003	82.7556	0.432	0.79410371	0.008
09/01/95	09:50:02	21107.0013	813.7	477.70	24.13	0.01433413	0.0003	89.7952	0.475	0.92954639	0.008
09/01/95	09:55:02	21459.7072	845.2	474.29	24.69	0.01283053	0.0003	82.4080	0.427	0.96522525	0.009
09/01/95	10:00:03	22028.6737	915.4	472.78	26.08	0.01775645	0.0003	83.4618	0.431	1.04447143	0.009
09/01/95	10:05:03	22238.3081	901.5	469.12	25.63	0.01625544	0.0003	83.6585	0.43	1.0176557	0.009
09/01/95	10:10:03	21909.1357	893.8	472.61	25.52	0.01834524	0.0003	78.5228	0.401	1.01488512	0.009
09/01/95	10:15:03	21739.4421	917.8	471.08	26.01	0.01932803	0.0003	75.9009	0.385	1.05583433	0.009
09/01/95	10:20:04	21856.6112	904.3	472.19	25.98	0.01923305	0.0003	79.9216	0.407	1.03519698	0.009
09/01/95	10:25:04	22052.0647	908.4	474.34	26.02	0.01880288	0.0003	80.4571	0.41	1.03776608	0.009
09/01/95	10:30:04	22073.0361	922.9	474.18	26.09	0.0177326	0.0003	74.9547	0.379	1.05541804	0.009
09/01/95	10:35:04	22061.7257	898.7	475.74	25.87	0.01906018	0.0003	74.6391	0.378	1.02596374	0.009

Site: Bee	processin										
	ta in ppm				-						
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ρpm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 14		, , , , , , , , , , , , , , , , , , , ,									[
08/28/95	21:04:51	0.47958194	0.058	0.25779034	0.015	0	0.007	0	1.503	0.02308733	0.005
08/28/95	21:09:51	0.48012146	0.058	0.27012298	0.015	0_	0.007	0	1.49	0.02109823	0.006
08/28/95	21:14:52	0.47920598	0.058	0.26289621	0.015	0	0.007	0	1.541	0.0272301	0.005
08/28/95	21:19:52	0.47811778	0.058	0.26521964	0.015	0	0.007	0	1.519	0.03207155	0.005
	21:24:52	0.47772635	0.058	0.25397694	0.015	0	0.006	0	1.573	0.03745585	0.005
	21:29:53	0.47796641	0.057	0.25699591	0.015	0	0.006	0	1.531	0.03263093	0.005
08/28/95	-	0.47779367	0.058	0.26217846	0.015	0	0.006	0	1.548	0.03626455	0.005
	21:39:52	0.47818971	0.058	0.2631523	0.014	0	0.006	0	1.49	0.03266114	0.005
08/28/95		0.47805893	0.058	0.25782953	0.014	0	0.006	0	1.503	0.03683279	0.005
08/28/95		0.47705093	0.057	0.24307559	0.014	0	0.006	0	1.488	0.03990957	0.005
08/28/95		0.47733704	0.057	0.22813903	0.014	0	0.006	0	1.445	0.04354384	0.005
	21:59:51	0.47702948	0.057	0.22447801	0.014	0	0.006	0	1.458	0.04320681	0.005
	22:04:51	0.47705093	0.057	0.22498472	0.014	0	0.006	0	1.466	0.04144455	0.005
	22:09:52	0.47669846	0.056	0.22503761	0.014	0	0.006	0	1.41	0.03834623	0.005
08/28/95		0.4772246	0.056	0.22518865	0.014	0	0.006	0	1.419	0.04361318	0.005
	22:19:53	0.47687191	0.057	0.22436522	0.014	0	0.006	0	1.441	0.04401895	0.005
ţ	22:24:53	0.47669538	0.057	0.22362541	0.014	0	0.006	0	1.463	0.04323643	0.005
	22:29:53	0.47653998	0.057	0.22612675	0.014	0	0.006	ò	1.462	0.04682257	0.005
08/28/95		0.47688921	0.056	0.22750678	0.014	0	0.006	0	1.434	0.04670452	0.005
	22:39:53	0.4769102	0.057	0.22746462	0.014	0	0.006	0	1.448	0.04472742	0.005
Run 15		0.1700	0.00	0.000							
08/29/95	09:44:50	0.47427574	0.057	0.30295195	0.015	0	0.011	0	1.516	0.09324115	0.008
08/29/95		0.4747584	0.058	0.30999509	0.015	0	0.011	0	1.547	0.0952572	0.009
08/29/95		0.47458625	0.058	0.32305055	0.015	Ö	0.01	0	1.519	0.08963315	0.008
08/29/95		0.47382473	0.058	0.32127414	0.015	0	0.01	0	1.529	0.09212044	0.008
08/29/95	10:04:51	0.47349848	0.058	0.33130674	0.015	0	0.01	0	1.503	0.08706509	0.008
08/29/95	10:09:52	0.47349925	0.058	0.31858562	0.015	0	0.01	0	1.491	0.08725524	0.008
08/29/95		0.47325799	0.058	0.32715959	0.015	0	0.01	0	1.499	0.08790016	0.008
08/29/95		0.47259854	0.058	0.32746208	0.015	0	0.009	0	1.485	0.07909553	0.007
08/29/95	10:24:54	0.47217931	0.058	0.31892139	0.015	0	0.009	0	1.479	0.08332576	0.007
08/29/95	10:29:53	0.47200144	0.058	0.32557884	0.015	0	0.009	0	1.52	0.08271284	0.007
	10:34:53	0.47087449	0.059	0.33968503	0.015	0	0.009	ō	1.537	0.08203465	0.007
	10:39:52	0.47040442	0.058	0.32982252	0.015	0	0.009	0	1.5	0.08223546	0.007
08/29/95	10:44:53	0.47086044	0.058	0.32070069	0.015	Ö	0.009	0	1.515	0.07755867	0.007
08/29/95	10:49:54	0.47120681	0.058	0.31255763	0.015	0	0.009	0	1.556	0.08081296	0.007
08/29/95	10:54:53	0.46837789	0.057	0.29993393	0.015	0	0.01	0	1.503	0.08383589	0.008
	10:59:53	0.46845231	0.057	0.28303707	0.015	Ö	0.009	ō	1.494	0.08293439	0.007
	11:04:54	0.46744509	0.056	0.26583246	0.015	0	0.01	0	1.497	0.0877634	0.008
·	11:09:55	0.46743096	0.056	0.25589771	0.015	- 0	0.01	0	1.487	0.08308654	0.008
08/29/95		0.47118103	0.056	0.25159184	0.015	0	0.01	0	1.558	0.08260894	0.008
08/29/95		0.46642828	0.056	0.25055698	0.016	0	0.01	0		0.08843188	0.008
08/29/95		0.46599309	0.056	0.24142479	0.015	0	0.01	0	1.494	0.08284075	0.008
08/29/95		0.46979917	0.056	0.23578726	0.015	0	0.01	0		0.08554916	0.008
08/29/95		0.46628185	0.056	0.23214175	0.015	0	0.01	0	1.479	0.0871503	0.008
08/29/95	-	0.4683247	0.056	0.23166121	0.015	0	0.01	0	1.487	0.08014766	0.008
Downwind		0.1000211	0.000	0.20100121	0.013		0.01	⊢ <u> </u>	1.401	0.00014700	0.000
Run 16							 	 -	 	 	
08/29/95	22:14·58	0.48134382	0.06	0.36051311	0.013	0	0.012	0	2.354	0.04221928	0.009
08/29/95		0.48183062	0.06	0.34828213	0.013	0	0.012	0		0.0441128	0.003
08/29/95		0.48132705	0.057	0.25612807	0.013	0		0		0.03841371	0.01
08/29/95		0.481	0.057	0.24402542	0.013	0	0.012	0	2.123	0.03922034	0.009
08/29/95		0.48106427	0.056			0	+	0	2.123	0.03922034	0.009
08/29/95		0.48106427	0.057	0.2355222	0.012	0	0.012	0	+	0.04096038	0.009
08/29/95			-	0.24019106	0.013		 			0.04295026	
08/29/95		0.48117438	0.056	0.23056731	0.013	0	0.011	0	2.264		0.009
08/29/95		0.48295711	0.056	0.2265616	0.013	0	0.011	0	2.143	0.04194362	0.008
08/29/95		0.48077671	0.056	0.2240983	0.013	0	0.011	0	2.074	0.04226608	0.009
08/29/95		0.48158951	0.056	0.22170502	0.012	0	0.011	0	2.101	0.04379087	0.009
08/29/95		0.48173634	0.056	0.22064931	0.013	0	0.011	0	2.202	0.04307497	0.009
08/29/95	23.10:00	0.48201144	0.056	0.22372441	0.013	0	0.011	0	2.308	0.04301126	0.009
		0.48207273	0.056	0.23138614	0.013	- 0	0.012	0	2.506	0.04024584	0.009
08/29/95	23.19.59	0.48150393	0.056	0.22364158	0.013	0	0.011	0	2.469	0.04266629	0.009

Site: Beef	processin				i			Γ.	Γ -		
Upwind da								 			
Date	Time	N2O		CO		C2H4		H2S		DICLM	-
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/29/95	23:24:59	0.48192221	0.056	0.21413889	0.013	0	0.011	0	2.325	0.04344211	0.009
08/29/95	23:30:00	0.48115429	0.056	0.20305896	0.013	0	0.011	0	2.153	0.04333241	0.009
08/29/95	23:35:00	0.48109228	0.056	0.19658596	0.013	0	0.011	0	2.183	0.04588103	0.009
08/29/95	23:39:59	0.481792	0.056	0.19782987	0.013	0	0.011	0	2.157	0.04542516	0.009
08/29/95	23:45:00	0.48128457	0.056	0.19995027	0.013	0	0.011	0	2.176	0.04716326	0.009
08/29/95	23:50:00	0.48187379	0.056	0.20371365	0.013	0	0.011	0	2.112	0.04791328	0.009
08/29/95	23:54:59	0.48193471	0.056	0.20776449	0.013	0	0.011	0	2.109	0.04799623	0.009
08/29/95	23:59:59	0.48208466	0.056	0.20713976	0.013	0	0.011	0	2.115	0.04754027	0.009
08/30/95	00:05:00	0.48190587	0.056	0.20640595	0.013	0	0.011	0	2.119	0.04938413	0.009
08/30/95	00:10:00	0.48216491	0.056	0.20687666	0.013	0	0.011	0	2.122	0.04761447	0.008
08/30/95	00:14:59	0.48218488	0.056	0.20629108	0.013	0	0.011	0	2.075	0.04826226	0.009
08/30/95	00:20:00	0.48247335	0.056	0.20582026	0.013	0	0.011	0	2.091	0.04784226	0.009
08/30/95	00:25:00	0.48251319	0.056	0.20727602	0.013	0	0.011	0	2.06	0.04782451	0.009
08/30/95	00:29:59	0.48273207	0.056	0.21044973	0.013	0	0.011	0	2.077	0.05077934	0.009
08/30/95	00:34:59	0.48262263	0.056	0.21460838	0.013	0	0.011	0	2.091	0.04859058	0.009
08/30/95	00:40:00	0.4828613	0.056	0.2185076	0.013	0 -	0.011	0	2.175	0.04869098	0.009
08/30/95	00:45:00	0.48297072	0.057	0.22354082	0.013	0	0.011	0	2.183	0.04781563	0.009
08/30/95		0.48277166	0.057	0.22853161	0.013	. 0	0.011	0	2.088	0.04977591	0.009
08/30/95	00:55:01	0.48318956	0.057	0.23787457	0.013	0	0.011	0	2.121	0.04934748	0.009
08/30/95	01:00:00	0.48309986	0.057	0.23947137	0.013	0	0.011	0	2.101	0.04715037	0.009
08/30/95	01:05:00	0.4832681	0.057	0.23922864	0.013	Ó	0.011	0	2.231	0.04756145	0.009
08/30/95	01:10:01	0.48339695	0.057	0.24618045	0.013	0_	0.011	0	2.264	0.0474433	0.009
08/30/95	01:15:01	0.48312749	0.057	0.24899311	0.013	0	0.011	0	2.212	0.04555951	0.009
08/30/95	01:20:00	0.48258121	0.057	0.24134523	0.013	0	0.011	0	2.121	0.04523175	0.009
08/30/95	01:25:00	0.48269046	0.057	0.23599172	0.013	0	0.011	0	2.138	0.04555951	0.009
08/30/95	01:30:01	0.48310803	0.057	0.22915122	0.013	0	0.011	0	2.165	0.04600509	0.009
08/30/95	01:35:00	0.48308854	0.057	0.22646141	0.013	0	0.011	0	2.1	0.04492068	0.009
08/30/95	01:40:00	0.48518427	0.056	0.21997206	0.013	0	0.011	0	2.183	0.0441474	0.009
08/30/95	01:45:01	0.483346	0.057	0.23227703	0.013	0	0.011	0	2.152	0.04392068	0.009
08/30/95	01:50:01	0.48327549	0.057	0.24103706	0.013	0	0.011	0	2.132	0.0420477	0.009
	01:55:00	0.48296721	0.057	0.23990029	0.013	0	0.011	0	2.16	0.04335021	0.009
	02:00:00	0.48307641	0.057	0.24415887	0.013	0	0.012	0	2.164	0.04476974	0.009
	02:05:01	0.48344245	0.057	0.25683904	0.014	0	0.012	0	2.339	0.04213339	0.009
	02:10:00	0.48337164	0.058	0.27005526	0.014	0	0.012	0	2.302	0.03775318	0.01
	02:15:00	0.48308259	0.058	0.27333596	0.014	0	0.012	0	2.331	0.03893892	0.01
08/30/95		0.48292171	0.058	0.28223122	0.014	0	0.012	0	2.356	0.03804507	0.01
	02:25:01	0.48353665	0.058	0.2838624	0.014	0	0.012	0	2.363	0.03860441	0.01
	02:30:00	0.48335645	0.058	0.29400369	0.014	0	0.012	0	2.373	0.03684585	0.01
	02:35:01	0.4836309	0.059	0.29939575	0.014	0	0.012	0	2.498	0.03617154	0.01
	02:40:01	0.48401364	0.059	0.29922823	0.014	0	0.013	0	2.669	0.03571574	0.01
	02:45:00	0.48450447	0.059	0.30156376	0.014	0	0.013	0	2.722	0.03613106	0.01
08/30/95		0.4846499	0.059			0	0.013	0	2.655		0.01
08/30/95		0.4846499	0.059	0.30928387	0.014	0	0.012	0	2.681	0.04188332	0.01
08/30/95		0.48479271	0.059	0.30668338	0.014	0	0.012	0	2.654	0.04126127	0.01
08/30/95		0.48488323	0.059	0.2941095	0.014	0	0.012	0	2.416	0.04061564	0.01
08/30/95		0.48542768	0.059	0.29530728	0.014	0	0.012	0	2.525	0.04257564	0.01
08/30/95		0.48510101	0.059	0.29585173	0.014	0	0.012	0	2.473	0.04529787	0.01
08/30/95		0.48486484	0.059	0.29928315	0.014	0	0.012	0	2.449		0.01
08/30/95		0.48519157	0.059	0.29111494	0.014	0	0.012	0	2.393	0.04813797	0.009
08/30/95		0.48530048	0.058	0.28697638	0.014	0	0.012	0	2.405	0.04868252	0.009
08/30/95		0.48482794	0.058	0.2759706	0.014		0.012	0	2,272	0.05273185	0.009
08/30/95		0.48480943	0.058	0.27209915	0.014	0	0.012	0	2.266	0.05099816	0.009
08/30/95		0.48482794	0.058	0.27390055	0.014	0	0.012	0	2.334	0.04826489	0.009
08/30/95		0.48519157	0.058	0.27162015	0.014	0	0.012	0	2.294	0.04966271	0.009
08/30/95		0.48502874	0.058	0.25710006	0.014	0	0.012	0	2.326	0.05137647	0.009
	04:00:00	0.485136	0.057	0.24153394	0.014	0	0.012	0	2.289	0.05246479	0.009
08/30/95		0.48517235	0.057	0.24133489	0.014	0	0.011	0	2.266	0.05375087	0.009
08/30/95		0.4853173	0.057	0.24222358	0.014	0	0.012	0	2.309	0.05340448	0.009
08/30/95		0.48558862	0.057	0.24817525	0.014	0	0.012	0	2.334	0.05424417	0.009
	04:20:00	0.48638493	0.058	0.26014422	0.014	0	0.012	0	2.245	0.05161592	0.009
	04:25:01	0.48589466	0.058	0.25521959	0.014	0	0.012	0	2.239	0.05756016	0.009
08/30/95 08/30/95		0.48614696	0.058	0.26207208	0.015	0	0.012	0	2.268	·	0.009

Site: Danie	orogoni-				1				- 1		
	processin	•			 			\vdash			
Upwind da	ta in ppm Time	N2O		CO	╁╾╌╾╅	C2H4		H2S		DICLM	
Date	14116	ppm	95% CI	ppm	95% CI	ppm	95% CI		95% CI	ppm	95% C1
08/30/95	04:35:00	0.48596484	0.058	0.26664038	0.015	- ррт	0.012	0	2.258	0.05914489	0.009
	04:40:00	0.48585631	0.058	0.27456254	0.015	ō	0.011	- 5	2.215	0.05914489	0.009
	04:45:00	0.48596484	0.059	0.2882364	0.015	Ö	0.011	0	2.225	0.05903637	0.009
08/30/95	04:45:00	0.48638153	0.059	0.30326936	0.015	0	0.012	0	2.219	0.05665949	0.009
08/30/95	04:55:01	0.48639893	0.06	0.30527447	0.015	Ö	0.012	0	2.244	0.0553466	0.009
	05:00:00	0.48609078	0.06	0.30879785	0.015	ŏ	0.012	ō	2.325	0.05229816	0.009
	05:05:00	0.48601704	0.06	0.31150211	0.015	ő	0.012	0	2.264	0.05032625	0.009
	05:10:01	0.48663112	0.06	0.30847096	0.015	ŏ	0.012	-	2.248	0.05403396	0.009
	05:10:01	0.48650531	0.059	0.30353677	0.015	0	0.012	0	2.281	0.05382704	0.009
	_	0.48587378	0.059	0.29849012	0.015	0	0.012	0	2.275	0.04860908	0.009
08/30/95	05:20:01 05:25:02	0.48598228	0.059	0.30152819	0.015	0	0.012	0	2.29	0.05056212	0.009
	05:30:02	0.48580012	0.059	0.29696823	0.015	Ö	0.012	0	2.292	0.04663855	0.009
08/30/95	05:35:02	0.48560059	0.059	0.29918983	0.015	0	0.012	0	2.338	0.04359344	0.009
08/30/95	05:40:03	0.48603436	0.059	0.29832229	0.015	0	0.012	0	2.394	0.05053369	0.009
08/30/95	05:45:03	0.48603436	0.059	0.29669567	0.015	0	0.012	0	2.284	0.04988304	0.009
		0.4863769	0.059	0.29642319	0.015	0	0.012	0	2.297	0.05150001	0.009
	05:50:03	0.48684474	0.059	0.29642319	0.015	0	0.012	0	2.312	0.05093879	0.009
	05:55:04		0.059		0.015	0	0.012	0	2.377	0.05405138	0.01
08/30/95 08/30/95	06:00:04	0.48700398 0.48736252	0.059	0.29722841	0.015	0	0.012	0	2.377	0.05565526	0.01
						0		0	2.427		0.01
08/30/95	06:10:04	0.48737925	0.059	0.29684449	0.015		0.012	0	2.427	0.05347964	
	06:15:05	0.48807838	0.059	0.28953619	0.015	0	0.012	0	2.534	0.05604624	0.009
:	06:20:04	0.48792768			 -			Û			
08/30/95	06:25:04	0.48828451	0.059	0.25938088	0.015	0	0.012	_	2.48	0.05760417	0.01
08/30/95	06:30:05	0.48833293	0.059	0.26517526	0.015	0	0.012	0	2.562	0.05541137	0.01
	06:35:04	0.48856498	0.059	0.27376486	0.015	0	0.012	0	2.52	0.05734483	0.01
08/30/95	06:40:04	0.48892075	0.059	0.28283779	0.015	0	0.012	0	2.583	0.05861867	0.01
	06:45:04	0.48918392	0.06	0.30155912	0.016	0	0.013	0	2.61	0.05847765	0.01
	06:50:04	0.48921522	0.06	0.29971982	0.016	0	0.013	0	2.596	0.05694569	0.01
	06:55:04	0.4890618	0.059	0.26543835	0.016	0	0.012	0	2.535	0.05916592	0.01
	07:00:03	0.48920043	0.059	0.26447634	0.016	0	0.012	0	2.543	0.06797742	0.01
	07:05:03	0.48952362	0.059	0.26641547	0.016	0	0.013	0	2.519	0.07476439	0.01
	07:10:04	0.48932351	0.059	0.26787312	0.016	0	0.013	0	2.465	0.07582737	0.01
	07:15:04	0.48964663	0.059	0.27131981	0.016	0	0.012	0	2.43	0.07539653	0.01
	07:20:03	0.48932351	0.059	0.27756696	0.016	0	0.013	0	2.403	0.07755072	0.01
	07:25:03	0.4894465	0.059	0.27288392	0.016	0	0.012	0	2.399	0.07785915	0.01
	07:30:04	0.48966188	0.059	0.27676073	0.016	0	0.012	0	2.382	0.07742839	0.01
	07:35:04	0.48998495	0.059	0.28214518	0.016	0	0.013	0	2.425	0.07678226	0.01
	07:40:03	0.49023049	0.059	0.27633326	0.016	0-	0.013	0	2.394	-0.07621502	0.01
	07:45:03	0.49000009	0.059	0.27272473	0.016	0	0.013	0	2.344	0.08032082	0.01
	07:50:04	0.49030801	0.059	0.27471464	0.016	0	0.013	0	2.318	0.08152057	0.01
	07:55:04	0.49018518	0.059	0.2792903	0.016	0	0.013	0	2.318	0.08175138	0.01
08/30/95		0.49004702	0.059	0.28230501	0.016	0	0.013	0	2.404	0.08264425	0.01
08/30/95		0.49015824	0.059	0.28090625	0.016	0	0.013	0	2.474	0.07984332	0.01
08/30/95		0.48924972	0.059	0.27944806	0.016	0	0.012	0	2.459	0.07784008	0.01
08/30/95		0.48985008	0.06	0.28726509	0.016	0	0.012	0	2.57	0.0763739	0.01
08/30/95	08:20:04	0.48977175	0.06	0.30114052	0.016	0	0.012	0	2.578	0.07169498	0.01
	08:25:04	0.48951117	0.06	0.30584995	0.015	0	0.012	0	2.693	0.0710877	0.01
08/30/95		0.48884684	0.06	0.3105539	0.015	0	0.012	0	2.708	0.07023662	0.01
08/30/95	08:35:05	0.48872262	0.06	0.31871805	0.015	0	0.012	0	2.631	0.07111444	0.01
	08:40:05	0.48844122	0.06	0.32815117	0.015	0	0.012	0	2.562	0.07581871	0.01
08/30/95		0.48823386	0.06	0.31823449	0.015	0	0.012	0	2.492	0.07341374	0.01
08/30/95	08:50:04	0.48815007	0.06	0.31094639	0.015	0	0.012	0	2.438	0.07239881	0.009
	08:55:05	0.48764845	0.06	0.3163858	0.015	0	0.012	0	2.404	0.06909076	0.009
08/30/95		0.48757971	0.06	0.33333867	0.015	0	0.012	0	2.48	0.07261595	0.01
08/30/95		0.48752773	0.062	0.37077738	0.015	0	0.012	0	2.444	0.07319975	0.009
08/30/95		0.48744028	0.062	0.38297327	0.015	0	0.012	10	2.502	0.07555107	0.01
08/30/95		0.48693444	0.061	0.35584508	0.015	0	0.012	- 0	2.445	0.0734318	0.009
08/30/95		0.48708052	0.062	0.36710673	0.015	0	0.012	 ŏ	2.375	0.07468423	0.009
08/30/95		0.48648181	0.061	0.36241043	0.014	0	0.012	1 0	2.457	0.07439926	0.009
08/30/95		0.486372	0.061	0.35289233	0.014	0	0.012	1 0	2.479	0.07361011	0.009
08/30/95		0.48559126	0.06	0.32372751	0.014	Ö	0.012	1 0	2.429	0.072097	0.009
08/30/95		0.48549755	0.059	0.31038218	0.014	0	0.012	1 - 0		0.07194578	0.009
		3, ,30 ,0,	0.000	J. J 10004 10	1 0.014	<u> </u>	19,012	<u> </u>	,	1 2.27 107370	2.500

08/30/95 14:40:37 0.47229958 0.054 0.16415565 0.014 0 0.013 0 2.407 0.06658613 0.01 08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.44 0.06787436 0.011	Sito: Boo	processin				r 1						
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08/30/95 13:40:37												-
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08/30/95 13:50:37										 		
08/30/95 14:0:37 0.47475335 0.054 0.17592611 0.013 0 0.014 0 2.457 0.06908976 0.011 08/30/95 14:0:37 0.47313516 0.054 0.17714432 0.014 0 0.014 0 2.793 0.07709267 0.011 08/30/95 14:0:36 0.47302262 0.054 0.17601888 0.014 0 0.013 0 2.817 0.07709267 0.011 08/30/95 14:15:36 0.4722651 0.054 0.173299 0.014 0 0.014 0 2.643 0.07769741 0.011 08/30/95 14:15:36 0.47449011 0.054 0.16814947 0.014 0 0.014 0 2.612 0.0700529 0.011 08/30/95 14:20:37 0.47423769 0.054 0.16175898 0.014 0 0.013 0 2.657 0.06826319 0.011 08/30/95 14:25:37 0.47272518 0.054 0.15889069 0.013 0 0.013 0 2.666 0.06799935 0.011 08/30/95 14:30:36 0.47441307 0.054 0.15798744 0.013 0 0.013 0 2.527 0.06456976 0.01 08/30/95 14:35:37 0.47199294 0.054 0.16175898 0.014 0 0.013 0 2.527 0.06456976 0.01 08/30/95 14:35:37 0.47199294 0.054 0.16142971 0.014 0 0.014 0 2.398 0.06824946 0.011 08/30/95 14:45:36 0.47218907 0.054 0.16415565 0.014 0 0.013 0 2.447 0.06658613 0.01 08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.444 0.06787436 0.011					-							
08/30/95 14:00:37												
08/30/95 14:05:36						·						
08/30/95 14:10:36					0.17714432		0				0.07709267	0.011
08/30/95 14:15:36												
08/30/95 14:20:37						0.014	0			†	,	0.011
08/30/95 14:25:37 0.47272518 0.054 0.15889069 0.013 0 0.013 0 2.666 0.06799935 0.011 08/30/95 14:30:36 0.47441307 0.054 0.15798744 0.013 0 0.013 0 2.527 0.06456976 0.01 08/30/95 14:35:37 0.47199294 0.054 0.16142971 0.014 0 0.014 0 2.398 0.06824946 0.011 08/30/95 14:40:37 0.47229958 0.054 0.16415565 0.014 0 0.013 0 2.407 0.06658613 0.01 08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.44 0.06787436 0.011							0		0	1 .	0.0700529	
08/30/95 14:30:36				0.054	0.16175898	0.014	0		0	2.657	0.06826319	0.011
08/30/95 14:45:36 0.47199294 0.054 0.16142971 0.014 0 0.014 0 2.398 0.06824946 0.011 08/30/95 14:45:36 0.47229958 0.054 0.16415565 0.014 0 0.013 0 2.407 0.06658613 0.01 08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.44 0.06787436 0.011	08/30/95	14:25:37	0.47272518	0.054	0.15889069	0.013	0	0.013	0		0.06799935	0.011
08/30/95 14:40:37 0.47229958 0.054 0.16415565 0.014 0 0.013 0 2.407 0.06658613 0.01 08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.44 0.06787436 0.011	08/30/95	14:30:36	0.47441307	0.054	0.15798744	0.013	0	0.013	0	2.527	0.06456976	0.01
08/30/95 14:45:36 0.47218907 0.054 0.15671987 0.013 0 0.013 0 2.44 0.06787436 0.011			0.47199294	0.054	0.16142971	0.014	0	0.014	0	2.398	0.06824946	0.011
				0.054	0.16415565	0.014	0	0.013	0	2.407	0.06658613	0.01
	08/30/95	14:45:36	0.47218907	0.054	0.15671987	0.013	0	0.013	0	2.44	0.06787436	0.011
	08/30/95	14:50:36		0.054	0.15296903	0.013	0	0.013	0	2.375	0.07648452	0.011

	processin									-	
Upwind da		4100				00114		LICC	_	DICLM	
Date	Time	N2O	0501 01	CO	050(01	C2H4	05% 01	H2S	OFFI CI	DICLM	059/ (
		ppm	95% CI	ppm	95% CI	ppm			95% CI		95% (
08/30/95	14:56:11	0.4727891	0.054	0.15816082	0.013	0		0	2.532	0.07891108	0.01
08/30/95	15:01:11	0.47245217	0.054	0.15725795	0.014	0	0.014	0	2.383	0.0757461	0.01
08/30/95	15:06:12	0.4724806	0.054	0.15847386	0.013	0	0.014	0	2.422	0.07103611	0.01
Run 17						····					
08/30/95	17:24:51	0.47583914	0.054	0.14977381	0.013	0_	0.017	0	4.163	0.11631371	0.01
08/30/95	17:29:52	0.47163591	0.054	0.15080984	_0.012	0	0.016	0	4.05	0.11717027	0.01
08/30/95	17:34:52	0.47186617	0.054	0.14752206	0.013	0	0.018	0	5.753	0.12094765	0.01
08/30/95	17:39:51	0.47374064	0.054	0.14406347	0.013	0	0.019	0	6.447	0.12771584	0.01
08/30/95	17:44:52	0.47220911	0.054	0.14162869	0.012	0	0.017	0	6.17	0.12120147	0.01
08/30/95	17:49:52	0.47181478	0.054	0.14374367	0.013	0	0.019	0	7.742	0.12322505	0.01
08/30/95	17:54:51	0.47164669	0.055	0.18526146	0.013	0	0.021	0	5.687	0.12954714	0.01
08/30/95	17:59:51	0.47221318	0.055	0.21024972	0.013	0	0.021	0	7.58	0.13318833	0.01
08/30/95	18:04:52	0.47411414	0.056	0.22862511	0.013	0	0.023	0	8.461	0.14057049	0.01
	18:09:51	0.47894348	0.055	0.15463646	0.014	0	0.022	0	7.933	0.14231528	0.01
08/30/95	18:14:51	0.47776973	0.055	0.15387908	0.014	0	0.022	ō	6.439	0.14440266	0.01
08/30/95	18:19:52	0.4766147	0.055	0.15616353	0.013	- 0	0.021	0	6.787	0.14183349	0.01
08/30/95	18:24:51	0.4792551	0.055	0.15937599	0.013	- 0	0.021	0	8.663	0.14325805	0.01
08/30/95	18:29:51		0.055	0.15988608	0.014	0	0.022	0	9.721	0.14525805	0.01
08/30/95		0.47943273				0	0.024	0	8.439	0.14765526	0.01
	18:34:52		0.056	0.17684817	0.014						
08/30/95	18:39:51	0.48458245	0.058	0.26023664	0.015	0	0.029	0	12.37	0.15042645	0.02
08/30/95	18:44:51	0.48133011	0.058	0.29037435	0.015	0	0.03	0	12.95	0.15470119	0.02
08/30/95	18:49:52	0.48552083	0.057	0.19891382	0.015	0	0.025	0	9.841	0.14870694	0.0
	18:54:51	0.48434502	0.057	0.18130562	0.014	Ū	Ů.ŪZ4	Û	10.01	0.14650846	0.01
08/30/95	18:59:51	0.48617156	0.057	0.18217359	0.015	0.02916129	0.023	0	7.223	0.13567316	0.01
08/30/95	19:04:52	0.47891919	0.056	0.17909069	0.013	0	0.015	0	2.382	0.11860978	0.01
08/30/95	19:09:51	0.47773532	0.056	0.17236029	0.013	0	0.016	0	2.385	0.12094282	0.01
08/30/95	19:14:52	0.47846632	0.056	0.17158253	0.013	O	0.016	0	2.409	0.12212836	0.01
08/30/95	19:19:52	0.47904304	0.056	0.16436113	0.013	. 0	0.016	0	2.246	0.12848026	0.01
08/30/95	19:24:52	0.47872465	0.056	0.16306002	0.013	0	0.017	0	2.103	0.13202745	0.01
08/30/95	19:29:51	0.47755633	0.055	0.15962979	0.013	0	0.017	0	2.078	0.13574642	0.01
08/30/95	19:34:51	0.47925088	0.056	0.15978728	0.013	0	0.017	0	2.181	0.13249029	0.01
08/30/95	19:39:52	0.4789873	0.056	0.16258286	0.013	0	0.017	0	2.291	0.13263922	0.01
08/30/95	19:44:51	0.47947675	0.056	0.16119288	0.013	o	0.018	0	2.219	0.13890968	0.01
08/30/95	19:49:51	0.4788138	0.056	0.16835461	0.013	. 0	0.018	0	2.357	0.14487357	0.01
08/30/95	19:54:52	0.47988008	0.056	0.17960941	0.013	0	0.02	0	2.518	0.1514072	0.01
	19:59:51	0.47992567	0.057	0.22754811	0.014	0	0.02	0	2.797	0.14754211	0.01
08/30/95	20:04:51	0.47946222	0.057	0.21376944	0.014	.0	0.02	0	2.448	0.1503567	0.01
08/30/95		0.47946135	0.056	0:17968743	0.014	- 0	0.02	0	2.4	0.14961052	0.01
08/30/95		0.47963776					_			0.14690013	
08/30/95			0.056	0.17422266	0.013	0	0.02	0	2.451		0.01
		0.47990365	0.056	0.17327397	0.013	0	0.02	0	2.374	0.14773071	0.01
08/30/95		0.48010254	0.056	0.18558214	0.013	0	0.021	0	2.406	0.14875326	0.01
08/30/95		0.4804124	0.056		0.013	0	0.021	0	2.474	0.14654402	0.01
	20:34:52	0.48085259	0.057	0.20548029	0.013	0	0.021	0	2.796	0.14530471	0.01
	20:39:53	0.47999128	0.057	0.24937909	0.013		0.02	0	3.574	0.14240772	0.01
08/30/95		0.47970409	0.057	0.24498345	0.014	0	0.021	0	4.481	0.14323807	0.01
	20:49:52	0.47950372	0.057	0.24471224	0.014	0	0.02	0	4.507	0.14263858	0.0
	20:54:53	0.47998801	0.058	0.26159126	0.014	0	0.02	0	5.444	0.14247578	0.0
08/30/95	20:59:52	0.48045031	0.058	0.25394129	0.014	0	0.02	0	5.858	0.14112746	0.0
	21:04:52	0.48255345	0.057	0.21274571	0.014	0	0.016	0	2.83	0.13798236	0.0
08/30/95	21:09:53	0.48199093	0.057	0.21915662	0.014	0	0.016	0	1.626	0.13684943	0.0
08/30/95	21:14:53	0.47973719	0.056	0.21244719	0.013	0	0.017	0	3.345	0.13914027	0.0
08/30/95	21:19:52	0.48142756	0.057	0.22840892	0.014	0	0.02	0	5.34	0.14348343	0.0
	21:24:53	0.48096715	0.058	0.27306451	0.014	0	0.021	0	4.173	0.14680651	0.0
	21:29:53	0.48583194	0.058	0.23989804	0.015	0	0.02	0	4.621	0.13948326	0.0
08/30/95	21:34:53	0.48465447	0.058	0.2219415	0.015	0	0.02	0	5.162	0.13974094	0.0
08/30/95	21:30:54	0.48140088			,	0	+	+	 	0.13574094	0.0
08/30/05	21:44:54		0.057	0.21232139	0.014		0.02	- 0	3.995		
	21:44:54	0.48445465	0.057	0.20665087	0.014	0	0.02	0	4.708	0.14318424	
		0.48606684	0.057	0.20114999	0.015	0	0.02	0	4.848	0.13731197	0.0
	21:54:53	0.48465082	0.057	0.19655101	0.015	0	0.02	0	5.317	0.13792478	0.0
08/30/95		0.48395548	0.057	0.1855728	0.014	0	0.019	0	3.938	0.13633473	
08/30/95		0.48334918	0.056	0.17998325	0.014	0	0.02	0	4.208	0.14133721	0.0
	22:09:53	0.48288073	0.056	0.17944966	0.014	0	0.02	0	3.949	0.14316509	0.0

Site: Bee	f processin	<u> </u>	Ī					-			
Upwind da											
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	22:14:53	0.48483083	0.057	0.18765174	0.015	0	0.019	0	3.547	0.13841368	0.015
08/30/95	22:19:54	0.48299046	0.057	0.18892968	0.014	0	0.019	0	3.805	0.13937256	0.015
08/30/95	22:24:54	0.48555102	0.057	0.18788476	0.015	0	0.017	0	4.269	0.13304862	0.013
08/30/95	22:29:54	0.48813809	0.059	0.27042545	0.015	0	0.016	0	3.369	0.12786125	0.013
08/30/95	22:34:55	0.48750419	0.062	0.36826874	0.015	0	0.014	ō	2.221	0.11781986	0.011
08/30/95	22:39:55	0.48615573	0.058	0.23658196	0.014	0	0.013	Ö	2.082	0.1099391	0.01
08/30/95	22:44:55	0.48485907	0.057	0.18795529	0.014	0	0.015	0	2.455	0.12020396	0.012
08/30/95	22:49:56	0.48276317	0.057	0.19553165	0.014	0	0.015	0	2.438	0.12011698	0.012
08/30/95	22:54:55	0.48209729	0.056	0.17233392	0.014	0	0.015	0	2.341	0.12101671	0.012
	<u> </u>	0.48238555	0.056	0.17020865	0.014	0	0.016	0	2.349	0.12106159	0.012
_	23:04:56	0.48157097	0.056	0.16902025	0.014	0	0.016	0	2.392	0.1231824	0.013
	23:09:56	0.48180982	0.056	0.16898892	0.014	0	0.017	0	2.355	0.12797219	0.013
08/30/95		0.4816511	0.056	0.16987876	0.014	0	0.017	0	2.33	0.13008734	0.013
08/30/95		0.48227677	0.056	0.17171893	0.014	0	0.017	0	2.377	0.13130163	0.014
08/30/95		0.4820484	0.056	0.17516135	0.014	0	0.017	0	2.482	0.12823339	0.013
	23:29:56	0.48254325	0.056	0.1722278	0.014	0	0.016	0	2.52	0.12576229	0.013
08/30/95		0.48356195	0.056	0.1655123	0.014	0	0.017	0	2.573	0.12920427	0.013
	23:39:55	0.48402119	0.056	0.17324583	0.015	0	0.018	ō	2.608	0.13208497	0.014
-	23:44:56	0.48357209	0.056	0.17101807	0.015	0	0.018	ŏ	2.605	0.13370306	0.014
	23:49:56	0.48333414	0.056	0.16626172	0.015	0	0.018	ŏ	2.614	0.13274823	0.014
	23:54:55	0.48297008	0.056	0.17655566	0.015	0	0.017	0	2.458	0.13247117	0.014
-	23:59:55	0.48289432	0.056	0.17657832	0.015	0	0.018	0	2.358	0.13431281	0.014
	00:04:56	0.48265738	0.056	0.1709457	0.014	0	0.018	0	2.404	0.13564525	0.014
	00:09:56	0.48231134	0.056	0.17272108	0.014	Ö	0.018	0	2.416	0.13676022	0.014
	00:14:55	0.48174849	0.056	0.16436125	0.014	- 0	0.018	0	2.313	0.13711303	0.014
08/31/95		0.48087655	0.056	0.16795802	0.014	0	0.018	0	2.252	0.1390749	0.014
	00:13:56	0.48131252	0.056	0.16937492	0.014	0	0.018	0	2.237	0.13983785	0.015
08/31/95	-	0.48147965	0.056	0.16851788	0.014	0	0.018	0	2.218	0.14008661	0.015
	00:34:55	0.48106329	0.055	0.1656548	0.015	0	0.018	0	2.29	0.13820904	0.013
08/31/95		0.48168615	0.056	0.16825278	0.015	0	0.018	0	2.305	0.13930372	0.014
	00:44:55	0.48146849	0.056	0.16999407	0.015	0	0.019	0	2.375	0.14093619	0.015
	00:49:56	0.48159644	0.056	0.16920074	0.015	,	0.019	0	2.351	0.1455888	0.015
08/31/95		0.48178128	0.056	0.17114054	0.015	0	0.013	0	2.393	0.14613271	0.015
	00.59.56	0.48220127	0.056	0.17228457	0.015	- 0	0.019	0	2.478	0.14338943	0.015
	01:04:57	0.48238414	0.056	0.17269873	0.015	ō	0.019	0	2.491	0.14100292	0.015
	01:09:57	0.48265636	0.056	0.18095545	0.016	- 6	0.019	0	2.617	0.14100252	0.015
	01:14:56	0.48274978	0.057	0.20582439	0.016	0	0.019	0	2.707	0.14231039	0.015
	01:19:56	0.4827293	0.057	0.20369377	0.016	0	0.019	0	2.65	• •	
	01:24:57	0.48258447	0.056	0.19184088	0.016	0	0.02	0	2.573	0.14461282	0.015
	01:29:57	0.48278312	0.056	0.18992434	0.016	0	0.02	0	2.606	0.14661892 0.14783945	
	01:34:57	0.48336168	0.057	0.19267243	0.016	- 0		0			0.016
	01:39:57	0.48314483	0.057	0.19267243	0.016	0	0.02	0	2.661	0.14713365	0.016
08/31/95		0.48314483							2.581	0.1477842	
08/31/95		0.48225913	0.057	0.20702331	0.016	0	0.02	0	2.604	0.14878784	0.016
08/31/95			0.057	0.21096679	0.016	<u> </u>	0.02	0	2.49	0.14968338	0.016
		0.48301825	0.057	0.20789088	0.015	0	0.02	. 0	2.533	0.14792027	0.016
08/31/95		0.48292798	0.056	0.20134649	0.015	0	0.02	0	2.56	0.14832633	0.016
08/31/95		0.4827293	0.056	0.19187758	0.015	0	0.02	0	2.572	0.1462389	0.016
08/31/95		0.48292798	0.056	0.18616689	0.015	0	0.02	0	2.447	0.14724207	0.016
08/31/95		0.48280136	0.056	0.18121318	0.015	0	0.02	0	2.409	0.14813716	0.016
08/31/95		0.48336168	0.056	0.17803497	0.015	0	0.02	0	2.415	0.15082012	0.016
08/31/95		0.48359654	0.056	0.18493963	0.015	. 0	0.021	0	2.421	0.15317685	0.017
08/31/95		0.48283771	0.056	0.19274482	0.016	0	0.021	0	2.449	0.15165917	0.016
08/31/95		0.482169	0.056	0.19321456	0.016	0	0.021	0	2.447	0.15407289	0.017
08/31/95		0.48337973	0.057	0.18862542	0.016	. 0	0.021	0	2.478	0.15306844	0.017
08/31/95		0.48287389	0.056	0.18812143	0.016	0	0.021	0	2.544	0.15409486	0.017
08/31/95		0.48300027	0.056	0.18656942	0.016	0	0.021	0	2.526	0.1527659	0.017
08/21/05	02:54:58	0.48267282	0.056	0.1890604	0.016	0	0.021	0	2.624	0.15428195	0.017
Run 18		·									
Run 18 08/31/95		0.48472427	0.058	0.25645865	0.015	0	0.02	0	4.094	0.15631351	0.016
Run 18		0.48472427 0.48421301	0.058 0.058	0.25645865 0.25839218	0.015 0.015	0	0.02 0.02	0	4.094 3.328	0.15631351 0.15468672	0.016 0.016
Run 18 08/31/95	10:24:55 10:29:55		$\overline{}$		 +						

Site: Beef	processin								Γ	_ -	
Upwind da				_							· ·
Date	Time	N2O	-	co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI		95% CI
08/31/95	10:39:56	0.48134129	0.057	0.26360206	0.016	0	0.02	0	2.332	0.15495084	0.016
	10:44:56	0.48224425	0.058	0.26532722	0.015	0	0.018	0	2.051	0.14927388	0.015
08/31/95	10:49:55	0.4835261	0.057	0.25341626	0.015	0	0.017	0	1.88	0.14454356	0.014
08/31/95	10:54:55	0.48059841	0.057	0.24517198	0.015	0	0.016	0	2.221	0.13643783	0.013
08/31/95	10:59:55	0.48013953	0.056	0.22911768	0.015	0	0.016	0	2.663	0.13383451	0.013
08/31/95	11:04:56	0.47924229	0.056	0.23704693	0.015	0	0.016	0	2.52	0.13298289	0.013
08/31/95	11:09:56	0.47945671	0.057	0.2548858	0.016	0	0.016	0	2.428	0.13198466	0.013
08/31/95	11:14:55	0.47681082	0.056	0.26086548	0.016	0	0.016	0	1.783	0.13673251	0.013
08/31/95	11:19:55	0.47828059	0.057	0.26429853	0.016	0	0.017	0	1.704	0.14152194	0.013
08/31/95	11:24:56	0.4776013	0.057	0.25864588	0.016	0	0.017	0	1.729	0.14253482	0.014
08/31/95	11:29:56	0.47786547	0.057	0.26043449	0.016	0	0.017	0	1.681	0.14184574	0.013
08/31/95	11:34:56	0.47812972	0.057	0.25421222	0.016	0	0.018	0	1.902	0.14532685	0.014
08/31/95	11:39:56	0.47900554	0.057	0.25924201	0.016	0	0.017	0	1.916	0.13949062	0.013
08/31/95	11:44:57	0.47725094	0.056	0.2455342	0.016	0	0.017	0	2.186	0.13674906	0.013
08/31/95	11:49:57	0.47795367	0.056	0.24128102	0.016	0	0.016	0	2.654	0.13364269	0.013
08/31/95	11:54:57	0.47762503	0.056	0.24095408	0.016	0	0.016	0	2.438	0.12992191	0.013
08/31/95	11:59:56	0.47689972	0.056	0.24009813	0.016	0	0.015	0	2.156	0.12471917	0.012
08/31/95		0.47718505	0.056	0.23688868	0.015	0	0.015	0	2.589	0.12410549	0.012
08/31/95		0.47603437	0.056	0.23994512	0.016	0	0.015	0	2.059	0.12272675	0.012
	12:14:57	0.47685348	0.056	0.22643389	0.015	0	0.017	0	3.003	0.13060108	0.013
08/31/95	12:19:58	0.47735884	0.056	0.22673719	0.015	0	0.014	0	2.169	0.11865179	0.011
08/31/95	12:24:58	0.47676005	0.056	0.21600779	0.015	0	0.014	0	1.998	0.11671033	0.011
08/31/95		0.47676338	0.056	0.21636028	0.015	0	0.015	0	2.487	0.11836504	0.012
08/31/95	12:34:58	0.4758146	0.056	0.22408125	0.016	0	0.016	0	2.55	0.12250656	0.013
08/31/95	12:39:57	0.47568154	0.056	0.22555481	0.016	0	0.016	0	2.916	0.12164754	0.013
08/31/95		0.47629699	0.056	0.22255117	0.015	0	0.016	0	2.924	0.11981829	0.012
08/31/95		0.47592035	0.056	0.22660248	0.016	0	0.015	0	2.659	0.1196417	0.012
08/31/95		0.47488144	0.055	0.22458969	0.016	0	0.016	0	2.839	0.12200206	0.013
08/31/95		0.47580474	0.056	0.22449243	0.016	0	0.015	0	2.528	0.11809582	0.012
08/31/95		0.47582199	0.056	0.22785997	0.015	. 0	0.014	0	2.155	0.11674648	0.011
08/31/95		0.47540361	0.056	0.23057903	0.016	0	0.016	0	2.596	0.12357181	0.013
	13:14:57	0.47538018	0.055	0.22852268	0.015	0	0.016	0	2.676	0.12149586	0.012
	13:19:58	0.47496188	0.056	0.22726611	0.015	0	0.016	0	3.171	0.12202578	0.012
08/31/95		0.47470244	0.056	0.22473675	0.016	0	0.016	0	2.681	0.12371033	0.013
	13:29:58	0.47479771	0.055	0.22335617	0.015	0	0.015	0	2.665	0.11775956	0.012
08/31/95		0.47437048	0.055	0.22307695	0.016	0	0.016	0	2.617	0.11950551	0.012
	13:39:59	0.47450506	0.056	0.22535948	0.016	0	0.015	0	2.437	0.1189305	0.012
08/31/95	13:44:59	0:47430771 0.47381722	0.055	0.22023009	0.016	0"	0.015	0	2.767	0.11824509	0.012
} 	13:54:59	0.47363414	0.055	0.22761374	0.017	. 0	0.015	0	2.522	0.11629657	0.012
08/31/95			0.055	0.22795996	0.017		0.015	0	2.567	0.11436748	0.012
	14:04:59	0.47400446	0.055	0.22742023	0.017	0	0.016	0	2.655	0.1198581	0.013
08/31/95		0.47237986 0.47339012	0.055 0.055	0.22122717 0.22183229	0.017	0	0.016	0		0.11992375 0.13054831	0.013
08/31/95		0.47359012	0.055	0.2170629	0.016	0	0.018	0	2.527	0.13054831	0.014
08/31/95		0.47330103	0.055	0.2170829	0.016	0	0.016	- 6	2.62	0.12113134	0.013
08/31/95		0.47293343	0.055	0.20567972	0.017	0	0.016	0	2.593	0.12123134	0.013
08/31/95		0.47326848	0.055	0.2024963	0.015	0	0.017	0	2.32	0.12300762	0.013
08/31/95		0.47310779	0.055	0.20045999	0.015	0	0.016	0	2.449	0.12249716	0.013
08/31/95		0.47339125	0.055	0.20553246	0.015	0	0.016	0	2.299	0.12354167	0.013
08/31/95		0.47323024	0.055	0.1970496	0.015	0	0.017	0	2.889	0.126254	0.013
08/31/95		0.47342754	0.055	0.19419533	0.015	0	0.017	0	2.526	0.12727742	0.013
08/31/95		0.47573729	0.055	0.19211826	0.015	0	0.017	1 0	3.018	0.12118571	0.013
08/31/95		0.47306898	0.055	0.19990083	0.015	ŏ	0.016	T ŏ	2.617	0.12463227	0.013
08/31/95		0.47452818	0.054	0.18758605	0.015	ō	0.018	- 6	2.237	0.1329569	
08/31/95		0.47274801	0.054	0.18880992	0.015	ő	0.017	0	2.503	0.12828394	0.014
08/31/95		0.47286928	0.055	0.18360288	0.015	Ö	0.018	0	2.24	0.133499	0.014
08/31/95		0.47265849	0.054	0.17883472	0.014	ŏ	0.017	0	2.186	0.12635425	0.013
08/31/95		0.47296726	0.054	0.17117759	0.013	0	0.016	0	2.172	0.12648865	0.013
	15:30:00	0.47243564	0.054	0.17248358	0.014	ő	0.016	0	2.371	0.12245443	+
08/31/95		0.47416782	0.054	0.17009405	0.013	ő	0.017	0	+	0.12651163	0.013
08/31/95		0.4726675	0.054	0.17104787	0.013	0	0.017	0		0.13068325	0.014
08/31/95		0.47340567	0.054	0.17045283	0.013	0		0		0.13004423	+
					·	<u> </u>		<u> </u>			

Site: Reef	f processin-			. 1							
	ata in ppm							- -			
Date	Time	N2O		co		C2H4		H2S	-	DICLM	
- 5010	7	ppm	95% CI	ppm	95% CI	ppm	95% CI		95% CI	ppm	95% CI
08/31/95	15:50:01	0.47265017	0.054	0.17142637	0.013	0	0.017	0	2.353	0.13091349	0.014
08/31/95	15:55:02	0.47267602	0.054	0.17217637	0.014	0	0.017	ō	2.578	0.13010865	0.014
	16:00:01	0.47276178	0.054	0.17064513	0.013	0	0.016	0	2.663	0.12566803	0.013
08/31/95	16:05:01	0.47262428	0.054	0.17045283	0.013	0	0.016	ō	2.636	0.12546757	0.013
08/31/95	16:10:02	0.47104477	0.054	0.17004984	0.014	0	0.017	0	2.384	0.12949262	0.014
08/31/95	16:15:01	0.47104477	0.054	0.17004304	0.013	0	0.017	ő	2.674	0.12714196	0.013
	16:20:01	0.47231266	0.054	0.16644333	0.013	0	0.016	ŏ	2.419	0.12298933	0.013
		0.47247113	0.054	0.16695172	0.013	Ö	0.016	0	2.331	0.1230347	0.013
08/31/95	16:25:02	0.47247113	0.054	0.16563239	0.013	0	0.016	0	2.447	0.11727175	0.012
	16:30:02		0.054	0.16578256	0.013	0	0.016	0	3.052	0.12363824	0.012
08/31/95 08/31/95	16:35:03	0.47241881	0.054	0.16161709	0.013	0	0.017	0	2.543	0.12361584	0.013
08/31/95	+	0.47301366	0.054	0.15907524	0.013	0	0.015	0	2.662	0.11793702	0.012
08/31/95		0.47247816	0.054	0.15991568	0.013	0	0.015	0	2.714	0.11965719	0.012
	16:50:02		0.054	0.1593854	0.013	0	0.015	0	2.685	0.11945516	0.012
	16:55:03 17:00:02	0.47234002	0.054	0.15558252	0.013	0	0.015	0	2.864	0.11788927	0.012
								0	2.738	0.12213955	0.012
08/31/95 08/31/95	17:05:02	0.47234002	0.054	0.15535882 0.15331776	0.012	0	0.016	0	2.738	0.12213955	0.013
08/31/95	17:10:03				0.012	0	0.015	0	2.804	0.11811297	0.012
	17:15:02 17:20:02	0.47256372	0.054	0.15781951 0.15935654	0.012	0	0.015	0	2.648	0.11811297	0.012
								 		·	
-	17:25:03	0.47272801	0.054	0.16134024	0.013	0	0.016	0	2.57 3.004	0.12153627 0.13417068	0.012
	17:30:03	0.47406972	0.055	0.16301737	0.013				$\overline{}$	0.13500314	0.014
08/31/95	17:35:02	0.4736854	0.055	0.16475528	0.013	0	0.018	0	2.958		
08/31/95	17:40:03	0.47430457	0.055	0.16593387	0.013	0	0.018	0	2.859	0.139192	0.014
	17:45:03	0.47472619	0.055	0.16719494	0.013	0	0.019	0	3.07	0.14526039	0.015
	17:50:02	0.47458021	0.055	0.16509083	0.013	0	0.018	0	2.892	0.14070749	0.014
08/31/95	17:55:03	0.473428	0.055	0.1662308	0.014	0	0.018	0	2.519	0.13772451	0.014
08/31/95	18:00:03	0.47316233	0.055	0.17015087	0.014	0	0.017	0	2.463	0.1300694	0.013
	18:05:02	0.47276739	0.055	0.17198644	0.014	0	0.016	0	2.326	0.12656238	0.013
	18:10:02	0.47330257	0.055	0.17090241	0.014	0	0.017	0	2.38	0.13049309	0.013
	18:15:03	0.47357705	0.055	0.17084035	0.014	0	0.017	0	2.298	0.1349092	0.014
08/31/95	18:20:02	0.4744353	0.055	0.16879697	0.014	0	0.02	0	2.413	0.15098199	0.016
08/31/95	18:25:02	0.47536321	0.055	0.17484113	0.014	0	0.021	0	2.581	0.15582215	0.017
	18:30:04	0.47601922	0.055	0.17893788	0.013	. 0	0.021	0	2.639	0.15448674	0.016
	18:35:02	0.47611624	0.055	0.17691933	0.013		0.02	0	2.854	0.15193072	0.016
	18:40:02	0.47716368	0.055	0.17474538	0.014	0	0.021	0	3.359	0.15398465	0.016
	18:45:03	0.47728096	0.055	0.17791277	0.014	0	0.021	0	3.825	0.1555073	0.017
	18:50:03	0.47759727	0.055	0.17756111	0.014	. 0	0.021	0	3.903	0.15616954	0.017
	18:55:04	0 47709028	0.055	0.17672062	0.015	0	0.021	0	4.298	0.15422891	0.017
	19:00:04	0.47746958	0.055	0.17632372	0.014	0	0.021	0	4.239	0.15671989	0.017
	19:05:03	0.47922304	0.056	0.17287445	0.014	0	0.022	0	5.171	0.1589294	0.017
	19:10:03	0.4782762	0.056	0.17972662	0.015	0	0.021	0	6.33	0.15397244	0.017
		0.47934003	0.056	0.18183768		0	0.021	0		0.15167869	
		0.47973877		0.18217928	0.015	0	0.021	0	4.562	0.15093277	0.016
	19:25:03		0.056	0.18502449	0.015	0	0.02	0	<u> </u>	0.15115298	0.016
08/31/95		0.48053407	0.056	0.19256656	0.015	0	0.021	0		0.1518695	0.016
08/31/95		0.48097523	0.057	0.19929425	0.015	0	0.021	0		0.15209008	0.016
08/31/95		0.48121768	0.057	0.20576357	0.015	0	0.021	0	5.878	0.15327511	0.017
	19:45:05	0.48170223	0.057	0.21153011	0.015	0	0.021	0		0.15354948	0.017
	19:50:04	0.48183411	0.057	0.21446688	0.015	0	0.021	0	+	0.15219874	0.016
	19:55:04	0.4822078	0.057	0.21229482	0.015	0	0.021	0	5.544	0.15214279	0.017
Run 19							 	ļ			ļ
08/31/95		0.48567331	0.059	0.29691004	0.015	0	0.015	0		0.0149168	0.012
08/31/95	·	0.48553367	0.059	0.29274502	0.015	0	0.016	0	•	0.01391936	0.013
08/31/95		0.48559303	0.059	0.27330354	0.015	0	0.016	0		0	0.013
08/31/95		0.4845374	0.058	0.26104795	0.015	0	0.016	0	3.717	0	0.013
08/31/95		0.484169	0.058	0.2715509	0.015	0	0.016	0	3.53	0	0.012
08/31/95	21:14:53	0.48449763	0.059	0.28710565	0.015	0	0.016	0	3.686	0	0.012
08/31/95	21:19:54	0.48446756	0.059	0.28875405	0.015	0	0.016	0	3.528	0	0.012
08/31/95	21:24:54	0.48397975	0.059	0.30434712	0.015	0	0.016	0	3.367	0	0.012
	01.00.55	0.48299516	0.06	0.31911594	0.015	0	0.015	0	3.303	0	0.012
08/31/95	21:29:55	0.40233310									
08/31/95 08/31/95		0.48288576	0.06	0.31561518	0.015	0	0.015	0		0	0.012

Site: Beef	processin					-					
Upwind da	ita in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	<u> </u>
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/31/95	21:44:54	0.48332403	0.059	0.30369115	0.015	0	0.015	0	3.311	0	0.012
08/31/95	21:49:55	0.48349295	0.059	0.29499412	0.015	0	0.015	0	3.329	0	0.012
08/31/95	21:54:55	0.4840985	0.059	0.30269816	0.015	0	0.015	0	3.313	0	0.012
08/31/95	21:59:54	0.48418418	0.06	0.31784472	0.015	0	0.015	_ 0	3.415	0	0.012
08/31/95	22:04:54	0.48449766	0.06	0.3143895	0.015	0	0.015	0	3.265	0	0.012
08/31/95	22:09:55	0.48502746	0.061	0.34610601	0.015	0	0.015	0	3.348	0	0.012
	22:14:55	0.48512035	0.061	0.36003327	0.016	0	0.016	0	3.44	0	0.012
08/31/95	22:19:54	0.48512184	0.06	0.33246872	0.016	0	0.016	0	3.397	0	0.013
08/31/95	22:24:55	0.48550219	0.061	0.35269763	0.016	0	0.016	0	3.159	0	0.013
08/31/95		0.48524864	0.061	0.33865407	0.016	0	0.015	0	2.898	0	0.012
	22:34:54	0.48488696	0.061	0.34572755	0.016	0	0.015		2.742	0	0.012
	22:39:55	0.48461522	0.059	0.31094876	0.015	0	0.015	0	2.675	0	0.012
08/31/95		0.48499302	0.06	0.31318617	0.015	0	0.015	0	2.84	0	0.012
	22:49:56	0.48457668	0.06	0.31953812	0.016	0	0.015	0	2.871	0	0.012
	22:54:55	0.48490263	0.06	0.31606134	0.015	0	0.015	0	2.836	0	0.012
08/31/95	22:59:55	0.48522858	0.059	0.30975967	0.015	0	0.015	0	3.149	0	0.012
	23:04:55	0.48552024	0.059	0.30323302	0.015	0	0.015	0	3.496	0	0.012
	23:09:56	0.48546565	0,059	0.29991664	0.015	0	0.015	0	3.677	0	0.012
	23:14:55	0.48597076	0.059	0.29990967	0.015	0	0.016	0	3.831	0	0.012
	23:19:56	0.48638367	0.06	0.30634589	0.016	0	0.016	_ 0	3.612	0	0.012
08/31/95		0.48663501	0.06	0.32951276	0.016	0	0.016	0	3.559	0	0.012
	23:29:55	0.48704558	0.06	0.33364029	0.016	0	0.016	0	4.038	0	0.013
	23:34:55	0.48709652	Ŭ.Ū6	0.33107426	0.016	0	0.016	Û	4.143	0	0.013
	23:39:56	0.48703903	0.06	0.3314286	0.016	0	0.016	0	4.451	0	0.013
-	23:44:56	0.48714709	0.061	0.34590902	0.016	0	0.016	0	4.648	0	0.013
	23:49:55	0.48643072	0.061	0.34908812	0.016	0	0.015	0	3.757	0	0.012
	23:54:55	0.48618447	0.061	0.33628932	0.016	0	0.015	0	3.183	0	0.012
	23:59:56	0.48717644	0.061	0.34358988	_0.016	0	0.015	0	3.161	0.0134274	0.012
	00:04:56	0.48766077	0.061	0.35681703	0.016	0	0.015	0	3.335	0	0.012
_	00:09:56	0.48720744	0.062	0.37021711	0.016	0	0.015	0	3.39	0	0.012
	00:14:57	0.48747419	0.062	0.38286877	0.016	0	0.015	0	3.219	0.01458856	0.012
	00:19:57	0.4876127	0.063	0.39071669	0.016	0	0.015	0	3.29	0.01350279	0.012
	00:24:57	0.4878948	0.063	0.39215084	0.016	0	0.015	0_	3.419	0.01414031	0.012
	00:29:56	0.48880696	0.063	0.39549025	0.017	0	0.015	0	3.224	0.01370084	0.012
	00:34:56	0.48887123	0.063	0.40306274	0.017	0	0.016	0	3.181	0.01347495	0.012
	00:39:57	0.48882714	0.064	0.4099771	0.017	0	0.016	0	3.388	0.01335711	0.012
	00:44:57	0.48884297	0.064	0.41571576	0.017	0	0.016	0	3.525	0.01615476	0.012
	00:49:56	0.4892264	0.065	-0.43513133	0.017	<u> </u>	-0.016	0	3.482	0.01745698	0.012
	00:54:56	0.48838032	0.063	0.3999267	0.017	0	0.015	0	3.467	0.01508344	0.012
	00:59:57	0.48821624	0.063	0.39367415	0.017	0	0.016	0	3.449	0.01647488	0.012
	01:04:57	0.4880926	0.064	0.41334939	0.017	0	0.015	0	3.472	0.01733957	0.012
09/01/95	01:09:57	0.4881683	0.066	0.45789346	0.017	0	0.015	0	3.354	0.01842348	0.012
09/01/95		0.48767252	0.064	0.42459748	0.017	0	0.015	0	3.244	0.01725129	0.012
09/01/95		0.48744054	0.063	0.39782481	0.016	0	0.015	0	3.426	0.01671533	0.012
09/01/95		0.48727389	0.063	0.40439099	0.017	0	0.016	0	3.64	0.01444254	0.013
09/01/95		0.48794097	0.064	0.41433011	0.017	0	0.016	0	4.043	0.01560464	0.013
09/01/95		0.48884883	0.065	0.43291893	0.017	0	0.016	0	4.382	0.01548828	0.013
09/01/95		0.48938662	0.065	0.43367183	0.017	0	0.016	0	4.545	0.01591851	0.013
09/01/95		0.48963637	0.065	0.43845786	0.017	0	0.016	0	4.363	0.01612768	0.013
09/01/95		0.49025086	0.066	0.46164034	0.017	0	0.016	0	4.411	0.01710177	0.013
09/01/95		0.48994357	0.066	0.45800476	0.017	0	0.016	0	4.463	0.01623825	0.013
09/01/95		0.49046598	0.066	0.46325372	0.017	0	0.016	0	4.197	0.01710177	0.013
09/01/95		0.49057354	0.066	0.45615487	0.017	0	0.016	0	4.498	0.01699422	0.013
09/01/95	02:09:59	0.49028148	0.064	0.41512649	0.017	0	0.016	0	4.219	0.01784797	0.013
09/01/95	02:14:58	0.48991248	0.064	0.41212813	0.017	0	0.016	0	·	0.01826428	0.013
09/01/95	02:19:58	0.4904306	0.064	0.42348532	0.017	0	0.016	0	4.504	0.01687064	0.013
09/01/95	02:24:59	0.49101267	0.065	0.44440298	0.017	0	0.016	0	4.748	0.01664632	0.013
09/01/95		0.48854257	0.064	0.41035857	0.017	0	0.016	0	4.431	0.0146058	0.013
09/01/95		0.48707018	0.06	0.32517866	0.016	0	0.016	ō	4.558	0	+
09/01/95		0.48684097	0.059	0.29296245	0.016	0	0.016	0	4.636	0.01640676	
09/01/95		0.48677968	0.06	0.3304143	0.016	0	0.016	1 0	4.965	0.01382531	0.013
09/01/95	02:50:00	0.4863048	0.061	0.35891118	0.016	0		ŏ	_	0.01329698	
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9900 95 0345:00	09/01/95	03:34:59		0.066	0.46499436	0.017	. 0	0.015	0	4.707	0.01878006	0.012
	09/01/95	03:40:00	0.4894621	0.071		0.018	0	0.015	0	5.334	0.01534599	0.012
	09/01/95	03:45:00	0.49024296	0.072	0.57134223	0.018	0	0.015	0	5.403	0.01780751	0.012
9901 95 04:00:00	09/01/95	03:49:59	0.49166649	0.066	0.46303509	0.018	0	0.015	0	6.988		0.012
09010795 04:05:00 0.4923951 0.065 0.43753962 0.017 0.014 0.014 0.7.655 0.013603266 0.011	09/01/95	03:54:59	0.49190968	0.065	0.43906343	0.017	0	0.015	0	7.052	0.01532863	0.012
09010795 04:10:00 0.49058895 0.694 0.49244046 0.017 0.014 0.015 0.7939 0.0182774 0.011	09/01/95	04:00:00	0.4915881	0.065	0.43563324	0.017	0	0.015	0	7.173	0.0158646	0.012
0901195 04:10:00 0.4905869 0.064 0.4264046 0.017 0.014 0.834 0.01831274 0.011	09/01/95	04:05:00	0.4923951	0.065	0.43755362	0.017	0	0.014	0	7.855	0.01360326	0.011
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09/01/95 06:29:59 0.50086156 0.085 0.77445666 0.021 0 0.014 0 4.965 0.02519253 0.011 09/01/95 06:35:00 0.5003397 0.087 0.78989209 0.021 0 0.014 0 5.181 0.02465411 0.011 09/01/95 06:40:00 0.50081337 0.083 0.7349031 0.021 0 0.014 0 6.182 0.02420882 0.011 09/01/95 06:44:59 0.5006233 0.085 0.76831178 0.021 0 0.014 0 5.119 0.02345339 0.011 09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011 09/01/95 06:55:00 0.49988875 0.085 0.77200303 0.021 0 0.015 0 5.917 0.02153039 0.012 09/01/95 07:05:00 0.49988875 0.086 0.77948769 0.021 0 0.015 0 6.138 0.02248112 0.012 09/01/95 07:05:00 0.4998883 0.086 0.7769306 0.021 0 0.015 0 6.088 0.02301385 0.012 09/01/95 07:05:00 0.499823742 0.086 0.78611504 0.021 0 0.015 0 5.984 0.02377321 0.012 09/01/95 07:14:59 0.49901231 0.086 0.78445162 0.021 0 0.015 0 6.482 0.02356447 0.012 09/01/95 07:20:00 0.5001852 0.084 0.74915823 0.021 0 0.015 0 6.452 0.02356447 0.012 09/01/95 07:25:00 0.5028265 0.077 0.63859728 0.02 0 0.015 0 6.907 0.0235938 0.012 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 6.907 0.0235938 0.012 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:35:00 0.50021408 0.082 0.7178653 0.021 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:45:01 0.50118481 0.077 0.64110734 0.02 0 0.014 0 6.849 0.02610893 0.013 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.013 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.013 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.013 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.767 0.02846961 0.011	09/01/95	06:19:59	0.49952174	0.072	0.55765527	0.019	0	0.014	0	4.887	0.02506675	0.011
09/01/95 06:35:00 0.5003397 0.087 0.78989209 0.021 0 0.014 0 5.181 0.02465411 0.011 09/01/95 06:40:00 0.50081337 0.083 0.7349031 0.021 0 0.014 0 6.182 0.02420882 0.011 09/01/95 06:44:59 0.5006233 0.085 0.76831178 0.021 0 0.014 0 5.119 0.02345339 0.011 09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011 09/01/95 06:55:00 0.49988875 0.085 0.77200303 0.021 0 0.015 0 5.917 0.02153039 0.012 09/01/95 07:00:00 0.49884655 0.086 0.77948769 0.021 0 0.015 0 6.138 0.02248112 0.012 09/01/95 07:05:00 0.49948583 0.086 0.7769306 0.021 0 0.015 0 6.088 0.02301385 0.012 09/01/95 07:09:59 0.49923742 0.086 0.78611504 0.021 0 0.015 0 5.984 0.02377321 0.012 09/01/95 07:14:59 0.49901231 0.086 0.78445162 0.021 0 0.015 0 6.452 0.02356447 0.012 09/01/95 07:20:00 0.5001852 0.084 0.74915823 0.021 0 0.014 0 6.562 0.02463074 0.011 09/01/95 07:30:00 0.5028165 0.077 0.636908 0.02 0 0.014 0 7.063 0.02407044 0.011 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:35:00 0.50057986 0.08 0.69537998 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:45:01 0.50118481 0.077 0.64110734 0.02 0 0.014 0 6.849 0.02610893 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011	09/01/95	06:24:59	0.50140697	0.077	0.64516926	0.019	0	0.014	0	4.795	0.02476084	0.011
09/01/95 06:40:00 0.50081337 0.083 0.7349031 0.021 0 0.014 0 6.182 0.02420882 0.011 09/01/95 06:44:59 0.5006233 0.085 0.76831178 0.021 0 0.014 0 5.119 0.02345339 0.011 09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011 09/01/95 06:55:00 0.49988875 0.085 0.77200303 0.021 0 0.015 0 5.917 0.02153039 0.012 09/01/95 07:00:00 0.49884655 0.086 0.77948769 0.021 0 0.015 0 6.138 0.02248112 0.012 09/01/95 07:05:00 0.49948583 0.086 0.7769306 0.021 0 0.015 0 6.088 0.02301385 0.012 09/01/95 07:05:00 0.49948583 0.086 0.78611504 0.021 0 0.015 0 5.984 0.02377321 0.012 09/01/95 07:14:59 0.49901231 0.086 0.78445162 0.021 0 0.015 0 6.452 0.02356447 0.012 09/01/95 07:20:00 0.5001852 0.084 0.74915823 0.021 0 0.014 0 6.562 0.02463074 0.011 09/01/95 07:25:00 0.5028165 0.077 0.636908 0.02 0 0.014 0 7.063 0.02407044 0.011 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:35:00 0.50057986 0.08 0.69537998 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:45:01 0.50018481 0.077 0.64110734 0.02 0 0.014 0 6.849 0.02579412 0.012 09/01/95 07:55:01 0.5018481 0.077 0.63398111 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011	09/01/95	06:29:59	0.50086156	0.085	0.77445666	0.021	0	0.014	0	4.965	0.02519253	0.011
09/01/95 06:44:59 0.5006233 0.085 0.76831178 0.021 0 0.014 0 5.119 0.02345339 0.011 09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011 09/01/95 06:55:00 0.49988875 0.085 0.77200303 0.021 0 0.015 0 5.917 0.02153039 0.012 09/01/95 07:00:00 0.49884655 0.086 0.77948769 0.021 0 0.015 0 6.138 0.02248112 0.012 09/01/95 07:05:00 0.49948583 0.086 0.7769306 0.021 0 0.015 0 6.088 0.02301385 0.012 09/01/95 07:09:59 0.49923742 0.086 0.78611504 0.021 0 0.015 0 5.984 0.02377321 0.012 09/01/95 07:14:59 0.49901231 0.086 0.78445162 0.021 0 0.015 0 6.452 0.02356447 0.012 09/01/95 07:20:00 0.5001852 0.084 0.74915823 0.021 0 0.014 0 6.562 0.02463074 0.011 09/01/95 07:25:00 0.5028165 0.077 0.636908 0.02 0 0.014 0 7.063 0.02407044 0.011 09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 6.907 0.02395938 0.012 09/01/95 07:35:00 0.50057986 0.08 0.69537998 0.02 0 0.015 0 7.077 0.02470947 0.012 09/01/95 07:45:01 0.50018481 0.077 0.64110734 0.02 0 0.014 0 6.849 0.02610893 0.011 09/01/95 07:50:02 0.5017063 0.076 0.63398111 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.267 0.02846961 0.011 09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.267 0.02846961 0.011	09/01/95	06:35:00	0.5003397	0.087	0.78989209	0.021	0	0.014	0	5.181	0.02465411	0.011
09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011	09/01/95	06:40:00	0.50081337	0.083	0.7349031	0.021	0	0.014	0	6.182	0.02420882	0.011
09/01/95 06:49:59 0.5006233 0.086 0.7837697 0.021 0 0.014 0 5.652 0.02174769 0.011	09/01/95	06:44:59	0.5006233	0.085	0.76831178	0.021	0	0.014	0	5.119	0.02345339	0.011
09/01/95 06:55:00 0.49988875 0.085 0.77200303 0.021 0 0.015 0 5.917 0.02153039 0.012 09/01/95 07:00:00 0.49884655 0.086 0.77948769 0.021 0 0.015 0 6.138 0.02248112 0.012 0.09/01/95 07:05:00 0.49948583 0.086 0.7769306 0.021 0 0.015 0 6.088 0.02301385 0.012 0.09/01/95 07:09:59 0.49923742 0.086 0.78611504 0.021 0 0.015 0 5.984 0.02377321 0.012 0.09/01/95 07:14:59 0.49901231 0.086 0.78445162 0.021 0 0.015 0 6.452 0.02356447 0.012 0.09/01/95 07:20:00 0.5001852 0.084 0.74915823 0.021 0 0.014 0 6.562 0.02463074 0.011 0.09/01/95 07:25:00 0.5028165 0.077 0.636908 0.02 0 0.014 0 7.063 0.02407044 0.011 0.09/01/95 07:30:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 6.907 0.02395938 0.012 0.09/01/95 07:35:00 0.50028207 0.077 0.63859728 0.02 0 0.015 0 6.907 0.02395938 0.012 0.09/01/95 07:35:00 0.50057986 0.08 0.69537998 0.02 0 0.015 0 7.077 0.02470947 0.012 0.09/01/95 07:40:01 0.50021408 0.082 0.7178653 0.021 0 0.015 0 7.104 0.02579412 0.012 0.09/01/95 07:45:01 0.50118481 0.077 0.64110734 0.02 0 0.014 0 6.849 0.02610893 0.011 0.09/01/95 07:50:02 0.5017063 0.076 0.63398111 0.02 0 0.014 0 8.233 0.02771269 0.011 0.09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.233 0.02771269 0.011 0.09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.767 0.02846961 0.011		06:49:59			-		0		0			
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09/01/95 07:55:01 0.49944431 0.08 0.68828203 0.02 0 0.014 0 8.767 0.02846961 0.011									! 	† 		
												0.011
0 0.015 0 0.02971172 0.012												0.011
	09/01/ <u>95</u>	08:00:01	0.49982335	0.084	0.75208261	0.021	0	0.015	1 0	8.085	0.02977172	0.012

Site: Beef	processin										
Upwind da	ta in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/01/95	08:05:01	0.49988201	0.085	0.77230223	0.021	0	0.014	0	6.912	0.03214366	0.011
09/01/95	08:10:02	0.4988839	0.083	0.73363394	0.021	0	0.013	0	6.785	0.03205508	0.011
09/01/95	08:15:02	0.49749993	0.083	0.73674012	0.021	0	0.014	0	6.392	0.03291022	0.011
09/01/95	08:20:01	0.49768824	0.077	0.65503298	0.02	0	0.013	0	6.394	0.03270889	0.01
09/01/95	08:25:01	0.49939851	0.074	0.60415248	0.019	0	0.012	0	5.971	0.032602	0.01
09/01/95	08:30:01	0.50136882	0.074	0.59295475	0.019	0.0166909	0.014	0	6.148	0.04022934	0.011
09/01/95	08:35:02	0.50116254	0.073	0.58077848	0.019	0.01575174	0.014	0	5.825	0.04339765	0.011
09/01/95	08:40:02	0.50047293	0.071	0.55441291	0.019	0	0.013	0	5.405	0.04289462	0.01
09/01/95	08:45:02	0.50510634	0.071	0.53989682	0.019	0.01524768	0.012	0	4.179	0.04585043	0.01
09/01/95	08:50:02	0.50621439	0.071	0.53620671	0.019	0	0.013	0	4.751	0.05880214	0.011
09/01/95	08:55:03	0.50315228	0.071	0.54708679	0.019	0	0.012	0	4.193	0.06122903	0.01
09/01/95	09:00:06	0.50005045	0.071	0.53506257	0.019	0	0.013	0	4.288	0.0634729	0.01
09/01/95	09:05:02	0.49675838	0.069	0.51664592	0.018	0.01462003	0.013	0	4.728	0.06686512	0.01
09/01/95	09:10:02	0.49107662	0.067	0.47278098	0.018	0	0.012	0	4.311	0.06866248	0.009
09/01/95	09:15:03	0.49026426	0.067	0.47238556	0.018	0	0.012	0	4.911	0.06979157	0.009
09/01/95	09:20:03	0.49081598	0.067	0.47992573	0.017	0	0.012	0	5.274	0.06900752	0.009
09/01/95	09:25:03	0.48978102	0.067	0.48255139	0.018	0	0.012	0	4.8	0.06992247	0.009
	09:30:02	0.48811271	0.067	0.4749409	0.018	0	0.012	0	4.665	0.06769446	0.01
09/01/95	09:35:04	0.48629995	0.066	0.46349788	0.018	0	0.013	0	5.242	0.06905459	0.01
	09:40:03	0.48547667	0.063	0.4128284	0.017	0	0.012	0	4.277	0.05965603	0.009
09/01/95	09:45:03	0.48383411	0.061	0.37195493	0.017	0	0.011	0	4.041	0.04596587	0.009
09/01/95	09:50:02	0.48269085	0.06	0.35162047	0.017	0	0.012	0	4.444	0.04169928	0.01
	09:55:02	0.48190586	0.059	0.32272035	0.016	U	0.013	U	3.994	0.04088371	Ŭ.Ũ İ
	10:00:03	0.48105818	0.058	0.29565034	0.017	0	0.013	0	4.038	0.04281156	0.011
	10:05:03	0.48002627	0.056	0.23161268	0.016	0	0.013	0	4.026	0.04276598	0.01
09/01/95	10:10:03	0.4795971	0.056	0.20791277	0.016	0	0.013	0	3.753	0.04171359	0.01
	10:15:03	0.47872352	0.056	0.21413705	0.016	0	0.013	0	3.6	0.03974803	0.011
	10:20:04	0.47918703	0.056	0.21899448	0.016	0	0.013	0	3.809	0.03824754	0.011
09/01/95	10:25:04	0.47903624	0.056	0.22235502	0.016	0	0.013	0	3.837	0.03858964	0.011
	10:30:04	0.4789991	0.056	0.21103982	0.016	0	0.013	0	3.548	0.03765441	0.011
09/01/95	10:35:04	0.47869544	0.056	0.21251011	0.016	0	0.013	0	3.534	0.03790129	0.011

Site: Beef	processin							<u> </u>			
Upwind da	ta in ppm						_	-			
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ррт	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 14											
08/28/95		0	0.001	0	0.002	0	0.0004	0.0065651	0.0008	0	0.043
08/28/95	21:09:51	0	0.001	0	0.002	0	0.0005	0.0066684	0.0009	0	0.042
	21:14:52	0.0019684	0.001	0	0.002	0	0.0004	0.0064521	0.0008	0	0.044
08/28/95		0.0028459	0.001	0	0.001	0	0.0004	0.0063486	0.0008	0	0.043
08/28/95		0.0039427	0.001	0	0.001	0	0.0004	0.0062426	0.0008	0	0.044
08/28/95		0.0029565	0.001	0	0.001	0	0.0004	0.006351	8000.0	0	0.043
08/28/95		0.0037251	0.001	0	0.001	0	0.0004	0.006245	0.0008	0	0.044
	21:39:52	0.0029592	0.001	0	0.001	0	0.0004	0.0063569	0.0008	0	0.042
08/28/95		0.0041656	0.001	0	0.001	0	0.0004	0.0062484	0.0007	0	0.042
08/28/95		0.004605	0.001	0.00197355	0.001	0	0.0004	0.0061399	0.0007	0	0.042
08/28/95		0.0053744	0.001	0.002851738	0.001	0	0.0004	0.0059228	0.0007	0	0.041
08/28/95		0.0053734	0.001	0.002741549	0.001	0	0.00041	0.0059217	0.0007	0	0.042
08/28/95		0.0050435	0.001	0.002412117	0.001	0	0.0004	0.0060303	0.0007	0	0.043
08/28/95		0.004492	0.001	0.001752971	0.001	0	0.0004	0.0060258	0.0007	0	0.041
08/28/95 08/28/95		0.0055886 0.0058035	0.001	0.002849102	0.001	0	0.0004	0.0059174	0.0007	0	0.041
08/28/95			0.001	0.002956496	0.001	0	0.0004	0.0058035	0.0007	0	0.042
08/28/95		0.0056919	0.001	0.002845943	0.001	0	0.0004	0.0059108 0.0056887	0.0007	0	0.043
08/28/95			_	0.00371955	0.001	0			0.0007	0	0.043
	22:39:53	0.0066721	0.001	0.003718861	0.001	0	0.0004	0.0056877	0.0007	0	0.042
Run 15	22.33.33	0.0063426	0.001	0.00328074	0.001	- 0	0.0004	0.005796	0.0007		0.042
08/29/95	00:44:50	0.0170124	0.002	0.013740801	0.002	0	0.0007	0.0028354	0.0013	0	0.042
	09:49:53	0.0170124	0.002	0.01462138	0.002	0	0.0007	0.0028334	0.0013	0	0.042
08/29/95		0.0151131	0.002	0.012882719	0.003	0	0.0007	0.0021623	0.0012	0	0.042
08/29/95		0.0165008	0.002	0.012550338	0.002	0	0.0007	0.0031001	0.0012	0	0.042
	10:04:51	0.015313	0.002	0.012359743	0.002	Ö	0.0007	0.0023303	0.0013	. 0	0.042
	10:09:52	0.0153271	0.002	0.012480674	0.002	<u>o</u>	0.0006	0.0032818	0.0012	0	0.041
08/29/95		0.015125	0.002	0.012604138	0.002	<u>~</u>	0.0006	0.003288	0.0012	0	0.042
	10:19:52	0.0126158	0.002	0.010312039	0.002	0	0.0006	0.004059	0.0011	0	0.042
	10:24:54	0.0136132	0.002	0.011527279	0.002	0	0.0006	0.0036229	0.0011	Ö	0.042
\rightarrow	10:29:53	0.0132912	0.002	0.011423819	0.002	0	0.0006	0.003515	0.0011	0	0.043
	10:34:53	0.0131959	0.002	0.011436466	0.002	0	0.0006	0.0036289	0.0011	0	0.043
08/29/95		0.0131004	0.002	0.011449113	0.002	0	0.0006	0.0035228	0.0011	0	0.043
$\overline{}$	10:44:53	0.011788	0.002	0.010355845	0.002	0	0.0006	0.0038559	0.0011	0	0.043
08/29/95	10:49:54	0.0126787	0.002	0.011355709	0.002	0	0.0006	0.0036382	0.0011	0	0.044
08/29/95	10:54:53	0.0132372	0.002	0.012023832	0.002	0	0.0006	0.0033093	0.0012	0	0.043
08/29/95	10:59:53	0.0125892	0.002	0.011816218	0.002	0	0.0006	0.0034234	0.0011	0	0.043
08/29/95	11:04:54	0.0141483	0.002	0.013042923	0.002	Ô	0.0007	0.0029844	0.0012	0	0.043
08/29/95	11:09:55	0.012723	0.002	0.011837896	0.002	0	0.0006	0.0034297	0.0012	. 0	0.043
	11:14:54	0.0128454	0.002	0.012734622	0.002	0	0.0006	0.0031006	0.0012	. 0	0.043
08/29/95	11:19:54	0.0137413	0.002	0.01351966	0.002	0	0.0007	0.0028812	0.0013	0	0.044
08/29/95	11:24:55	0.0121988	0.002	0.011976976	0.002	0	0.0006	0.0034378	0.0012	0	0.044
08/29/95		0.0138698	0.002	0.013204086	0.002	0	0.0007	0.0029959	0.0012	0	0.043
08/29/95		0.0135444	0.002	0.013433358	0.002	0	0.0007	0.0026645	0.0013	0	0.043
08/29/95	11:39:56	0.0134506	0.002	0.012227799	0.002	0	0.0007	0.0028902	0.0012	0	0.044
Downwind											
Run 16											Ll
08/29/95		0.0032984	0.002	0	0.003	0	0.0008	0.0084658	0.0014	0.2335254	0.18
08/29/95		0.0036302	0.002	0	0.003	0	0.0008	0.0083605	0.0015		0.184
08/29/95		0	0.002	0	0.003	0	0.0008	0.0084752			0.173
08/29/95		0	0.002	0	0.003	0	0.0008	0.0084831	0.0014	0.2130678	0.167
08/29/95		0.0024224	0.002	0	0.003	0	0.0008	0.0084784	0.0014	0.2163633	0.174
08/29/95		0.0028634	0.002	0	0.003	0	0.0007	0.0083698	0.0014	0.2158526	0.172
08/29/95		0.0025325	0.002	0	0.003	0	0.0007	0.0085885	0.0013	0.2328796	0.179
08/29/95		0.0035228	0.002	0	0.002	0	0.0007	0.0083667	0.0013	0.2218278	0.169
08/29/95		0.0029718	0.002		0.002	0	0.0007	0.0083652	0.0013	0.2063774	0.163
08/29/95		0.0034108	0.002	0	0.002	0	0.0007	0.0083621	0.0013	0.2111424	0.169
08/29/95		0.0032966	0.002		0.003	0	0.0007	0.0083513	0.0014	0.2222976	0.175
08/29/95		0.0034014	0.002	0	0.003			0.0083389	0.0014	0.2351356	0.182
08/29/95		0.0027415	0.002	0	0.003	0		0.0085536	0.0014	0.2540861	0.198
08/29/95	23.19.59	0.0032905	0.002	0	0.003	0	0.0007	0.0084455	0.0014	0.2475522	0.195

Site: Bee	f processin										
Upwind da	ata in ppm										
Date	Time	CL3F_		CCL4		TCFM	<u> </u>	CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm_	95% CI
08/29/95	23:24:59	0.0036202	0.002	0	0.003	0	0.0007	0.0083374	0.0014	0.2298263	0.183
08/29/95	23:30:00	0.0036202	0.002	0	0.002	0	0.0007	0.0083374	0.0013	0.210409	0.17
08/29/95	23:35:00	0.004171	0.002	0	0.002	0	0.0007	0.0082322	0.0013	0.2144774	0.171
	23:39:59	0.0040597	0.002	0	0.002	0	0.0007	0.0083389	0.0013	0.2105577	0.171
08/29/95	23:45:00	0.004497	0.002	0	0.002	0	0.0007	0.0081165	0.0013	0.2114669	0.171
08/29/95	23:50:00	0.0047146	0.002	0	0.002	0	0.0007	0.0082231	0.0013	0.1997666	0.166
08/29/95	23:54:59	0.0049311	0.002	0	0.002	0	0.0007	0.008109	0.0013	0.2014088	0.165
08/29/95	23:59:59	0.0049293	0.002	0	0.002	0	0.0007	0.0081059	0.0013	0.2029773	0.166
08/30/95	00:05:00	0.005256	0.002	0	0.002	0	0.0007	0.0081029	0.0013	0.2056395	0.166
08/30/95	00:10:00	0.0050351	0.002	0	0.002	0	0.0007	0.0080999	0.0013	0.2012943	0.166
08/30/95	00:14:59	0.0050342	0.002	0	0.002	0	0.0007	0.0080984	0.0013	0.1955661	0.162
08/30/95	00:20:00	0.005036	0.002	0	0.002	0	0.0007	0.0081014	0.0013	0.1979378	0.163
08/30/95	00:25:00	0.0050342	0.002	0	0.002	0	0.0007	0.0080984	0.0013	0.1930491	0.159
08/30/95	00:29:59	0.0056908	0.002	0	0.002	0	0.0007	0.0078796	0.0013	0.1935962	0.159
08/30/95	00:34:59	0.005253	0.002	0	0.002	0	0.0007	0.0080984	0.0013	0.1974266	0.163
08/30/95	00:40:00	0.0052521	0.002	0	0.002	0	0.0007	0.0080969	0.0013	0.2057057	0.166
08/30/95	00:45:00	0.0050332	0.002	0	0.002	0	0.0007	0.0080969	0.0013	0.2087694	0.168
08/30/95	00:50:01	0.0054699	0.002	0	0.002	0	0.0007	0.007986	0.0013	0.1953841	0.16
08/30/95	00:55:01	0.0053615	0.002	0	0.002	0	0.0007	0.0080969	0.0013	0.2007819	0.163
08/30/95	01:00:00	0.0049229	0.002	0	0.002	0	0.0007	0.0082048	0.0013	0.1994318	0.164
08/30/95	01:05:00	0.0051388	0.002	0	0.003	0	0.0007	0.0082003	0.0014	0.2158306	0.172
08/30/95	01:10:01	0.0050286	0.002	0	0.003	0	0.0007	0.0081987	0.0014	0.2197259	0.175
08/30/95	01:15:01	0.0044795	0.002	υ	0.003	Û	0.0007	0.0081942	0.0014	0.2133758	0.17
08/30/95	01:20:00	0.0043702	0.002	0	0.003	0	0.0007	0.0081942	0.0014	0.200593	0.165
08/30/95	01:25:00	0.0048072	0.002	0	0.003	0	0.0007	0.0081942	0.0014	0.2026688	0.163
08/30/95	01:30:01	0.0045896	0.002	0	0.003	0	0.0007	0.0080864	0.0014	0.2070775	0.168
08/30/95	01:35:00	0.0044811	0.002	0	0.003	0	0.0007	0.0081972	0.0014	0.1969515	0.162
08/30/95	01:40:00	0.0040432	0.002	0	0.003	0	0.0007	0.0076493	0.0014	0.2247802	0.171
08/30/95	01:45:01	0.004261	0.002	0	0.003	0	0.0007	0.0081942	0.0014	0.2007022	0.164
08/30/95	01:50:01	0.0040409	0.002	0	0.003	. 0	0.0007	0.0083003	0.0014	0.1978972	0.163
08/30/95	01:55:00	0.0042586	0.002	0	0.003	0	0.0007	0.0082988	0.0014	0.2003719	0.164
08/30/95	02:00:00	0.0045862	0.002	0	0.003	0	0.0007	0.0081896	0.0014	0.201027	0.163
08/30/95	02:05:01	0.0039295	0.002	0	0.003	0	0.0008	0.0084048	0.0014	0.2200542	0.178
08/30/95	02:10:00	0.0029461	0.002	0	0.003	0	0.0008	0.0085108	0.0015	0.2176809	0.176
08/30/95	02:15:00	0.0032722	0.002	0	0.003	0	0.0008	0.0085077	0.0015	0.2201085	0.179
08/30/95	02:20:01	0.0031613	0.002	0	0.003	0	0.0008	0.0086119	0.0015	0.2255452	0.181
08/30/95	02:25:01	0.0031625	0.002	0	0.003	0	0.0008	0.0085061	0.0015	0.226392	0.182
08/30/95	02:30:00	-0.0028343	0.002	0	0.003	0	0.0008	0.0086119	0.0015	0.2266347	-0.182
08/30/95	02:35:01	0.0027238	0.002	0	0.003	0	0.0008	0.0086071	0.0015	0.2382746	0.192
	02:40:01	0.0027222	0.002	0	0.003	0	0.0008	0.0087112	0.0015	0.2549102	0.205
08/30/95	02:45:00	0.0028295	0.002	0	0.003	Ö	0.0008	0.0087063	0.0015	0.2562911	0.208
08/30/95	02:50:00	0.0034812	0.002	0	0.003		0.0008	0.0084855	0.0015	0.2508648	0.202
08/30/95		0.0041339	0.002	Ö	0.003	0	0.0008	0.0083767	0.0015	0.2531493	0.202
08/30/95		0.0039193	0.002	Ö	0.003	0	0.0008	0.0083829	0.0015	0.2509426	
08/30/95		0.0038111	0.002	0	0.003	0	0.0008	0.0084934	0.0015	0.2282316	0.183
08/30/95		0.0041378	0.002	Ö	0.003	0	0.0008	0.0083845	0.0015	0.2380316	0.191
08/30/95		0.0047911	0.002	Ö	0.003	0	0.0008	0.0082756	0.0015	0.2344383	0.186
08/30/95		0.0049009	0.002	0	0.003	Ö	0.0008	0.0082771	0.0015	0.2305613	0.183
08/30/95		0.0054455	0.002	ő	0.003	0	0.0008	0.0081682	0.0014	0.2235911	0.18
08/30/95		0.0055544	0.002	Ö	0.003	0	0.0008	0.0081682	+	0.2233733	0.181
08/30/95		0.006537	0.002	0	0.003	0	0.0008	0.0078444	0.0014	0.2072231	0.168
08/30/95		0.0061023	0.002	0	0.003	0	0.0008	0.0079548	.0.0014	0.2082425	0.168
08/30/95		0.0054475	0.002	0	0.003	Ö	0.0008	0.0073348	0.0014	0.2184449	0.175
08/30/95		0.0057722	0.002	0	0.003	0	0.0008	0.0080593	0.0014	0.2101952	0.173
08/30/95		0.0037722	0.002	0	0.003	0	0.0008	0.0080393	0.0014	0.2153023	0.172
08/30/95		0.0063132	0.002	0	0.003	0	0.0008	0.0079459	0.0014	0.2110565	0.172
08/30/95		0.0065397	0.002	0	0.003		0.0007	0.0079459	0.0014	0.2110363	0.17
08/30/95	04:10:01	0.0067461				0		 		 -	· · · · · · · · · · · · · · · · · · ·
08/30/95	04-15-00		0.002	0	0.003	0	0.0008	0.0078312	0.0014	0.21079	0.17
08/30/95		0.0071746	0.002	0	0.003	0	0.0008	0.0077181	0.0014	0.2121936	0.173
08/30/95		0.0067372	0.002	0	0.003	0	0.0008	0.0080412	0.0014	0.2118969	0.179
08/30/95		0.0079281	0.002	0.003583935	0.003	0	0.0008	0.0074937	0.0014	0.1983111	0.163
20120192	U4.3U:01	0.0082508	0.002	0.004342536	0.003	0	8000.0	0.0075994	0.0014	0.2096359	0.167

Site: Beef	processin										
Upwind da	ta in ppm										
Date	Time	CL3F_		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	04:35:00	0.0086818	0.002	0.004775001	0.003	0	0.0008	0.0074881	0.0014	0.2106426	0.173
08/30/95	04:40:00	0.0082477	0.002	0.003906819	0.003	0	0.0007	0.0073795	0.0014	0.1905659	0.163
08/30/95	04:45:00	0.0083563	0.002	0.004015341	0.003	0	0.0007	0.0073795	0.0014	0.1924108	0.163
08/30/95	04:50:01	0.0078151	0.002	0.003364835	0.003	0	0.0008	0.0074895	0.0014	0.1958117	0.163
08/30/95	04:55:01	0.0077051	0.002	0.003798296	0.003	. 0	0.0008	0.0077051	0.0014	0.2093404	0.17
08/30/95	05:00:00	0.0069442	0.002	0.002929565	0.003	0	0.0008	0.0078122	0.0014	0.2202599	0.173
08/30/95	05:05:00	0.0067246	0.002	0	0.003	0	0.0008	0.0079177	0.0014	0.2087888	0.171
08/30/95	05:10:01	0.0074866	0.002	0.003472062	0.003	0	0.0008	0.0077036	0.0014	0.2058281	0.174
08/30/95	05:15:01	0.0073795	0.002	0.00336419	0.003	0	0.0008	0.0077051	0.0014	0.2129207	0.177
08/30/95	05:20:01	0.0060761	0.002	0	0.003	0	0.0008	0.0079207	0.0014	0.2028995	0.168
08/30/95	05:25:02	0.0066186	0.002	0	0.003	0	0.0008	0.0078122	0.0014	0.2024655	0.167
08/30/95	05:30:02	0.0057485	0.002	0	0.003	0	0.0008	0.0080262	0.0014	0.2040165	0.17
08/30/95	05:35:02	0.0048799	0.002	0	0.003	0	0.00081	0.0082415	0.0014	0.2095088	0.172
08/30/95	05:40:03	0.0065065	0.002	0	0.003	0	0.0008	0.0079162	0.0014	0.2188347	0.175
	05:45:03	0.0065065	0.002	0	0.003	0	0.0008	0.0079162	0.0014	0.2015926	0.166
08/30/95	05:50:03	0.0068305	0.002	0	0.003	0	0.0008	0.0078063	0.0014	0.2014463	0.168
08/30/95	05:55:04	0.0069363	0.002	0	0.003	0	0.0008	0.0079118	0.0015	0.2121004	0.173
08/30/95	06:00:04	0.0076907	0.002	0.00346622	0.003	. 0	0.0008	0.007799	0.0015	0.217397	0.172
08/30/95	06:05:03	0.0082292	0.002	0.003898034	0.003	0	0.0008	0.0076878	0.0015	0.2168823	0.178
08/30/95	06:10:04	0.0076863	0.002	0.00335601	0.003	0	0.0008	0.0077946	0.0015	0.2244196	0.176
	06:15:05	0.0083312	0.002	0.004003303	0.003	0	0.0008	0.007682	0.0015	0.2383588	0.184
08/30/95	06:20:04	0.0083249	0.002	0.003459713	0.003	Ō	0.0008	0.00746	0.0014	0.2169889	0.176
08/30/95	06:25:04	0.0088622	0.002	0.00443109	0.003	0	0.0008	0.0074572	0.0015	0.2289036	0.18
08/30/95	06:30:05	0.0085331	0.002	0.003888517	0.003	0	0.0008	0.007669	0.0015	0.2381717	0.184
08/30/95	06:35:04	0.0088555	0.002	0.004427755	0.003	0	0.0008	0.0074516	0.0015	0.2340231	0.182
08/30/95	06:40:04	0.009176	0.002	0.004749948	0.003	0	0.0008	0.0074488	0.0015	0.2399803	0.186
08/30/95	06:45:04	0.0091708	0.002	0.004639371	0.003	0	0.0008	0.0073367	0.0015	0.2380105	0.186
08/30/95	06:50:04	0.0089517	0.002	0.004314067	0.003	0	0.0008	0.0074418	0.0015	0.2389993	0.185
08/30/95	06:55:04	0.0095916	0.002	0.004957436	0.003	0	0.0008	0.0073284	0.0015	0.2311674	0.181
08/30/95	07:00:03	0.0117425	0.002	0.007325618	0.003	0	0.0008	0.0066792	0.0015	0.2282792	0.183
08/30/95	07:05:03	0.013143	0.002	0.008941563	0.003	0	0.0008	0.0061406	0.0015	0.2265555	0.181
08/30/95	07:10:04	0.0134637	0.002	0.009370712	0.003	0	0.0008	0.0060317	0.0015	0.2191885	0.178
08/30/95	07:15:04	0.0134637	0.002	0.009155293	0.003	0	0.0008	0.0060317	0.0015	0.2168189	0.183
08/30/95	07:20:03	0.0138945	0.002	0.009909259	0.003	0	0.0008	0.005924	0.0015	0.211218	0.183
08/30/95	07:25:03	0.0139996	0.002	0.009907388	0.003	0	0.0008	0.0058152	0.0015	0.2078398	0.173
08/30/95	07:30:04	0.0139996	0.002	0.009907388	0.003	0	0.0008	0.0058152	0.0015	0.2093474	0.19
08/30/95	07:35:04	0.0137842	0.002	0.009799699	0.003	0	0.0008	0.0058152	0.0015	0.2228085	0.196
08/30/95	07:40:03	0.013779	0.002	0.00968835	0.003	0	0.0008	0.0059207	0.0015	0.2190643	0.203
08/30/95	07:45:03	0.0147506	0.002	0.010874535	0.003	0	0.0008	0.0054911	0.0015	0	0.21
08/30/95	07:50:04	0.0149688	0.002	0.010984278	0.003	- 0	0.0008	0.0054921	0.0015	0	0.187
08/30/95	07:55:04	0.0150793	0.002	0.011201771	0.003	0	0.0008	0.0053855	0.0015	0	0.204
08/30/95		0.0148695	0.002	0.010775	0.003	0	0.0008	0.0052798		0.2016003	0.168
08/30/95		0.0145464	0.002	0.010667326	0.003	0	0.0008	0.005603	0.0015	0.2247681	0.197
08/30/95		0.0137999	0.002	0.009487434	0.003	0	0.0008	0.005714	0.0015	0.2116345	0.174
08/30/95		0.0134841	0.002	0.009600673	0.003	0	0.0008	0.005933	0.0015	0.2375358	0.202
08/30/95		0.0120931	0.002	0.00766618	0.003	0	0.0008	0.0061545		0.2277179	0.188
08/30/95		0.011884	0.002	0.007454485	0.003	0	0.0008	0.0062661	0.0015	0.2402721	0.195
08/30/95		0.011454	0.002	0.007239774	0.003	0	0.0008	0.0063753	0.0015	0.245504	0.197
08/30/95		0.0116723	0.002	0.007457289	0.003	0	0.0008	0.0062684	0.0015	0.2346344	0.192
08/30/95		0.0128708	0.002	0.008652635	0.003	0	0.0008	0.0059487	0.0015	0.2334048	0.19
08/30/95		0.0120191	0.002	0.008012709	0.003	0	0.0008	0.006172	0.0015	0.2272794	0.186
08/30/95		0.0118136	0.002	0.007803465	0.003	0	0.0008	0.0062861	0.0014	0.2170881	0.178
08/30/95		0.0109547	0.002	0.006941615	0.003	0	0.0008	0.0065078	0.0014	0.2126954	0.176
08/30/95		0.0105057	0.002	0.007815169	0.003	0	0.0008	0.006187	0.0015	0.2120334	0.176
08/30/95		0.0118379	0.002	0.007013103	0.003		0.0008	0.0060819	0.0013	0.2189476	0.179
08/30/95		0.0121751	0.002	0.008587819	0.003	0	0.0008	0.0059789	0.0014	0.2268706	0.179
08/30/95		0.0121751	0.002	0.008159089	0.003	0	0.0008	0.0059789	0.0013	0.2260612	0.184
08/30/95		0.0119756	0.002	0.008491793	0.003	0	0.0008	0.0060921	0.0014	0.218827	0.102
08/30/95		0.0119756								0.216627	
08/30/95		0.0116555	0.002	0.008387617	0.003	0	0.0008	0.0061001	0.0014		0.183
			0.002	0.008069849	0.003	0	8000.0	0.0061069	0.0014	0.2324989	0.187
08/30/95		0.0109073	0.002	0.007744155	0.003	0	0.0008	0.0062171	0.0014	0.2287253	0.183
08/30/95	U9:4U:Ub	0.0108082	0.002	0.007860541	0.003	0	0.0008	0.0063321	0.0014	0.21813	0.179

Site: Beef	processin	· · · · · ·									
Upwind da											
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	09:45:05	0.0104885	0.002	0.007538624	0.003	0	0.0008	0.0064461	0.0014	0.2237551	0.178
08/30/95	09:50:05	0.009844	0.002	0.007328279	0.003	0	0.0008	0.0065626	0.0014	0.2289267	0.182
	09:55:05	0.0093057	0.002	0.006678211	0.003	0	0.0007	0.0066782	0.0014	0.2670189	0.208
08/30/95	10:00:07	0.0089739	0.002	0.006128549	0.002	0	0.0007	0.0067852	0.0012	0.2555386	0.198
08/30/95	10:05:06	0.0093023	0.002	0.006675741	0.002	0	0.0007	0.0066757	0.0013	0.2464552	0.196
	10:10:05	0.0090868	0.002	0.006349781	0.002	0	0.0007	0.0066782	0.0013	0.2338471	0.188
	10:15:05	0.0090935	0.002	0.006464052	0.002	0	0.0007	0.0066832	0.0013	0.233911	0.185
	10:20:41	0.0080038	0.002	0.005482071	0.002	0	0.0007	0.0070171	0.0013	0.2400051	0.189
08/30/95	10:25:34	0.007128	0.002	0.004496131	0.002	0	0.0007	0.0072377	0.0013	0.2271094	0.18
	10:30:33	0.0050472	0.002	0	0.002	0	0.0007	0.0076806	0.0013	0.2239439	0.178
08/30/95	10:35:33	0.0042824	0.002	0	0.003	0	0.0007	0.0080157	0.0014	0.2361881	0.186
	10:40:33	0.0064856	0.002	0.004946656	0.003	0	0.0007	0.0071452	0.0014	0.2412869	0.178
	10:45:34	0.0043962	0.002	0	0.003	0	0.0008	0.0079132	0.0014	0.2403631	0.188
08/30/95	10:50:34	0.0034115	0.002	0	0.003	0	0.0008	0.0082536	0.0015	0.2156932	0.174
08/30/95	10:55:33	0.0038545	0.002	0	0.003	0	0.0008	0.0081495	0.0014	0.2197069	0.174
08/30/95	11:00:33	0.0040748	0.002	0	0.003	0	0.0007	0.0080394	0.0014	0.2226803	0.177
08/30/95		0.0040733	0.002	0	0.003	0	0.0008	0.0080364	0.0014	0.2354785	0.185
08/30/95		0.0031937	0.002	0	0.003	0	0.0007	0.0082596	0.0014	0.237988	0.19
08/30/95	11:15:33	0.0031337	0.002	0	0.003	0	0.0007	0.008379	0.0014	0.2357154	0.188
08/30/95	11:20:33	0.0023338	0.002	0	0.002	0	0.0007	0.0082718	0.0013	0.2410962	0.189
08/30/95	11:25:34	0.0051504	0.002	0.003751275	0.002	0	0.0007	0.0077232	0.0013	0.235889	0.188
	11:30:34	0.0033373	0.002	0.006180843	0.002	0	0.0007	0.0077232	0.0014	0.2270356	0.182
	11:35:33	0.0071821	0.002	0.006629639	0.003	0	0.0008	0.0071821	0.0014	0.2422028	0.178
08/30/95	11:40:33	0.0071021	0.002	0.007845073	0.003	- 0	0.0008	0.0066296	0.0014	0.2807652	0.19
08/30/95	11:45:34	0.0074031	0.002	0.005856181	0.003	0	0.0008	0.0030230	0.0015	0.2339158	0.185
08/30/95		0.0066369	0.002	0.005088312	0.003	0	0.0008	0.0074031	0.0013	0.2492167	0.193
08/30/95	11:55:33	0.0066418	0.002	0.005092045	0.003	0	0.0008	0.0076381	0.0015	0.2336806	0.184
08/30/95	12:00:33	0.000418	0.002	0.003032043	0.003	. 0	0.0008	0.0070381	0.0015	0.2362025	0.184
08/30/95	12:05:34	0.0035488	0.002	0	0.003	. 0	0.0008	0.0081940	0.0015	0.2369923	0.183
	12:10:34	0.0033486	0.002	0	0.003	0	0.0008	0.005633	0.0015	0.2792095	0.204
08/30/95	12:15:34	0.0028866	0.002	. 0	0.003	0	0.0008	0.0075494	0.0015	0.2519073	0.18
08/30/95	12:20:35	0.0028860	0.002	0.005106979	0.003	0	0.0008	0.0075494	0.0015	0.2319073	0.192
1	12:25:35	0.0048867	0.002	0.003108979	0.003	- 0	0.0008		0.0015	0.2624392	0.132
	12:30:35	0.0048887	0.002	0.004109289	0.003		0.0008	0.0078854	0.0015	0.2676189	0.202
	12:35:36	0.0083388	0.002		0.003	0	0.0008	0.006671	0.0015	0.2883271	0.203
08/30/95	12:40:36	0.0092434	0.002	0.009243395	0.003		0.0008		0.0016	0.300683	0.229
08/30/95	12:45:36	0.0096109	0.002	0.010033915		0	0.0008	0.0061318		0.2659471	0.223
	12:50:36	0.0094834		0.008920659	0.003	0	0.0009	0.006356	0.0015		0.182
08/30/95	12:55:37	0.0094834			0.003			0.0061363	0.0016	0.2403199	0.162
		0.0094868	0.002	0.008697643	0.003	0	0.0008	0.0064675	0.0015	0.2665047	
08/30/95	13:00:37			0.009933262	0.003	0	0.0008	0.0061385	0.0016	0.2619479	0.199
		0.0089499	0.002	0.010851726	0.003	0	0.0008	0.0058174	0.0016	0.3380816	0.232
	13:10:36		0.002		0.003	0			0.0016		
08/30/95		0.0081742			0.003	0	0.0009	0.0063826	0.0016	0.2792654	0.21
08/30/95		0.0088476	0.002		0.003	0	0.0009	0.0061597	0.0016	0.279764	0.211
08/30/95		0.0075078	·	0.009748878	0.003	0	0.0009	0.006051	0.0016	0.297733	0.206
	13:30:36	0.0076253	0.002	0.00852243	0.003	0	0.0008	0.006504	0.0016	0.2629618	0.197
08/30/95		0.0081845	0.002	0.009081472	0.003	0	0.0009	0.0063907	0.0016	0.268408	0.199
·	13:40:37	0.0078595		0.008870062	0.003	0	0.0009	0.0063999	0.0017	0.2630703	0.197
	13:45:36	0.0064034			0.003	0	0.0008	0.0068528	0.0015	0.246701	0.184
08/30/95		0.0070762	0.003		0.003	0	0.0009	0.0067392	0.0016	0.2521601	0.19
	13:55:37		0.003		0.003	0	0.0009	0.0066281	0.0017	0.2726518	0.188
08/30/95		0.0074279	•	0.008553347	0.003	0	0.0009	0.0066401	0.0017	0.284849	0.21
08/30/95		0.0074279	0.003	0.008553347	0.003	0	0.0009	0.0066401	0.0016	0.2859744	0.209
08/30/95		0.0073193	0.003	0.008557975	0.003	. 0	0.0009	0.0066437	0.0017	0.2612435	0.196
08/30/95		0.005406	0.003	0.007996392	0.003	0	0.0009	0.0067575	0.0017	0.2887711	0.198
08/30/95		0.0049564	0.003	0.006984023	0.003	0	0.0009	0.0068714	0.0016	0.2985107	0.204
08/30/95		0.0053001	0.003	0.005976726	0.003	0	0.0009	0.0072172	0.0016	0.266359	0.2
08/30/95		0.0039441	0.002	0.005747047	0.003	0	0.0009	0.0069866	0.0016	0.2811545	0.196
	14:35:37	0.0049636	0.003	0.005978878	0.003	0	0.0009	0.0073326	0.0016	0.245698	0.185
08/30/95		0.00507	0.002	0.005633344	0.003	0	0.0008	0.0073233	0.0016	0.2449378	0.186
08/30/95	14:45:36	0.0051864	0.003	0.005862902	0.003	0	0.0009	0.0073286	0.0016	0.2493988	0.19
108/30/95	14:50:36	0.0072198	0.003	0.008460677	0.003	_ 0	0.0009	0.0067685	0.0016	0.2420882	0.182

Site: Beef	fprocessin	ı.		<u> </u>			<u> </u>				
Upwind da		l									
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	14:56:11	0.0075637	0.003	0.008918419	0.003	0	0.0009	0.0065477	0.0016	0.2526509	0.192
08/30/95	15:01:11	0.0067832	0.003	0.008139879	0.003	0	0.0009	0.0068963	0.0017	0.2425006	0.185
08/30/95	15:06:12	0.0055426	0.003	0.006673774	0.003	0	0.0009	0.0071262	0.0017	0.2480608	0.186
Run 17											
08/30/95	17:24:51	0.0169577	0.003	0.021054829	0.004	0	0.0011	0.0028452	0.0021	0.4344123	0.272
	17:29:52	0.0171607	0.003	0.019206378	0.004	0	0.001	0.0031821	0.0019	0.3517381	0.266
08/30/95	17:34:52	0.0177163	0.003	0.019987592	0.004	0	0.0012	0.0031798	0.0022	0.4500615	0.337
08/30/95	17:39:51	0.0195263	0.004	0.021910363	0.004	0	0.0012	0	0.0023	0.504506	0.374
08/30/95	17:44:52	0.018271	0.003	0.020200245	0.004	0	0.0011	0.0030641	0.0021	0.4654	0.354
08/30/95	17:49:52	0.0185915	0.004	0.020631978	0.004	0	0.0012	0.0027207	0.0023	0.558197	0.445
	17:54:51	0.0199303	0.004	0.022195139	0.005	0	0.0013	0	0.0025	0.4508104	0.357
	17:59:51	0.0208213	0.004	0.023197628	0.005	0	0.0014	0	0.0026	0.555951	0.436
	18:04:52	0.0230889	0.004	0.025126126	0.005	0	0.0015	0	0.0028	0	0.708
08/30/95	18:09:51	0.0232859	0.004	0.025885781	0.005	0	0.0014	0	0.0027	0.6377624	0.506
	18:14:51	0.0241423	0.004	0.026285796	0.005	0	0.0014	0	0.0026	0.4742725	0.399
	18:19:52	0.0233568	0.004	0.025500692	0.005	0	0.0014	0	0.0026	0.5172353	0.417
	18:24:51	0.0233824	0.004	0.026036671	0.005	0	0.0015	0	0.0027	0.6079732	0.512
08/30/95	18:29:51	0.0237824	0.004	0.026948359	0.005	0	0.0015	0	0.0027	0.0079732	0.69
	18:34:52	0.0243803	0.004	0.026948339	0.005	0	0.0016	0	0.0029	0	0.599
	18:39:51	0.0247971	0.005	0.027502201	_	0		0		0.7445941	0.599
	18:44:51				0.006		0.0019	0	0.0035	0.7445941	0.623
	18:44:51	0.0273598 0.0256663	0.006	0.029836837	0.007	0	0.002				
			0.005	0.0280303	0.006	0	0.0017	0	0.0031	0.6753164	0.562
	18:54:51	0.0251125	0.004	0.028153047	0.005	. 0	0.0016	0	0.0029	0.8173393	0.623
08/30/95		0.0227436	0.004	0.025333164	0.005	0	0.0015	0	0.0028	0.5126306	0.333
	19:04:52	0.0190403	0.003	0.020608309	0.003	0	0.001	0.003136	0.0018	0	0.521
-	19:09:51	0.0201199	0.003	0.021461203	0.004	0	0.001	0.0029062	0.0019	0	0.517
	19:14:52	0.0205408	0.003	0.021768766	0.004	0	0.001	0.0027909	0.0019	0	0.514
	19:19:52	0.0223977	0.003	0.023511999	0.004	0	0.0011	0	0.002	. 0	0.521
	19:24:52	0.0235803	0.003	0.024692582	0.004	0	0.0011	0	0.002	0	0.538
	19:29:51	0.0248831	0.003	0.025216396	0.004	. 0	0.0011	0	0.0021	0	0.183
	19:34:51	0.02419	0.003	0.025077726	0.004	0	0.0011	. 0	0.0021	0	0.528
08/30/95	19:39:52	0.0241767	0.003	0.024287617	0.004	. 0	0.0011	. 0	0.0021	0.2088291	0.178
08/30/95	19:44:51	0.0260525	0.003	0.026274217	0.004	0	0.0011	0	0.0021	0	0.524
08/30/95	19:49:51	0.0279114	0.003	0.027800662	0.004	0	0.0012	0	0.0022	0	0.284
08/30/95	19:54:52	0.0298612	0.004	0.029308186	0.004	0	0.0013	0	0.0024	0.2347973	0.192
08/30/95	19:59:51	0.0289125	0.004	0.029243574	0.004	0	0.0013	0	0.0024	0.2676063	0.212
08/30/95	20:04:51	0.0296073	0.004	0.030049245	0.005	0	0.0013	0	0.0025	o	0.266
08/30/95	20:09:52	0.0291923	0.004	0.029192296	0.005	0	0.0013	0	0.0025	0.214298	0.177
08/30/95	20:14:52	0.0285393	0.004	0.028428714	0.004	0	0.0013	0	0.0024	0.2124963	0.183
08/30/95	20:19:53	0.02875	0.004	0.02941345	0.005	0	0.0013	0	0.0024	0.2198268	0.192
08/30/95	20:24:53	0.0289765	0.004	0.029750653	0.005	0	0.0013	0	0.0025	0	0.514
	20:29:52		0.004		0.005		0.0013	0		0.2273311	0.185
08/30/95		0.0283764	0.004	0.028818031	0.005	0	0.0013	0	0.0025	0.2639997	0.205
08/30/95		0.0271568	0.004	0.02715682	0.005	0	0.0013	0	0.0025	0.3064526	0.252
08/30/95		0.0275882	0.004	0.027919286	0.005	0	0.0014	0	0.0025	0.419341	0.305
08/30/95		0.0273372	0.004	0.027116762	0.005	0	0.0014	. 0	0.0023	0.3788631	0.303
08/30/95		0.0273372	0.004	0.026996571	0.005	0	0.0013	0	0.0024	0.4311738	0.363
08/30/95		0.0271018	0.004	0.027542439	0.003	0	0.0013	0	0.0023	0.6040608	0.529
08/30/95		0.0267169	0.003	0.027046741	0.004	0	0.0013	0	0.0024	0.0040606	0.108
08/30/95		0.0267773	0.003								
08/30/95			-	0.026777274	0.004	0	0.001	0	0.0019	0 2512527	0.043
08/30/95		0.026707	0.003	0.026377303	0.004	0	0.0011	0	0.002	0.2513537	0.199
		0.0277958	0.004	0.028235254	0.004	0	0.0013	0	0.0024	0.4848334	0.361
08/30/95		0.0287899	0.004	0.029119555	0.005	0	0.0014	0	0.0025	0.3909712	0.28
	21:29:53		0.004	0.027106503	0.004	0		0	0.0024	0.4395204	0.324
08/30/95		0.027181	0.004	0.027180983	0.005	0	0.0013	0	0.0024	0	0.539
08/30/95		0.0283242	0.004	0.028543724	0.005	0	0.0013	0	+	0.3655792	0.269
08/30/95	$\overline{}$	0.0281098	0.004	0.028109789	0.004	0	0.0013	0	0.0024	0.4317488	0.324
08/30/95		0.0268273	0.004	0.026389301	0.004	0	0.0013	0	0.0024	0.4356972	0.329
08/30/95	21:54:53	0.0271256	0.004	0.026578684	0.005	0	0.0013	0	0.0025	0.4613535	0.347
08/30/95	21:59:54	0.0263697	0.004	0.026041466	0.004	Õ	0.0012	0	0.0023	0.3737716	0.272
08/30/95		0.0279171	0.004	0.027698152	0.004	0	0.0013	0	0.0024	0.3796727	0.285
08/30/95	22:09:53	0.0281726	0.004	0.028062989	0.004	0	0.0013	0	0.0024	0.3557203	0.264
											•

Site Beef	processin										
Upwind da					-	-					
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/30/95	22:14:53	0.0271356	0.003	0.026697974	0.004	0	0.0012	0	0.0022	0.3227829	0.243
	22:19:54	0.0273494	0.004	0.027130608	0.004	0	0.0012	0	0.0023	0.3438367	0.26
	22:24:54	0.0262165	0.003	0.02523336	0.004	0	0.0011	0	0.0021	0.3968519	0.295
00,00,00	22:29:54	0.0252673	0.003	0.02385146	0.004	0	0.0011	0	0.002	0.3254254	0.25
08/30/95	22:34:55	0.0225404	0.003	0.020689255	0.003	0	0.0009	0.0025045	0.0017	0	0.288
08/30/95	22:39:55	0.019979	0.002	0.01790468	0.003	Ö	0.0008	0.0034936	0.0016	0	0.19
	22:44:55	0.0224016	0.003	0.020981055	0.003	0	0.001	0.0025134	0.0018	0	0.209
	22:49:56	0.0224058	0.003	0.020984951	0.003	ő	0.001	0.0026231	0.0018	0	0.523
08/30/95	22:54:55	0.0225402	0.003	0.021227162	0.003	0	0.001	0.002626	0.0019	0	0.323
08/30/95	22:59:55	0.0224391	0.003	0.021125575	0.003	ŏ	0.001	0.002627	0.0019	- 0	0.251
08/30/95	23:04:56	0.0224331	0.003	0.021989043	0.004	Ö	0.001	0.0022974	0.0019	0	0.211
	23:09:56	0.0231324	0.003	0.023297501	0.004	ō	0.0011	0.0022374	0.002	0	0.192
08/30/95	23:14:56	0.0249243	0.003	0.02404976	0.004	0	0.0011	0	0.0021	0	0.132
08/30/95	23:14:56	0.0243243	0.003	0.024250383	0.004	0	0.0011	0	0.0021	0	0.183
		0.0255427	0.003	0.024250383	0.004	0	0.0011	0	0.0021	0.2197975	0.183
	23:24:56			0.023463981			0.0011				
	23:29:56	0.0238872	0.003		0.004	0			0.002	0.2373651	0.21
	23:34:55	0.0247505	0.003	0.023551157	0.004	0	0.0011	0	0.0021		0.204
08/30/95	23:39:55	0.0256983	0.003	0.024391619	0.004	. 0	0.0011	0	0.0021	0.0000010	0.269
08/30/95	23:44:56	0.0261096	0.003	0.024912938	0.004	0	0.0012	0	0.0022	0.2336812	0.207
	23:49:56	0.0258968	0.003	0.024699876	0.004	0	0.0012	0	0.0021	0	0.233
	23.54.55	0.0259064	0.003	0.024817935	0.004	0	0.0011	0	0.0021	0.0004770	0.203
	23:59:55	0.0264704	0.003	0.025381091	0.004	0	0.0012	0	0.0021	0.2021773	0.186
	00:04:56	0.0270201	0.003	0.026039529	0.004		0.001Z	Ū	0.0022	0.2054835	0. i74
	00:09:56	0.0270251	0.003	0.026262321	0.004	0	0.0012	0	0.0022	0.2140216	0.188
	00:14:55	0.0272482	0.003	0.026485268	0.004	0	0.0012	0	0.0022	0	0.182
	00:19:55	0.0279022	0.003	0.027139225	0.004	0	0.0012	0	0.0022	0.1813641	0.164
	00:24:56	0.0281202	0.003	0.027248218	0.004	0	0.0012	0	0.0022	0.1794023	0.162
	00:29:56	0.0283223	0.003	0.027341944	0.004	0	0.0012	0	0.0022	. 0	0.161
	00:34:55	0.0275547	0.003	0.026683384	0.004		0.0012	0	0.0022	0	0.181
	00:39:55	0.0278607	0.003	0.026881265	0.004	0	0.0012	0	0.0022	0	0.186
	00:44:55	0.0280784	0.003	0.02742542	0.004	0	0.0012	0	0.0023	. 0	0.24
	00:49:56	0.0292701	0.004	0.028834853	0.004	0	0.0013		0.0023	0	0.533
	00:54:56	0.0295745	0.004	0.029139558	0.004	0	0.0013	0	0.0024	0	0.235
08/31/95		0.0288951	0.004	0.028243373	0.004	0	0.0013	0	0.0023	0.2046558	0.177
	01:04:57	0.0286565	0.004	0.027679558	0.004	0	0.0012	0	0.0023	0.2020065	0.182
08/31/95		0.0289659	0.004	0.028097999	0.004	0	0.0013	0	0.0023	0.2310762	0.204
	01:14:56	0.0288306	0.004	0.027963503	0.004	0	0.0013	0	0.0023	0.2314034	0.19
	01:19:56	0.0294863	0.004	0.028619029	0.004	0	0.0013	0	0.0024	-0.2284102	0.19
	01:24:57	0.030148	0.004	0.029388852	0.004	0	0.0013	0	0.0024	0.211578	0.188
	01:29:57	0.0303705	0.004	0.029828209	0.005	0	0.0013	0	0.0024	0.2228981	0.194
	01:34:57	0.0301423	0.004	0.029600211	0.004	0	0.0013	0	0.0024	0.2341995	0.21
08/31/95	01:39:57	0.0304676	0.004	0.029817062	0.004	0	0.0013	0	0.0024	0.2133817	0.191
08/31/95		0.0306902	0.004	0.030147973	0.005	0		0	0.0024	0.2161328	0.188
08/31/95		0.0310213	0.004	0.030479006	0.005	0	0.0013	0	0.0025	0.2051096	0.182
08/31/95		0.0305818	0.004	0.029822636	0.004	0	0.0013	. 0	0.0024	0.2078909	0.186
08/31/95		0.0307929	0.004	0.030033913	0.005	0	0.0013	0	0.0024	0.2049245	0.181
08/31/95		0.0299199	0.004	0.029269461	0.004	0	0.0013	0	0.0024	0.2201714	0.182
08/31/95		0.0301423	0.004	0.029600211	0.004	0	0.0013	0	0.0024	0	0.21
08/31/95		0.0304733	0.004	0.029931082	0.004	0	0.0013	0	0.0024	0	0.188
08/31/95	02:19:59	0.0312266	0.004	0.030792893	0.005	0	0.0013	0	0.0025	0	0.227
08/31/95	02:24:59	0.0319796	0.004	0.031545975	0.005	0	0.0014	0	0.0025	0	0.207
08/31/95		0.0316544	0.004	0.031112353	0.005	0	0.0013	0	0.0025	0.1967558	0.169
08/31/95		0.0327446	0.004	0.031985576	0.005	0	0.0014	0	0.0026	0.1923472	0.163
08/31/95		0.0317628	0.004	0.03143757	0.005	0	0.0014	0	0.0025	0	0.523
08/31/95	02:44:59	0.0321844	0.004	0.031967639	0.005	0	0.0014	0	0.0026	0.2145625	0.181
08/31/95		0.0319617	0.004	0.031419937	0.005	0	0.0014	ō	0.0026	0.2059631	0.185
08/31/95		0.0326116	0.004	0.0319615	0.005	0	0.0014	0	0.0026	0.2112709	0.184
Run 18						<u>-</u>				1	
08/31/95	10:19:55	0.0320029	0.004	0.032002905	0.005	0	0.0013	0	0.0025	0.3369013	0.275
08/31/95	10:24:55	0.0323623	0.004	0.032002903	0.003	0	0.0013	0	0.0024	0.2863883	0.23
08/31/95		0.0311332	0.003	0.031204147	0.004	0	0.0013	- 0	0.0022	0.2995182	+
08/31/95					-					·	
20,01,00	10.04.00	0.0309775	0.004	0.030759395	0.004	<u> </u>	0.0013	0	0.0024	0.2691992	1 0.225

Site: Bee	processin										
Upwind da	ta in ppm Time	CL3F		CCL4		TCFM		CL2F2		HCC	├ ──
Date	Time	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/31/95	10:39:56	0.0307936	0.004	0.031230401	0.004	0	0.0013	0	0.0024	0	0.149
08/31/95	10:44:56	0.0289587	0.003	0.029177252	0.004	0	0.0012	0	0.0022	0	0.103
08/31/95	10:49:55	0.0280115	0.003	0.027902049	0.004	0	0.0011	0	0.0021	0	0.133
08/31/95	10:54:55	0.0254042	0.003	0.025404154	0.004	0	0.0011	0	0.002	0	0.132
08/31/95	10:59:55	0.0248612	0.003	0.024642198	0.004	0	0.001	0	0.0019	0.2022851	0.17
08/31/95	11:04:56	0.0244277	0.003	0.024318123	0.004		0.001	0	0.0019	0.2173295	0.178
08/31/95	11:09:56	0.0239674	0.003	0.023857924	0.004	0	0.001	0	0.0019	0.1580314	0.144
	11:14:55	0.0255278	0.003	0.025527785	0.004	0	0.0011	0	0.002	0	0.073
08/31/95 08/31/95	11:19:55 11:24:56	0.02609 0.0267527	0.003	0.026747757 0.027300901	0.004	0	0.0011	0	0.0021	0	0.047
	11:29:56	0.0267527	0.003	0.027096596	0.004	0	0.0011	0	0.002	0	0.044
	11:34:56	0.0272213	0.003	0.027989687	0.004	0	0.0012	ō	0.0021	0	0.066
08/31/95	11:39:56	0.0257707	0.003	0.026318986	0.004	0	0.0011	0	0.002	0	0.112
08/31/95	11:44:57	0.0252224	0.003	0.025551349	0.004	0	0.0011	0	0.002	0	0.136
08/31/95	11:49:57	0.0242488	0.003	0.024687689	0.004	0	0.0011	0	0.002	0.2145086	0.174
08/31/95	11:54:57	0.0232827	0.003	0.023612182	0.004	0	0.001	0	0.0019	0.1720944	0.148
08/31/95	11:59:56	0.0216473	0.003	0.02208683	0.003	0	0.001	0.0023076	0.0018	0	0.132
08/31/95	12:04:58	0.0215453	0.003	0.022094954	0.003		0.001	0.0021985	0.0018	0.2165525	0.177
	12:09:58	0.0211522	0.003	0.021703025	0.003	0	0.001	0.0025339	0.0018	0	0.102
08/31/95	12:14:57	0.0233256	0.003	0.023985708	0.004	0	0.0011	0	0,002	0.2664834	0.216
08/31/95 08/31/95	12:19:58 12:24:58	0.0195919 0.0192864	0.003	0.020362321	0.003	0	0.0009	0.0027517	0.0018	0	0.141 0.123
	12:29:58	0.0192884	0.003	0.020369798	0.003		0.0009	0.0029736	0.0017	0.2133874	0.123
	12:34:58	0.0204912	0.003	0.020303730	0.003		0.001	0.0027327	0.0019	0.2243016	0.183
08/31/95	12:39:57	0.0202746	0.003	0.021045905	0.004	0	0.001	0.0026445	0.0019	0.2640104	0.213
08/31/95	12:44:58	0.0197309	0.003	0.020392257	0.003	0	0.001	0.0028659	0.0019	0.2681857	0.216
08/31/95	12:49:57	0.0196279	0.003	0.020510006	0.003	0	0.001	0.002867	0.0019	0.2326673	0.193
08/31/95	12:54:57	0.019966	0.003	0.021179381	0.004	0	0.001	0.0026474	0.0019	0.2613227	0.206
	12:59:58	0.0188733	0.003	0.019866586	0.003	. 0	0.001	0.0030904	0.0018	0.2227265	0.182
!	13:04:58	0.0186662	0.003	0.019549789	0.003	0	0.0009	0.0032031	0.0017	0	0.137
	13:09:57	0.0203192	0.003		0.004	0	0.001	0.0026503	0.0019	0.2268244	0.184
	13:14:57 13:19:58	0.0197707	0.003	0.020875199	0.003	0	0.001	0.0026508	0.0019	0.2428813 0.282371	0.197
	13:24:58	0.0199879	0.003	0.020981808	0.004	0	0.0011	0.0026503	0.0019	0.262371	0.197
	13:29:58	0.0186867		0.019792452	0.003	Ö	0.001	0.003096	0.0019	0.2412689	0.137
	13:34:58	0.0188111	0.003	0.020028238	0.004	0	0.001	0.0030983	0.0019	0.2414454	0.197
	13:39:59	0.0185863	0.003	0.019913945	0.003	0	0.001	0.0032084	0.0019	0.2169514	0.182
08/31/95	13:44:59	0.0186936	0.003	0.019910305	0.003	0	0.001	0.0030972	0.0019	0.2435694	0.201
08/31/95	13:49:58	0.0180365	0.003	0.019364319	0.003	. 0	0.001	0.0034303	0.0019	0.2236302	0.185
	13:54:59	0.0170499	0.003	0.018710652	0.003	0	0.001	0.0037643	0.0018	0.2187707	0.18
	13:59:59	0.0184994	0.003	0.020160975	0.004	0	0.001	0.0032125	0.0019	0.2451442	0.196
		0.0185095		0.020172017	0.004	0	0.0011	0.0031034	0.002	0.2059319	0.173
<u> </u>	+	0.0214068		0.023181475	0.004	0	0.0011	0	0.0021	0.235475	0.19
08/31/95 08/31/95		0.0191885	0.003 (0.020852236	0.004	0	0.0011	0.0028838	0.002	0.2669752	0.213
08/31/95				0.020538276 0.021989517	0.004	0	0.0011	0.0029975	0.002	0.2421296	0.195
08/31/95				0.021989517	0.004	0	0.0011	0.0025534	0.0021		0.193
08/31/95		0.0194352		0.020878935	0.004	0	0.0011	0.0025554	0.002	0.2294462	0.177
08/31/95		0.0195534	0.003	0.021108739	0.004	0	0.0011	0.0025553	0.002	0.2108652	0.173
08/31/95		0.0201162		0.021783261	0.004	0	0.0011	0.0024451	0.002	0.2619548	0.21
08/31/95	14:50:00	0.0204533		0.021898386	0.004	0	0.0011	0	0.002		0.181
08/31/95		0.0195676		0.022013551	0.004	0	0.0011	0.002446	0.002	0.3004071	0.216
08/31/95		0.0196788		0.021457653	0.004	0	0.0011	0.0025571	0.002	0.245818	0.194
08/31/95		0.0212509		0.023809855	0.004	0	0.0011	0	0.0021	, _	0.173
08/31/95		0.0205833		0.022252201	0.004	0	0.0011	0	0.0021	0.2314229	0.187
08/31/95		0.0219344	0.003	0.023715836	0.004	0	0.0012	0 0000000	0.0022	0.2065393	0.17
08/31/95 08/31/95		0.0201677 0.0203942	0.003	0.021727583 0.021842974	0.004	0	0.0011	0.0023399	0.002	0.2004509	0.166
08/31/95		0.0203942	0.003	0.021842974	0.004	0	0.0011	0.0025627	0.002	0.204945	0.168 0.174
08/31/95		0.0207323	0.003	0.022292798	0.004	0	0.0011	0.0023627	0.0019	0.2187243	0.174
08/31/95		0.0215204		0.023192932	0.004	0	0.0011	0	0.0021	0.2327099	0.183
08/31/95		0.0214322		0.022994946	0.004	0	0.0011	0		0.2077359	0.17

0.083195 55:5001 0.0217631 0.003 0.00221997 0.004 0.0011 0.00211 0.202413 0.7026 0.0037195 0.0037195 0.003010 0.0030102 0.003 0.00276543 0.004 0.0011 0.00211 0.002213 0.7025 0.0037195 0.0037195 0.003010 0.002010 0.0030102 0.003 0.002165439 0.004 0.0011 0.002214 0.002 0.002554 0.194 0.0037195 0.0037195 0.002002 0.003 0.002165499 0.004 0.0011 0.002314 0.002 0.002554 0.194 0.0037195 0.0037195 0.002002 0.003 0.00210193 0.004 0.0011 0.00211 0.002214 0.0025 0.0037195 0.0037195 0.0020 0.0037195 0.003 0.00210193 0.004 0.0011 0.00211 0.002210 0.0025 0.0037195 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0037195 0.0030 0.0030 0.0030 0.0030 0.0030 0.0037195 0.0030 0.0037195 0.00300 0.00300 0.00300 0.00300 0.00300	Site: Beef	processin										
Begrings SSS00 O.0217691 O.003 O.02216987 O.004 O.0011 O.0021 O.0221691 O.10267089 SSS502 O.0213128 O.003 O.02216987 O.004 O.0041 O.0011 O.0021 O.0021 O.243253 O.10267089 SSS502 O.003 O.0221691597 O.004 O.0011 O.0011 O.0021 O.00210 O.00210 O.00310 O.003101 O.00310 O.00210 O.00310 O.0	Upwind da	ta in ppm										
0823195 55500 0.0217831 0.003 0.00221987 0.004 0 0.0011 0 0.0021 0.224263 0.104 0.003192 0.003 0.002705434 0.004 0 0.0011 0 0.0021 0.242363 0.104 0.003195 0.003105 0.002003 0.0020032439 0.004 0 0.0011 0.002214 0.002 0.002563 0.104 0.003195 0.00310 0.00200310 0.003103	Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
0683195 56.502 0.0213128 0.003 0.022763494 0.004 0.0011 0.0020 0.02265263 0.10803195 16.00301 0.02200827 0.003 0.021545009 0.004 0.0011 0.0022 0.22502654 0.118063195 16.00301 0.02020827 0.003 0.021545009 0.004 0.0011 0.0021 0.00221 0.22502654 0.118063195 16.0031 0.0202532 0.003 0.002165003 0.004 0.0011 0.0021 0.00221 0.22502654 0.118063195 16.0031 0.0196352 0.003 0.022502659 0.118063195 16.0031 0.0196352 0.003 0.002200266 0.004 0.0011 0.002 0.00221650 0.0263195 0.023030 0.003190 0.0030300 0.0030300			ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
0683195 56.502 0.0213128 0.003 0.022763494 0.004 0.0011 0.0020 0.02265263 0.10803195 16.00301 0.02200827 0.003 0.021545009 0.004 0.0011 0.0022 0.22502654 0.118063195 16.00301 0.02020827 0.003 0.021545009 0.004 0.0011 0.0021 0.00221 0.22502654 0.118063195 16.0031 0.0202532 0.003 0.002165003 0.004 0.0011 0.0021 0.00221 0.22502654 0.118063195 16.0031 0.0196352 0.003 0.022502659 0.118063195 16.0031 0.0196352 0.003 0.002200266 0.004 0.0011 0.002 0.00221650 0.0263195 0.023030 0.003190 0.0030300 0.0030300	08/31/95	15:50:01	0.0217631	0.003	0.023213987	0.004	0	0.0011	0	0.0021	0.2204213	0.178
16967199			0.0213128	0.003	0.022763434	0.004	0	0.0011	0	0.0021	0.2432563	0.194
1987 1996 60501 0.0200927 0.003 0.021543809 0.004 0 0.0011 0.0022 0.2520854 0.198 1997 1996 1961 1001 0.0022 0.0220809 0.072 0.0220809 0.072 1997 1996 1961 1001 0.0022 0.0220809 0.072 0.0220809 0.072 1997 1996 1961 1001 0.0022 0.0220809 0.072 0.0220809 0.072 1997 1996 1962 0.0019 0.0014 0.0011 0.0002 0.0220809 0.072 1997 1998 1998 0.0019 0.0014 0.0011 0.0002 0.02207809 0.072 1997 1998 1998 0.0019			0.0203122	0.003	0.021651507	0.004	0	0.0011	0	0.002	0.2510012	0.197
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0.08/31/95 77:25:02 0.0219185 0.003 0.0249379 0.004 0.0011 0.0025718 0.0019 0.2458678 0.233 0.08/31/95 77:25:02 0.019866 0.003 0.02102073 0.003 0.0010 0.0025718 0.0019 0.2458678 0.192 0.08/31/95 17:35:02 0.0229283 0.003 0.024374333 0.004 0.0011 0.0021 0.2914858 0.223 0.08/31/95 17:35:02 0.02228283 0.003 0.024374333 0.004 0.0011 0.0021 0.2914858 0.223 0.08/31/95 17:45:03 0.02228283 0.003 0.02437433 0.004 0.0011 0.0021 0.29228312 0.213 0.08/31/95 17:45:03 0.0255157 0.004 0.025734859 0.004 0.0011 0.0022 0.22628312 0.213 0.08/31/95 17:45:03 0.0251567 0.004 0.022418179 0.004 0.0012 0.00023 0.2777629 0.225 0.08/31/95 17:55:03 0.0232522 0.003 0.02584939 0.004 0.0012 0.00022 0.2376642 0.193 0.08/31/95 18:000 0.0241546 0.003 0.02238192 0.004 0.0011 0.0002 0.22036192 0.184 0.08/31/95 18:0003 0.0233252 0.003 0.022388192 0.004 0.0011 0.0002 0.22036192 0.184 0.08/31/95 18:0002 0.0241939 0.003 0.02238838 0.004 0.0011 0.0024554 0.002 0.2283032 0.184 0.08/31/95 18:0002 0.0272460 0.004 0.002454 0.0011 0.0002 0.2203037 0.181 0.08/31/95 18:0002 0.0272460 0.004 0.002454 0.0011 0.0002 0.2203037 0.181 0.08/31/95 18:0002 0.0272460 0.004 0.003241641 0.005 0.0011 0.0002 0.0021 0.246942 0.182 0.08/31/95 18:3004 0.0291191 0.004 0.0038035194 0.005 0.00113 0.00025 0.231195 0.184 0.08/31/95 18:3004 0.029872 0.004 0.03905793 0.005 0.00113 0.00025 0.231195 0.194 0.08/31/95 18:3003 0.029877 0.004 0.03905793 0.005 0.00113 0.00025 0.231195 0.194 0.08/31/95 18:3003 0.00290672 0.004 0.03905793 0.005 0.00114 0.00026 0.3364086 0.277 0.08/31/95 18:3003 0.00290672 0.004 0.03187419 0.005 0.00114 0.00026 0.3364086 0.277 0.08/31/95 18:3003 0.00290772 0.004 0.031874419 0.005 0.00114 0.00026 0.3364086											0.2548586	0.196
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DB/31/95 77-5502 D.0229293 D.003 D.024495184 D.004 D.0041 D.00121 D.00221 D.2850716 D.215 DB/31/95 17-6503 D.0255157 D.004 D.02574855 D.004 D.0013 D.00223 D.2777629 D.225 DB/31/95 T7-5503 D.0255157 D.004 D.027416179 D.004 D.0013 D.0023 D.2777629 D.225 DB/31/95 T7-5503 D.0255252 D.003 D.025949236 D.004 D.0012 D.00022 D.0022 D.024596 D.008 D.00	08/31/95	17:25:03	0.0195666	0.003	0.021020073	0.003	0	0.001	0.0025716	0.0019	0.2458678	0.191
DB/31/95 17:40:03 0.0241684 0.003 0.02574855 0.004 0 0.0013 0 0.0023 0.2787629 0.225 DB/31/95 17:55:03 0.0255157 0.004 0.027418179 0.004 0 0.0013 0 0.0023 0.2777629 0.225 DB/31/95 17:55:03 0.0232522 0.003 0.02594936 0.004 0 0.0012 0 0.0022 0.236642 0.93 DB/31/95 17:55:03 0.0232522 0.003 0.02584399 0.004 0 0.0011 0 0.002 0.236642 0.18 DB/31/95 18:00:03 0.0213247 0.003 0.022584399 0.004 0 0.0011 0 0.002 0.2283192 0.18 DB/31/95 18:05:02 0.0200893 0.003 0.0222985361 0.004 0 0.0011 0.0022 0.2183034 0.176 DB/31/95 18:15:03 0.0236522 0.003 0.0222985361 0.004 0 0.0011 0 0.002 0.223037 0.18 DB/31/95 18:15:03 0.0236522 0.003 0.0241472 0.004 0 0.0011 0 0.0021 0.2146942 0.18 DB/31/95 18:20:02 0.0277246 0.004 0.02369381 0.004 0 0.0013 0 0.0024 0.229566 0.18 DB/31/95 18:20:02 0.0277246 0.004 0.03608519 0.005 0 0.0013 0 0.0024 0.229566 0.18 DB/31/95 18:30:04 0.0291191 0.004 0.03608519 0.005 0 0.0013 0 0.0025 0.2311195 0.19 DB/31/95 18:30:04 0.0291191 0.004 0.03608519 0.005 0 0.0013 0 0.0025 0.2311195 0.19 DB/31/95 18:45:03 0.0286757 0.004 0.03685768 0.005 0 0.0013 0 0.0025 0.2485879 0.214 DB/31/95 18:45:03 0.0298172 0.004 0.031657033 0.005 0 0.0014 0 0.0026 0.3384166 0.277 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3384166 0.277 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3884281 0.305 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3864281 0.305 DB/31/95 19:15:04 0.028043 0.004 0.0316666 0.005 0 0.0014 0 0.0026 0.3864281 0.305 0.0014 0 0.0026 0.3864281 0.305 0.0014 0 0.0026 0.38	08/31/95	17:30:03	0.0224736	0.003	0.024374339	0.004	0	0.0012	0	0.0021	0.2914858	0.226
DB/31/95 17:40:03 0.0241684 0.003 0.02574855 0.004 0 0.0013 0 0.0023 0.2787629 0.225 DB/31/95 17:55:03 0.0255157 0.004 0.027418179 0.004 0 0.0013 0 0.0023 0.2777629 0.225 DB/31/95 17:55:03 0.0232522 0.003 0.02594936 0.004 0 0.0012 0 0.0022 0.236642 0.93 DB/31/95 17:55:03 0.0232522 0.003 0.02584399 0.004 0 0.0011 0 0.002 0.236642 0.18 DB/31/95 18:00:03 0.0213247 0.003 0.022584399 0.004 0 0.0011 0 0.002 0.2283192 0.18 DB/31/95 18:05:02 0.0200893 0.003 0.0222985361 0.004 0 0.0011 0.0022 0.2183034 0.176 DB/31/95 18:15:03 0.0236522 0.003 0.0222985361 0.004 0 0.0011 0 0.002 0.223037 0.18 DB/31/95 18:15:03 0.0236522 0.003 0.0241472 0.004 0 0.0011 0 0.0021 0.2146942 0.18 DB/31/95 18:20:02 0.0277246 0.004 0.02369381 0.004 0 0.0013 0 0.0024 0.229566 0.18 DB/31/95 18:20:02 0.0277246 0.004 0.03608519 0.005 0 0.0013 0 0.0024 0.229566 0.18 DB/31/95 18:30:04 0.0291191 0.004 0.03608519 0.005 0 0.0013 0 0.0025 0.2311195 0.19 DB/31/95 18:30:04 0.0291191 0.004 0.03608519 0.005 0 0.0013 0 0.0025 0.2311195 0.19 DB/31/95 18:45:03 0.0286757 0.004 0.03685768 0.005 0 0.0013 0 0.0025 0.2485879 0.214 DB/31/95 18:45:03 0.0298172 0.004 0.031657033 0.005 0 0.0014 0 0.0026 0.3384166 0.277 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3384166 0.277 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3884281 0.305 DB/31/95 19:15:04 0.028043 0.004 0.03165638 0.005 0 0.0014 0 0.0026 0.3864281 0.305 DB/31/95 19:15:04 0.028043 0.004 0.0316666 0.005 0 0.0014 0 0.0026 0.3864281 0.305 0.0014 0 0.0026 0.3864281 0.305 0.0014 0 0.0026 0.38	08/31/95	17:35:02		0.003			0	0.0011	0	0.0021		0.213
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08/31/95 19:20:03 0.0283758 0.004 0.029259096 0.005 0 0.0013 0 0.0025 0.3904157 0.32 08/31/95 19:25:03 0.0289066 0.004 0.030340927 0.005 0 0.0013 0 0.0025 0.4076717 0.29 08/31/95 19:30:04 0.0290063 0.004 0.03037994 0.005 0 0.0013 0 0.0025 0.3918608 0.29 08/31/95 19:30:04 0.0293372 0.004 0.030770945 0.005 0 0.0014 0 0.0025 0.6336168 0.55 08/31/95 19:40:05 0.0296626 0.004 0.030974445 0.005 0 0.0014 0 0.0026 0.6338312 0.54 08/31/95 19:50:04 0.0294258 0.004 0.030974445 0.005 0 0.0014 0 0.0025 0.6083608 0.33 08/31/95 19:55:04 0.029415 0.004 0.030406523 0.005 0 0.00	08/31/95	19:10:03	0.0292912	0.004	0.030507102	0.005	0	0.0014	o	0.0026	0.5082306	0.416
08/31/95 19:25:03				0.004	0.029717093	0.005	0	0.0014	0	0.0025	0.42322	0.355
08/31/95 19:30:04 0.0290063 0.004 0.030329784 0.005 0 0.0013 0 0.0025 0.3918608 0.29 08/31/95 19:35:04 0.0293372 0.004 0.030770945 0.005 0 0.0014 0 0.0025 0.6336168 0.55 08/31/95 19:40:05 0.0296626 0.004 0.030985832 0.005 0 0.0014 0 0.0026 0.6338312 0.54 08/31/95 19:45:05 0.0298722 0.004 0.030974445 0.005 0 0.0014 0 0.0026 0 0.53 08/31/95 19:50:04 0.0294258 0.004 0.030974445 0.005 0 0.0013 0 0.0025 0.4636496 0.33 08/31/95 19:55:04 0.029415 0.004 0.030406523 0.005 0 0.0014 0 0.0025 0.6083508 0.53 08/31/95 20:49:52 0 0.003 0 0.003 0 0.001 0.0082262 0.0019 0.4051665 0.28 08/31/95 20:54:52 0 0.003 0 0.004 0.00142403 0.0011 0.0088297 0.0019 0.4175809 0.30 08/31/95 20:59:52 0 0.003 0 0.004 0.00142403 0.0011 0.0088695 0.002 0.4226072 0.30 08/31/95 21:04:53 0 0.003 0 0.004 0.0016425 0.0011 0.0088695 0.002 0.3767894 0.2 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3883299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3883299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3883299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3883299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 08/31/95 21:19:54 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 08/31/95 21:19:55 0 0.003 0 0.004 0.00164098 0.001 0.009801 0.0019 0.332572 0.20 08/31/95 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.009801 0.0019 0.332572 0.20 08/31/95 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.009801 0.0018 0.3213039 0.20			0.0283758	0.004	0.029259096	0.005	0	0.0013	0	0.0025	0.3904157	0.327
0.08/31/95			0.0289066	0.004	0.030340927	0.005	0	0.0013	0	0.0025	0.4076717	0.297
0.003/195 19:35:04 0.0293372 0.004 0.030770945 0.005 0 0.0014 0 0.0025 0.6336168 0.555 0.008/31/95 19:40:05 0.0296626 0.004 0.030985832 0.005 0 0.0014 0 0.0026 0.6338312 0.544 0.008/31/95 19:45:05 0.0298722 0.004 0.030974445 0.005 0 0.0014 0 0.0026 0 0.555 0.008/31/95 19:50:04 0.0294258 0.004 0.030527916 0.005 0 0.0013 0 0.0025 0.4636496 0.335 0.008/31/95 19:55:04 0.029415 0.004 0.030406523 0.005 0 0.0014 0 0.0025 0.6083508 0.535 0.008/31/95 0.0049 0.003 0 0.003 0 0.0014 0 0.0025 0.6083508 0.535 0.008/31/95 0.0049/31/95 0.0049 0.003 0 0.004 0.00142403 0.0011 0.008262 0.0019 0.4175809 0.305 0.008/31/95 0.0049/31/95 0.0049 0.003 0 0.004 0.00142403 0.0011 0.0085442 0.002 0.4226072 0.305 0.008/31/95 0.0049/31/95 0.0049 0.0044 0.0016425 0.0011 0.0088695 0.002 0.3767894 0.225 0.008/31/95 0.0049/31/95 0.0049 0.00164311 0.001 0.0088728 0.0019 0.388299 0.275 0.008/31/95 0.0049 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.388299 0.275 0.008/31/95 0.0049 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3729284 0.265 0.008/31/95 0.0049 0.0049 0.00164098 0.001 0.0090801 0.0019 0.332572 0.26731/95 0.0043455 0.0043 0.0044 0.00164098 0.001 0.0090801 0.0019 0.332572 0.26731/95 0.0043455 0.0044 0.00164098 0.001 0.0090801 0.0019 0.332572 0.268/31/95 0.00434555 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.268/31/95 0.0044555 0.0044555 0.0044555 0.00445555 0 0.003 0 0.00445698 0.001 0.0090801 0.0019 0.332572 0.268/31/95 0.0044555 0.00445555 0 0.003 0 0.00445698 0.001 0.0090801 0.0019 0.332572 0.268/31/95 0.00445555 0 0.003 0 0.00445698 0.001 0.0090801 0.0019 0.3213039 0.268/31/95 0.00445555 0 0.	08/31/95	19:30:04	0.0290063	0.004	0.030329784	·	0	0.0013	0	0.0025	0.3918608	0.29
08/31/95							0					
08/31/95												
08/31/95						 -						_
08/31/95 19:55:04 0.029415 0.004 0.030406523 0.005 0 0.0014 0 0.0025 0.6083508 0.53												
Run 19			_									0.539
08/31/95	Run 19			3.007	3.000400020	- 5.000		2.0017		2.0020	2.3000000	3.555
08/31/95 20:54:52 0 0.003 0 0.004 0 0.001 0.0083297 0.0019 0.4175809 0.30 0.88/31/95 20:59:52 0 0.003 0 0.004 0.00142403 0.0011 0.0085442 0.002 0.4226072 0.30 0.88/31/95 21:04:53 0 0.003 0 0.004 0.0016425 0.0011 0.0088695 0.002 0.3767894 0.2 0.003/1/95 21:09:53 0 0.003 0 0.004 0.00164311 0.001 0.0089823 0.0019 0.3804342 0.27 0.003/1/95 21:14:53 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 0.003/1/95 21:19:54 0 0.003 0 0.004 0.00164189 0.001 0.0089757 0.0019 0.3729284 0.26 0.003/1/95 21:24:54 0 0.003 0 0.004 0.00164098 0.001 0.0090801 0.0019 0.3440588 0.25 0.003/1/95 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.2 0.003/1/95 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.2 0.003/1/95 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.2 0.003/1/95		20:49:52		0.003		0.003		0.001	0.0093363	0.0010	0.4051666	0 297
08/31/95 20:59:52 0 0.003 0 0.004 0.00142403 0.0011 0.0085442 0.002 0.4226072 0.30 0.8/31/95 21:04:53 0 0.003 0 0.004 0.0016425 0.0011 0.0088695 0.002 0.3767894 0.2 0.8/31/95 21:09:53 0 0.003 0 0.004 0.00164311 0.001 0.0089823 0.0019 0.3804342 0.27 0.8/31/95 21:14:53 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 0.003 0 0.004 0.00164189 0.001 0.0089757 0.0019 0.3729284 0.26 0.003/1/95 21:24:54 0 0.003 0 0.004 0.00164098 0.001 0.0090801 0.0019 0.3440588 0.25 0.003/1/95 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0019 0.332572 0.20 0.003/1/95 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.25 0.003/1/95 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.25 0.003/1/95 0.												
08/31/95												
08/31/95 21:09:53 0 0.003 0 0.004 0.00164311 0.001 0.0089823 0.0019 0.3804342 0.27 0.003/195 21:14:53 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 0.003/195 21:19:54 0 0.003 0 0.004 0.00164189 0.001 0.0089757 0.0019 0.3729284 0.26 0.003/195 21:24:54 0 0.003 0 0.004 0.00164098 0.001 0.0090801 0.0019 0.3440588 0.25 0.003/195 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0019 0.332572 0.26 0.003/195 21:34:55 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.26 0.003/195 0.003/195												
08/31/95 21:14:53 0 0.003 0 0.004 0.00164311 0.001 0.0088728 0.0019 0.3838299 0.27 0.003/195 21:19:54 0 0.003 0 0.004 0.00164189 0.001 0.0089757 0.0019 0.3729284 0.26 0.003/195 21:24:54 0 0.003 0 0.004 0.00164098 0.001 0.0090801 0.0019 0.3440588 0.25 0.003/195 21:29:55 0 0.003 0 0.003 0 0.00164098 0.001 0.0090801 0.0019 0.332572 0.27 0.003/195 0.00					·							
08/31/95 21:19:54 0 0.003 0 0.004 0.00164189 0.001 0.0089757 0.0019 0.3729284 0.26 0.003/195 21:24:54 0 0.003 0 0.004 0.00164098 0.001 0.0090801 0.0019 0.3440588 0.25 0.003/195 21:29:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0019 0.332572 0.2 0.003/195 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.2				 -								+
08/31/95 21:24:54												
08/31/95 21:29:55	00/31/95	21:19:54								+		
08/31/95 21:34:55 0 0.003 0 0.003 0.00164098 0.001 0.0090801 0.0018 0.3213039 0.2	U8/31/95	21:24:54						0.001				
			0		0		0.00164098	0.001	0.0090801	0.0019		
08/31/95 21:39:54 0 0.003 0 0.003 0.00164189 0.001 0.0090851 0.0018 0.3164473 0.23	U8/31/95	21:34:55	0	0.003	0	0.003	0.00164098	0.001	0.0090801	0.0018	0.3213039	0.24
	08/31/95	21:39:54	0	0.003	0	0.003	0.00164189	0.001	0.0090851	0.0018	0.3164473	0.236

	processin	<u> </u>									
Upwind da	sta in ppm										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	<u></u>
		ρpm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/31/95	21:44:54	0	0.003	0	0.003	0.00175038	0.001	0.0090801	0.0018	0.335745	0.248
08/31/95	21:49:55	0	0.003	0	0.003	0.00164007	0.001	0.0090751	0.0018	0.3406974	0.25
08/31/95		ō	0.003	0	0.003	0.00174844	0.001	0.00907	0.0018	0.3343886	0.252
08/31/95		0	0.003	0	0.003	0.00163613	0.001	0.0090532	0.0019	0.3337697	0.258
08/31/95		0	0.003	0	0.003	0.00174358	0.001	0.0090332	0.0019	0.3287741	0.249
						-					
	22:09:55	0	0.003	0	0.003	0.00163309	0.001	0.0090364	0.0019	0.3293396	0.254
08/31/95		0	0.003	0	0.004	0.00174034	0.001	0.009028	0.0019	0.3392579	0.256
08/31/95		0	0.003	0	0.004	0.0017384	0.001	0.0089093	0.0019	0.3293179	0.255
08/31/95	22:24:55	0	0.003	0	0.004	0.00184602	0.001	0.0090129	0.0019	0.3157773	0.241
08/31/95	22:29:55	0	0.003	0	0.003	0.00173613	0.001	0.0088977	0.0019	0.2832064	0.223
08/31/95	22:34:54	0	0.003	0	0.003	0.00162823	0.001	0.008901	0.0018	0.2722401	0.21
08/31/95	22:39:55	0	0.003	0	0.003	0.00152053	0.0009	0.008906	0.0018	0.2562096	0.203
08/31/95	22:44:56	0	0.003	0	0.003	0.00141271	0.001	0.0088022	0.0018	0.2775425	0.215
08/31/95		0	0.003	0	0.003	0.00130379	0.001	0.0088006	0.0018	0.2773821	0.216
	22:54:55	0	0.003	0	0.003	0.00141244	0.001	0.0088006	0.0018	0.2798811	0.214
08/31/95		Ö	0.003	0	0.003	0.00152109	0.001	0.0089093	0.0018	0.3103029	0.237
_						0.00151996					0.259
08/31/95		0	0.003	0	0.003		0.001	0.0087941	0.0018	0.3422093	
08/31/95		0	0.003	0	0.003	0.00162762	0.001	0.0087892	0.0019	0.3539537	0.275
08/31/95		0	0.003	0	0.004	0.00151798	0.001	0.0087826	0.0019	0.3675682	0.283
08/31/95		0	0.003	0	0.004	0.00151656	0.001	0.0087744	0.0019	0.3529261	0.269
08/31/95	23:24:56	0	0.003	0	0.003	0.001516	0.001	0.0087711	0.0019	0.347813	0.267
08/31/95	23:29:55	0	0.003	0	0.004	0.00151458	0.001	0.0087629	0.0019	0.3811332	0.297
08/31/95	23:34:55	. 0	0.003	0	0.004	0.00151373	0.0011	0.008758	0.002	0.3919478	0.303
08/31/95	23:39:56	0	0.003	0	0.004	0.00140482	0.0011	0.0087531	0.002	0.414637	0.32
08/31/95		0	0.003	0	0.004	0.00129675	0.0011	0.008645	0.002	0.4305222	0.331
08/31/95		0	0.003	0	0.003	0.00118958	0.001	0.0086515	0.0019	0.3491963	0.277
08/31/95		0	0.003	0	0.003	0.00170000	0.001	0.0086645	0.0018	0.3082381	0.235
	23:59:56	0	0.003	0	0.003	0	0.001	0.0085546	0.0018	0.3098048	0.235
09/01/95											
		0	0.003	0	0.003	0	0.001	0.0085498	0.0019	0.323592	0.25
_	00:09:56	0	0.003		0.003	0	0.001	0.0086499	0:0019	0.3245887	0.254
	00:14:57	0	0.003	0	0.003	0	0.001	0.008537	0.0018	0.3118711	0.242
09/01/95		0	0.003	0	0.003	0	0.001	0.0085338	0.0018	0.3185578	0.247
09/01/95	00:24:57	0	0.003	0	0.003	0	0.001	0.0086353	0.0019	0.3288972	0.249
09/01/95	00:29:56	0	0.003	0	0.003	0	0.001	0.0085226	0.0019	0.3106961	0.24
09/01/95	00:34:56	0	0.003	0	0.004	0	0.001	0.0085162	0.0019	0.3071211	0.236
09/01/95	00:39:57	0	0.003	0	0.004	0	0.001	0.0085098	0.0019	0.330373	0.253
	00:44:57	0	0.003	0	0.003	0	0.001	0.0084005	0.0019	0.337419	0.259
	00:49:56	0	0.003	0	0.003	0	0.001	0.0084052	0.0019	0.3406266	0.26
	00:54:56	0	0.003	0	0.003	0	0.001	0.0084036	0.0019	0.3427174	0.257
	00:59:57	0	0.003	0	0.003	0	.		0.0019		0.256
							0.001	0.008399		0.3447879	-
	01:04:57	0	0.003	0	0.003	0	0.001	0.0082928	0.0019	0.3426987	0.256
09/01/95		0	0.003	0	0.003	0	0.001	0.008296	0.0019	0.3268821	0.247
09/01/95		0	0.003	0	0.003	0	0.001	0.0083022		0.3158065	0.24
09/01/95		0	0.003	0	0.003	. 0	0.001	0.0084116	0.0019	0.3349536	0.25
09/01/95	01:24:58	0	0.003	0	0.004	0	0.001	0.0084068	0.0019	0.3526565	0.272
09/01/95	01:29:58	0	0.003	0	0.004	0	0.0011	0.0083942	0.002	0.3821523	0.29
09/01/95	01:34:58	0	0.003	0	0.004	0	0.0011	0.0083895	0.002	0.419044	0.31
09/01/95		0	0.003	0	0.004	0	0.0011	0.0083895	0.002	0.4297998	0.325
09/01/95		0	0.003	0	0.004	0	0.0011	0.0083864	0.002	0.4196422	0.315
09/01/95		0	0.003	0	0.004	0	0.0011	0.0083895	0.002	0.4196422	
											0.317
09/01/95		0	0.003	0	0.004	0	0.001	0.008388		0.4277866	0.319
09/01/95		. 0	0.003	0	0.004	0	0.0011	0.0083895	0.002		0.302
09/01/95		0	0.003	0	0.004	0	0.0011	0.0083895		0.4236723	0.32
09/01/95	02:09:59	0	0.003	0	0.004	0	0.001	0.0083864	0.0019	0.403192	0.304
09/01/95	02:14:58	0	0.003	0	0.004	0	0.001	0.0083801	0.0019	0.4311445	0.327
09/01/95	02:19:58	0	0.003	0	0.004	0	0.0011	0.0083816	0.002	0.4228406	0.322
09/01/95		0	0.003	0	0.004	0	0.0011	0.0083769	0.002	0.4452621	0.337
09/01/95		0	0.003	0	0.004	Ö	0.001	0.0083769	0.0019	0.413473	0.319
09/01/95	+	0	0.003	0	0.004	0	0.001	0.0083737		0.4314602	0.313
09/01/95											
		0	0.003	0	0.004	0	0.001	0.008257		0.432259	0.33
09/01/95		0	0.003	0	0.004	0	0.001	0.0082523		0.4590219	0.342
09/01/95	02:50:00	0	0.003	0 (0.004	0	0.001	0.008257	0.0019	0.4136004	0.32

Site: Bee	processin)									
Upwind da	ta in ppm										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	02:55:00	0	0.003	0	0.003	0	0.001	0.0081559	0.0018	0.3791426	0.29
09/01/95	02:59:59	0	0.003	0	0.003	0	0.001	0.0082632	0.0018	0.3617577	0.279
	03:04:59	0	0.003	0	0.003	0	0.001	0.0081498	0.0018	0.3643801	0.278
09/01/95	03:09:59	. 0	0.003		0.003	0	0.001	0.0082554	0.0019	0.3674205	0.284
09/01/95	03:15:00	0	0.003	0	0.004	0	0.001	0.0082586	0.0019	0.3765686	0.287
09/01/95	03:20:00	0	0.003	0	0.003	0	0.001	0.008257	0.0019	0.3800362	0.294
09/01/95	03:24:59	0	0.003	0	0.003	0	0.001	0.0081498	0.0018	0.3888294	0.309
09/01/95	03:29:59	0	0.003	0	0.003	0	0.001	0.0080456	0.0018	0.3944471	0.304
09/01/95	03:34:59	0	0.003	0	0.003	0	0.001	0.0079413	0.0018	0.4276489	0.332
09/01/95	03:40:00	0	0.003	0	0.003	0	0.001	0.0080486	0.0018	0.478516	0.369
	03:45:00	0	0.003	0	0.003	0	0.001	0.0080456	0.0018	0.4725427	0.37
09/01/95	03:49:59	0	0.003	0	0.003	0	0.0009	, 0.0080425	0.0018	0.5557922	0.439
09/01/95	03:54:59	0	0.003	0	0.003	0	0.001	0.0080395	0.0018	0.5817376	0.448
09/01/95	04:00:00	0	0.003	0	0.003	_0	0.0009	0.0080395	0.0018	0.563086	0.451
09/01/95	04:05:00	0	0.003	0	0.003	0	0.0009	0.0080334	0.0017	0.6183591	0.482
09/01/95	04:10:00	0	0.003	0	0.003	0	0.0009	0.0079248	0.0016	0.6496203	0.502
09/01/95	04:14:59	0	0.003	0	0.003	0	0.001	0.0080319	0.0018	0.6303437	0.486
09/01/95	04:19:59	0	0.003	0	0.003	0	0.001	0.0078207	0.0018	0.5882646	0.452
09/01/95	04:25:00	0	0.003	0	0.004	0	0.001	0.0079248	0.0019	0.569087	0.446
09/01/95	04:30:00	0	0.003	0	0.003	0	0.001	0.0079203	0.0018	0.5513183	0.432
09/01/95	04:35:00	0	0.003	0	0.003	0	0.001	0.0078089	0.0018	0.6018166	0.459
09/01/95	04:39:59	0	0.003	0	0.003	0	0.001	0.0078118	0.0018	0.5293838	0.407
09/01/95	04:44:59	ō	0.003	0	0.003	0	0.001	0.0077019	0.0018	0.5000876	0.402
09/01/95	04:50:00	0	0.003	0	0.003	0	0.001	0.0078103	0.0019	0.5308886	0.412
09/01/95	04:55:00	0	0.003	0	0.003	0	0.001	0.0078148	0.0018	0.5425373	0.417
09/01/95	05:00:00	0	0.003	0	0.003	0	0.001	0.0077077	0.0018	0.5394328	0.422
09/01/95	05:04:59	. 0	0.003	0	0.003	0	0.001	0.0077048	0.0018	0.5687639	0.432
09/01/95	05:09:59	0	0.003	0	0.003	0	0.001	0.0077033	0.0018	0.4751463	0.369
09/01/95	05:15:00	0	0.003	0	0.003	0	0.001	0.0077004	0.0018	0.4935759	0.377
09/01/95	05:20:00	0	0.003	0	0.003	0	0.001	0.0077004	0.0018	0.4986026	0.382
09/01/95	05:25:00	0	0.003	0	0.003	0	0.001	0.0078089	0.0018	0.4598666	0.365
09/01/95	05:29:59	0	0.003	0	0.003	0	0.001	0.0078074	0.0018	0.448229	0.355
09/01/95	05:34:59	0	0.003	0	0.003	0	0.001	0.0078059	0.0018	0.4676055	0.369
09/01/95	05:40:00	0	0.003	0	0.003	0	0.001	0.0078044	0.0018	0.4908233	0.39
09/01/95	05:45:00	0	0.003	0	0.003	0	0.001	0.0078059	0.0018	0.459158	0.367
09/01/95	05:50:00	0	0.003	0	0.003	0	0.0009	0.0078044	0.0018	0.4431415	0.384
	05:54:59	0	0.003	0	0.003	0	0.0009	0.0078015	0.0018	0.4471416	0.393
09/01/95	05:59:59	0	0.003	0	0.003	0	0.001	0.0078015	0.0018	0.4439356	0.38
09/01/95	06:05:00	0	0.003	0	0.003	0	0.001	0.0078	0.0018	0.4265419	0.362
09/01/95	06:10:00	0	0.003	0	0.003	0	0.0009	0.0076873	0.0018	0.4250443	0.368
09/01/95	06:15:00	0	0.003	0	0.003	0	0.0009	0.0077882	0.0017	0.4305898	0.371
09/01/95	06:19:59	0	0.003	0		0		0.00768	0.0017	0.4069347	0.353
09/01/95	06:24:59	0	0.003	0	0.003	0	0.0009	0.0076844	0.0017	0.3978811	0.347
09/01/95		0	0.003	0	0.003	0	0.0009	0.0076859	0.0017	0.4127945	0.355
09/01/95	06:35:00	0	0.003	0	0.003	0	0.0009	0.0077911	0.0017	0.422215	0.368
09/01/95		0.0028795	0.003	0	0.003	0	0.0009	0.0076786	0.0017	0.4795907	0.42
09/01/95		0	0.003	0	0.003	0	0.0009	0.0077823	0.0017	0.4209884	0.368
09/01/95	06:49:59	0	0.003	0	0.003	0	0.0009	0.0077823	0.0017	0.4472135	0.391
09/01/95		0	0.003	0	0.003	0	0.001	0.0077808	0.0018	0.4705776	0.412
09/01/95	07:00:00	0	0.003	0	0.003	0	0.001	0.0077778	0.0018	0.4772178	0.42
09/01/95	07:05:00	0	0.003	0	0.003	0	0.001	0.0077778	0.0018	0.4783898	0.419
09/01/95	07:09:59	0	0.003	0	0.003	0	0.001	0.0077823	0.0018	0.4727991	0.409
09/01/95	07:14:59	0	0.003	0	0.003	0	0.001	0.0077837	0.0018	0.4997587	0.436
09/01/95		0	0.003	0	0.003	0	0.0009	0.0077837	0.0018	0.5098882	0.442
09/01/95		0	0.003	0	0.003	- 0	0.0009	0.007775	0.0018	0.5324253	0.466
09/01/95		0	0.003	0	0.003	0	0.0003	0.0077735	0.0018	0.5324235	0.459
09/01/95		0	0.003	0	0.003	0	0.0009	0.007775	0.0018	0.5210003	0.465
09/01/95		0.0031976	0.003	0	0.003		0.0003	0.007773	0.0018	0.5460466	0.467
09/01/95		0.0031970	0.003	0	0.003	0	0.0009	0.0076728	0.0018	0.5460466	0.467
09/01/95		0.003197	0.003	0	0.003	0				0.5955031	0.511
09/01/95	07:55:01	0.0034108	0.003		0.003		0.0009	0.0076743	0.0017	0.618974	0.533
09/01/95	08:00:01	0.0034121		0		0	0.0009	0.0076772	0.0017	 _	
20.0	00.00.01	U.UU30413	0.003	0	0.003	0	0.001	0.0075763	0.0018	0.5810286	0.501

Site: Beef	processin						Ì				
Upwind da					 -						
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/01/95	08:05:01	0.0041648	0.003	0	0.003	0	0.0009	0.0075821	0.0017	0.5187838	0.451
09/01/95	08:10:02	0.0041672	0.003	0	0.003	0	0.0009	0.0075864	0.0016	0.5267718	0.451
09/01/95	08:15:02	0.0042741	0.003	0	0.003	0	0.0009	0.0074796	0.0016	0.5090399	0.429
09/01/95	08:20:01	0.0043826	0.002	0	0.003	0	0.0008	0.0073755	0.0016	0.5024984	0.429
09/01/95	08:25:01	0.0042757	0.002	0	0.003	0	0.0008	0.0072686	0.0015	0.475241	0.412
09/01/95	08:30:01	0.0057776	0.003	· o	0.003	0	0.0009	0.0072755	0.0017	0.4878877	0.411
09/01/95	08:35:02	0.0063221	0.003	0	0.003	0	0.0009	0.0070722	0.0017	0.483482	0.399
09/01/95	08:40:02	0.0060052	0.002	0	0.003	0	0.0008	0.0071848	0.0015	0.4397771	0.374
09/01/95	08:45:02	0.007946	0.002	0.003328719	0.003	0	0.0008	0.0069796	0.0015	0.3437171	0.289
09/01/95	08:50:02	0.0096749	0.003	0.00483747	0.003	0	0.0009	0.0063425	0.0016	0.402155	0.337
09/01/95	08:55:03	0.0104197	0.002	0.005585807	0.003	0	0.0008	0.0061229	0.0015	0.3714561	0.301
09/01/95	09:00:06	0.0108473	0.002	0.006229151	0.003	0	0.0008	0.005907	0.0015	0.3864221	0.314
09/01/95	09:05:02	0.011395	0.002	0.007095013	0.003	0	0.0008	0.00559	0.0016	0.4047382	0.336
09/01/95	09:10:02	0.0118384	0.002	0.007963986	0.003	0	0.0008	0.0053811	0.0014	0.3781817	0.31
09/01/95	09:15:03	0.0120627	0.002	0.007970025	0.003	0	0.0008	0.0053852	0.0014	0.4354434	0.346
09/01/95	09:20:03	0.0115372	0.002	0.007547697	0.003	0	0.0008	0.005499	0.0014	0.4351787	0.356
09/01/95	09:25:03	0.0116537	0.002	0.007553354	0.003	0	0.0008	0.0056111	0.0014	0.4140317	0.335
09/01/95	09:30:02	0.0106886	0.002	0.006909802	0.003	0	0.0008	0.0059381	0.0015	0.4267882	0.338
09/01/95	09:35:04	0.0108067	0.002	0.007132399	0.003	0	0.0009	0.0060517	0.0016	0.437778	0.361
09/01/95	09:40:03	0.0083367	0.002	0.004980358	0.003	0	0.0008	0.006063	0.0014	0.3737434	0.303
09/01/95		0.0048785	0.002	0	0.003	0	0.0007	0.0069382	0.0014	0.3661008	0.299
09/01/95	09:50:02	0.0035835	0.002	0	0.003	0	0.0008	0.0073842	0.0015	0.4061336	0.324
09/01/95	09:55:02	0.003262	0.002	0	0.003	0	0.0008	0.0075026	0.0015	0.3718678	0.301
09/01/95	10:00:03	0.0030502	0.003	Ö	0.003	0	0.0009	0.0076255	0.0016	0.3794216	0.302
09/01/95	10:05:03	0.0027274	0.002	0	0.003	0	0.0009	0.007855	0.0016	0.3820573	0.306
09/01/95	10:10:03	0.0030575	0.002	0	0.003	0	0.0009	0.0079714	0.0016	0.3518356	0.287
09/01/95	10:15:03	0	0.003	. 0	0.003	0	0.0009	0.0080806	0.0016	0.3451745	0.279
	10:20:04	0	0.003	0	0.003	0	0.0009	0.0080866	0.0016	0.3643351	0.293
09/01/95	10:25:04	0	0.003	0	0.003	0	0.0009	0.0080896	0.0016	0.3638139	0.295
	10:30:04	0	0.003	0	0.003	0	0.0009	0.0081001	0.0016	0.3395464	0.275
09/01/95	10:35:04	0	0.003	0	0.003	0	0.0009	0.0081061	0.0016	0.336949	0.272

in no.		plant in SE U.S					_				
in ppm	"upwind" data	1166		000		055	ļ. .	0114		NU 10	
Date	Time	H2O	050/ 01	CO2	050/ 01	SF6	050/ 01	CH4	050/ 01	NH3	059/ 6
Run 20		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
09/05/95	20:49:50	14724.963	216.7	510.47	48.77	0.00050056	0.0006	4.9932	0.298	0	0.017
09/05/95	20:54:51	14698,6124	422.8	505.86	48.77	0.00058856 0.00058844	0.0006	5.5476	0.298	0	0.017
09/05/95	20:59:51	14615.0684		520.20	48.92	0.00058802	0.0006	15.9470	0.309	0	0.017
09/05/95	21:04:51	14415.5168	290.3	498.72	48.72	0.00058788	0.0006	12.6610	0.303	0	0.017
09/05/95	21:09:52	14452,9239	272.7	487.65	48.53	0.00058777	0.0006	3.1750	0.299	0	0.017
09/05/95	21:14:53	14258,6101	252.9	501.67	48.76	0.00058743	0.0006	14.4927	0.309	0	0.017
09/05/95	21:19:52	14108,0901		491.40	48.66	0.00058698	0.0006	9.6199	0.304	0	0.017
09/05/95	21:24:52	14328.3106	244.5	495.90	48.7	0	0.0006	7.6523	0.306	0	0.017
09/05/95	21:29:52	14297.5873	235.3	499.33	48.83	0.00058687	0.0006	7.2411	0.307	0	0.017
09/05/95	21:34:52	14217.9963	242.3	500.41	48.97	0.00058664	0.0006	7.8603	0.31	0	0.017
09/05/95	21:39:51	14068.2475	239.6	494.05	48.82	0.00058653	0.0006	10.1379	0.311	0	0.017
09/05/95	21:44:51	13988.4461	238.3	498.95	48.58	0	0.0006	15.3924	0.318	0	0.017
09/05/95	21:49:52	13880.073	224.5	499.63	48.83	0.00058608	0.0006_	12.9084	0.315	0	0.017
09/05/95	21:54:52	13909.899		505.98	48.96	0.00058586	0.0006	5.6963	0.311	0	0.017
09/05/95	21:59:52	13940.6739		509.69	49.02	0.00058563	0.0006_	8.0330	0.316	0	0.017
09/05/95	22:04:51	13625.0374		498.08	48.78	0.00058552	0.0006_	20.3454	0.328	0	0.017
09/05/95	22:09:52	13764.9677		493.01	48.73	0.00058541	0.0006	3.3122	0.313	0	0.017
09/05/95	22:14:52	13838.0221	218.9	496.52	48.96	0.00058529	0.0006	5.4281	0.318	0	0.017
09/05/95 09/05/95	22:19:52 22:24:52	13494.8668	212.2	502.77	48.74	0.00059403	0.0006	32.5980	0.354	0	0.017
09/05/95	22:29:53	13595.5755 13784.6846		498.56 499.83	48.88 49.04	0.00058493 0.00058482	0.0006	7.7875 4.0028	0.319	0	0.017
09/05/95	22:34:53	14079.2843		495.46	49.84	0.00058462	0.0006	2.4500	0.343	- 0	0.017
09/05/95	22:39:52	13945.33		506.96	49.84	0.00068206	0.0006	8.0328	0.344	- 0	0.017
09/05/95	22:44:52	13308.177		499.27	48.98	0.00058417	0.0006	9.8815	0.323	0	0.017
09/05/95	22:49:53	13238.12		499.18	48.81	0.00058383	0.0006	5.0583	0.32	0	0.017
09/05/95	22:54:53	13200.8392		497.04	48.76	0.00058372	0.0006	4.2820	0.321	0	0.017
09/05/95	22:59:53	13399.8436		500.73	49.06	0.00058406	0.0006	10.3108	0.336	0	0.017
09/05/95	23:04:55	13381.0143	202.8	508.42	49.42	0.00068101	0.0006	20.4714	0.369	0	0.017
09/05/95	23:09:55	13525.0853	201.2	515.50	49.61	0.00068098	0.0006	19.7663	0.372	0	0.017
09/05/95	23:14:54	13498.6957	196.8	509.76	50.47	0.00068111	0.0006	9.6031	0.376	0	0.018
09/05/95	23:19:54	13359.1214	195.3	507.33	50.04	0.00068098	0.0006	7.0546	0.364	0	0.017
09/05/95	23:24:55	13184.9857		511.41	49.34	0.00068098	0.0006	13.2589	0.353	0	0.017
09/05/95	23:29:54	13188.9483		510.05	49.1	0.00058347	0.0006_	15.6561	0.35	0	0.017
09/05/95	23:34:54	13424,6702		517.54	51.43	0.00068071	0.0006	6.8763	0.4	0	0.018
09/05/95	23:39:53	13149.9382		520.93	49.51	0.00068045	0.0006_	13.1996	0.364	0	0.017
09/05/95	23:44:54	12718.4303	$\overline{}$	522.95	48.8	0.00058311	0.0006	46.2610	0.414	0	0.017
09/05/95	23:49:54	12893.0498		501.38	48.66	0.00058288	0.0006	6.1002	0.34	0	0.017
09/05/95 09/05/95	23:54:54	13045.7648 12859.8136		505.94 509.34	49.89 49.27	0.00058288	0.0006	4.4079 4.5538	0.373 0.357	0	0.017
09/06/95	00:04:53	12691.9605		500.89	48.81	0.00058243	0.0006	4.5365	0.348	0	0.017 0.017
09/06/95	00:04:53	12341,3638	211.3		48.22	0.00058243		21.8110	0.348	0	0.017
09/06/95	00:03:54	12279.9072	210.5		48.16	0.00036209		10.3132	0.337	0	0.017
09/06/95	00:19:54	12358,4131		504.67	48.09		0.0006	4.8725	0.337	0	0.017
09/06/95	00:24:53	12064.5087		515.90	47.95	0		17.8377	0.354	0	0.017
09/06/95	00:29:55	12067.0227		504.36	47.85	0	0.0006	8.7139	0.329	0	0.017
09/06/95	00:34:55	12150.598		515.80	48.04	0	0.0006	8.1070	0.341	0	0.017
09/06/95	00:39:54	12140,4923	$\overline{}$	527.04	48.23	0		11.2348	0.363	0	0.017
09/06/95	00:44:54	12227.0564		518.32	48.66	0.00058162	0.0006	7.7006	0.366	0	0.017
09/06/95	00:49:54	12335.2372	201.5		53.76	0.00067855	0.0006	7.9166	0.467	0.02491262	0.019
09/06/95	00:54:55	12183.3065		528.78	50.05	0.00067842	0.0006	12.7978	0.392	0	0.017
09/06/95	00:59:55	12047.9962		518.70	48.26	0	0.0006	11.4237	0.366	0	0.017
09/06/95	01:04:54	11888.2639		523.53	47.93	0	0.0006	16.0953	0.369	0	0.017
09/06/95	01:09:54	11522.2164		518.30	47.73	0.00058094	0.0006	19.3771	0.366	0	0.017
09/06/95	01:14:55	11518.3184		527.57	47.76	0.00058049	0.0006	46.1249	0.438	0	0.017
09/06/95	01:19:54	11687.9047	204.2		48.54	0.00058058	0.0006	14.8136	0.393	0	0.017
09/06/95	01:24:54	11817.2775		532.99	52.08	0.00067773	0.0006	13.4797	0.455	0.02565711	0.018
09/06/95	01:29:54	11677.5673	201.5		52.87	0.00077455	0.0006	11.9831	0.442	0.02691576	0.018
09/06/95	01:34:54	11278.5005	204.3		49.38	0.00067734	0.0006	23.8234	0.412	0.0201267	0.017
09/06/95	01:39:55	11737,5883	\rightarrow	527.25	50.81	0.00067757	0.0006	9.1453	0.417		0.018
09/06/95	01:44:54	11569,6471	200.6		57.2	0.00077437	0.0007	23.8911	0.538	0.04665571	0.02
09/06/95	01:49:54	11496.3046	199.8	544.47	51.89	0.00067708	0.0006	11.9715	0.425	0.02389119	0.018

Date 09/06/95	wind data Time 01:54:54 01:59:54 02:04:54 02:09:54 02:14:55 02:19:55 02:24:54 02:39:55 02:44:54 02:54:54 02:54:54 02:54:54 02:54:55 03:09:55 03:09:55 03:09:55 03:24:55 03:29:55 03:29:55 03:29:55 03:29:55 03:29:55 03:29:55 03:29:55 03:29:55 03:29:55 03:34:54 03:39:54 03:44:55 03:49:55 03:59:55 03:59:55 04:04:56 04:14:56 04:14:56 04:19:56 04:24:56 04:29:57	H2O ppm 11602.5349 11300.7257 11095.5903 11274.0976 11209.7209 11067.9554 10900.4015 11279.8008 11245.8316 10813.7356 10990.2638 10883.5115 10682.0359 10611.2632 10489.8851 10528.4216 10378.3165 10708.9601 10519.5986 10435.7243 10605.9791 10419.6087 10309.1814 10291.5547 10304.1858 10224.6388 10120.8479 10052.4719 10200.3943 10178.2799 10277.1909	95% Cl 198.7 196.5 199.8 197.5 198.5 199.9 195.9 191.7 196.4 197.9 196.3 196.2 200.4 203.3 199.4 195.6 195.8 191.5 197.1 195.4 195.5	CO2 ppm 539.35 544.08 539.22 539.78 550.72 546.46 541.02 538.04 556.41 547.59 539.17 548.83 545.91 541.37 541.07 534.03 533.63 558.34 542.60 545.69 544.32 546.51 540.73 546.51 537.06 545.06 541.45 538.38 549.09	95% Ci 57.74 63.39 54.66 54.83 54.69 50.29 54.42 64.1 55.82 52.87 56.25 53.18 50.35 49.36 48.88 49.94 53.56 60.46 55.01 55.24 56.1 55.24 56.1 56.25 53.6 60.46 60.	SF6 ppm 0.00077395 0.00087053 0.00077335 0.00077332 0.00087052 0.00067665 0.00077347 0.00067665 0.00077287 0.00077287 0.00077287 0.00067566 0.00067566 0.00067573 0.00067586 0.00067586 0.00067586 0.00067586 0.00067587 0.00067586	0.0007 0.0006 0.0008 0.0007 0.0006 0.0007 0.0006 0.0006	CH4 ppm 7.0592 10.6059 33.0335 25.2067 13.5710 14.5300 28.4119 9.2009 9.7445 19.6528 7.8927 10.5152 12.4179 9.8576 15.3164 10.5382 13.1686 4.8270 25.3162 13.7470 8.6481 13.0419 11.9945 9.4134 13.6485 10.0772 23.6259 20.9281 7.5714	95% CI 0.494 0.564 0.517 0.594 0.465 0.446 0.499 0.59 0.484 0.451 0.409 0.423 0.414 0.409 0.487 0.61 0.489 0.497 0.511 0.503 0.464 0.482 0.487	NH3 ppm 0.03705304 0.05078087 0.03895767 0.03934252 0.05192909 0.03374907 0.02454806 0.03035271 0.05356263 0.03797446 0.02637408 0.03825691 0.03176562 0.0235587 0.02181652 0.01795868 0.02363686 0.03271842 0.0572331 0.03811582 0.04015003 0.04100271 0.04002236 0.03413291 0.03808616 0.03673627 0.04530888 0.04739278 0.05753888	95% CI 0.02 0.022 0.019 0.019 0.017 0.019 0.022 0.019 0.018 0.02 0.018 0.017 0.017 0.017 0.017 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019
Date 09/06/95	Time 01:54:54 01:59:54 02:04:54 02:09:54 02:14:55 02:19:55 02:24:54 02:34:55 02:39:55 02:44:54 02:59:55 03:04:55 03:09:54 03:14:54 03:19:55 03:24:55 03:29:55 03:24:55 03:29:55 03:24:55 03:29:55 03:24:55 03:29:55 03:34:54 03:49:55 03:54:55 03:59:55 04:04:56 04:19:56 04:19:56 04:19:56	ppm 11602.5349 11300.7257 11095.5903 11274.0976 11209.7209 11067.9554 10900.4015 11279.8008 11245.8316 10813.7356 10990.2638 10883.5115 10682.0359 10611.2632 10489.8851 10528.4216 10378.3165 10708.9601 10519.5986 10435.7243 10605.9791 10419.6087 10309.1814 10291.5547 10304.1858 10120.8479 10052.4719 10200.3943 10178.2799	198.7 196.5 199.8 197.5 198.5 196.5 199.9 195.9 191.7 196.4 197.9 196.3 196.2 200.4 203.3 199.4 195.6 195.8 191.5 197.1 195.4 197.4 194.9 200.6 198.7 193.3 195.1 193.3 195.3	ppm 539.35 544.08 539.22 539.78 550.72 546.46 541.02 538.04 556.41 547.59 539.17 548.83 545.91 541.37 541.07 533.53 535.35 545.91 542.60 545.69 544.32 546.51 558.34 546.51 559.06 541.45 538.38 549.09	57.74 63.39 54.66 54.83 62.53 54.69 50.29 54.42 64.1 55.82 52.87 56.25 53.18 50.35 49.36 48.88 49.94 53.56 60.46 55.01 55.24 56.1 55.95 53.6 53.7 54.59 54.6 57.47 60.66	ppm 0.00077395 0.00087053 0.00077332 0.00077332 0.00087032 0.00067652 0.00067665 0.00077347 0.00086964 0.00077287 0.00077287 0.00067586 0.00067586 0.0006753 0.00067586 0.0006753 0.00067586 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753	0.0007 0.0008 0.0007 0.0007 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0007 0.0006 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007	ppm 7.0592 10.6059 33.0335 25.2067 13.5710 14.5300 28.4119 9.2009 9.7445 19.6528 7.8927 10.5152 12.4179 9.8576 15.3164 10.5382 13.1686 4.8270 25.3162 13.7470 8.6481 13.0419 11.9945 9.4134 13.6485 10.0772 23.6259 20.9281	0.494 0.564 0.518 0.517 0.594 0.465 0.446 0.499 0.59 0.484 0.451 0.501 0.456 0.423 0.414 0.409 0.443 0.467 0.61 0.489 0.497 0.511 0.503 0.464 0.482 0.487 0.5514	ppm 0.03705304 0.05078087 0.03895767 0.03934252 0.05192909 0.03374907 0.02454806 0.03035271 0.05356263 0.03797446 0.02637408 0.03825691 0.03176562 0.02365368 0.02363686 0.03271842 0.0572331 0.03811562 0.04015003 0.04100271 0.04002236 0.03413291 0.03808616 0.03673627 0.04530888 0.04739278	0.02 0.022 0.019 0.019 0.022 0.019 0.017 0.019 0.022 0.019 0.018 0.02 0.018 0.017 0.017 0.017 0.017 0.019
09/06/95 09/06/95	01:54:54 01:59:54 02:04:54 02:09:54 02:14:55 02:19:55 02:24:54 02:39:55 02:39:55 02:44:54 02:59:55 03:04:55 03:09:54 03:14:54 03:19:55 03:29:55 03:24:55 03:29:55 03:34:54 03:39:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:59:55 03:59:55 03:59:55 04:04:56 04:19:56 04:19:56 04:24:56	ppm 11602.5349 11300.7257 11095.5903 11274.0976 11209.7209 11067.9554 10900.4015 11279.8008 11245.8316 10813.7356 10990.2638 10883.5115 10682.0359 10611.2632 10489.8851 10528.4216 10378.3165 10708.9601 10519.5986 10435.7243 10605.9791 10419.6087 10309.1814 10291.5547 10304.1858 10120.8479 10052.4719 10200.3943 10178.2799	198.7 196.5 199.8 197.5 198.5 196.5 199.9 195.9 191.7 196.4 197.9 196.3 196.2 200.4 203.3 199.4 195.6 195.8 191.5 197.1 195.4 197.4 194.9 200.6 198.7 193.3 195.1 193.3 195.3	ppm 539.35 544.08 539.22 539.78 550.72 546.46 541.02 538.04 556.41 547.59 539.17 548.83 545.91 541.37 541.07 533.53 535.35 545.91 542.60 545.69 544.32 546.51 558.34 546.51 559.06 541.45 538.38 549.09	57.74 63.39 54.66 54.83 62.53 54.69 50.29 54.42 64.1 55.82 52.87 56.25 53.18 50.35 49.36 48.88 49.94 53.56 60.46 55.01 55.24 56.1 55.95 53.6 53.7 54.59 54.6 57.47 60.66	ppm 0.00077395 0.00087053 0.00077332 0.00077332 0.00087032 0.00067652 0.00067665 0.00077347 0.00086964 0.00077287 0.00077287 0.00067586 0.00067586 0.0006753 0.00067586 0.0006753 0.00067586 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753 0.0006753	0.0007 0.0008 0.0007 0.0007 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0007 0.0006 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007	ppm 7.0592 10.6059 33.0335 25.2067 13.5710 14.5300 28.4119 9.2009 9.7445 19.6528 7.8927 10.5152 12.4179 9.8576 15.3164 10.5382 13.1686 4.8270 25.3162 13.7470 8.6481 13.0419 11.9945 9.4134 13.6485 10.0772 23.6259 20.9281	0.494 0.564 0.518 0.517 0.594 0.465 0.446 0.499 0.59 0.484 0.451 0.501 0.456 0.423 0.414 0.409 0.443 0.467 0.61 0.489 0.497 0.511 0.503 0.464 0.482 0.487 0.5514	ppm 0.03705304 0.05078087 0.03895767 0.03934252 0.05192909 0.03374907 0.02454806 0.03035271 0.05356263 0.03797446 0.02637408 0.03825691 0.03176562 0.02365368 0.02363686 0.03271842 0.0572331 0.03811562 0.04015003 0.04100271 0.04002236 0.03413291 0.03808616 0.03673627 0.04530888 0.04739278	0.02 0.022 0.019 0.019 0.022 0.019 0.017 0.019 0.022 0.019 0.018 0.02 0.018 0.017 0.017 0.017 0.017 0.019
09/06/95 09/06/95	01:59:54 02:04:54 02:09:54 02:19:55 02:19:55 02:24:54 02:29:54 02:34:55 02:34:55 02:34:55 02:44:54 02:54:54 02:59:55 03:04:55 03:14:54 03:19:55 03:24:55 03:24:55 03:24:55 03:39:54 03:39:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:49:55 03:59:55 04:04:56 04:19:56 04:19:56 04:24:56	11602.5349 11300.7257 11095.5903 11274.0976 11209.7209 11067.9554 10900.4015 11279.8008 11245.8316 10813.7356 10990.2638 10883.5115 10682.0359 10611.2632 10489.8851 10528.4216 10378.3165 10708.9601 10519.5986 10435.7243 10605.9791 10419.6087 10309.1814 10291.5547 10304.1858 10120.8479 10003.943 10178.2799	198.7 196.5 199.8 197.5 198.5 196.5 199.9 195.9 191.7 196.4 197.9 196.3 196.2 200.4 203.3 199.4 195.6 195.8 191.5 197.1 195.4 197.4 194.9 200.6 198.7 193.3 195.1 193.3 195.3	539.35 544.08 539.22 539.78 550.72 546.46 541.02 538.04 556.41 547.59 539.17 548.83 545.91 541.37 541.07 533.63 533.63 545.60 544.32 544.01 540.73 546.51 537.06 541.45 538.38 549.09	57.74 63.39 54.66 54.83 62.53 54.69 50.29 54.42 64.1 55.82 52.87 56.25 53.18 50.35 49.36 48.88 49.94 53.56 60.46 55.01 55.24 56.1 55.95 53.6 53.7 54.59 54.6 57.47 60.66	0.00077395 0.00087053 0.00077335 0.00077332 0.00087032 0.00077362 0.00067665 0.00067665 0.00077287 0.00077287 0.00077287 0.00067586 0.00067534 0.00067534 0.00067534 0.00077212 0.00086863 0.00086863 0.000867573 0.00086757	0.0007 0.0008 0.0007 0.0007 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0006 0.0007 0.0006 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007	7.0592 10.6059 33.0335 25.2067 13.5710 14.5300 28.4119 9.2009 9.7445 19.6528 7.8927 10.5152 12.4179 9.8576 15.3164 10.5382 13.1686 4.8270 25.3162 13.7470 8.6481 13.0419 11.9945 19.4134 13.6485 10.0772 23.6259 20.9281	0.494 0.564 0.518 0.517 0.594 0.465 0.446 0.499 0.59 0.484 0.451 0.501 0.456 0.423 0.414 0.409 0.443 0.467 0.61 0.489 0.497 0.511 0.503 0.464 0.482 0.487 0.5514	0.03705304 0.05078087 0.03895767 0.03934252 0.05192909 0.03374907 0.02454806 0.03035271 0.05356263 0.03797446 0.02637408 0.03825691 0.03176562 0.02181652 0.01795868 0.02363686 0.03271842 0.0572331 0.03811562 0.04015003 0.04100271 0.04002236 0.03673627 0.03808616 0.03673627 0.04530888 0.04739278	0.02 0.022 0.019 0.019 0.022 0.019 0.017 0.019 0.022 0.019 0.018 0.02 0.018 0.017 0.017 0.017 0.017 0.019
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09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	03:49:55 03:54:55 03:59:55 04:04:56 04:09:56 04:14:56 04:19:56 04:24:56	10291.5547 10304.1858 10224.6388 10120.8479 10052.4719 10200.3943 10178.2799	200.6 198.7 193.3 195.1 193.3 192.8 195.3	540.73 546.51 537.06 545.06 541.45 538.38 549.09	53.6 53.7 54.59 54.6 57.47 60.66	0.00077137 0.00077137 0.00086779 0.00086762 0.00086694 0.00086711	0.0006 0.0007 0.0007 0.0007	9.4134 13.6485 10.0772 23.6259 20.9281	0.464 0.482 0.487 0.514 0.55	0.03413291 0.03808616 0.03673627 0.04530888 0.04739278	0.019 0.019 0.019 0.019 0.02
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	03:54:55 03:59:55 04:04:56 04:09:56 04:14:56 04:19:56 04:24:56	10304.1858 10224.6388 10120.8479 10052.4719 10200.3943 10178.2799	198.7 193.3 195.1 193.3 192.8 195.3	546.51 537.06 545.06 541.45 538.38 549.09	53.7 54.59 54.6 57.47 60.66	0.00077137 0.00086779 0.00086762 0.00086694 0.00086711	0.0006 0.0007 0.0007 0.0007	13.6485 10.0772 23.6259 20.9281	0.482 0.487 0.514 0.55	0.03808616 0.03673627 0.04530888 0.04739278	0.019 0.019 0.019 0.02
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	03:59:55 04:04:56 04:09:56 04:14:56 04:19:56 04:24:56	10224.6388 10120.8479 10052.4719 10200.3943 10178.2799	193.3 195.1 193.3 192.8 195.3	537.06 545.06 541.45 538.38 549.09	54.59 54.6 57.47 60.66	0.00086779 0.00086762 0.00086694 0.00086711	0.0007 0.0007 0.0007	10.0772 23.6259 20.9281	0.487 0.514 0.55	0.03673627 0.04530888 0.04739278	0.019 0.019 0.02
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	04:04:56 04:09:56 04:14:56 04:19:56 04:24:56	10120.8479 10052.4719 10200.3943 10178.2799	195.1 193.3 192.8 195.3	545.06 541.45 538.38 549.09	54.6 57.47 60.66	0.00086762 0.00086694 0.00086711	0.0007 0.0007	23.6259 20.9281	0.514 0.55	0.04530888 0.04739278	0.019 0.02
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	04:09:56 04:14:56 04:19:56 04:24:56	10052.4719 10200.3943 10178.2799	193.3 192.8 195.3	541.45 538.38 549.09	57.47 60.66	0.00086694 0.00086711	0.0007	20.9281	0.55	0.04739278	0.02
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	04:14:56 04:19:56 04:24:56	10200.3943 10178.2799	192.8 195.3	538.38 549.09	60.66	0.00086711	-	 			
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	04:19:56 04:24:56	10178.2799	195.3	549.09			0.0007				
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95	04:24:56			+	04.98						
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95		10277.1909			60.00	0.00096331	0.0008	12.1172	0.603	0.06223009	0.023
09/06/95 09/06/95 09/06/95 09/06/95	134 24 5			552.28	69.99	0.0009635	0.0008	8.3603	0.628	0.06677067	0.024
09/06/95 09/06/95 09/06/95		10089.5587	192.9	557.28	73.27	0.00105965	0.0009	19.2589	0.666	0.07465684	0.025
09/06/95 09/06/95 09/06/95	04:34:57	10075.9395	190.4	551.68	71.78	0.00105944	0.0009	6.3296	0.615	0.07030823	0.025
09/06/95 09/06/95	04:39:57	10271.5287	199.6	564.31	78.18	0.00105965	0.0009	5.1609	0.613	0.08515696	0.027
09/06/95	04:44:56	10009.2912	193.4	571.90	84.84	0.00115575	0.001	8.3039	0.679	0.09351957	0.029
	04:49:56	9878.01901		564.85	72.21	0.00105903	0.0009	17.0145	0.625	0.07557596	0.025
	04:54:57	9902.92018	192.8	565.09	70.32	0.00105805	0.0008	23.5336	0.63	0.07415936	0.024
	04:59:57	10074.324	195	566.19	75.9	0.00105903	0.0009	4.4675	0.642	0.07576851	0.026
09/06/95	05:04:57	9844.71857	192.2	583.31	81.25	0.00115468	0.001	25.2003	0.712	0.09275942	0.028
09/06/95	05:09:56	9876.57501	193.6	572.05	71.85	0.00115508	0.0009	15.7800	0.617	0.0727698	0.025
09/06/95	05:14:56	9712.06881		581.43	71.2	0.0011544	0.0008	38.8357	0.673	0.08205865	0.025
	05:19:56			559.31				5.4503	0.569	0.06079843	0.024
	05:24:57	9919.48662	_	573.08	79.07	0.00115463		12.0448	0.687	0.08371037	0.027
	05:29:57	9557.5347		564.68	72.14	0.00115418	0.0009	11.6130	0.609	0.07107797	0.025
	05:34:57	9822.80269		563.72	65.72	0.00105799	0.0008	6.0386	0.539	0.06049803	0.023
	05:39:57	9703.05699		574.88	67.89	0.00105799	0.0008	9.8391	0.595	0.06934671	0.024
	05:44:58	9896.18056		558.15	77.42	0.00105784	0.0009	2.8396	0.65	0.07501041	0.027
	05:49:58	9822.32179		585.74	94.85	0.00115418	0.0011	12.7006	0.749	0.11089703	0.033
09/06/95	05:54:58	9518.40839		583.28	90.86	0.0012492	0.0011	33.6432	0.803	0.10800758	0.031
09/06/95	05:59:57	9633.81507		565.31	82.28	0.00115311	0.001	3.7658	0.699	0.084465	0.029
	06:04:57	9805.42755		577.34	94.19	0.00115333	0.0011	3.7905	0.694		0.033
	06:09:57	9590.38141		593.27	102.9	0.0012492	0.0012	14.7303	0.765	0.12386279	0.036
	06:14:58	9454.77511	189.5	573.56	87.51	0.00124895	0.001	8.2215	0.711	0.0975145	0.03
09/06/95	06:19:58	9446.33927	188	580.78	81.23	0.0012492	0.001	11.8349	0.694		0.028
	06:24:58	9488.4256	189.8	578.45	80.94	0.00115249	0.001	8.8566	0.689	0.08749297	0.028
09/06/95	06:29:58	9693.25158	194	585.10	83.05	0.00115271	0.001	8.4316	0.717	0.09202484	0.029
	06:34:58	9519.25463	187.4	605.15	89.72	0.00124853	0.0011	45.3124	0.845	0.11371205	0.031
09/06/95	06:39:58	9668.37221		578.95	87.76	0.00124877	0.001	4.9070	0.733	0.0956751	0.03
09/06/95	06:44:59	9781.80623		603.56	109.7	0	0.0013	6.9190	0.783	0.13114659	
09/06/95	06:50:01	9524.50911		596.45	106.1	0.00134509	+	22.3959	0.765	0.13114659	
				624.82	108.5	0.00134536		81.1547	0.871	0.15442762	+
09/06/95	06:54:59	9771.51106						50.5589	0.861	0.19636328	

in ppm Date	en processing "upwind" data Time										
		H2O		CO2		SF6		CH4		NH3	
1 1		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	07:04:58	10203.4538	199	662.95	168.9	0	$\overline{}$	50.5294	0.846	0.23706346	0.058
09/06/95	07:10:00	10415.9828	204.8	671.92	190.2	0		25.8163	0.758	0.26342593	0.066
09/06/95	07:14:59	10503.1831	202.1	668.91	182.9	0	0.0022	35.0170	0.855	0.25687973	0.063
09/06/95	07:19:59	10772.9364		654.54	164.2	0	0.002	35.8789	1.055	0.26283949	0.057
09/06/95	07:24:59	11007.6339	203	639.88	143	0		16.8900	1.128	0.21232448	0.05
09/06/95	07:29:59	11270.5806	198.3	637.49	129.5	0.00155202		16.4828	1.103	0.1794524	0.045
09/06/95	07:34:59	11459.813	196.5	636.48	105.1	0.00155382		26.2014	0.862	0.14761293	0.036
09/06/95	07:39:59	11713.471		629.00	91.7	0.00145896	0.0011	26.1319	0.677	0.14998067	0.032
09/06/95	07:44:59	12139.2015		610.73	71.88	0.00136432	0.0009	14.8696	0.466	0.09374804	0.025
09/06/95	07:50:00	12979.4784	194.4	607.92	75.05	0.00136589	0.0009	9.4749	0.518	0.07561183	0.026
09/06/95	07:55:00	13144.9114	194.7	592.45	73.04	0.00136621	0.0009	4.0310	0.468	0.06460231	0.025
09/06/95	08:00:00	13296.1861		574.41	64.3	0.00126887	0.0008	3.7549	0.393	0.04655773	0.022
09/06/95	08:05:00	13423.6822		554.06	55	0.0010749	0.0007	5.3642	0.349	0.02638379	0.019
09/06/95	08:10:00	13657.1419		553.31	53.2	0.00097793	0.0006	13.3482	0.349	0.02503493	0.018
09/06/95	08:15:00	13818.231		541.70	51.84	0.00088098	0.0006	4.4356	0.321	0	0.018
09/06/95	08:20:01	14003.7015	196.4	540.34	51.92	0.00088131	0.0006	3.8317	0.317	0	0.018
09/06/95	08:25:01	14314.0111		542.15	51.96	0.00088186	0.0006	4.3108	0.315	Ö	0.018
09/06/95	08:30:01	14380.6525	189	541.80	51.25	0.00088321	0.0006	6.4355	0.311	o	0.018
09/06/95	08:35:00	14852.8106		543.82	51.34	0.00088489	0.0006	3.5783	0.309	Ö	0.018
09/06/95	08:40:00	14933.5613	184.1	544.44	51.11	0.00088607	0.0006	2.3995	0.303	Ö	0.018
09/06/95	08:45:01	15333.9968	184.7	545.10	51.03	0.00088826	0.0006	2.7903	0.304	0	0.018
09/06/95	08:50:01	15514.173		547.11	51.04	0.00088944	0.0006	2.8225	0.303	0	0.018
09/06/95	08:55:01	15825.0537		550.02	50.88	0.00089096	0.0006	4.0981	0.299	0	0.018
09/06/95	09:00:00	16265.4996		553.08	50.64	0.00089319	0.0006	6.9639	0.301	Ö	0.018
09/06/95	09:05:00	16352.7498		548.42	50.48	0.00089352	0.0006	2.9890	0.296	0	0.018
09/06/95	09:10:00	16605.2734	196.8	548.05	50.09	0.0008947	0.0006	3.0990	0.291	0	0.017
09/06/95	09:15:01	16737.4314	204.4	546.47	49.83	0.00089504	0.0006	2.9564	0.29	0	0.017
09/06/95	09:20:01	16774.9895	216.1	541.81	49.45	0.00089588	0.0006	2.3864	0.287	0	0.017
09/06/95	09:25:00	17254,1826		546.03	49.53	0.00089709	0.0006	4.5755	0.285	0	0.017
09/06/95	09:25:00	16745.5652		537.17	_	0.00089895		2.5778		0	0.017
09/06/95			247	541.87	48.75 49		0.0006		0.28	0	0.017
09/06/95	09:35:01 09:40:01	17040.4995	262.4		48.65	0.00089962		2.9665	0.277	0	0.017
09/06/95	09:45:00	17150.6163 16565.4859		541.18 532.47	47.74	0.00100089	0.0006	3.3459 2.5272	0.277	0	0.017
09/06/95	09:45:00			533.95	47.74	0.00090114	0.0006	3.1755	0.272	0	0.017
09/06/95		16753.6714				0.00090347	0.0006		_		0.016
09/06/95	09:55:02 10:00:02	16162.7214		526.23	46.35	0.00090366	0.0006	8.3906	0.261	0	0.016
09/06/95		15895.4891		522.31	46.12	0.00090383	0.0006	5.7309	0.258		
	10:05:01	15753.499	346.3	522.06	45.68	0.00090566	0.0005	5.0176	0.253		0.016
09/06/95 09/06/95	10:10:01	14680.51		516.05	44.62	0.00090481	0.0005	7.0928	0.243	0	0.015
	10:15:02	14681.7549	-	512.92	44.39	0.00090515	0.0005	6.2186	0.244	0	0.015
09/06/95	10:20:03	14754.871	382.2	521.17	44.76	0.00090515	0.0005	5.0681	0.244	0	0.016
09/06/95	10:25:01	15584,1144		521.62	45.58	0.00090681	0.0005	4.4740	0.249	0	0.016
09/06/95	10:30:01	15863.7365		525.33		0.00090765	0.0005	6.0773	0.245	0	0.016
09/06/95	10:35:02	16027.9583		529.04	46.21	0.00100981	0.0006	4.1904	0.248	0	0.016
09/06/95	10:40:02	16177.8263		530.34	46.08	0.00090984	0.0005	5.4969	0.253	0	0.016
09/06/95	10:45:01	16510.4703		531.56	46.31	0.00101056	0.0006	5.7770	0.248	0	0.016
09/06/95	10:50:01	16350.3932		531.05	46.03	0.00101094	0.0005	4.6830	0.251	0	0.016
09/06/95	10:55:07	16401.2596		535.08	46.26	0.00101169	0.0006	4.2922	0.251	0	0.016
09/06/95	11:00:01	16861.8501		537.91	46.19	0.00101206	0.0006	3.4529	0.251	0	0.016
09/06/95	11:05:01	16535.4548		537.92	46.09	0.00101131	0.0005	3.4191	0.247	0	0.016
09/06/95	11:10:00	16402.6753	-	533.76	45.73	0.00091119	0.0005	6.4741	0.25	0	0.016
09/06/95	11:15:01	16320.4985		530.52	45.8	0.00091086	0.0005	4.9553	0.253	.0	0.016
09/06/95	11:20:01	17090.5109		542.13	46.15	0.00091268	0.0006	3.8446	0.249	0	0.016
09/06/95	11:25:00	17243.7825		546.09	46.48	0.00101428	0.0006	4.5606	0.245	0	0.016
09/06/95	11:30:00	17226.5397		545.38	46.24	0.00101428	0.0006	6.2197	0.249	0	0.016
09/06/95	11:35:02	16718.2373	429.2	538.89	45.66	0.00091268	0.0005	5.9475	0.248	0	0.016
09/06/95	11:40:00	16850.1543	436.2	538.29	45.84	0.00091218	0.0005	5.5333	0.25	0	0.016
09/06/95	11:45:00	17087.2101	430.8	543.55	45.51	0.00091336	0.0005	4.7833	0.244	0	0.016
09/06/95	11:50:00	17154.7566	428	544.05	45.53	0.00091386	0.0005	5.2957	0.246	0	0.016
nameine	11:55:01	17130.47		540.49	45.47	0.00081185	0.0005	4.0155	0.254	0	0.016
09/06/95										1	0.016
09/06/95	12:00:01	17203.1215	437	545.76	45.34	0.00091451	0.0005	5.7265	0.249	0	0.010
				545.76 547.29	45.34 45.34	0.00091451	0.0005	6.0804	0.249	0	0.016

		plant in SE U.S	J							~	
in ppm	"upwind" data Time	H2O		CO2		SF6		CH4		NH3	<u> </u>
Date	ime	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
09/06/95	12:15:02	17605,1785	444.7	563.14	46.07	0.00091567	0.0005	4.8259	0.248	O	0.016
09/06/95	12:20:03	17443.1451	459	549.50	45.35	0.00081378	0.0005	4.4956	0.248	0	0.016
09/06/95	12:25:03	17289.4207	469.4	548.99	45.53	0.00091651	0.0005	2.4830	0.248	0	0.016
09/06/95	12:30:02	17819.5334	471.5	554.70	45.45	0.00091702	0.0005	4.0297	0.249	0	0.016
09/06/95	12:35:04	18129.5615	467.3	560.20	46.2	0.00091719	0.0006	5.9391	0.255	<u>ö</u>	0.016
09/06/95	12:40:02	17351.3595	484.2	550.11	45.42	0.00081438	0.0005	6.9380	0.251	0	0.016
09/06/95	12:45:04	17425.262	481.5	553.15	45.52	0.00081481	0.0005	5.1163	0.252	0	0.016
09/06/95	12:50:03	17362.2299	473.8	555.90	45.16	0.00091716	0.0005	4.0883	0.247	- 0	0.016
09/06/95	12:55:02	17026.2634	482	548.97	44.95	0.00091767	0.0005	4.2393	0.243		0.016
09/06/95	13:00:02	16923.4015	471	549.08	45.18	0.00081496	0.0005	2.5519	0.243	0	0.016
09/06/95	13:05:03	17580.947	471.3	564.26	45.33	0.00071322	0.0005	6.0113	0.257	0	0.016
09/06/95	13:10:03	17206.6063	460.5	560.28	45.61	0.00061244	0.0005	4.1389	0.253	0	0.016
09/06/95	13:15:02	16975.2297	468.8	548.65	45.63	0.0006121	0.0005	8.4883	0.243	0	0.016
09/06/95	13:20:02	17273.9143	469.1	552.11	45.31	0.000613	0.0005	4.4091	0.251	0	0.016
09/06/95	13:25:05	17845.3193	472	557.82	47.77	0.000010	0.0006	7.9032	0.267	0	0.017
09/06/95	13:30:02	17307.3449	470	539.82	49.86	0.00143188	0.0006	5.6708	0.265	- 0	0.017
09/06/95	13:35:02	16103.1567	473.8	524.88	51.52	0.00143188	0.0006	2.8520	0.268	0	0.017
09/06/95	13:40:03	16657.9394	475.4	538.22	49.29	0.0015372	0.0006	2.5503	0.262		0.018
09/06/95	13:45:04	16268.8112	463.7	532.32	48.51	0.00683371	0.0006	6.5743	0.261	- 0	0.017
09/06/95	13:50:02	16248.4121	464.8	530.89	49.9	0.00101996	0.0006	6.2740	0.258		0.017
09/06/95	13:55:02	15566.8211	464.8	525.40	50.51	0.00101990	0.0006	3.4089	0.25	0	0.018
09/06/95	14:00:03	16320.4421	484.9	523.67	55.47	0.00214619	0.0007	4,2042	0.258		0.019
09/06/95	14:05:03	15912.8872	495.1	511.05	58.19	0.0030626	0.0007	4.0864	0.263	0	0.013
09/06/95	14:10:02	16636.8846	483.7	530.38	55.68	0.00583058	0.0007	5.4944	0.256	0	0.019
09/06/95	14:15:03	16336.2871	491.9	525.61	52.83	0.00501949	0.0006	3.8590	0.231	. 0	0.018
09/06/95	14:20:03	16447.444	496.6	533.31	50.64	0.00511817	0.0006	5.2853	0.217	- 0	0.018
09/06/95	14:25:04	16364.4959	505.4	532.69	51.71	0.01239052	0.0006	5.5659	0.222	0	0.018
09/06/95	14:30:02	16620.6804	523.2	528.69	58.66	0.00901294	0.0007	6.0785	0.251	. 0	0.02
09/06/95	14:35:04	16114.7961	547.3	514.41	61.96	0.00593272	0.0007	8.0610	0.255	0	0.021
09/06/95	14:40:03	16106.9376	561.6	501.24	67.29	0.01216559	0.0008	9.1121	0.264	0	0.023
09/06/95	14:45:02	16348.494	583.1	501.05	66.46	0.00163807	0.0008	5.7123	0.267	. 0	0.023
09/06/95	14:50:02	16423.4453	573.9	510.72	63.72	0.00490881	0.0008	4.4113	0.264	0	0.022
09/06/95	14:55:03	16163.892	527.7	518.08	60.36	0	0.0007	3.2350	0.243	0	0.021
09/06/95	15:00:03	15851.6014	555.8	521.63	55.34	0.00624401	0.0007	7.4711	0.218	0	0.019
09/06/95	15:05:02	16471.3552	579.4	524.89	55.14	0.00727162	0.0007	4.8938	0.225	0	0.019
09/06/95	15:10:03	16286.0422	585	523.52	56.97	0.0038939	0.0007	4.8083	0.241	0	0.02
09/06/95	15:15:03	15298.3846		507.34	63.69	0.00256131	0.0008	4,2760	0.249	0	0.022
09/06/95	15:20:02	-15157.7014	-561.6	505.00	63.97	0.00256084	0.0008	5.1230	0.237	- 0	0.022
09/06/95	15:25:02	15317.3661	566.2	511.83	61.29	0.00440788	0.0007	4.3941	0.236	0	0.021
09/06/95	15:30:03	15405.8653	618.5	498.80	67.33	0.00440777	0.0008	5.4865	0.254	0	0.023
09/06/95	15:35:03	16009.8663	625.4	491.63	70.49	0.01096615	0.0008	7,0158	0.271	0	0.024
09/06/95	15:40:02	15670.6181		490.53		0.00727394		7.6081	0.273	0	0.023
09/06/95	15:45:03	15413.5445		469.66	75.83	0.00573508	0.0009	7.4091	0.282	0	0.026
09/06/95	15:50:03	15769.7452		507.89	61.73	0.00583428	0.0007	5.7274	0.27	0	0.021
09/06/95	15:55:02	16007.1254		502.13	65.54	0.00317478	0.0008	6.0452	0.264	0	0.023
09/06/95	16:00:01	16349.829		508.26	67.41	0.01167713	0.0008	5.6106	0.256	0	0.023
09/06/95	16:05:02	16456.8616	647.4	511.40	67.04	0.01599097	0.0008	7.2175	0.259	0	0.023
09/06/95	16:10:02	16343.0889	-	511.36	66.93	0.00923211	8000.0	6.0921	0.26	0	0.023
09/06/95	16:15:02	16460.0865		505.11	71.96	0.00840993	0.0009	7.2851	0.267	0	0.025
09/06/95	16:20:03	16298.4818	664.9	500.54	69.65	0.00912116	0.0008	6.1511	0.258	0	0.024
09/06/95	16:37:43	16449.7877	793.8	414.70	75.78	0	0.0009	7.7687	0.242	0	0.026
09/06/95	16:40:46	16880.5481	785.2	421.54	80.99	0.16949613	0.001	35.6856	0.266	0	0.028
Run 21										·	
09/06/95	16:49:36	16999.9345	796.4	424.67	82.09	0.16205838	0.001	30.7468	0.263	0	0.028
09/06/95	16:54:36	17023.7657		410.81	85.06	0.15653943		29.7691	0.267	0	0.029
09/06/95	16:59:35	16406.4073		417.10	89.42	0.15454585	0.0011	29.0889	0.266	ō	0.031
09/06/95	17:04:36	16072.6923	826.9	425.14	86.85	0.14914114	0.001	29.8509	0.269	ō	0.03
09/06/95	17:09:36	16366.6267	857.9	525.21	88.72	0.14651035	0.0011	26.1572	0.28	0	0.031
09/06/95	17:14:37	16388.0456	813.7	468.28	74.93	0.14311007	0.0009	23.0336	0.26	0	0.026
09/06/95	17:19:36	16529.0914		534.44	76.48	0.13956101	0.0009	25.5100	0.275	0	†
-	17:24:36	16767.9593		499.19	80.14	0.13578081		23.3870	0.262	0	0.028
09/06/95	17.24.30										

Site: Chick	en processing	plant in SE U.S	S.						i	-	T
in ppm	"upwind" data	<u> </u>									
Date	Time	H2O	-	CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	17:34:36	16277.3569	788.6	468.40	85.92	0.12952804	0.001	18.4537	0.27	0	0.03
09/06/95	17:39:36	16450.553	801.7	444.48	86.73	0.12619194	0.001	19.5848	0.262	0	0.03
09/06/95	17:44:35	16571. <u>1342</u>	810.2	453.35	83.9	0.12313151	0.001	18.1221	0.267	0	0.029
09/06/95	17:49:36	16652.0076	789.4	479.90	78.89	0.12053666	0.0009	21.2295	0.266	0	0.027
09/06/95	17:54:36	16654.6293	779.6	448.63	74.15	0.11733207	0.0009	24.6176	0.266	0	0.026
09/06/95	17:59:36	16383,3947	799.4	436.28	73.67	0.11459697	0.0009	21.5801	0.261	0	0.026
09/06/95	18:04:35	16557,2973	796.6	420.30	72.82	0.11176702	0.0009	22.5935	0.262	0	0.025
09/06/95	18:09:36	16623.7644	788.9	419.71	71.48	0.10891793	0.0009	22.7181	0.266	0	0.025
09/06/95	18:14:36	16496. <u>2841</u>	797.7	415.80	72.53	0.10631354	0.0009	22.5180	0.261_	0	0.025
09/06/95	18:19:35	16548.0531	794.2	417.73	72.16	0.10389887	0.0009	26.4944	0.27	0	0.025
09/06/95	18:24:36	16611.4999	788.6	417.01	71.14	0.10148766	0.0008	25.3611	0.268	0	0.025
09/06/95	18:29:36	16632,3856	785.5	423.37	70.78	0.09919972	0.0008	24.0484	0.267	0	0.025
09/06/95	18:34:35	16733.091	774	414.77	70.47	0.0968783	0.0008	22.5341	0.272	0	0.024
09/06/95	18:39:36	16759.2653	768.5	412.63	70.85	0.09457585	0.0008	16.1483	0.268	0	0.025
09/06/95	18:44:36	16871.1484	741.4	411.39	71.8	0.09232911	0.0009	19.0234	0.274	0	0.025
09/06/95	18:49:36	16804.8301	699	399.28	72.28	0.0901215	0.0009	11.3226	0.278	0	0.025
09/06/95	18:54:35	16641.5772	698.2	397.17	71.94	0.08803518	0.0009	10.0158	0.278	0	0.025
09/06/95	18:59:36	16937.285	667.9	409.10	72.52	0.0858717	0.0009	32.9490	0.306		0.025
09/06/95 09/06/95	19:04:36 19:09:35	16722.5802	669.7	404.46	73.62	0.08370585	0.0009	28.6926	0.305	0	0.026
09/06/95	19:14:36	16467,1037 16466,5246	663.2 637.2	398.18 413.56	73.37 73.37	0.08170467	0.0009	16.6180 39.6025	0.294	0	0.025
09/06/95	19:19:36	16304.822	653.7	403.97	73.72	0.07803028	0.0009	38.1925	0.322	0	0.025
09/06/95	19:24:36	16154.6662	657.1	391.34	73.72	0.0760697	0.0009	14.8981	0.320	0	0.025
09/06/95	19:29:35	16038.436	660.4	385.54	74.38	0.07437218	0.0009	12.0634	0.302	0	0.026
09/06/95	19:34:36	15935.9774	642.8	395.60	73.69	0.07263399	0.0009	18.6975	0.307	0	0.026
09/06/95	19:39:36	15805.1198	637	398.21	73.59	0.07097063	0.0009	43.1680	0.341	0	0.026
09/06/95	19:44:35	15676.7202	663.6	378.26	72.75	0.06943611	0.0009	13.7187	0.307	0	0.025
09/06/95	19:49:36	15820.5664	606.2	402.77	71.7	0.06799313	0.0009	33.9957	0.328	0	0.025
09/06/95	19:54:36	15516.5011	. 645	385.17	72.68	0.06638469	0.0009	29.1872	0.326	0	0.025
09/06/95	19:59:36	15728.415	599.3	398.46	71.07	0.06496673	8000.0	21.5543	0.313	0	0.025
09/06/95	20:04:35	15640.2672	600.1	402.73	69.92	0.06367336	0.0008	43.2011	0.353	. 0	0.024
09/06/95	20:09:36	15529.1163	619.3	390.40	68.95	0.06223338	0.0008	28.0998	0.322	0	0.024
09/06/95	20:14:36	15522.4817	586.5	423.96	68.65	0.06090638	0.0008	74.1080	0.439	0	0.024
09/06/95	20:19:36	15404.3459	612.7	396.56	68.98	0.05965752	0.0008	47.3657	0.364	0	0.024
09/06/95	20:24:35	15410.7041	607.7	394.25	67.99	0.05842243	0.0008	23.1807	0.314	0	0.024
09/06/95	20:29:36	15367.4666	624.7	381.24	67.16	0.05730603	0.0008	8.4239	0.304	0	0.023
09/06/95	20:34:36	15321.9458	625.3	391.09	65.04	0.05625418	0.0008	14.0231	0.301	0	0.023
09/06/95	20:39:36	15219.8939	601	394.90	62.65	0.05523196	0.0007	7.7387	0.296		0.022
09/06/95	20:44:37	15075,5407	591.4	395.45	62.18	0.05415574	0.0007	6.0110	0.299	0	0.022
09/06/95	20:49:36	14982.685	569.8	402.68	62.46	0.05300043	0.0007	22.5809	0.319	0	0.022
09/06/95	20:54:35	14946.8583	537.1	406.83	63.33	0.05183594	0.0008	29.5258	0.332	0	0.022
09/06/95	20:59:35	14885.3114		405.85	62.94	0.05069353		32.5256	0.332	0	0.022
09/06/95	21:04:36	14706.6887		403.19	61.89	0.04972777		16.1431	0.309	0	0.021
09/06/95	21:09:36	14584.0327		391.93	61.03	0.04880495	0.0007	4.5737	0.309	0	0.021
09/06/95	21:14:37	14546.3895		403.88	60.99	0.04780191	0.0007	7.5227	0.311	0	0.021
09/06/95	21:19:35	14575.9814		396.90	62.07	0.04671757	0.0007	18.7894	0.322	0	0.022
09/06/95	21:24:36	14509.8581	492.3	404.12	62.35	0.04572924	0.0007	34.5138	0.351	0	0.022
09/06/95	21:29:36	14468.6574		396.30	62.82	0.04475996	0.0007	32.6906	0.351	0	0.022
09/06/95	21:34:36	14541,2958		416.27	63.7	0.04380206	8000.0	27.4187	0.347	0	0.022
09/06/95	21:39:35	14362.4305		415.20	63.8	0.04276443	8000.0	41.4180	0.377	0	0.022
09/06/95	21:44:35	14283.5729		392.23	64.11	0.04182772		15.3024	0.337	0	0.022
09/06/95	21:49:36	14344.7627		438.52	64.53	0.04112932	0.0008	32.9073	0.372	0	0.022
09/06/95 09/06/95	21:54:36 21:59:35	14231.8992		402.65	64.79	0.04029411	0.0008	31.2089	0.361	0	0.022
09/06/95		14341.1145	432.1	445.84	65.65	0.0395818	0.0008	9.7395	0.349	0	0.023
09/06/95	22:04:35 22:09:36	14160.6856		412.52	64.23	0.03867346		12.5272	0.338	0	0.022
09/06/95	22:14:36	14073.1694 13886.5306		412.54 415.53	63.63 63.55	0.03797736 0.03707769	0.0008	21.7273 42.4794	0.354	0	0.022
09/06/95	22:14:36	14023.2091							0.384	0	0.022
09/06/95	22:19:36	13889.076		415.35 422.78	63.17 62.95	0.03638229		28.7755 29.9849	0.371	0	0.022
09/06/95	22:24:37	13889.076	415.9	422.78	-	0.03567349	0.0008	25.9647	0.37	0	0.022
09/06/95	22:34:36	13654.9123	397.2	457.42	63.95 64.57	0.03514845	0.0008			0	0.022
09/06/95	22:34:36	13809.2315	396.9			0.03443478	0.0008	7.7264	0.362	0	0.022
03/00/93	<u>دد</u> .ن۳.۵/	13009,2313	<u>45</u> 5.3	485.82	66.66	0.03412738	0.0008	1.7204	0.362	<u> </u>	0.023

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	cen processing	plant in SE U.S	S								
in ppm	"upwind" data				ļ						
Date	Time	H2O	<u> </u>	CO2		SF6		CH4	ll	NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	22:44:37	13924.9507	432.9	436.89	64.21	0.03314671	0.0008	7.4420	0.361	0	0.022
09/06/95	22:49:35	13476.3194	426.5	531.22	69.76	0.0328399	0.0008	25.1704	0.392	0	0.024
09/06/95	22:54:36	13548.1162	434	491.14	68.54	0.03184127	0.0008	6.8355	0.378	0	0.024
09/06/95	22:59:36	13547.3763	417.3	456.86	65.14	0.03124743	0.0008	10.7900	0.358	0	0.023
09/06/95	23:04:37	13184.666	434.7	458.44	64.25	0.03075175	0.0008	18.5028	0.369	0	0.022
		13167.5041	401.6	454.96	65.12	0.02993949	0.0008	18.2959	0.361		0.022
09/06/95	23:09:36				-					0	
09/06/95	23:14:36	13292.3248	468.5	468.87	65.5	0.02943896	0.0008	14.2302	0.373	0	0.023
09/06/95	23:19:36	13006.8186	424.4	504.67	66.94	0.02903657	0.0008	16.6426	0.371	0	0.023
09/06/95	23:24:36	13012.1359	470.8	554.62	75.55	0.02893323	0.0009	14.9247	0.392	0	0.026
09/06/95	23:29:37	12986.8044	467	561.83	74.3	0.02823813	0.0009	23.6662	0.408	0	0.026
09/06/95	23:34:36	12942.395	395.3	476.63	66.07	0.02764655	0.0008	17.4136	0.377	0	0.023
09/06/95	23:39:36	13074.4732	460.4	477.81	68.19	0.0270604	0.0008	18.2777	0.391	0	0.024
09/06/95	23:44:36	12651.1963	354.4	539.42	70.85	0.02655148	0.0008	27.8024	0.405	0	0.025
09/06/95	23:49:36	12795.57	378.9	503.50	68.08	0.02586817	0.0008	42.0603	0.424	0	0.024
09/06/95	23:54:35	12766.537		501.26	67.29	0.02546789	0.0008	39.9422	0.425	0	0.023
09/06/95	23:59:36	12787.5609	402.4	519.79	69.36	0.02565315	0.0008	15.4466	0.39	0	0.024
09/07/95	00:04:36	12696.729	359.5	477.37	63.52	0.02466823	0.0008	42.5631	0.39	0	0.022
09/07/95			_							0	-
	00:09:36	12699.5301	345.5	503.99	63.45	0.02436632	0.0008	27.2180	0.411		0.022
09/07/95	00:14:35	12886.3512	336.6	431.03	58.82	0.02389179	0.0007	3.9717	0.391	0	0.02
09/07/95	00:19:36	12518.9482	330.6	452.21	58.51	0.02339517	0.0007	23.3111	0.404	0	0.02
09/07/95	00:24:36	12421.6472	349.4	491.14	64.63	0.02336909	0.0008	15.9035	0.389	0	0.022
09/07/95	00:29:36	12226.1716	290.4	488.03	61.28	0.0225814	0.0007	24.8319	0.407	0	0.021
09/07/95	00:34:35	12373.4791	325.5	472.17	62.03	0.02228509	0.0007	9.2775	0.395	. 0	0.022
09/07/95	00:39:35	12323.3062	319.7	469.91	60.21	0.02189487	0.0007	19.7918	0.425	0	0.021
09/07/95	00:44:37	11992.7737	283.7	456.21	58.35	0.02140003	0.0007	22.7938	0.398	0	0.02
09/07/95	00:49:36	12190.3349	294.9	448.53	57.91	0.02110822	0.0007	7.7927	0.385	0	0.02
09/07/95	00:54:36	12169.6158	292.1	431.79	56.21	0.0208164	0.0007	13.6609	0.403	0	0.019
09/07/95	00:59:35	12160.083	313.2	405.04	51.48	0.02033003	0.0006	4.2931	0.433	0	0.018
09/07/95	01:04:37	11891.7653	296.6	433.53	52.68	0.02003733	0.0006	21.7983		0	0.018
									0.417		
09/07/95	01:09:35	11868.9072	296.9	438.78	54.39	0.01964825	0.0006	13.0014	0.403	0	0.019
09/07/95	01:14:36	11815.6983	301.1	438.03	53.22	0.01944619	0.0006	28.0031	0.448		0.018
09/07/95	01:19:36	11661.2282	318.5	485.29	57.12	0.01914337	0.0007	8.7883	0.402	0	0.02
09/07/95	01:24:36	11637.9839	318.3	429.43	53.41	0.01865388	0.0006	14.4801	0.414	0	0.019
09/07/95	01:29:36	11339.0872	271.8	469.35	56.69	0.01845159	0.0007	18.3277	0.401	0	0.02
09/07/95	01:34:35	11544.3855	327.2	426.91	53.92	0.01806314	0.0006	6.1877	0.404	0	0.019
09/07/95	01:39:36	11461.8389	299.9	442.84	52.54	0.01786891	0.0006	9.9345	0.42	0	0.018
09/07/95	01:44:36	11217.7137	293.3	438.20	52.18	0.01757076	0.0006	42.1530	0.479	0	0.018
-09/07/95	01:49:36	-11147.4445		435.42	52.67	0.01717245	0.0006	26.3355	0.436	- 0	0.018
09/07/95	01:54:36	11556.0235	312.5	403.64	50.6	0.01727953	0.0006	4.8716	0.427	0	0.018
09/07/95	01:59:35	11596.9087							 -		
09/07/95			320.5	419.84	54.66	0.0167974	0.0007	7.4676	0.675	0.03505123	0.019
	02:04:36	11767.8411	339.5	426.40	64.55	0.01661287	0.0008	4.5140	0.788	0.05498764	0.022
09/07/95	02:09:36	11597.2561		443.58							
09/07/95		11061.7023		432.97	52.26	0.01611149		42.3584	0.648	0.03154358	0.018
09/07/95	02:19:37	10822.5926	283.1	436.13	50	0.01571106		39.0805	0.502	0	0.017
09/07/95	02:24:38	11083.3387	316.9	441.19	56.28	0.01599579	0.0007	7.0485	0.415	0	0.02
09/07/95	02:29:38	10894.0232	273.9	472.80	53.91	0.01521728	0.0006	18.9926	0.446	0	0.019
09/07/95	02:34:38	10854.8164		419.56		0.01502927	0.0006	13.1272	0.427	0	
09/07/95	02:39:37	10865.786		419.75	51.42	0.01473485	0.0006	22.9637	0.464	0	
09/07/95	02:44:37	11056.8543	_	398.52	49.53	0.01444403	0.0006	4.5536	0.486	0	
09/07/95	02:49:37	11027.7088		407.95	51.55	0.01435824	0.0006	3.9464	0.584	0.02163437	0.018
09/07/95	02:54:37										·
09/07/95		10695.4078		426.33	51.7	0.01425292		29.9437	0.616	0.03597165	0.018
	02:59:36	10714.0785		406.50	49.07	0.0139539	0.0006	13.4520	0.467	0	
09/07/95	03:04:38	10990.1597		409.57	52.34	0.01376545	0.0006	3.4186	0.597	0.02336249	
09/07/95	03:09:38	10962.0472		424.31	56.56	0.01357157	0.0007	8.4349	0.685	0.04013307	0.02
09/07/95	03:14:37	10759.0553	303.9	433.42	51.38	0.01337769	0.0006	33.2566	0.616	0.03547996	0.018
09/07/95	03:19:36	10494.8744	295.8	414.87	48.62	0.0130767	0.0006	18.9708	0.489	0	0.017
	03:24:37	10674.4733		420.91	49	0.01316844	0.0006	5.7757	0.427	0	0.017
09/07/95	03.24.37					0.01268866	0.0006	8.9994	0.541	0	
09/07/95 09/07/95			299.2	407.88	1 49 D/						
09/07/95	03:29:38	10593.384	299.2		49.67						
09/07/95 09/07/95	03:29:38 03:34:37	10593.384 10330.4041	303.9	415.59	48.67	0.01277557	0.0006	11.7249	0.456	0	0.017
09/07/95 09/07/95 09/07/95	03:29:38 03:34:37 03:39:36	10593.384 10330.4041 10431.4451	303.9 313.9	415.59 404.54	48.67 49.45	0.01277557 0.01239084	0.0006 0.0006	11.7249 3.7792	0.456 0.471	0	0.017 0.017
09/07/95 09/07/95	03:29:38 03:34:37	10593.384 10330.4041	303.9 313.9 292.5	415.59	48.67 49.45 48.66	0.01277557	0.0006 0.0006 0.0006	11.7249	0.456	0	0.017 0.017 0.017

Site: Chick	en processing	plant in SE LLS									
in ppm	"upwind" data	plant in OL O.									
Date	Time	H2O		CO2		SF6		CH4		NH3	
	11110	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	03:54:37	10089.097	279.6	416.43	48.5	0.01179853	0.0006	12.1354	0.449	0	0.017
09/07/95	03:59:37	10026.9319	294.3	411.19	47.93	0.01160737	0.0006	9.4784	0.474	0	0.017
09/07/95	04:04:38	10009.4085	290.3	417.88	49.47	0.01179853	0.0006	9.5330	0.45	ō	0.017
09/07/95	04:09:38	9800.97401	291.6	406.23	47.88	0.01130837	0.0006	29.2210	0.511	Ö	0.017
09/07/95	04:14:38	10071.6017	286.1	425.56	48.7	0.01150168	0.0006	3.9268	0.424	0	0.017
09/07/95	04:19:37	9921.40332	292.4	416.48	48.67	0.01101841	0.0006	23.0738	0.579	0.02512971	0.017
09/07/95	04:24:37	10017.163	290.7	408.58	48.22	0.01092764	0.0006	7.5540	0.502	0.02312371	0.017
09/07/95	04:29:37	9996.17802	294.3	414.19	49.14	0.01083093	0.0006	12.7990	0.558	0.02311244	0.017
09/07/95	04:29:37	10223.6276	299.2	416.80	53.45	0.01083093	0.0006	5.1363	0.635	0.03307303	0.017
09/07/95	04:39:38	10217.8419	306.9	429.83	61.14	0.01073423	0.0007	6.4529	0.746	0.05407904	0.021
09/07/95	04:44:38	10227,4194	310.2	441.34	69.39	0.01054493	0.0007	8.2739	0.833	0.07216988	0.024
09/07/95	04:49:37	10176,3394	313	439.69	66.16	0.01054493	0.0008	16.5469	0.858	0.06888063	0.023
09/07/95	04:49:37	10170,3354	315.6	443.30	70.78	0.01034493	0.0008	19.0820	0.866	0.07554465	0.025
09/07/95	04:54:38	9722.7226	312.5	443.55	63.07	0.01033983	0.0008	25.9032	0.788	0.07534465	0.023
09/07/95					58.99				0.707		
	05:04:37	9848.65982	304.7	434.97		0.0101426	0.0007	9.9107		0.05051982	0.02
09/07/95 09/07/95	05:09:37	9867,49608	306.5	448.69	63.12 64.17	0.01004601	0.0008	11.7995	0.777	0.06462286	0.022
	05:14:36	9763.7788	304.5	451.69		0.00994747		17.6372	0.806	0.06789389	0.022
09/07/95 09/07/95	05:19:36 05:24:38	9766.98932 9774.81172	303.9	452.25 447.71	61.09 61.51	0.00975386 0.00965728	0.0007	21.8398 13.1134	0.768	0.06489694	0.021
		$\overline{}$	302.8				0.0007		0.759	0.0579437	0.021
09/07/95	05:29:38	9816.6918	301.2	452.81	63	0.00956444	0.0008	12.8646	0.776	0.06134768	0.022
J	05:34:37	9745.4291	302.3	450.34	65.69	0.00946458	0.0008	11.1348	0.799	0.0644171	0.023
09/07/95	05:39:37	9648.03143	307.5	459.43	68.38	0.00946274		19.7373	0.84	0.07541221	0.024
09/07/95	05:44:37	9620.1796	304.1	455.67	64.04	0.00936435	0.0008	15.3566	0.764	0.0627508	0.022
09/07/95	05:49:37	9753.21129	303.2	458.37	63.88	0.00917127	0.0008	24.5502	0.794	0.06767432	0.022
09/07/95	05:54:37	9413.57243	304.2	455.98	61.49	0.00906942	0.0007	23.7842	0.754	0.06445075	0.021
09/07/95	05:59:39	9322,43057	293.5	453.78	58.76	0.00896768		23.9185	0.712	0.05862739	0.02
09/07/95	06:04:39	9451.27086	293.2	443.26	55.74	0.00877654	0.0007	6.3915	0.639	0.04166445	0.019
09/07/95	06:09:38	9341,71589	288.3	443.56	56.7	0.0086784	0.0007	6.9877	0.671	0.04724905	0.02
09/07/95	06:14:37	9225.16525	289	444.25	56.02	0.00858029	0.0007	9.0562	0.662	0.04936079	0.019
09/07/95	06:19:37	9341.62586	286.9	435.86	51.97	0.00838748	0.0006	5.9582	0.593	0.03489962	0.018
09/07/95	06:24:38	9283.31622	296.6	448.11	56.13	0.00838584		45.8722	0.791	0.05561642	0.019
09/07/95	06:29:37	9211.08478	299.3	447.94	55.36	0.00828621	0.0007	34.8340	0.74	0.05588373	0.019
09/07/95	06:34:38	9370.35479	300.6	450.24	57.4	0.00819146	0.0007	14.2850	0.728	0.0654353	0.02
09/07/95	06:39:39	9313.31347	301.1	463.55	62.49	0.00818986	0.0007	66.0344	0.959	0.07380507	0.022
09/07/95	06:44:37	9554.17819	306.1	450.11	63.21	0.00819787	0.0008	5.5598	0.786	0.07397368	0.022
Run 22											
09/07/95	12:22:11	17696.36	269.4	582.94	51.92	0.0107497	0.0006	6.5641	0.193	0.04412496	0.018
09/07/95	12:27:11	17884.1482	279.1	578.01	51.18	0.0038875	0.0006	4.6725	0.201	0.03580594	0.018
09/07/95	12:32:11	17575.895		576.10	49.84	0.00932327	0.0006	6.1451	0.194	0.03770288	0.017
09/07/95	12:37:12	17642.5365	275.9	576.18	50.34	0.01279491	0.0006	4.9238	0.199	0.03848707	0.017
09/07/95	12:42:11	17686.1063		587.39	50.93	0.00737955	0.0006	7.0440	0.192	0.04150994	0.018
09/07/95	12:47:11	17413.4239		568.22			0.0006	5.0590	0.175		0.018
09/07/95	12:52:10	17019.9449		570.57	50.92	0.00164016		2.3871	0.165	0.02778022	0.018
09/07/95	12:57:11	16910.7226	276.5	574.38	50.97	0.00102604	0.0006	2.2481	0.167	0.02677971	0.018
Run 23											
09/07/95	16:47:44	15219.3279		395.41	55.41	0	0.0007	1.8804	0.293	0.01981683	0.019
09/07/95	16:52:45	15401.4964		410.75	55.35	0	0.0007	1.8753	0.225	0	0.019
09/07/95	16:57:45	15806.0374		392.88	55.26	0	0.0007	1.7964	0.296	0	0.019
09/07/95	17:02:44	15957.8027		391.41	55.57	0	0.0007	2.0877	0.328	0.03386998	0.019
09/07/95	17:07:45	16073.6458	418.7	425.62	55.91	0	0.0007	2.7248	0.263	0.18214318	0.019
09/07/95	17:12:45	17144.9039	394.1	455.04	59.01	0	0.0007	2.5663	0.257	0.16754482	0.02
09/07/95	17:17:45	16426.0104	383	425.29	56.83	0	0.0007	2.1504	0.282	0.05647799	0.02
09/07/95	17:22:45	17034.0131		422.66	57.15	0	0.0007	1.9831	0.233	0	0.02
09/07/95	17:27:44	17252.8081	434.2	464.66	61.1	0	0.0007	2.0284	0.295	0	0.021
09/07/95	17:32:45	16977.325		420.83	57.75	0	0.0007	1.9723	0.275	0	0.02
09/07/95	17:37:45	16558.5576	-	432.56	56.76	0	0.0007	1.8913	0.233	0	0.02
09/07/95	17:42:44	16182.6246	349.6	505.26	59.91	0	0.0007	1.9436	0.249	0	0.021
	17:47:45	16263.5498			59.03	0	0.0007	1.9073	0.311	0	0.02
09/07/95											
09/07/95 09/07/95	17:52:45	15523.1234	536.6	350.07	54.98	0	0.0007	1.9718	0.287	0	0.019
		15523.1234		350.07 413.61	54.98 56.48		0.0007	1.8585	0.287	0	
09/07/95	17:52:45				$\overline{}$						0.019

	Site: Chick	en processing	plant in SE U.S	3.								
		Time	H2O		CO2		SF6		CH4		NH3	
1967 1967 1967 1968			ppm_	95% CI	ppm	95% C	ppm	95% CI	ppm		ppm	95% CI
	09/07/95	18:12:45	16599.0913	282.2	438.87	55.72	0	0.0007	1.8542	0.253	0	0.019
DOM/1795 18.274.5 1705.1427 286.6 433.72 56.42 0 0.0007 1.8620 0.261 0 0.000 DOM/1795 18.374.5 17293.2161 284.2 460.34 56.45 0 0.0007 1.8936 0.274 0 0.000 DOM/1795 18.374.5 17293.2161 284.2 460.34 56.45 0 0.0007 1.8936 0.267 0 0.000 DOM/1795 18.474.5 17293.2161 284.2 460.34 56.45 0 0.0007 1.8936 0.252 0 0.019 DOM/1795 18.474.5 17293.2233 300 419.22 54.59 0.0 0.0007 1.8936 0.252 0 0.019 DOM/1795 18.574.5 18.6866.6799 275.9 25.29 54.59 0.0 0.0007 1.8936 0.265 0 0.019 DOM/1795 18.574.5 18.6866.6799 275.9 25.29 54.59 0.0 0.0007 1.8936 0.265 0 0.019 DOM/1795 19.0044 15.447.5119 300.2 45.59 54.59 0.0 0.0007 1.8946 0.259 0 0.019 DOM/1795 19.0044 15.447.5119 300.2 45.58 5.38 0 0 0.0000 1.8746 0.259 0 0.019 DOM/1795 19.1244 15.146.666 289.7 416.10 53.77 0 0.0000 1.8766 0.259 0 0.019 DOM/1795 19.2244 15.224.1464 264.3 425.41 53.57 0 0.0000 1.8761 0.259 0 0.019 DOM/1795 19.2244 15.224.1464 264.3 425.41 53.57 0 0.0000 1.8762 0.254 0 0.019 DOM/1795 19.3244 15.240.5795 27.7 44.61 53.57 0 0.0000 1.8762 0.254 0 0.019 DOM/1795 19.3244 15.240.5795 27.7 44.61 53.57 0 0.0000 1.8763 0.254 0 0.019 DOM/1795 19.3244 15.240.5795 27.7 44.61 53.57 0 0.0000 1.8763 0.254 0 0.019 DOM/1795 19.3244 15.440.570 27.7 45.110 54.26 0 0.000 1.8763 0.252 0 0.019 DOM/1795 19.3244 15.440.570 27.7 45.110 54.26 0 0.000 1.8763 0.252 0 0.019 DOM/1795 19.3244 15.440.570 27.7 45.110 54.26 0 0.000 1.8763 0.252 0.000 0.019 DOM/1795 19.3244 15.440.570 27.7 45.110 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	09/07/95	18:17:44	16843.6513	312	462.03	57.54	0	0.0007	1.8191	0.239	0	0.02
00007795	09/07/95	18:22:45	17630.5048	292.1	421.74	59.85	0	0.0007	1.7541	0.269	0	0.021
0900795		18:27:45	17705.1427	286.6	433.72	56.42		0.0007	1.8620	0.261		0.02
0900795 18-37-45 17233_2151 48-03.4 49-03.4 58-52 0.00007 1.8958 0.287 0.000 0.0007 0.0		18:32:44	17603.9224	283.3	424.76	56.79	0	0.0007	1.8363	0.274	0	0.02
0807795 18-42-45 17149,6456 28-16 433.66 58-23 0 0,0007 1.8993 0.252 0 0,000 0807795 18-52-44 167870.155 261 425.49 44.54 0 0,0007 1.8953 0.26 0 0,000 0807795 18-52-44 167870.155 261 425.49 44.54 0 0,0007 1.8953 0.26 0 0,000 0807795 19-02-44 15743.306 305 416.20 33.85 0 0,0006 1.8946 0.259 0 0,000 0807795 19-02-44 15743.306 305 416.20 33.85 0 0,0006 1.8949 0.258 0 0,000 0807795 19-12-45 15497.8718 303 416.20 33.85 0 0,0006 1.8949 0.258 0 0,000 0807795 19-12-45 15497.8718 303 416.20 33.85 0 0,0006 1.8949 0.258 0 0,000 0807795 19-12-45 15496.60 297 416.10 53.77 0 0,0006 1.8943 0.264 0 0,000 0807795 19-12-45 15496.60 297 416.10 53.77 0 0,0006 1.8943 0.264 0 0,000 0807795 19-12-45 15496.60 297 416.10 53.77 0 0,0006 1.8943 0.264 0 0,000 0807795 19-22-44 15224.1454 64.3 425.41 53.97 0 0,0006 1.8949 0.258 0 0,000 0807795 19-22-45 1566.67795 297.4 424.81 53.97 0 0,0006 1.8949 0.258 0 0,000 0807795 19-22-45 15066.67795 297.4 424.81 53.97 0 0,0006 1.8949 0.258 0 0,000 0807795 19-22-45 15066.67795 297.4 444.81 53.97 0 0,0006 1.8949 0.259 0 0,001 0807795 19-22-45 15066.67795 297.4 444.81 53.97 0 0,0006 1.8949 0.259 0 0,001 0807795 19-22-45 15066.67795 247.4 444.81 53.97 0 0,0006 1.8949 0.259 0 0,001 0807795 19-22-45 15066.67795 444.81 447.08 55.31 0.00069785 0.0007 1.8755 0.292 0 0,001 0807795 19-22-45 14646.0507 279.3 445.08 55.31 0.00069785 0.0007 1.8752 0.300 0 0,001 0807795 19-22-45 14646.0422 287.4 447.08 55.31 0.00069785 0.0007 1.8949 0.328 0 0,000 0807795 19-22-45 14646.0422 287.4 449.68 56.33 0.0006978 0.0007 1.8949 0.328 0 0,000 0807795 19-22-45 14646.0422 287.4 449.68 56.33 0.0006987 0.0007 1.89		18:37:45	17233.2161	284.2	460.34	56.45	0	0.0007	1.8396	0.287	Ö	0.02
1907/795		18:42:45	17149.8456	261.6	433.66	55.23	0	0.0007	1.8993	0.252	0	0.019
08007985 18.952.44 16787.0155 261 425.48 54.69 0. 0.0007 1.8953 0.266 0. 0.019 080079785 18.57.48 16856.5799 275.84 415.85 53.85 0. 0.0007 1.8741 0.281 0. 0.019 0.00079 0.000079 0.			16939.2233	320	419.22	54.59	0	0.0007	1.8516	0.254	0	0.019
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09/07/95 22:52:45 13225.6777 283.8 495.92 62.3 0.00117818 0.0007 4.2847 0.521 0 0.022 09/07/95 22:57:45 13305.6958 285.3 502.30 62.9 0.00117818 0.0008 4.8060 0.534 0 0.022 09/07/95 23:02:46 13276.9286 313.2 509.07 62.23 0.00147273 0.0007 10.0127 0.555 0.10613453 0.022 09/07/95 23:07:46 13160.6284 292 504.85 62.58 0.00127587 0.0007 5.5911 0.546 0 0.022 09/07/95 23:12:45 13147.7952 299.1 508.48 63 0.00127563 0.0008 6.2881 0.553 0 0.022						62.11		0.0007		0.521		
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09/07/95 22:57:45 13305.6958 285.3 502.30 62.9 0.00117818 0.0008 4.8060 0.534 0 0.022 09/07/95 23:02:46 13276.9286 313.2 509.07 62.23 0.00147273 0.0007 10.0127 0.555 0.10613453 0.022 09/07/95 23:07:46 13160.6284 292 504.85 62.58 0.00127587 0.0007 5.5911 0.546 0 0.022 09/07/95 23:12:45 13147.7952 299.1 508.48 63 0.00127563 0.0008 6.2881 0.553 0 0.022				283.8	495.92	62.3	0.00117818	0.0007	4.2847	0.521	0	0.022
09/07/95 23:02:46 13276.9286 313.2 509.07 62.23 0.00147273 0.0007 10.0127 0.555 0.10613453 0.022 09/07/95 23:07:46 13160.6284 292 504.85 62.58 0.00127587 0.0007 5.5911 0.546 0 0.022 09/07/95 23:12:45 13147.7952 299.1 508.48 63 0.00127563 0.0008 6.2881 0.553 0 0.022		22:57:45	13305.6958			62.9	0.00117818	0.0008	4.8060	0.534	1	
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	09/07/95										0	
	09/07/95	23:17:45	12982.1699								·	

Site: Chick	ken processing	plant in SE U.	S.								
in ppm	"upwind" data										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	23:22:46	12925.3427	295.7	506.72	62.17	0.00127489	0.0007	6.6365	0.549	0	0.022
09/07/95	23:27:46	12886.5776	302.6	509.86	62.29	0.00127465	0.0007	6.7921	0.552	0	0.022
09/07/95	23:32:46	12793.3212	301.7	507.70	62.56	0.0012744	0.0007	7.1271	0.555	0	0.022
09/07/95	23:37:45	12781.3518	298.4	509.37	62.7	0.00127416	0.0007	7.1581	0.556	0	0.022
09/07/95	23:42:46	12763.3104	299.2	515.54	62.54	0.00127391	0.0007	6.9940	0.555		0.022
09/07/95	23:47:46	12596.5261	302.8	506.72	62.19	0.00127391	0.0007	6.4981	0.553	0	0.022
09/07/95	23:52:46	12495.0914	303.4	507.41	62.2	0.00127342	0.0007	6.0658	0.557	0	0.022
09/07/95	23:57:45	12455.6154	307.2	513.29	62.86	0.00127342	0.0007	6.2596	0.562	0	0.022
09/08/95	00:02:45	12509.2359	312.3	522.00	63.17	0.00137111	0.0008	6.6550	0.564	0	0.022
09/08/95	00:07:46	12193.0979	307.2	516.61	62.11	0.00127268	0.0007	7.4348	0.558	0	0.022
09/08/95	00:12:46	12182.5261	311.8	514.07	61.52	0.00127244	0.0007	7.3619	0.555	0_	0.021

Site: Unick	en processing				ļ						
in ppm	"upwind" data					00114		Lino		DICLM	
Date	Time	N20	OF O	CO	05% CI	C2H4	059/ (C)	H2S_	05% CI	DICLM	05% CI
5 - 00		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 20	00:40:50	0.60081671	0.102	0.90372642	0.048	0	0.025	0	2.793	0.02010897	0.02
09/05/95	20:49:50	0.59854431	0.102	0.48291532	0.048	0	0.025		2.787	0.02010697	0.02
09/05/95	20:54:51	0.62800232	0.074	0.3154712	0.048	0	0.025	0	2.89	0	0.02
09/05/95	20:59:51		0.074	0.26513412	0.048	0	0.025	0	2.871	- 0	0.02
09/05/95	21:04:51	0.60865232 0.58815995	0.068	0.26028331	0.047	0	0.025	3.02896499	2.796	0	0.02
09/05/95	21:09:52	0.60779508	0.000	0.25651145	0.047	0	0.025	0.02030433	2.888	- 0	0.02
09/05/95	21:14:53	0.5922639	0.068	0.24985828	0.047	0	0.025	0	2.85	0	0.02
09/05/95	21:19:52 21:24:52	0.59658485	0.069	0.25597277	0.047	0	0.025	0	2.862	0	0.02
09/05/95	21:24:52	0.59704103	0.003	0.28609846	0.047	0	0.025	0	2.87	0	0.02
09/05/95	21:34:52	0.60033213	0.069	0.26731401	0.047	- 0	0.025	0	2.899	0	0.02
09/05/95	21:39:51	0.59171237	0.069	0.27830912	0.047	0	0.025	0	2.912	0	0.02
09/05/95	21:44:51	0.59879721	0.069	0.27316642	0.047	0	0.025	0	2.978	0	0.02
	21:49:52	0.59790092	0.069	0.27223491	0.047	0	0.025	0	2.944	0	0.02
09/05/95 09/05/95	21:54:52	0.60255366	0.003	0.27339981	0.047	0	0.025	0	2.91	0	0.02
09/05/95	21:59:52	0.61071644	0.071	0.28032246	0.047	- 0	0.025	0	2.956	0	0.02
09/05/95	22:04:51	0.60279226	0.071	0.28231796	0.047	0	0.025	0	3.073	0	0.02
09/05/95	22:04:51	0.58589485	0.069	0.28684943	0.047	0	0.025	0	2.928	0	0.02
09/05/95	22:14:52	0.59114752	0.069	0.29372033	0.047	0	0.025	0	2.920	. 0	0.02
09/05/95	22:19:52	0.60494331	0.003	0.28721402	0.047	0	0.025	0	3.315	. 0	0.02
09/05/95	22:19:52	0.59945785	0.071	0.28700666	0.047	0	0.025	0	2.982	0	0.02
09/05/95	22:29:53	0.59329945	0.069	0.28529448	0.047	0	0.025	0	3.002	0	0.02
09/05/95	22:34:53	0.57859272	0.068	0.30805652	0.047	Ū	0.023	U	3.213	0.02270711	0.02
09/05/95	22:39:52	0.5931944	0.000	0.29864337	0.047	0	0.026	0	3.22	0.02416429	0.02
09/05/95	22:44:52	0.59945603	0.07	0.28517244	0.047	0	0.025		3.025	0.02410429	0.02
09/05/95	22:49:53	0.60232098	0.07	0.28317244	0.047	0	0.025	0	2.991	- 0	0.02
09/05/95	22:54:53	0.59938367	0.07	0.29127653	0.047	0	0.025	0	3.006	0	0.02
09/05/95	22:59:53	0.60060611	0.07	0.29127033	0.047	0	0.025	0	3.146	0	0.02
09/05/95	23:04:55	0.59821623	0.07	0.29312498	0.047	0	0.025	0	3.454	0.02208409	0.02
09/05/95	23:09:55	0.59556331	0.069	0.29048547	0.047	0	0.025	0	3.48	0.02305595	0.02
09/05/95	23:14:54	0.58585065	0.069	0.31710468	0.047	0	0.026	0	3.518	0.02880116	0.021
09/05/95	23:19:54	0.58330572	0.069	0.32959303	0.047	0	0.026	0	3.407	0.0266554	0.021
09/05/95	23:24:55	0.59974646	0.003	0.32735553	0.047	0	0.025	0	3.303	0.02188856	0.02
09/05/95	23:29:54	0.59513931	0.071	0.32732662	0.047	0	0.025	0	3.277	0.02100000	0.02
09/05/95	23:34:54	0.58629001	0.071	0.35338827	0.047	0	0.023	0	3.747	0.03209084	0.021
09/05/95	23:39:53	0.60501944	0.073	0.36899965	0.047	0	0.026	- 0	3.405	0.03203661	0.02
09/05/95	23:44:54	0.61060983	0.073	0.33207923	0.047	0	0.025	0	3.876	0.0220001	0.02
09/05/95	23:49:54	0.58909901	0.072	-0.35108902	0.047	- 0	0.025	0	3.178	0	0.02
09/05/95	23:54:54	0.58501884	0.073	0.41773182	0.047	0	0.026	0	3.49	0.02263524	0.02
09/05/95	23:59:53	0.59188199	0.075	0.45000511	0.047	- 0	0.025		3.345	0.02126697	0.02
09/06/95	00:04:53	0.59233291	0.074	0.43566041	0.047	0	0.025	- 0	3.257	0.02120097	0.02
09/06/95	00:09:54	0.61420623	0.075	0.40067473		0	0.025	0		0	0.02
09/06/95		0.61001364	0.073	0.39138258	0.046	- 0	0.025		3.151	0	0.02
09/06/95		0.59874322	0.074	0.39470115	0.046	- 0	0.025	0		0	0.02
09/06/95	00:79:54		0.075	0.37557947	0.046	0	0.025	0		0	0.02
09/06/95	00:29:55		0.073	0.37557947	0.046	0	0.025	0		0	0.02
09/06/95	00:34:55	0.6113984	0.074	0.39072876	0.046	0	0.025	0	3.194	0	0.02
09/06/95	00:39:54	0.6227186	0.075	0.38309214	0.046	- 0	0.025	0	3.194	- 0	0.02
09/06/95	00:39:54	0.60284666	0.074	0.40606603	0.046	- 0	0.025	0		0	0.02
09/06/95	00:49:54	0.59072963	0.074	0.4257441	0.046	0	0.025	- 0		0.03993774	0.022
09/06/95	00:54:55	0.60641287	0.074	0.44824349	0.046		0.026	0	3.665	0.0393774	0.022
09/06/95	00:59:55					0		0			0.02
09/06/95	01:04:54	0.60491869 0.61022579	0.076	0.45407654 0.44517425	0.046	- 0	0.025	0		0	0.02
09/06/95	01:04:54		0.076		0.046	0	0.025			0	-
09/06/95	01:09.54	0.60979579	0.074	0.39494396	0.046	0	0.025	0	3.427	0	0.019
09/06/95		0.61590215	0.075	0.38999396	0.046	0	0.025	0	4.102	0.02002004	0.02
09/06/95	01:19:54	0.59731793	0.073	0.38385878	0.046	0	0.025	0	3.681	0.02002994	0.02
09/06/95	01:24:54	0.60463642	0.074	0.40305867	0.046	0	0.027	0	4.257	0.03417721	0.021
	01:29:54	0.60889647	0.075	0.41806566	0.046	0	0.027	0	4.134	0.03930863	0.022
09/06/95	01:34:54	0.61405793	0.075	0.38608433	0.045	0	0.025	0	3.856	0.02748069	0.02
09/06/95	01:39:55	0.59703816	0.073	0.3942504	0.046	- 0	0.026	0	+	0.03039397	0.021
09/06/95	01:44:54	0.63188475	0.077	0.41254485	0.046	- 0	0.029	0	·	0.04994677	0.023
1197(16745)	01:49:54	0.61217544	0.077	0.43971394	0.045	0	0.027	0	3.98	0.03714258	0.021

Site: Chick	ken processing		-		1						
in ppm	"upwind" data										
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	01:54:54	0.59362256	0.076	0.48033508	0.046	0	0.03	0	4.627	0.04982328	0.024
09/06/95	01:59:54	0.60259962	0.076	0.45644745	0.045	0	0.033	0	5.28	0.06132394	0.026
09/06/95	02:04:54	0.60534232	0.075	0.41587075	0.045	0	0.028	0	4.853	0.04359779	0.022
09/06/95	02:09:54	0.59874099	0.074	0.40425167	0.045	0	0.028	0	4.843	0.04262912	0.022
09/06/95	02:14:55	0.60506576	0.075	0.41320857	0.045	0	0.032	0	5.559	0.05956856	0.026
09/06/95	02:19:55	0.60951407	0.076	0.42249198	0.045	0	0.028	0	4.349	0.04496653	0.022
09/06/95	02:24:54	0.61234844	0.075	0.40716919	0.045	0	0.026	0	4.179	0.03121663	0.021
09/06/95	02:29:54	0.59671103	0.075	0.42870783	0.045	0	0.028	0	4.673	0.0421458	0.022
09/06/95	02:34:55	0.60195113	0.076	0.43903952	0.045	0	0.033	0	5.518	0.06526133	0.026
09/06/95	02:39:55	0.61106998	0.076	0.42100441	0.045	0	0.029	0	4.529	0.04898996	0.023
09/06/95	02:44:54	0.59868201	0.074	0.41657525	0.045	0	0.027	0	4.225	0.03806369	0.022
09/06/95	02:49:54	0.60988858	0.075	0.4148363	0.045	0	0.029	0	4.69	0.04791775	0.023
09/06/95	02:54:54	0.61185033	0.075	0.40812551	0.045	0	0.027	, 0	4.269	0.04035876	0.022
09/06/95	02:59:55	0.61407103	0.075	0.39624961	0.045	0	0.026	0	3.962	0.02993113	0.021
09/06/95	03:04:55	0.61086258	0.075	0.39134591	0.044	0	0.025	0	3.88	0.02731892	0.02
09/06/95	03:09:54	0.6054779	0.074	0.38543578	0.045	0	0.025	0.0	3.827	0.02394491	0.02
09/06/95	03:14:54	0.60259512	0.073	0.38118049	0.044	0	0.026	0	4.149	0.02903957	0.02
09/06/95	03:19:55	0.59240604	0.073	0.38576848	0.045	- 6	0.028	0	4.554	0.02303337	0.022
09/06/95	03:24:55	0.61769284	0.075	0.38769877	0.044	0	0.020	0	5.713	0.05482024	0.025
09/06/95	03:29:55	0.61062501	0.073	0.37961422	0.044		0.031	0	4.573	0.03482024	0.023
09/06/95	03:34:54	0.61064728	0.074	0.37582749	0.045		0.028	- 0	4.653	0.04467632	0.022
09/06/95	03:39:54	0.61012032	0.074	0.37751436	0.043	0	0.028	0	4.783	0.04408022	0.023
09/06/95	03:44:55	0.61412624	0.074	0.3742814	0.044	0	0.029	0	4.712	0.04715888	0.023
09/06/95	03:49:55	0.61497092	0.075	0.37661907	0.044		0.028	0	4.346		0.023
09/06/95	03:54:55	0.62413088	0.075	0.37189445	0.044	00	0.028	0	4.516	0.04146088	0.022
09/06/95	03:59:55		0.075			0				0.04030383	
09/06/95	03.59.55	0.61545302		0.3725694	0.044	0	0.028	0	4.558	0.04329287	0.022
09/06/95		0.62497339	0.075	0.37085804	0.044	-0	0.028		4.81	0.04367005	0.022
09/06/95	04:09:56	0.6136017	0.074	0.37307369	0.044	0	0.03	0	5.145	0.05134218	0.023
	04:14:56	0.60456844	0.074	0.372761	0.044		0.031	0	5.168	0.05857811	0.025
09/06/95 09/06/95	04:19:56 04:24:56	0.61228241	0.074	0.36846763	0.044	0	0.033	0	5.645	0.06743198	0.027
09/06/95	04:24:56	0.60112871 0.60659886	0.073	0.36825035	0.044	0	0.036	0	5.879 6.233	0.07476773	0.029
09/06/95	04:34:57	0.59482687	0.072	0.36413271		0	0.038		5.754	0.07937708	0.03
09/06/95	04:34:57		0.072	0.3512522	0.044	0	0.037	0	5.739	0.07888005	
09/06/95	04:44:56	0.59715838 0.61206683	0.074	0.36577035	0.044	0	0.04	0		0.0865056	0.032
09/06/95				0.34499188	0.044		0.044	0	6.356	0.09534951	0.035
09/06/95	04:49:56	0.60999911	0.073	0.33330444	0.044	0		0	5.855	0.07875304	0.029
09/06/95	04:54:57	0.60587527	0.072	0.32366571	0.044	0	0.036	. 0	5.9	0.07646783	0.029
09/06/95	04:59:57 05:04:57	0.59247704	0.071	0.33234169	0.044	0	0.039	0	6.007	0.0835668	0.031
		0.61525281	0.073	0.32215615	0.044	0	0.042	. 0	6.661	0.09170096	0.033
09/06/95	05:09:56 05:14:56	0.61180534	0.073	0.32024487	0.044	0	0.037	0	5.771	0.07989277	0.029
09/06/95		0.62116375	0.074	0.32246258	0.043	0	0.037	0	6.302	0.07936504	0.029
09/06/95	05:19:56 05:24:57	0.59336193 0.60059786	0.072	0.37556501	0.044	0	0.035	0	5.323	0.07340064	0.028
09/06/95	05:24:57	0.60574976	0.073	0.36707479	0.044	0	0.041	0	6.426	0.091023	0.032
			0.073	0.34298248	0.043	0	0.037	0	5.7	0.08079228	0.029
09/06/95	05:34:57	0.61152064	0.073	0.34827245	0.044	0	0.034	0	5.043	0.07098179	0.027
09/06/95	05:39:57	0.62546692	0.075	0.347503	0.044	0	0.035	0	5.572	0.07261687	0.028
09/06/95	05:44:58	0.59162054	0.073	0.4062102	0.044	0	0.04	0	6.082	0.08597347	0.032
09/06/95	05:49:58	0.60623067	0.077	0.45243678	0.044	0	0.049	0	7.013	0.10685741	0.039
09/06/95	05:54:58	0.61345232	0.075	0.37533596	0.043	0	0.047	0	7.52	0.10118504	0.037
09/06/95	05:59:57	0.59721274	0.076	0.44615587	0.044	0	0.042	0	6.546	0.09196019	0.034
09/06/95	06:04:57	0.59261989	0.079	0.53629889	0.044	0	0.048	. 0	6.499	0.11091199	0.038
09/06/95	06:09:57	0.61066564	0.08	0.51024934	0.043	0	0.053	0	7.156	0.12059565	0.042
09/06/95	06:14:58	0.6067035	0.077	0.46355414	0.043	0	0.045	0	6.659	0.10251031	0.036
09/06/95	06:19:58	0.62421464	0.079	0.4716203	0.043	0	0.042	0	6.498	0.09561169	0.033
09/06/95	06:24:58	0.61081812	0.078	0.47722567	0.043	0	0.042	0	6.451	0.09517622	0.033
09/06/95	06:29:58	0.61276251	0.079	0.49153562	0.044	0	0.043	0	6.711	0.09711599	0.034
09/06/95	06:34:58	0.63242725	0.08	0.4697345	0.043	0	0.046	0	7.912	0.10670109	0.037
09/06/95	06:39:58	0.59691272	0.078	0.49883613	0.044	0	0.045	0	6.864	0.10508891	0.036
09/06/95	06:44.59	0.60327432	0.081	0.55321763	0.044	0	0.056	0	7.327	0.12999365	0.045
09/06/95	06:50:01	0.60942331	0.079	0.4954747	0.043	0	0.055	0	7.161	0.12720739	0.043
09/06/95	06:54:59	0.61963242	0.077	0.42378706	0.044	0	0.056	0	8.153	0.13261364	0.044
09/06/95	07:00:02	0.61573984	0.076	0.4034058	0.044	0	0.073	0	8.06	0.1615355	0.058

	Site: Chick	en processing										
Dame											<u> </u>	
Decompose Deco			N2O		CO		C2H4		H2S		DICLM	
09000995 077-04-58 0.61182014 0.75 0.39749089 0.044 0 0.087 0 7.919 0.18922289 0.090995 071-050 0.09095894 0.075 0.4016427 0.044 0 0.098 0.0 7.997 0.1973222 0.070 0.090995 077-18-59 0.05090877 0.074 0.4016427 0.045 0 0.094 0 0.007 0 1.056 0.18712391 0.070 0.090995 077-18-59 0.0509077 0.074 0.39126908 0.045 0 0.094 0 0.074 0 1.056 0.18712391 0.070 0.090995 077-28-59 0.05090090 0.074 0.045 0 0.0074 0 1.056 0.15505211 0.05 0.090995 077-28-59 0.0509000 0.074 0.045 0 0.0074 0 1.056 0.15505211 0.05 0.090995 077-28-59 0.05093841 0.074 0.38923198 0.045 0 0.094 0 0.077 0 0.103.3 0.15077401 0.05 0.0900995 077-38-59 0.05093841 0.074 0.38923198 0.045 0 0.094 0 0.077 0 0.33 0.14207744 0.09 0.0900995 077-38-59 0.05093841 0.074 0.38923198 0.045 0 0.094 0 0.077 0 0.33 0.14207744 0.09 0.0900995 077-38-59 0.05093879 0.074 0.41757832 0.046 0 0.097 0 0.38 0 0.444 0.01704704 0.05 0.0900995 077-38-59 0.05093979 0.074 0.4393628 0.047 0 0.039 0 0.4494 0.01704704 0.05 0.0900995 077-090 0.9592799 0.074 0.4393528 0.047 0 0.039 0 0.444 0.01704704 0.05 0.0900995 077-090 0.9592799 0.074 0.4393628 0.047 0 0.039 0 0.4494 0.10704704 0.05 0.0900995 0 0.5500 0 0.58650191 0.072 0.40204108 0.047 0 0.038 0 0.4494 0.10704704 0.05 0.0900995 0 0.58650191 0.072 0.40204108 0.047 0 0.023 0 0.329 0 0.0486659 0.0000995 0 0.58650191 0.072 0.40204108 0.047 0 0.022 0 0.329 0 0.0856663 0.000 0.05000995 0 0.05000995 0 0.58650191 0.072 0.40204108 0.047 0 0.027 0 0.022 0 0.302 0 0.0486659 0.0000995 0 0.05000 0 0.58650191 0.072 0 0.40204108 0.047 0 0.027 0 0.027 0 0.027 0 0.0000995 0 0.0000995 0 0.05000095 0 0.05000095 0 0.05000095 0 0.05000095 0 0.05000095 0 0.05000095 0 0.050000095 0 0.050000000000				95% CI		95% CI		95% CI		95% CI		95% C
Depole	09/06/95	07:04:58								-		0.069
DEPOSE 07:14:59 0.60982138 0.075 0.39120095 0.045 0.0094 0.8002 0.8073 0.18712901 0.075 0.090097 0.074 0.015:8 0.0090077 0.074 0.045 0.00967 0.074 0.105:8 0.15505211 0.05 0.00967 0.073 0.1682059 0.046 0.0074 0.105:8 0.15505211 0.05 0.00967 0.015:8 0.15505211 0.05 0.00967 0.015:8 0.15505211 0.05 0.00967 0.015:8 0.15505211 0.05 0.00967 0.015:8 0.15505211 0.05 0.00967 0.015:8 0.15505211 0.05 0.00967 0.015:8 0.00967 0.015:8 0.00967 0.015:8 0.00967 0.015:8 0.00967 0.015:8 0.00967 0.015:8 0.00967 0.00967 0.015:8 0.00967 0.00967 0.015:8 0.00967 0.00967 0.00967 0.015:8 0.00967 0.												0.078
1909.0956 07:19:59 06.090.0787 074 0.3830.0589 0.045 0.0855 0.9855 0.985521 0.05				-								0.075
29000955 07;26:59 0.60625375 0.073 0.3862916 0.045 0.067 0.074 0.1056 0.15505211 0.050 0.000096 07;26:59 0.60340000 0.074 0.3862916 0.045 0.067 0.087 0.1033 0.1407744 0.050 0.0500096 07;34:59 0.60360000 0.074 0.039 0.1033 0.1420744 0.050 0.0500096 07;34:59 0.6036000 0.074 0.09627 0.039 0.1420744 0.050 0.0500096 07;34:59 0.50360481 0.073 0.39908527 0.046 0.047 0.039 0.339 0.15216623 0.050 0.0500096 0.05000 0.0545779 0.074 0.43938128 0.045 0.039 0.074 0.039 0.074 0.05000 0.0545779 0.074 0.43938128 0.047 0.039 0.074 0												0.067
DEDICINGS 077-95-95 0.60480000 0.074 0.38629196 0.045 0.054 0.054 0.8073 0.1407744 0.0070704							_					0.058
												0.053
COMPACING 07-39-58 0.60254881 0.073 0.39900527 0.046 0 0.047 0 0.338 0.12916823 0.020												0.043
						 -						0.037
												0.029
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0.906/95	09/06/95	08:50:01		0.072		0.048	0	0.026				0.021
09/06/95 09:50:00 0.5748272 0.071 0.43534395 0.048 0 0.026 5.68975182 2.768 0.05202286 0.02 09/06/95 09:10:00 0.57390169 0.072 0.44019343 0.048 0 0.026 6.22748367 2.712 0.05260841 0.09/06/95 09:20:01 0.57252672 0.071 0.44234825 0.048 0 0.026 6.23748367 2.712 0.05260841 0.09/06/95 09:20:01 0.57097537 0.071 0.43191499 0.048 0 0.026 6.63350738 2.683 0.05229977 0.09/06/95 09:30:01 0.57097537 0.071 0.43191499 0.048 0 0.026 6.63350738 2.683 0.05229977 0.009/06/95 09:30:01 0.55933244 0.069 0.37875472 0.047 0 0.025 7.18457582 2.62 0.05273816 0.09/06/95 09:30:01 0.55933244 0.069 0.37875472 0.047 0 0.025 7.18457582 2.62 0.05617626 0.09/06/95 09:30:01 0.569849937 0.068 0.37494157 0.048 0 0.025 7.18457582 2.62 0.05617626 0.09/06/95 09:40:01 0.569849937 0.068 0.37494157 0.048 0 0.025 7.1895848 2.22 0.05617626 0.09/06/95 09:40:01 0.56880465 0.068 0.35601764 0.048 0 0.025 7.58456269 2.595 0.05524991 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.025 7.58456269 2.595 0.05524991 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.024 7.87721903 2.511 0.05400719 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.024 7.8760228 2.447 0.04819538 0.0109/06/95 10:05:01 0.56641369 0.065 0.28119212 0.047 0 0.024 8.07128 2.416 0.05051416 0.0109/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.024 8.37732617 2.372 0.0490051 0.09/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.023 8.48428464 2.282 0.04485527 0.0109/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.023 8.48946694 2.273 0.0490051 0.09/06/95 10:05:01 0.56641369 0.065 0.284397916 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.56489855 0.065 0.28345708 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.56486855 0.065 0.28345708 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.564868197 0.065 0.28345780 0.046 0 0.023 8.6524049 2.287 0.05435826 0.0109/06/95 10:05:01 0.56486817 0.065 0.28345780 0.047 0 0.024 8.768988 2.366 0.05721905 0.099/06/95 10:05:01 0.56643689 0.066 0.26503689 0.047 0 0.024 8.76	09/06/95	08:55:01	0.5777388	0.071	0.42092964	0.048	0	0.026	5.04976973	2.797	0.0504878	0.021
09/06/95 09:50:00 0.5748272 0.071 0.43534395 0.048 0 0.026 5.68975182 2.768 0.05202286 0.02 09/06/95 09:10:00 0.57390169 0.072 0.44019343 0.048 0 0.026 6.22748367 2.712 0.05260841 0.09/06/95 09:20:01 0.57252672 0.071 0.44234825 0.048 0 0.026 6.23748367 2.712 0.05260841 0.09/06/95 09:20:01 0.57097537 0.071 0.43191499 0.048 0 0.026 6.63350738 2.683 0.05229977 0.09/06/95 09:30:01 0.57097537 0.071 0.43191499 0.048 0 0.026 6.63350738 2.683 0.05229977 0.009/06/95 09:30:01 0.55933244 0.069 0.37875472 0.047 0 0.025 7.18457582 2.62 0.05273816 0.09/06/95 09:30:01 0.55933244 0.069 0.37875472 0.047 0 0.025 7.18457582 2.62 0.05617626 0.09/06/95 09:30:01 0.569849937 0.068 0.37494157 0.048 0 0.025 7.18457582 2.62 0.05617626 0.09/06/95 09:40:01 0.569849937 0.068 0.37494157 0.048 0 0.025 7.1895848 2.22 0.05617626 0.09/06/95 09:40:01 0.56880465 0.068 0.35601764 0.048 0 0.025 7.58456269 2.595 0.05524991 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.025 7.58456269 2.595 0.05524991 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.024 7.87721903 2.511 0.05400719 0.09/06/95 09:50:01 0.5678098 0.066 0.30001622 0.047 0 0.024 7.8760228 2.447 0.04819538 0.0109/06/95 10:05:01 0.56641369 0.065 0.28119212 0.047 0 0.024 8.07128 2.416 0.05051416 0.0109/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.024 8.37732617 2.372 0.0490051 0.09/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.023 8.48428464 2.282 0.04485527 0.0109/06/95 10:05:01 0.56641369 0.065 0.28439716 0.046 0 0.023 8.48946694 2.273 0.0490051 0.09/06/95 10:05:01 0.56641369 0.065 0.284397916 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.56489855 0.065 0.28345708 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.56486855 0.065 0.28345708 0.046 0 0.023 8.6524049 2.287 0.04485527 0.0109/06/95 10:05:01 0.564868197 0.065 0.28345780 0.046 0 0.023 8.6524049 2.287 0.05435826 0.0109/06/95 10:05:01 0.56486817 0.065 0.28345780 0.047 0 0.024 8.768988 2.366 0.05721905 0.099/06/95 10:05:01 0.56643689 0.066 0.26503689 0.047 0 0.024 8.76	09/06/95	09:00:00	0.57759315	0.071	0.41860617	0.048	0	0.026	5.25689163	2.814	0.04912519	0.021
0.906/95	09/06/95	09:05:00	0.57483272	0.071	0.43534395	0.048	0	0.026		2.768		0.021
09/06/95	09/06/95	09:10:00	0.57390169	0.072	0.44019343	0.048	0	0.026	6.11180948	2.726	0.05179331	0.02
09/06/95	09/06/95	09:15:01	0.57252672	0.071	0.44234825	0.048	0	0.026	6.22748367	2.712	0.05260841	0.02
0.99/06/95	09/06/95	09:20:01		0.071	0.43191459	0.048	0	0.025	6.63350738	2.683	0.05225977	0.02
0.9/06/95	09/06/95	09:25:00	0.57015225	0.069	0.3955182	0.048	. 0	0.026	6.64346982	2.667	0.05462298	0.02
09/06/95	09/06/95	09:30:01	0.56933244	0.069		0.047	0	0.025	7.18457582	2.62	0.05273816	0.02
0.9/06/95	09/06/95	09:35:01		0.068	0.37494157	0.048	0	0.025	7.19795848	2.622	0.05617626	0.02
09/06/95	09/06/95	09:40:01	0.56880465	0.068	0.35801764	0.048	0	0.025	7.48363962	2.595	0.05624991	0.02
09/06/95	09/06/95	09:45:00		0.067	0.34042922	0.047	0	0.025	7.58456269	2.545	0.05346741	0.019
09/06/95 10:00:02 0.56640126 0.065 0.28119212 0.047 0 0.024 8.071218 2.416 0.05051416 0.01 09/06/95 10:05:01 0.56734372 0.065 0.27864043 0.046 0 0.024 8.07732617 2.372 0.0490061 0.01 09/06/95 10:15:02 0.56641369 0.065 0.24379716 0.046 0 0.023 8.18946694 2.273 0.04705034 0.01 09/06/95 10:15:02 0.56632298 0.065 0.2345708 0.046 0 0.023 8.48428464 2.282 0.04485527 0.01 09/06/95 10:25:03 0.56531726 0.064 0.23564105 0.046 0 0.023 8.48428464 2.282 0.04485527 0.01 09/06/95 10:25:01 0.56474039 0.064 0.23564105 0.046 0 0.023 8.48428464 2.282 0.04485527 0.01 09/06/95 10:35:02 0.56486197 0.065 0.24789064 0.046 0 0.023 8.48428464 2.282 0.05350172 0.01 09/06/95 10:35:02 0.56486197 0.065 0.24789064 0.046 0 0.023 8.48974586 2.327 0.05350172 0.01 09/06/95 10:35:02 0.564868955 0.065 0.26032986 0.047 0 0.024 8.65510959 2.321 0.05988193 0.01 09/06/95 10:35:02 0.56488955 0.065 0.26032986 0.047 0 0.024 8.65510959 2.321 0.05988193 0.01 09/06/95 10:45:01 0.56419709 0.064 0.25102374 0.047 0 0.024 8.7897888 2.366 0.05721905 0.01 09/06/95 10:45:01 0.56420407 0.064 0.2544529 0.047 0 0.024 8.98996468 2.324 0.06083587 0.01 09/06/95 10:50:01 0.56420407 0.064 0.2544529 0.047 0 0.024 9.05294287 2.346 0.05934202 0.01 09/06/95 11:00:01 0.56420407 0.064 0.2544529 0.047 0 0.024 9.23163956 2.352 0.06060002 0.01 09/06/95 11:00:01 0.56420407 0.064 0.2544529 0.047 0 0.024 9.23163956 2.352 0.06060002 0.01 09/06/95 11:00:01 0.56432531 0.065 0.28407751 0.047 0 0.024 9.33869363 2.313 0.06118437 0.01 09/06/95 11:10:00 0.56372427 0.064 0.25007165 0.047 0 0.024 9.53869363 2.313 0.06118437 0.01 09/06/95 11:10:00 0.56432531 0.065 0.28407751 0.047 0 0.024 9.5869363 2.313 0.06118437 0.09/06/95 11:10:00 0.56032849 0.065 0.28407751 0.047 0 0.024 9.6763455 2.338 0.05487402 0.00 09/06/95 11:10:00 0.56039489 0.065 0.28407751 0.047 0 0.024 9.6763455 2.338 0.05487402 0.00 09/06/95 11:30:00 0.56039489 0.065 0.28407851 0.047 0 0.024 9.6763455 2.338 0.06175827 0.00 09/06/95 11:30:00 0.56039489 0.065 0.2838688 0.047 0 0.024 9.6763455 2.338 0.06175827 0.00 09/06/95 11:30:00			0.56787853	0.067	0.34923977	0.047	0	0.024	7.87721903	2.511	0.05400719	0.019
09/06/95 10:05:01 0.56734372 0.065 0.27864043 0.046 0 0.024 8.37732617 2.372 0.0490061 0.01 09/06/95 10:10:01 0.56641369 0.065 0.24379716 0.046 0 0.023 8.16946694 2.273 0.04705034 0.01 09/06/95 10:25:02 0.56632298 0.065 0.23845708 0.046 0 0.023 8.48428464 2.282 0.04485527 0.01 09/06/95 10:25:01 0.566374039 0.064 0.23564105 0.046 0 0.023 8.65224049 2.287 0.04485527 0.01 09/06/95 10:25:01 0.564374039 0.064 0.24312553 0.046 0 0.023 8.48974586 2.327 0.05350172 0.01 09/06/95 10:35:02 0.56486197 0.065 0.24799064 0.046 0 0.023 8.49974586 2.327 0.05435826 0.01 09/06/95 10:35:02 0.56488955 0.065 0.26032986 0.047 0 0.024 8.65510959 2.321 0.05988193 0.01 09/06/95 10:45:01 0.564874039 0.065 0.25738462 0.047 0 0.024 8.65510959 2.321 0.05988193 0.01 09/06/95 10:45:01 0.56480470 0.065 0.25738462 0.047 0 0.024 8.77897888 2.366 0.05721905 0.01 09/06/95 10:45:01 0.56419709 0.064 0.25102374 0.047 0 0.024 8.7893888 2.366 0.05721905 0.01 09/06/95 10:50:01 0.56420407 0.064 0.25102374 0.047 0 0.024 9.05294287 2.346 0.0693587 0.01 09/06/95 10:55:07 0.56441991 0.065 0.2544529 0.047 0 0.024 9.23163956 2.352 0.06060002 0.01 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.23163956 2.352 0.06060002 0.01 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.53869363 2.313 0.06118437 0.01 09/06/95 11:00:01 0.5622894 0.065 0.28407751 0.047 0 0.024 9.53869363 2.313 0.06118437 0.01 09/06/95 11:00:01 0.56089489 0.065 0.28407751 0.047 0 0.024 9.5849627 2.338 0.05487402 0.01 09/06/95 11:30:00 0.56089489 0.065 0.28407751 0.047 0 0.024 9.5849627 2.338 0.05487402 0.01 09/06/95 11:30:00 0.566392427 0.064 0.25007165 0.047 0 0.024 9.5849635 2.368 0.05262718 0.09/06/95 11:30:00 0.566089489 0.065 0.2840761 0.047 0 0.024 9.67862455 2.368 0.05625345 0.00 09/06/95 11:30:00 0.566089489 0.065 0.28110661 0.047 0 0.024 9.67862455 2.388 0.05467827 0.09/06/95 11:30:00 0.566089489 0.065 0.28110661 0.047 0 0.024 9.678635 2.338 0.05487402 0.09/06/95 11:30:00 0.566089489 0.065 0.2810661 0.047 0 0.024 9.6786352 2.336 0.05487490 0.09/06/95 11:30:00				0.066	0.30001622	0.047	0	0.024	7.79560228	2.447	0.04819538	0.019
09/06/95				0.065		0.047	_ 0	0.024		2.416	0.05051416	0.019
09/06/95 10:15:02 0.56632298 0.065 0.23845708 0.046 0 0.023 8.48428464 2.282 0.04485527 0.01 09/06/95 10:20:03 0.56531726 0.064 0.23564105 0.046 0 0.023 8.65224049 2.287 0.04485527 0.01 09/06/95 10:25:01 0.56474039 0.064 0.24312553 0.046 0 0.023 8.6974586 2.327 0.05350172 0.01 09/06/95 10:30:01 0.56486197 0.065 0.24799064 0.046 0 0.023 8.59142855 2.297 0.05350172 0.01 0.09/06/95 10:30:02 0.56488955 0.065 0.26032986 0.047 0 0.024 8.65510959 2.321 0.0598193 0.01 0.09/06/95 10:40:02 0.56551828 0.065 0.25738462 0.047 0 0.024 8.77897888 2.366 0.05721905 0.01 0.09/06/95 10:45:01 0.56419709 0.064 0.25102374 0.047 0 0.024 8.98996468 2.324 0.06083587 0.01 09/06/95 10:50:01 0.56420407 0.064 0.2544529 0.047 0 0.024 8.98996468 2.324 0.06083587 0.01 09/06/95 10:55:07 0.56420407 0.064 0.2544529 0.047 0 0.024 9.05294287 2.346 0.05934202 0.01 09/06/95 11:00:01 0.56189637 0.064 0.25445159 0.047 0 0.024 9.23163956 2.352 0.06060002 0.00 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.53869363 2.313 0.0611285 0.01 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.53869363 2.313 0.0611285 0.01 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.53869363 2.313 0.0611285 0.01 09/06/95 11:00:01 0.56189637 0.064 0.25007165 0.047 0 0.024 9.53869363 2.313 0.06118437 0.00 09/06/95 11:00:01 0.56089425 0.064 0.25007165 0.047 0 0.024 9.53869363 2.313 0.0611285 0.01 09/06/95 11:20:01 0.56089425 0.064 0.25007165 0.047 0 0.024 9.5869363 2.313 0.0611285 0.00 09/06/95 11:20:01 0.56089425 0.064 0.25067165 0.047 0 0.024 9.61667289 2.328 0.06175827 0.00 09/06/95 11:30:00 0.560301643 0.065 0.23840751 0.047 0 0.024 9.61667289 2.328 0.06175827 0.00 09/06/95 11:30:00 0.560301643 0.065 0.23840751 0.047 0 0.024 9.6764365 2.388 0.05262718 0.00 09/06/95 11:30:00 0.560301643 0.065 0.2388188 0.047 0 0.024 9.6786435 2.334 0.06197254 0.00 09/06/95 11:35:00 0.560301643 0.065 0.2388188 0.047 0 0.024 9.6786435 2.334 0.06197254 0.00 09/06/95 11:35:00 0.560301643 0.065 0.25328138 0.047 0 0.024 9.6786435 2.334 0.06197254 0.00 09/06			0.56734372	0.065		0.046	0	0.024	8.37732617	2.372	0.0490061	0.019
09/06/95 10:20:03 0.56531726 0.064 0.23564105 0.046 0 0.023 8.65224049 2.287 0.04485527 0.07 09/06/95 10:25:01 0.56474039 0.064 0.24312553 0.046 0 0.023 8.49974586 2.327 0.05350172 0.07 09/06/95 10:30:01 0.56486197 0.065 0.24799064 0.046 0 0.023 8.59142855 2.297 0.05435826 0.07 09/06/95 10:35:02 0.56488955 0.065 0.26032986 0.047 0 0.024 8.65510959 2.321 0.05988193 0.07 09/06/95 10:45:01 0.56419709 0.064 0.25102374 0.047 0 0.024 8.77897888 2.366 0.05721905 0.07 09/06/95 10:50:01 0.56420407 0.064 0.25102374 0.047 0 0.024 8.98996468 2.324 0.06083587 0.07 09/06/95 10:50:01 0.56420407 0.064 0.2544529 0.047 0 0.024 9.05294287 2.346 0.05934202 0.07 09/06/95 10:50:01 0.56420407 0.064 0.2544529 0.047 0 0.024 9.05294287 2.346 0.05934202 0.07 09/06/95 11:00:01 0.56189637 0.064 0.2544529 0.047 0 0.024 9.23163956 2.352 0.06060002 0.07 09/06/95 11:00:01 0.56189637 0.064 0.26445159 0.047 0 0.024 9.4002422 2.348 0.0611845 0.07 09/06/95 11:00:01 0.5622894 0.065 0.28407751 0.047 0 0.024 9.53869363 2.313 0.06118437 0.07 09/06/95 11:10:00 0.56372427 0.064 0.25007165 0.047 0 0.024 9.5869363 2.313 0.06118437 0.07 09/06/95 11:10:00 0.56384898 0.065 0.28407751 0.047 0 0.024 9.5869363 2.313 0.06118437 0.07 09/06/95 11:20:01 0.56089489 0.065 0.2810661 0.047 0 0.024 9.5869363 2.313 0.06118437 0.07 09/06/95 11:20:00 0.56089489 0.065 0.28110661 0.047 0 0.024 9.58764365 2.368 0.05262718 0.07 09/06/95 11:30:00 0.56031462 0.064 0.2603658 0.047 0 0.024 9.6650787 2.292 0.06562935 0.07 09/06/95 11:30:00 0.56031462 0.064 0.24968972 0.047 0 0.024 9.6650787 2.292 0.06562935 0.07 09/06/95 11:30:00 0.56031462 0.064 0.24968972 0.047 0 0.024 9.6650787 2.292 0.06562935 0.07 09/06/95 11:30:00 0.56031462 0.064 0.24968972 0.047 0 0.024 9.665078 2.336 0.05148737 0.07 09/06/95 11:30:00 0.56031462 0.064 0.24968972 0.047 0 0.024 9.6650787 2.292 0.06562933 0.07 09/06/95 11:30:00 0.5603140 0.064 0.25638680 0.047 0 0.023 10.0489719 2.286 0.05429408 0.07 09/06/95 11:50:00 0.56049532 0.064 0.25636869 0.047 0 0.023 10.0489719 2.286 0.05429408 0.07 09/06/95 11:50:00							_ 0				0.04705034	0.018
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ID DOM:	"upwind" data								-		
in ppm	 	N2O		CO	ļ	C2H4		H2S		DICLM	
Date	Time	ppm	95% CI	ppm	95% CI		95% CI	ppm	95% CI	ppm	95% C
09/06/95	12:15:02	0.55998302	0.064	0.26116941	0.047	0	0.024	10.6421192	2.323	0.05565238	0.019
09/06/95	12:20:03	0.55926948	0.064	0.26274883	0.047	-	0.023	10.9046359	2.322	0.04964051	0.019
09/06/95	12:25:03	0.56172109	0.065	0.27790733	0.047	0	0.023	11.1712842	2.316	0.05152844	0.019
09/06/95	12:30:02	0.55887277	0.064	0.27143793	0.047	0	0.023	10.9431058	2.333	0.05532688	0.019
09/06/95	12:35:04	0.56050427	0.064	0.2705707	0.048	ō	0.024	10.8330189	2.388	0.05594852	0.019
09/06/95	12:40:02	0.56110703	0.065	0.26375695	0.047	0	0.023	10.8515982	2.35	0.04733577	0.019
09/06/95	12:45:04	0.55936511	0.064	0.27051597	0.047	0	0.023	10.8573053	2.362	0.05112915	0.019
09/06/95	12:50:03	0.55855319	0.064	0.26781204	0.047	0	0.023	10.9652113	2.311	0.05360317	0.018
09/06/95	12:55:02	0.5609009	0.064	0.26306568	0.046	0	0.023	10.8896956	2.271	0.05230725	0.018
09/06/95	13:00:02	0.55987561	0.065	0.2765761	0.047	0	0.023	10.8898658	2.275	0.05042548	0.018
09/06/95	13:05:03	0.55967304	0.065	0.28640832	0.047	0	0.023	11.3299912	2.404	0.03097408	0.019
09/06/95	13:10:03	0.55834121	0.064	0.27682292	0.047	0	0.024	10.4318961	2.368	0.02357894	0.01
09/06/95	13:15:02	0.55925749	0.064	0.25718499	0.047	0	0.024	'8.50006095	2.273	0	0.019
09/06/95	13:20:02	0.55660674	0.063	0.25827861	0.047	0	0.023	10.5027851	2.346	0	0.019
09/06/95	13:25:05	0.55894587	0.064	0.26503862	0.048	0	0.025	12.4995037	2.499	0	0.0
09/06/95	13:30:02	0.55781976	0.063	0.25599979	0.047	0	0.026	12.815331	2.483	0	0.02
09/06/95	13:35:02	0.55893418	0.064	0.25693435	0.046	0	0.027	12.5816267 12.0567668	2.507	0	0.02
09/06/95 09/06/95	13:40:03 13:45:04	0.55812315 0.5610779	0.064	0.26890367 0.26131278	0.047	0	0.025	11.943687	2.455 2.447	0	0.0
09/06/95	13:50:02	0.55954797	0.064	0.26886045	0.047	0	0.025	11.6275006	2.414		0.02
09/06/95	13:55:02	0.55923618	0.064	0.24409724	0.047	0	0.026	12.1128656	2.338	0	0.02
09/06/95	14:00:03	0.55862245	0.064	0.27215726	0.047	0	0.029	12.611418	2.418	0	0.02
09/06/95	14:05:03	0.56076298	0.065	0.26532368	0.046	0	0.03	13.250871	2.463	0	0.02
09/06/95	14:10:02	0.55973533	0.064	0.26268281	0.047	- 0	0.029	11.8964215	2.393	0	0.02
09/06/95	14:15:03	0.55859747	0.064	0.28139873	0.047	0	0.027	8.53210774	2.165	0	0.02
09/06/95	14:20:03	0.5588018	0.064	0.2777119	0.046	ō	0.026	7.03236559	2.031	0	0.02
09/06/95	14:25:04	0.55992856	0.065	0.2820123	0.047	0	0.027	7.39130278	2.079	0	0.02
09/06/95	14:30:02	0.55962163	0.065	0.29793911	0.047	0	0.03	10.9793994	2.349	0	0.02
09/06/95	14:35:04	0.56217616	0.066	0.29643132	0.047	0	0.032	12.1109275	2.384	. 0	0.02
09/06/95	14:40:03	0.56084403	0.065	0.30178848	0.047	0	0.035	12.9732241	2.47	0	0.02
09/06/95	14:45:02	0.56083571	0.066	0.31768405	0.047	0	0.034	13.2991162	2.501	0	0.02
09/06/95	14:50:02	0.5611383	0.066	0.32766304	0.047	0	0.033	12.8038118	2.467	0	0.02
09/06/95	14:55:03	0.5586839	0.065	0.32265197	0.047	0	0.031	10.3085003	2.278	0	0.02
09/06/95	15:00:03	0.56124455	0.065	0.307492	0.046	0	0.029	7.06494592	2.039	0	0.02
09/06/95	15:05:02	0.55981264	0.066	0.32394573	0.047	0	0.028	7.0524512	2.105	0	0.02
09/06/95	15:10:03	0.55846759	0.065	0.32401368	0.047	0	0.029	8.77152772	2.256	0	0.02
09/06/95	15:15:03 15:20:02	0.55938964	0.065	0.31299182	0.046	0	0.033	11.5361307	2.33	0	0.02
09/06/95	15:25:02	0.56102835	0.065	0.30576403 0.31049893	0.046	0	0.033	10.7964922 10.5891512	2.215 2.205	0	0.02
09/06/95	15:30:03	0.56122157	0.066	0.32576478	0.046	0	0.032	12.4340049	2.374	0	0.02
09/06/95	15:35:03	0.561836	0.067	0.34671492	0.046	0	0.036	14.5532127	2.537	0	0.02
09/06/95		0.56214202			0.046	ő		14.8142403		0	0.02
09/06/95	15:45:03	0.56255008	0.066	0.31614639	0.046	ō	0.039	15.6076155	2.64	Ö	0.03
09/06/95	15:50:03	0.56142127	0.067	0.34217526	0.046	ŏ	0.032	14.2990978	2.525	0	0.02
09/06/95	15:55:02	0.56234526	0.067	0.35690643	0.046	0	0.034	13.4672011	2.475	0	0.02
09/06/95	16:00:01	0.56091207	0.067	0.3563574	0.047	0	0.035	11.8102926	2.393	0	0.02
09/06/95	16:05:02	0.56081155	0.066	0.34770111	0.047	0	0.035	11.9727269	2.423	0	0.02
09/06/95	16:10:02	0.56069673	0.066	0.3436396	0.047	0	0.034	12.3915413	2.435	0	0.02
09/06/95	16:15:02	0.56100412	0.066	0.34521753	0.047	0	0.037	13.3943579	2.5	0	0.02
09/06/95	16:20:03	0.56069491	0.066	0.34404182	0.047	0	0.036	11.765267	2.413	0	0.02
09/06/95	16:37:43	0.56213579	0.067	0.34849554	0.047	0	0.039	11.040126	2.263	Ō	0.03
09/06/95	16:40:46	0.56038957	0.067	0.36218433	0.047	0	0.042	7.66155221	2.492	0	0.03
lun 21											!
09/06/95	16:49:36	0.55997782	0.068	0.413295	0.047	0	0.042	9.15460724	2.458	0	0.03
09/06/95	16:54:36	0.56018168	0.067	0.36133153	0.047	0	0.044	10.1002766	2.504	0	0.03
09/06/95	16:59:35	0.56612262	0.066	0.35225407	0.047	0	0.046	8.79100974	2.489	0	0.03
09/06/95	17:04:36	0.56088926	0.067	0.35521965	0.046	0	0.045	9.73557382	2.515	0	0.03
09/06/95	17:09:36	0.56140147	0.067	0.35344471	0.046	0	0.046	10.6534389		0	0.03
09/06/95	17:14:37	0.56405813	0.067	0.35245967	0.047	0	0.039	9.66197435		0	0.03
00/00/0-			0.067	11.14RRUUJE	0.047	0	0.039	9.08168257	2.571	. 0	0.03
09/06/95 09/06/95	17:19:36 17:24:36	0.56222859	0.067	0.34880036 0.34757435	0.047	0	0.041	10.0257117	2.457	0	0.03

Site: Chick	en processing										
in ppm	"upwind" data										
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	17:34:36	0.56261509	0.067	0.35194065	0.046	0	0.044	10.3091662	2.526	0	0.035
09/06/95	17:39:36	0.56261	0.067	0.34409493	0.047	0	0.045	10.2320549	2.451	0	0.035
09/06/95	17:44:35	0.56363014	0.066	0.34256471	0.047	0	0.043	9.86684293	2.501	0	0.034
09/06/95	17:49:36	0.56423804	0.066	0.33968496	0.046	0	0.041	9.6174389	2.489	0	0.032
09/06/95	17:54:36	0.56515115	0.067	0.33782665	0.047	0	0.038	9.07157307	2.487	0	0.03
09/06/95	17:59:36	0.5655488	0.067	0.33635485	0.047	0	0.038	8.85503555	2.446	0	0.03
09/06/95	18:04:35	0.56524799	0.067	0.3385584	0.047	0	0.038	9.08081627	2.453	0	0.03
09/06/95	18:09:36	0.56482744	0.067	0.33855069	0.047	0	0.037	9.02971338	2.486	0	0.029
09/06/95	18:14:36	0,56531159	0.067	0.33418635	0.047	٥	0.037	8.96347161	2.442	0	0.03
09/06/95	18:19:35	0.56692423	0.067	0.33150138	0.047	ō	0.037	8.4845665	2.526	0	0.029
09/06/95	18:24:36	0.56711303	0.067	0.33145869	0.047	0	0.037	8.5371418	2.51	0	0.029
09/06/95	18:29:36	0.56740619	0.067	0.33218721	0.047	0	0,036	8.50906422	2.495	0	0.029
09/06/95	18:34:35	0.56799462	0.067	0.33157509	0.047	0	0.036	8.67040488	2.542	0	0.029
09/06/95	18:39:36	0.5688727	0.067	0.33000287	0.047	0	0.036	9.34721239	2.513	Ö	0.029
09/06/95	18:44:36	0.57146969	0.067	0.32916897	0.047	0	0.037	9.0559389	2.566	0	0.029
	18:49:36	0.56730067	0.067	0.36412317	0.047	- 0	0.037	9.62744097	2.604	Ö	0.029
09/06/95 09/06/95	18:54:35	0.5685942	0.068	0.370616	0.047	0	0.037	9.91910164	2.601	- 0	0.029
09/06/95	18:59:36	0.58326233	0.068	0.32836853	0.047	0	0.037	7.37569334	2.869	0	0.023
		0.58192147	0.067	0.32477469	0.047	0	0.037	7.77670574	2.855	0	0.03
09/06/95 09/06/95	19:04:36 19:09:35	0.57775437	0.067	0.32477469	0.047	0	0.038	8.77170856	2.756	0	0.03
			0.069			0		6.30433001		0	0.03
09/06/95	19:14:36	0.59139473	0.068	0.33599008	0.047	0	0.038		3.019	0	0.03
	19:19:36	0.58687984		0.31853181	0.047			6.34058605	3.055	0	
09/06/95	19:24:36	0.57707017	0.067	0.31427484	0.047	0	0.038	8.65755202	2.822		0.03
09/06/95	19:29:35	0.57591023	0.067	0.31465922	0.047	0	0.038	8.95760527	2.808	0	0.03
09/06/95	19:34:36	0.58416486	0.068	0.31847211	0.047	0	0.038	7.62756676	2.873	0	0.03
09/06/95	19:39:36	0.58730191	0.068	0.3136862	0.047	0	0.038	5.0845673	3.194	0	0.03
09/06/95	19:44:35	0.57252411	0.067	0.33701915	0.047	0	0.037	8.02151401	2.87	0	0.03
09/06/95	19:49:36	0.58751251	0.069	0.3480411	0.047	0	0.037	5.61092891	3.073	0	0.029
09/06/95	19:54:36	0.58223455	0.067	0.31440666	0.047	0	0,037	6.04429136	3.054	0	0.03
09/06/95	19:59:36	0.58639187	0.068	0.32662445	0.047	0	0.037	6.67077964	2.934	0	0.029
09/06/95	20:04:35	0.58937656	0.068	0.31707345	0.047	0	0.036	4.07609011	3.303	0	0.029
09/06/95	20:09:36	0.58147447	0.067	0.31583936	0.047	0	0.036	5.36141534	3.011	0	0.028
09/06/95	20:14:36	0.60250614	0.07	0.31983299	0.047	0	0.035	0	4.107	0	0.028
09/06/95	20:19:36	0.58595398	0.068	0.31913299	0.047	0	0.036	0	3.404	0	0.028
09/06/95	20:24:35	0.58323071	0.069	0.35272045	0.047	0	0.035	5.31763333	2.941	0	0.028
09/06/95	20:29:36	0.57256282	0.069	0.38233865	0.047	0	0.035	6.64292255	2.849_	0	0.027
09/06/95	20:34:36	0.57319524	0.068	0.35245981	0.047	0	0.034	6.08939044	2.814	0	0.027
-09/06/95	20:39:36	0.57116226	0.068	0.35711349	0.046	0	0.032	6.4902536	2.772	· · · O	0.026
09/06/95	20:44:37	0.57137792	0.067	0.34079217	0.046	0	0.032	6.65427387	2.797	0	0.025
09/06/95	20:49:36	0.58151041	0.068	0.32467748	0.047	0	0.032	4.81088535	2.981	. 0	0.025
09/06/95	20:54:35	0.58700968	0.068	0.31479638	0.047	0	0.033	4.14985996	3.105	0	0.026
09/06/95	20:59:35	0.58406903	0.068	0.3153933	0.046	0	0.032		3.105	0	0.026
09/06/95	21:04:36	0.57365952	0.069		0.046	0	0.032		2.89	0	0.025
09/06/95	21:09:36	0.57025256	0.069	0.40346089	0.046	0	0.031	6.11900775	2.893	0	0.025
09/06/95	21:14:37	0.57382168	0.069	0.38340908	0.046	0	0.031	5.39336727	2.914		0.025
09/06/95	21:19:35	0.58148465	0.068	0.31658609	0.046	0	0.032	4.58428586	3.011	0	
09/06/95	21:24:36	0.5855525	0.067	0.29788483	0.047	0	0.032	0	3.281	0	
09/06/95	21:29:36	0.58534542	0.068	0.29866381	0.047	0	0.032	0	3.286	0	0.026
09/06/95	21:34:36	0.59177278	0.068	0.29751784	0.047	0	0.033	0		0	0.026
09/06/95	21:39:35	0.59949219	0.069	0.29312897	0.047	0	0.033	0	3.524	0	0.026
09/06/95	21:44:35	0.58272716	0.067	0.2912156	0.047	0	0.033	4.33962547	3.15	0	- 1
09/06/95	21:49:36	0.5993834	0.069	0.28612987	0.047	0	0.033	0	3.486	0	0.026
09/06/95	21:54:36	0.590422	0.068	0.28619655	0.047	0	0.033	0	3.375	0	0.026
09/06/95	21:59:35	0.58614534	0.067	0.2769741	0.047	0	0.034	3.84593263		0	0.027
09/06/95	22:04:35	0.59309145	0.067	0.27337117	0.047	0	0.033	4.29541092	3.164	0	0.026
09/06/95	22:09:36	0.59592969	0.068	0.27538504	0.046	0	0.033	0		0	0.026
09/06/95	22:14:36	0.59373484	0.068	0.27144412	0.046	0	0.033	0	, 	0	- ,
09/06/95	22:19:36	0.59529291	0.068	0.27001558	0.047	0	0.033	0		0	
09/06/95	22:24:37	0.59996327	0.068	0.26779687	0.047	0	0.032	0	· } -	0	
09/06/95	22:29:37	0.59860367	0.068	0.26803149	0.047	0	0.033	0	-	0	
09/06/95	22:34:36	0.59265107	0.068	0.26753178	0.047	0	0.033	0		0	

09/06/95 09/07/95 09/07/95	wind* data Time 22:44:37 22:49:35 22:54:36 22:59:36 23:04:37 23:09:36 23:14:36 23:19:36 23:29:37 23:34:36 23:49:36 23:49:36 23:49:36 23:49:36 23:59:36 00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:35 00:34:36 00:29:36 00:59:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36 01:19:36	N2O ppm 0.58575525 0.60082316 0.58274417 0.59203591 0.5924119 0.59468041 0.58897475 0.60175111 0.59869841 0.59036259 0.59562195 0.59613938 0.59942245 0.59363155 0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.592633 0.58396609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	95% CI 0.069 0.068 0.068 0.068 0.068 0.068 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069	CO ppm 0.33274193 0.28536404 0.27471666 0.26790507 0.26883298 0.2687705 0.26495061 0.26426211 0.26616621 0.26772484 0.26611025 0.27431629 0.28093812 0.28650222 0.28902642 0.29330432 0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.311273232 0.31905505 0.32576688 0.33411759 0.31359392	95% CI 0.047 0.047 0.046	C2H4 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95% CI 0.033 0.036 0.035 0.034 0.034 0.034 0.034 0.038 0.036 0.035 0.036 0.035 0.035 0.035 0.035 0.035 0.032 0.033 0.03	H2S ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95% CI 3.382 3.67 3.534 3.351 3.455 3.474 3.67 3.823 3.528 3.66 3.795 3.966 4.116 3.851 3.66 3.785 3.66 3.785 3.64 4.116 3.851 3.66 3.785 3.64 4.116 3.851 3.66 3.785 3.785 3.	DICLM ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95% CI 0.026 0.028 0.028 0.027 0.027 0.027 0.027 0.031 0.03 0.027 0.028 0.029 0.028 0.026 0.026 0.026 0.024 0.024 0.025 0.025 0.025 0.025
09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/07/95	22:44:37 22:49:35 22:59:36 23:04:37 23:09:36 23:14:36 23:19:36 23:24:36 23:24:36 23:24:36 23:34:36 23:34:36 23:34:36 23:34:36 23:49:36 23:49:36 00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:34:36	ppm 0.58575525 0.60082316 0.58274417 0.59203591 0.5924119 0.59468041 0.5989841 0.5989841 0.59036259 0.59562195 0.59562195 0.59613938 0.59942245 0.5963155 0.61095312 0.59278379 0.57974148 0.59278379 0.59278379 0.593657 0.59464607 0.59295633 0.58398609 0.59067482 0.59161367 0.58081638 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069	ppm 0.33274193 0.28536404 0.27471666 0.26790507 0.26883298 0.2687705 0.26495061 0.26426211 0.26616621 0.26772484 0.26611025 0.27431629 0.28093812 0.28650222 0.28902642 0.29330432 0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.311273232 0.31905505 0.32576688 0.33411759	0.047 0.047 0.046	ppm	0.033 0.036 0.035 0.034 0.034 0.034 0.039 0.038 0.035 0.035 0.035 0.035 0.035 0.035 0.033 0.033 0.033 0.033 0.032 0.032 0.031 0.033 0.032 0.032 0.032 0.032	ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.382 3.67 3.534 3.351 3.455 3.378 3.474 3.67 3.823 3.528 3.66 3.795 3.966 4.116 3.866 3.785 3.666 3.785 3.664 4.1851 3.664 3.814 3.7 3.814 3.7 3.814 3.7 3.982 3.725 3.603 3.774 4.057	ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.026 0.028 0.027 0.026 0.027 0.027 0.027 0.031 0.03 0.027 0.028 0.028 0.028 0.026 0.026 0.026 0.026 0.026 0.025 0.025 0.025 0.024 0.024 0.024 0.024 0.024 0.024
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09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/06/95 09/07/95	23:39:36 23:44:36 23:49:36 23:54:35 23:59:36 00:04:36 00:14:35 00:19:36 00:24:36 00:24:36 00:34:35 00:34:35 00:34:35 00:44:37 00:49:36 00:59:35 01:09:35 01:09:35 01:14:36	0.58819743 0.59047766 0.59613938 0.59942245 0.59363155 0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59161367 0.59161367 0.58081638 0.5895855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.07 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069	0.27431629 0.28093812 0.28650222 0.28902642 0.29330432 0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31273232 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046		0.035 0.036 0.035 0.035 0.036 0.033 0.03 0.03 0.033 0.032 0.032 0.032 0.031 0.03 0.03 0.039 0.032	0 0 0 0 0 0 0 0 0 0 0	3.66 3.795 3.966 3.978 3.646 4.116 3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0 0 0 0	0.028 0.029 0.028 0.027 0.028 0.026 0.026 0.024 0.025 0.025 0.025 0.024 0.024 0.024
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09/06/95 09/06/95 09/06/95 09/06/95 09/07/95	23:49:36 23:54:35 23:59:36 00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:34:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59613938 0.59942245 0.59363155 0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.068 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069	0.28650222 0.28902642 0.29330432 0.29738382 0.29775641 0.30854534 0.30374724 0.30669815 0.31549457 0.31859462 0.31273232 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046		0.035 0.036 0.033 0.033 0.033 0.033 0.033 0.032 0.032 0.031 0.03 0.03 0.039 0.029	0 0 0 0 0 0 0 0 0 0	3.966 3.978 3.646 4.116 3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0 0	0.028 0.027 0.028 0.026 0.026 0.024 0.024 0.025 0.025 0.025 0.024 0.024 0.023
09/06/95 09/06/95 09/07/95	23:54:35 23:59:36 00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:34:35 00:44:37 00:44:37 00:59:35 01:04:37 01:09:35 01:14:36	0.59942245 0.59363155 0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.068 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068	0.28902642 0.29330432 0.29738382 0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046		0.035 0.036 0.033 0.033 0.03 0.033 0.032 0.032 0.031 0.03 0.03 0.03 0.03 0.029	0 0 0 0 0 0 0 0 0	3.978 3.646 4.116 3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0 0	0.027 0.028 0.026 0.026 0.024 0.024 0.025 0.025 0.025 0.024 0.024 0.023
09/06/95 09/07/95	23:59:36 00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59363155 0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.07 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068 0.068	0.29330432 0.29738382 0.29775641 0.30854534 0.30374724 0.30869819 0.31549457 0.31859462 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046		0.036 0.033 0.033 0.03 0.03 0.032 0.032 0.031 0.03 0.03 0.03 0.03 0.03	0 0 0 0 0 0 0 0 0	3.646 4.116 3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0	0.028 0.026 0.024 0.024 0.025 0.025 0.025 0.025 0.024 0.024 0.024
09/07/95 09/07/95	00:04:36 00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:59:35 01:04:37 01:09:35 01:14:36	0.61095312 0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.07 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068	0.29738382 0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.033 0.033 0.03 0.03 0.033 0.032 0.032 0.031 0.03 0.03 0.039 0.029	0 0 0 0 0 0 0 0	4,116 3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0	0.026 0.024 0.024 0.025 0.025 0.025 0.025 0.025 0.024 0.024
09/07/95 09/07/95	00:09:36 00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59278379 0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068	0.29775641 0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046		0.033 0.03 0.033 0.032 0.032 0.032 0.031 0.03 0.03 0.029	0 0 0 0 0 0 0	3.851 3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0 0	0.026 0.024 0.024 0.026 0.025 0.025 0.025 0.024 0.024 0.023
09/07/95 09/07/95	00:14:35 00:19:36 00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:59:35 01:04:37 01:09:35 01:14:36	0.57974148 0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.068 0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068	0.30854534 0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046	0 0 0 0 0 0 0	0.03 0.033 0.032 0.032 0.031 0.03 0.03 0.03 0.029	0 0 0 0 0 0 0	3.66 3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0	0.024 0.026 0.025 0.025 0.025 0.024 0.024 0.023 0.021
09/07/95 09/07/95	00:19:36 00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59735657 0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.069 0.069 0.069 0.068 0.069	0.30374724 0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046	0 0 0 0 0 0	0.03 0.033 0.032 0.032 0.031 0.03 0.03 0.029	0 0 0 0 0 0	3.785 3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0 0	0.024 0.026 0.025 0.025 0.025 0.024 0.024 0.023
09/07/95 09/07/95	00:24:36 00:29:36 00:34:35 00:39:35 00:44:37 00:49:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59464607 0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.069 0.069 0.068 0.069	0.30876415 0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046 0.046	000000	0.033 0.032 0.032 0.031 0.03 0.03 0.029 0.027	0 0 0 0 0	3.64 3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0 0	0.026 0.025 0.025 0.025 0.024 0.024 0.023 0.021
09/07/95 09/07/95	00:29:36 00:34:35 00:39:35 00:44:37 00:49:36 00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59295633 0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.069 0.068 0.069 0.068	0.30669819 0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046 0.046	0 0 0 0	0.032 0.032 0.031 0.03 0.03 0.029 0.027	0 0 0 0	3.814 3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0	0.025 0.025 0.025 0.024 0.024 0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	00:34:35 00:39:35 00:44:37 00:49:36 00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.58398609 0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.068 0.069 0.068	0.31549457 0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046	0 0 0 0	0.032 0.031 0.03 0.03 0.029 0.027	0 0 0 0	3.7 3.982 3.725 3.603 3.774 4.057	0 0 0 0 0	0.025 0.025 0.024 0.024 0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	00:39:35 00:44:37 00:49:36 00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59067482 0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.069 0.068 0.069	0.31859462 0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046 0.046	0 0 0	0.031 0.03 0.03 0.029 0.027	0 0 0	3.982 3.725 3.603 3.774 4.057	0 0 0 0	0.025 0.024 0.024 0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	00:44:37 00:49:36 00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59132185 0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.069 0.068 0.069	0.31127322 0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046 0.046	0 0 0	0.03 0.03 0.029 0.027	0 0 0	3.725 3.603 3.774 4.057	0 0 0	0.024 0.024 0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	00:49:36 00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.58957094 0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.068 0.069 0.068	0.31273232 0.31905505 0.32576688 0.33411759	0.046 0.046 0.046 0.046	0	0.03 0.029 0.027	0	3.603 3.774 4.057	0	0.024 0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	00:54:36 00:59:35 01:04:37 01:09:35 01:14:36	0.59161367 0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.069 0.068	0.31905505 0.32576688 0.33411759	0.046 0.046 0.046	0	0.029 0.027		3.774 4.057	0	0.023 0.021
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:04:37 01:09:35 01:14:36	0.58081638 0.58905855 0.58721044 0.59641458	0.069 0.068	0.32576688 0.33411759	0.046			0			
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:09:35 01:14:36	0.58721044 0.59641458	0.068			0	0.027		0.00-		0.022
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:14:36	0.59641458		0.31359392	0.046			0	3.907	0	0.000
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95			0.060		0.070	0	0.028	0	3.769	. 0	0.022
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:19:36	0.50000440	0.003	0.30773592	0.046	0	0.027	0	4.194	0	0.022
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95		0.58839143	0.068	0.30648829	0.045	0	0.029	0	3.764	0	0.023
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:24:36	0.58992911	0.069	0.31099524	0.045	0	0.028	0	3.87	0	0.022
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:29:36	0.58782894	0.068	0.2952255	0.045	0	0.029	0	3.756	0	0.023
09/07/95 09/07/95 09/07/95 09/07/95 09/07/95	01:34:35	0.58646935	0.068	0.29677932	0.045	0	0.028	0	3.778	0	0.022
09/07/95 09/07/95 09/07/95 09/07/95	01:39:36	0.59219905	0.069	0.30056676	0.046	0	0.027	0	3.927	0	0.021
09/07/95 09/07/95 09/07/95	01:44:36	0.60041503	0.069	0.297635	0.045	0	0.027	0	4.485	0	0.021
09/07/95 09/07/95	01:49:36	0.59172198	0.069	0.30153663	0.045	0	0.027	0	4.084	0	0.022
09/07/95	01:54:36 01:59:35	0.58546533 0.58674402	0.068	0.31588529 0.31817974	0.045	0	0.026	0	6.32	0	0.021
	02:04:36	0.58213065	0.069	0.30505511	0.045	-0	0.028	0	7.378	0	0.022
09/07/95	02:09:36		0.069	0.30074158	0.046	0	0.033		8.525	0	0.032
	02:14:36	0.59398986	0.069	0.29369498	0.045	0	0.027	0	6.061	Ö	0.021
	02:19:37	0.59265609	0.069	0.29346708	0.045	0	0.026	0	4.694	0	0.02
	02:24:38	0.60086011	0.069	0.2921898	0.045	0	0.029	0	3.882	0	0.023
	02:29:38	0.59424941	0.069	0.29349	0.045	0	0.028	0	4.175	0	0.022
	02:34:38	0.59622562	0.069	0.2934101	0.045	0	0.026	0	4	0	0.021
	02:39:37	0.58978162	0.069	0.29246731	0.045	0	0.027	0	4.343	0	0.021
	02:44:37	0.58299583	0.068	0.29149792	0.045	0	0.026	0	4.551	0	0.02
	02:49:37	0.58432207	0.069	0.31229167	0.045	0	0.027	0	5.471	0	
	02:54:37	0.59678027	0.069	0.29320285	0.045	0	0.027	0	5.768	0	0.021
	02:59:36	0.58693607	0.068	0.29196605	0.045	0	0.025	0	4.371	0	0.02
	03:04:38	0.58299583	0.069	0.31466652	0.045	0	0.027	0	5.586	0	0.021
	03:09:38	0.58764894	0.069	0.30642664	0.045	0	0.029	0	6.413	0	0.023
	03:14:37	0.59947559	0.07	0.29459999	0.045	0	0.026	0	5.764	0	0.021
	03:19:36	0.59523197	0.069	0.29427416	0.044	0	0.025	0	+	0	0.02
	03:24:37	0.59209568	0.069	0.30645672	0.045	0	0.025	0	3.993	0	0.02
	03:29:38	0.58823075	0.07	0.32738678	0.045	0	0.026	0	5.065	0	0.02
	03:34:37	0.5943544	0.069	0.29974199	0.044	0	0.025	0	4.265	0	0.02
		0.58769387	0.069	0.29960674	0.044	0	0.025	0		0	0.02
09/07/95	03:39:36 03:44:37	0.58922482		0.30274232	0.044	1 0	0.025		4.632 5.159		0.02

Site: Chick	en processing										
in ppm	"upwind" data										
Date	Time	N2O		_co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	03:54:37	0.58828244	0.069	0.30792229	0.044	_0	0.025	0	4.199	0	0.02
09/07/95	03:59:37	0.5937171	0.07	0.31262523	0.044	0	0.025	0	4.433	0	0.02
09/07/95	04:04:38	0.59746981	0.07	0.32030107	0.044	0	0.025	0	4.215	0	0.02
09/07/95	04:09:38	0.59905366	0.071	0.31789085	0.044	_0	0.025	0	4.78	0	0.02
09/07/95	04:14:38	0.58938838	0.069	0.31740758	0.044	0	0.025	0	3.969	0	0.02
09/07/95	04:19:37	0.59944027	0.071	0.31557118	0.044	0	0.025	0	5.421	0	0.02
09/07/95	04:24:37	0.59289691	0.07	0.31371025	0.044	0	0.025	0	4.695	0	0.02
09/07/95	04:29:37	0.59425077	0.07	0.31699822	0.044	0	0.025	0	5.221	0	0.02
09/07/95	04:34:39	0.58902872	0.07	0.32744233	0.044	0	0.028	0	5.941	0	0.022
09/07/95	04:39:38	0.5908062	0.071	0.35668945	0.044	0	0.031	0	6.982	0	0.025
09/07/95	04:44:38	0.59312802	0.071	0.35146536	0.044	0	0.036	0	7.795	0	0.028
09/07/95	04:49:37	0.5960303	0.071	0.34169437	0.044	0	0.034	0	8.028	0	0.027
09/07/95	04:54:36	0.59255636	0.071	0.34483569	0.044	0	0.036	, 0	8.109	0	0.029
09/07/95	04:59:38	0.59719746	0.071	0.33493308	0.044	0	0.032	0	7.375	0	0.026
09/07/95	05:04:37	0.5912654	0.071	0.34513826	0.044	0	0.03	0	6.617	0	0.024
09/07/95	05:09:37	0.59744756	0.072	0.35924131	0.044	0	0.033	0	7.272	0	0.026
09/07/95	05:14:36	0.59704129	0.073	0.38756498	0.043	0	0.033	0	7.541	0	0.026
09/07/95	05:19:36	0.6005864	0.074	0.40203267	0.043	0	0.031	0	7.186	0	0.025
09/07/95	05:24:38	0.59469546	0.075	0.44162753	0.043	0	0.032	0	7.105	0	0.025
09/07/95	05:29:38	0.59714964	0.075	0.44199314	0.044	0	0.032	0	7.263	0	0.026
09/07/95	05:34:37	0.59414397	0.074	0.43672286	0.044	0	0.034	0	7,477	0	0.027
09/07/95	05:39:37	0.59895254	0.074	0.42389193	0.043	0	0.035	0	7.862	- 0	0.028
09/07/95	05:44:37	0.59690487	0.074	0.42033379	0.043	0	0.033	0	7,153	0	0.026
09/07/95	05:49:37	0.59931836	0.074	0.41994763	0.043	0	0.033	0	7.431	0	0.026
09/07/95	05:54:37	0.60060767	0.074	0.42085954	0.043	0	0.032	0	7.056	0	0.025
09/07/95	05:59:39	0.60015937	0.074	0.42090226	0.043	0	0.03	0	6.665	0	0.024
09/07/95	06:04:39	0.59130721	0.073	0.42291341	0.043	0	0.029	0	5.979	0	0.023
09/07/95	06:09:38	0.59495233	0.075	0.44288753	0.043	0	0.029	0	6.282	0	0.023
09/07/95	06:14:37	0.59801754	0.075	0.4343171	0.043	0	0.029	0	6.196	0	0.023
09/07/95	06:19:37	0.59580016	0.074	0.41619244	0.043	0	0.027	0	5.548	0	0.021
09/07/95	06:24:38	0.60204539	0.074	0.4030022	0.043	0	0.029	0	7.409	0	0.023
09/07/95	06:29:37	0.59747421	0.072	0.36767643	0.043	0	0.029	0	6.924	0	0.023
09/07/95	06:34:38	0.60048215	0.072	0.34847431	0.043	0	0.03	0	6.811	0	0.023
09/07/95	06:39:39	0.60335163	0.072	0.35775225	0.043	0	0.032	0	8,982	0	0.026
09/07/95	06:44:37	0.59188589	0.07	0.32878263	0.043	0	0.033	0	7.362	0	0.026
Run 22											
09/07/95	12:22:11	0.55867724	0.063	0.2261532	0.046	0	0.027	6.31160923	1,802	0.09039985	0.021
09/07/95	12:27:11	0.55693588	0.062	0.19590966	0.046	0	0.026	6.80210631	1.879	0.08583196	0.021
09/07/95	12:32:11	0.55857639	0.063	0.19875976	0.046	0	0.026	6.18101862	1.814	0.07530331	0.02
09/07/95	12:37:12	0.55744843	0.063	0.19079763	0.046	0	0.026	6.82429063	1.863	0.07932841	0.021
09/07/95	12:42:11	0.5587956	0.063	0.1933031	0.046	0	0.026	6.91114958	1,799	0.08465979	0.021
09/07/95	12:47:11	0.55980803	0.063		0.047	0	0.026	4.90485764		0.0676815	0.021
09/07/95	12:52:10	0.5591922	0.064	0.22500951	0.046	0	0.026	5.40432865	1.547	0.06816917	
09/07/95	12:57:11	0.55878285	0.064	0.2210096	0.046	0	0.026	5.41647935	1,558	0.06895007	0.021
Run 23					<u> </u>						
09/07/95	16:47:44	0.53980228	0.063	0.20405145	0.061	0	0.029	0	2.743	0	0.023
09/07/95	16:52:45	0.54158088	0.062	0.20413671	0.061	0	0.029	0	2.108	0	
09/07/95	16:57:45	0.54287185	0.063		0.061	0	0.028	0	2.768	ō	
09/07/95	17:02:44	0.54181665	0.063	0.20939675	0.061	o	0.029	0	3.07	0	
09/07/95	17:07:45	0.54333712	0.062	0.21585049	0.061	0	0.029	0	2.458	ō	
09/07/95	17:12:45	0.54000429	0.062	0.23670997	0.062	0	0.03	0	2.41	0	
09/07/95	17:17:45	0.54165185	0.062	0.21207642	0.062	0	0.029	0		0	 -
09/07/95	17:22:45	0.54083441	0.061	0.20756069	0.063	0	0.029	0	2.184	ō	-
09/07/95	17:27:44	0.54458698	0.061	0.20930599	0.062	0	0.031	0		0	
09/07/95	17:32:45	0.53882704	0.061	0.20634615	0.062	0	0.03	0		0	
09/07/95	17:37:45	0.54284276	0.061	0.20902329	0.062	0	0.029	0	2.184	0	
09/07/95	17:42:44	0.53882704	0.062	0.20758175	0.061	0	0.031	0	2.332	0	
09/07/95	17:47:45	0.54194008	0.062	0.20896058	0.061	0	0.03	0	2.915	0	+
09/07/95	17:52:45	0.5436237	0.062	0.2055513	0.062	0	0.028	0	2.69	0	
09/07/95	17:57:44	0.54449859	0.061	0.20414866	0.061	0	0.029	ō	2.692	- 0	-
09/07/95	18:02:44	0.54523267	0.062	0.20320179	0.062	0	0.03	0	2.483	0	
09/07/95	18:07:45	0.54015665	0.062	0.20187262	0.062	- 0			3.057	0	-
		0.0.0.0000	V.002	1 0.20107202	3.502	<u> </u>	3.001		, 0.007	<u>, </u>	3.020

Site: Chick	en processing			<u> </u>							
in ppm	"upwind" data										
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	18:12:45	0.5456468	0.061	0.1997457	0.062	0	0.029		2.37	0	0.023
09/07/95	18:17:44	0.54065991	0.062	0.20007156	0.062	0	0.03	0	2.238	0	0.023
09/07/95	18:22:45	0.539843	0.061	0.19985159	0.063	0	0.031	0	2.515	0	0.024
09/07/95	18:27:45	0.54308944	0.061	0.1997325	0.063	0	0.029	0	2.443	0	0.023
09/07/95	18:32:44	0.54532659	0.062	0.20070131	0.064	0	0.029	0	2.565	0	0.023
09/07/95	18:37:45	0.54461677	0.062	0.19989565	0.063	0	0.029	0	2.69	0	0.023
09/07/95	18:42:45	0.54574174	0.062	0.19988613	0.063	0	0.028	0	2.355	0	0.023
09/07/95	18:47:44	0.54270376	0.062	0.19951305	0.063	0	0.028	0	2.373	0	0.022
09/07/95	18:52:44	0.54380529	0.062	0.19823295	0.063	0	0.028	0	2.429	0	0.022
09/07/95	18:57:45	0.54540533	0.062	0.19703019	0.063	0	0.028	0	2.442	0	0.022
09/07/95	19:02:44	0.54467531	0.062	0.20005608	0.062	0	0.028	0	2.411	0	0.022
09/07/95	19:07:44	0.54606736	0.062	0.20029498	0.062	0	0.028	0	2.419	0	0.022
09/07/95	19:12:45	0.54585464	0.062	0.19880263	0.062	0	0.028	0	2.476	0	0.022
09/07/95	19:17:44	0.54473698	0.062	0.1987784	0.061	0	0.028	0	2.474	0	0.022
09/07/95	19:22:44	0.54562488	0.062	0.19819066	0.062	0	0.028	0	2.567	0	0.022
09/07/95	19:27:45	0.54661014	0.062	0.19760367	0.061	0	0.028	0	2.617	0	0.022
09/07/95	19:32:44	0.54719294	0.062	0.19451975	0.062	0	0.028	0	2.714	0	0.022
09/07/95	19:37:44	0.54797714	0.062	0.19437265	0.062	0	0.028	0	2.735	0	0.022
09/07/95	19:42:45	0.54766221	0.062	0.19402605	0.062	0	0.028	0	2.831	0	0.022
09/07/95 09/07/95	19:47:45 19:52:44	0.54714376	0.062	0.19264643	0.063	0	0.029	0	2.891 2.952	0	0.023
09/07/95		0.54911907	0.062	0.1924008	0.063						
	19:57:45	0.54812043	0.062	0.19222521	0.062	0	0.029	0	3.047	0	0.023
09/07/95 09/07/95	20:02:45	0.55377472	0.062	0.19141971	0.062		0.029	0	3.969 3.092	0	0.023
09/07/95	20:07:44	0.54898709	0.062	0.19230449	0.063	<u>0</u>	0.029	0	3.191	0	0.023
09/07/95	20:17:45	0.54798374	0.062	0.18885371	0.063	0	0.029	0	3.255		0.023
09/07/95	20:17:45	0.54806845	0.062	0.19212182 0.1941953	0.063	0	0.029	0	3.255	0	0.023
09/07/95	20:27:46	0.54923774	0.062	0.20184983	0.063	0	0.029	0	3.386	0	0.023
09/07/95	20:32:46	0.55110977	0.063	0.20385413	0.063	-6	0.029		3.391	0.02328912	0.023
09/07/95	20:37:45	0.54902314	0.063	0.19876203	0.063	0	0.029	0	3.46	0.02952696	0.023
09/07/95	20:42:45	0.54821425	0.063	0.19726207	0.063	0	0.03	0	3.525	0.02802468	0.024
09/07/95	20:47:46	0.54840124	0.063	0.1987707	0.063	0	0.03	0	3.56	0.03227054	0.024
09/07/95	20:52:46	0.54858792	0.063	0.19414313	0.064	0	0.03	Ö	3.68	0.03265404	0.024
09/07/95	20:57:45	0.5487743	0.063	0.19525603	0.063		0.03	0	3.678	0.03620249	0.024
09/07/95	21:02:45	0.54895444	0.063	0.19524312	0.064	0	0.03	ō	3.765	0.03756576	0.024
09/07/95	21:07:46	0.54825073	0.063	0.19754023	0.064	0	0.031	0	3.913	0.04031837	0.024
09/07/95	21:12:46	0.54844546	0.063	0.19887813	0.064	o	0.031	0	3.937	0.04117785	0.024
09/07/95	21:17:45	0.54823587	0.063	0.20176344	0.064	0	0.031	0	3.992	0.04659117	0.025
09/07/95	21:22:45	0.54941407	0.064	0.22077228	0.065	<u>0</u>	0.031	0	4.139	0.04559535	0.025
09/07/95	21:27:46	0.55038784	0.064	0.22473266	0.065		0.031	Ö	4.181	0.04863617	0.025
09/07/95	21:32:46	0.54879029	0.064	0.22223739	0.065		0.031	0	4.216	0.04979143	0.024
09/07/95	21:37:46	0.54996008	0.064	0.23220537	0.065	0	0.031	Ö	4.267	0.051645	
09/07/95	21:42:46	0.55064312	0.065	0.24881422	0.066	ō	0.031	0	4.407	0.05400008	0.025
09/07/95	21:47:47	0.55043917	0.065	0.24088487	0.066	ō	0.031	0	4.434	0.05369417	0.025
09/07/95	21:52:45	0.55062926	0.065	0.24054323	0.066	0	0.031	0	4.478	0.0538809	0.025
09/07/95	21:57:46	0.55110042	0.065	0.23479359	0.066	0	0.031	0	4.469	0.05690176	0.025
09/07/95	22:02:46	0.55217592	0.065	0.25020164	0.066	0	0.031	0	4.533	0.05757984	0.025
09/07/95	22:07:46	0.55324329	0.066	0.28552588	0.066	0	0.031	0	4.614	0.05824649	0.025
09/07/95	22:12:46	0.55333394	0.067	0.31704805	0.066	0	0.031	0	4.683	0.06049784	0.025
09/07/95	22:17:45	0.55233501	0.066	0.28093664	0.067	0	0.031	0	4.717	0.06165463	0.025
09/07/95	22:22:46	0.55222135	0.066	0.25851587	0.067	0	0.031	0	4.715	0.06241733	0.025
09/07/95	22:27:47	0.55299984	0.066	0.28470598	0.066	0	0.031	0	4.721	0.06270018	0:025
09/07/95	22:32:45	0.55337693	0.067	0.31072807	0.067	0	0.031	0	4.789	0.06464087	0.025
09/07/95	22:37:46	0.55289367	0.067	0.29123455	0.067	0	0.032	0	4.831	0.07084349	0.025
09/07/95	22:42:47	0.5548505	0.067	0.29461697	0.067	0	0.032	0	4.872	0.07073165	0.025
09/07/95	22:47:47	0.55286976	0.067	0.28252332	0.068	0	0.032	0	4.911	0.07188289	0.025
09/07/95	22:52:45	0.55305808	0.066	0.2735345	0.067	0	0.032	0	4.875	0.07334181	0.025
09/07/95	22:57:45	0.55394172	0.067	0.28894904	0.068	0	0.032	0	5	0.0744218	0.026
09/07/95	23:02:46	0.56572354	0.069	0.31643994	0.068	0	0.032	0	5.196	0.07334181	0.025
09/07/95	23:07:46	0.55441583	0.068	0.29629693	0.068	0	0.032	0	5.112	0.07743567	0.026
		~									
09/07/95	23:12:45	0.55617362	0.068	0.30595437	0.068	0	0.032	0	5.172	0.07702828	0.026

Site: Chic	e: Chicken processing										
in ppm	"upwind" data		<u> </u>								1
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	23:22:46	0.55683348	0.069	0.33156992	0.068	0	0.032	0	5.14	0.07717998	0.025
09/07/95	23:27:46	0.55692245	0.069	0.3397423	0.068	0	0.032	0	5.171	0.07863588	0.025
09/07/95	23:32:46	0.5575015	0.07	0.36065553	0.068	0	0.032	0	5.195	0.07930697	0.026
09/07/95	23:37:45	0.55759022	0.07	0.35352925	0.068	0	0.032	0	5.2	0.08115393	0.026
09/07/95	23:42:46	0.55709091	0.07	0.34973746	0.068	0	0.032	0	5.197	0.08211824	0.026
09/07/95	23:47:46	0.5571889	0.07	0.34944348	0.067	0	0.032	0	5.172	0.0826082	0.025
09/07/95	23:52:46	0.55628865	0.07	0.34872118	0.068	0	0.032	0	5.211	0.08443754	0.025
09/07/95	23:57:45	0.55599479	0.07	0.35930036	0.068	0	0.032	0	5.264	0.0862987	0.026
09/08/95	00:02:45	0.5572588	0.071	0.37548862	0.068	0	0.033	0	5.277	0.08784906	0.026
09/08/95	00:07:46	0.55919786	0.071	0.38865818	0.067	0	0.032	Ö	5.219	0.08419296	0.025
09/08/95	00:12:46	0.55820917	0.071	0.38271048	0.067	0	0.032	0	5.194	0.08495977	0.025

Site: Chick	en processing										
in ppm	"upwind" data								$\overline{}$		
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	·
<u> </u>		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 20		-1.1					<u> </u>				
09/05/95	20:49:50	0.01736238	0.005	0	0.006	0	0.002	0.00441416	0.003	0	0.157
09/05/95	20:54:51	0.0160841	0.005	0	0.006	0	0.002	0.00460947	0.003	0	0.158
09/05/95	20:59:51	0.01685649	0.005	0	0.006	0	0.002	0.00401812	0.003	0	0.199
09/05/95	21:04:51	0.01626469	0.005	0	0.006	0	0.002	0.00411516	0.003	0	0.171
09/05/95	21:09:52	0.01537993	0.005	0	0.006	0	0.002	0.00450622	0.003	0	0.153
09/05/95	21:14:53	0.01664387	0.005	0	0.006	0	0.002	0.0038183	0.003	0	0.185
09/05/95	21:19:52	0.01614198	0.005	0	0.006	0	0.002	0.00401104	0.003	0	0.166
09/05/95	21:24:52	0.01487304	0.005	0	0.006	0	0.002	0.0044032	0.003	0	0.161
09/05/95	21:29:52	0.0162367	0.005	0	0.006	Ö	0.002	0.00391246	0.003	0	0.159
09/05/95	21:34:52	0.01671935	0.005	0	0.006	0	0.002	0.00361764	0.003	0	0.166
09/05/95	21:39:51	0.01671614	0.005	0	0.006	0	0.002	0.00351919	0.003	0	0.166
09/05/95	21:44:51	0.01553414	0.005	0	0.006	0	0.002	0.00381026	0.003	0	0.178
09/05/95	21:49:52	0.01562884	0.005	0	0.006	0	0.002	0.00400489	0.003	0	0.176
09/05/95	21:54:52	0.01572049	0.005	0	0.006	0	0.002	0.00371043	0.003	0	0.159
09/05/95	21:59:52	0.01639769	0.005	0	0.006	0	0.002	0.00351379	0.003	0	0.163
09/05/95	22:04:51	0.01561385	0.005	Ō	0.006	0	0.002	0.00370829	0.003	0	0.2
09/05/95	22:09:52	0.01600112	0.005	0	0.006	0	0.002	0.00370758	0.003	0	0.154
09/05/95	22:14:52	0.0162907	0.005	0	0.006	0	0.002	0.00351177	0.003	. 0	0.156
09/05/95	22:19:52	0.0150139	0.005	0	0.006	0	0.002	0.0040947	0.003	0	0.279
09/05/95	22:24:52	0.01628061	0.005	0	0.006	0	0.002	0.00350959	0.003	0	0.163
09/05/95	22:29:53	0.01637495	0.005	0	0.006	0	0.002	0.00341145	0.003	0	0.156
09/05/95	22:34:53	0.01871144	0.005	0	0.006	0	0.002	0	0.003	0	0.154
09/05/95	22:39:52	0.01890271	0.005	O	0.006	0	0.002	0	0.003	0	0.162
09/05/95	22:44:52	0.01655149	0.005	0	0.006	0	0.002	0.00321294	0.003	0	0.174
09/05/95	22:49:53	0.01634732	0.005	·	0.006	0	0.002	0.00321108	0.003	0	0.158
09/05/95	22:54:53	0.01624689	0.005	0	0.006	0	0.002	0.00321046	0.003	0	0.157
09/05/95	22:59:53	0.01752173	0.005	0	0.006	0	0.002	0	0.003	0	0.167
09/05/95	23:04:55	0.01858177	0.005	0	0.006	0	0.002	0	0.003	0	0.226
09/05/95	23:09:55	0.01877552	0.005	. 0	0.006	0	0.002	. 0	0.003	0	0.219
09/05/95	23:14:54	0.02053056	0.005	0	0.006	0	0.002	0	0.003	0	0.174
09/05/95	23:19:54	0.02004019	0.005	0	0.006	0	0.002	0	0.003	0	0.166
09/05/95	23:24:55	0.01867824	0.005	0	0.006	0	0.002	0	0.003	0	0.187
09/05/95	23:29:54	0.01711512	0.005	0	0.006	0	0.002	0	0.003	0	0.199
09/05/95	23:34:54	0.02188012	0.005	0.00680715	0.006	0	0.002	0	0.003	0	0.165
09/05/95	23:39:53	0.01895546	0.005	0	0.006	0	0.002	0	0.003	0	0.185
09/05/95	23:44:54	0.01759038	0.005	0	0.006	0	0.002	0	0.003	0	0.322
09/05/95	23:49:54	0.01680642	0.005	0	0.006	0	0.002	0	0.003	0	0.161
09/05/95	23:54:54	0.01962368	0.005	0	0.006	0	0.002	0	0.003	0	0.158
09/05/95	23:59:53	0.01903345	0.005	0	0.006	0	0.002	0	0.003	0	0.158
09/06/95	00:04:53	0.01786123	0.005	0	0.006	0	0.002	0	0.003	0	0.158
09/06/95	00:09:54	0.01717177		0		0	0.002	0		0	0.228
09/06/95	00:14:54	0.01610149	0.005	0	0.006	0	0.002	.0	0.003	0	0.176
09/06/95	00:19:54	0.01648629	0.005	0	0.006	0	0.002	.0	0.003	0	0.158
09/06/95	00:24:53	0.01667949	0.005	0	0.006	0	0.002	0	0.003	0	0.202
09/06/95	00:29:55	0.01560976	0.005	0	0.006	0	0.002	0	0.003	0	0.165
09/06/95	00:34:55	0.01667626	0.005	0	0.006	0	0.002	. 0	0.003	0	0.166
09/06/95	00:39:54	0.01793321	0.005	0	0.006	0	0.002	0		0	0.177
09/06/95	00:44:54	0.01841789	0.005	0	0.006	0	0.002	0		0	0.167
09/06/95	00:49:54	0.02442794	0.005	0.01124461	0.006	0	0.002	0	0.003	0	0.169
09/06/95	00:54:55	0.02122494	0.005	0.00600889	0.006	0	0.002	0		0	0.185
09/06/95	00:59:55	0.01772904	0.005	0	0.006	0	0.002	0	<u></u>	0	0.177
09/06/95	01:04:54	0.01753188	0.005	0	0.006	0	0.002	0	0.003	0	0.197
09/06/95	01:09:54	0.01752509	0.005	0	0.006	0	0.002	0	0.003	0	0.214
09/06/95	01:14:55	0.01789851	0.005	0	0.006	0	0.002	0	0.003	0	0.269
09/06/95	01:19:54	0.01915907	0.005	0	0.006	O	0.002	0	0.003	0	0.174
09/06/95	01:24:54	0.02313981	0.005	0.00939147	0.006	0	0.002	0	0.003	0	0.187
09/06/95	01:29:54	0.02401118	0.005	0.0110374	0.006	0	0.002	0		0	0.181
09/06/95	01:34:54	0.02070728	0.005	0.00580578	0.006	0	0.002	0	0.003	0	0.232
09/06/95	01:39:55	0.02197271	0.005	0.0073565	0.006	0	0.002	0	0.003	0	0.17
09/06/95	01:44:54	0.0271997	0.005	0.01558417	0.007	0	0.002	0	0.004	0	0.228
09/06/95	01:49:54	0.02331084	0.005	0.00976927	0.006	0	0.002	0	0.003	0	0.174

Site: Chick	en processing										
in ppm	"upwind" data										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	01:54:54	0.02708838	0.006	0.01625303	0.007	0	0.002	0	0.004	0	0.162
09/06/95	01:59:54	0.03046852	0.006	0.02147305	0.007	0	0.002	0	0.004	0	0.174
09/06/95	02:04:54	0.02523065	0.005	0.01334034	0.006	0	0.002	0	0.003	0	0.275
09/06/95	02:09:54	0.02513282	0.005	0.01333973	0.006	0	0.002	0	0.003	0	0.25
09/06/95	02:14:55	0.02997769	0.006	0.02050087	0.007	0	0.002	0	0.004	0	0.182
09/06/95	02:19:55	0.02562609	0.005	0.0132482	0.006	0	0.002	0	0.003	0	0.181
09/06/95	02:24:54	0.02193862	0.005	0.00763503	0.006	0	0.002	0	0.003	0	0.248
09/06/95	02:29:54	0.02522948	0.005	0.01275974	0.006	0	0.002	0	0.003	0	0.169
09/06/95	02:34:55	0.0315188	0.006	0.02233388	0.007	0	0.002	0	0.004	0	0.167
09/06/95	02:39:55	0.02647583	0.005	0.01488058	0.006	0	0.002	0	0.004	0	0.209
09/06/95	02:44:54	0.02405548	0.005	0.01101335	0.006	0	0.002	0	0.003	0	0.16
09/06/95	02:49:54	0.0265673	0.005	0.0150709	0.006	0	0.002	0	0.004	0	0.169
09/06/95	02:54:54	0.02442767	0.005	0.01177935	0.006	0	0.002	0	0.003	0	0.178
09/06/95	02:59:55	0.02182076	0.005	0.00772416	0.006	0	0.002	0	0.003	0	0.168
09/06/95	03:04:55	0.02104425	0.005	0.00627466	0.006	0	0.002	0	0.003	0	0.175
09/06/95	03:09:54	0.02046903	0.005	0	0.006	0	0.002	_	0.003	0	0.165
09/06/95	03:14:54	0.02151436	0.005	0.00742873	0.006	0	0.002	0	0.003	0	0.173
09/06/95	03:19:55	0.02441817	0.005	0.01206431	0.006	0	0.002	0	0.003	0	0.154
09/06/95	03:24:55	0.02866481	0.006	0.01910987	0.007	0	0.002	0	0.004	0	0.206
09/06/95	03:29:55	0.02595735	0.005	0.01399188	0.006	0	0.002	0	0.003	0	0.169
09/06/95	03:34:54	0.02557634	0.005	0.0139946	0.006	0	0.002	0	0.004	0	0.159
09/06/95	03:39:54	0.02633821	0.005	0.01514688	0.006	0	0.002	0	0.004	0	0.176
09/06/95	03:44:55	0.0264244	0.005	0.01485167	0.006	0	0.002	0	0.004	0	0.175
09/06/95	03:49:55	0.02458727	0.005	0.01243826	0.006	0	0.002	0	0.003	0	0.164
09/06/95	03:54:55	0.02458727	0.005	0.012149	0.006	0	0.002	0	0.003	0	0.179
09/06/95	03:59:55	0.02506937	0.005	0.01320963	0.006	0	0.002	0	0.003	0	0.168
09/06/95	04:04:56	0.02535369	0.005	0.01339986	0.006	0	0.002	0	0.003	0	0.236
09/06/95	04:09:56	0.02716416	0.006	0.01637556	0.007	. 0	0.002	0	0.004	0	0.191
09/06/95	04:14:56	0.02909636	0.006	0.01926911	0.007	0	0.002	lo	0.004	. 0	0.159
09/06/95	04:19:56	0.03150037	0.006	0.02292687	0.007	0	0.002	0	0.004	ō	0.175
09/06/95	04:24:56	0.03362621	0.007	0.026689	0.008	0	0.002	0	0.004	0	0.159
09/06/95	04:29:57	0.03525729	0.007	0.02909208	0.008	0	0.003	0	0.005	0	0.2
09/06/95	04:34:57	0.03476886	0.007	0.02812329	0.008	0	0.002	0	0.005	0	0.155
09/06/95	04:39:57	0.03747292	0.007	0.03227102	0.009		0.003	0	0.005	0	0.154
09/06/95	04:44:56	0.03968081	0.008	0.0365988	0.01	0	0.003	0	0.005	Ö	0.162
09/06/95	04:49:56	0.03456277	0.007	0.02820861	0.008	0	0.002	0	0.005	0	0.185
09/06/95	04:54:57	0.03385745	0.007	0.02683588	0.008	0	0.002	0	0.004	0	0.207
09/06/95	04:59:57	0.03619944	0.007	0.03042294	0.009	0	0.003	- 0	0.005	0	0.153
09/06/95	05:04:57	0.03868183	0.008	0.03425555	0.009	0	0.003	0	0.005	0	0.214
09/06/95	05:09:56	0.03455603	0.007	0.0280106	0.008	0	0.002	0	0.005	0	0.191
09/06/95	05:14:56	0.03453582	0.007	0.02780182	0.008	0	0.002	0	0.005	0	0.284
09/06/95	05:19:56		0.007	0.02510821	0.008	0	0.002	0	1	0	0.153
09/06/95	05:24:57		0.008	0.03300305	0.009	0	0.003	0	1	0	0.164
09/06/95	05:29:57		0.007	0.02856584	0.008	0	0.002	0	0.005	0	0.165
09/06/95	05:34:57	0.03222073	0.006	0.02356442	0.008	0	0.002	0	0.004	0	0.152
09/06/95	05:39:57	0.03318254	0.007	0.02510332	0.008	0	0.002	0	0.004	0	0.166
09/06/95	05:44:58	0.03683203	0.007	0.03173517	0.009	0	0.003	0	0.005	0	0.151
09/06/95	05:49:58	0.04366631	0.009	0.04280067	0.011	0	0.003	0	0.006	- - 0	0.168
09/06/95	05:54:58	0.04189618	0.009	0.0403587	0.01	0	0.003	0	0.006	0	0.239
09/06/95	05:59:57	0.03862905	0.008	0.03507364	0.009	0	0.003	0	0.005	0	0.152
09/06/95	06:04:57	0.0440188	0.009	0.04276936	0.011	0	0.003	0	0.006	0	0.152
09/06/95	06:09:57	0.04708516	0.01	0.04794999	0.012	0	0.004	0	0.006	- 0	0.176
09/06/95	06:14:58		0.008	0.03881365	0.012	0	0.003	0	+	T o	·
09/06/95	06:19:58	0.03930169	0.008	0.03488145	0.009	0	0.003	0	+	0	0.171
09/06/95	06:24:58	0.03918456	0.008	0.03447857	0.009	0	0.003	0	0.005	0	0.171
09/06/95	06:29:58	0.03976857	0.008	0.03447837	0.003	0	0.003	0	-	0	0.156
09/06/95	06:34:58	0.04244994	0.009	0.03363601	0.01	0	0.003	0	+	1 0	+
09/06/95	06:39:58	0.04207399	0.009	0.03900009	0.01	- 0	0.003	0	· · · · · · · · · · · · · · · · · · ·	0	0.152
09/06/95	06:44:59	0.04207399			0.013	0	0.003	0	+	0	0.152
09/06/95	06:50:01	0.03013276	0.011	0.05178609		0		Ö	· · · · · · · · · · · · · · · · · · ·	0	· †
09/06/95	06:54:59	0.04690375	0.01	0.05015276	0.012	 	0.004		+	0	+
09/06/95			0.01	0.05150791	0.012	0	0.004	0			
03100133	07:00:02	0.05993843	0.014	0.06907831	0.016	0	0.005	0	0.009	0	0.462

Site: Chick	en processing										
in ppm	"upwind" data								_	·	
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% ÇI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	07:04:58	0.06836517	0.016	0.08309739	0.019	0	0.006	0	0.011	0	0.43
09/06/95	07:10:00	0.07359721	0.018	0.09288875	0.022	0	0.006	0	0.012	0	0.278
09/06/95	07:14:59	0.07091001	0.017	0.08965189	0.021	0	0.006	0	0.011	0	0.336
09/06/95	07:19:59	0.06520199	0.016	0.08048673	0.019	0	0.006	0	0.01	0	0.336
09/06/95			0.014	0.0704518	0.016	0	0.005	0	0.009	0	0.194
	07:24:59	0.05979197				0	0.003	0	0.003	- 0	0.134
09/06/95	07:29:59	0.05703676	0.012	0.06402086	0.015	0	0.004	0		0	0.25
09/06/95	07:34:59	0.05156741	0.01	0.05215009	0.012				0.007	_	-
09/06/95	07:39:59	0.04727017	0.009	0.04474132	0.011	0	0.003	0	0.006	0	0.251
09/06/95	07:44:59	0.04005244	0.007	0.03176909	0.008	0	0.002	0	0.005	0	0.187
09/06/95	07:50:00	0.04078161	0.007	0.03317164	0.009	0	0.003	0	0.005	0	0.167
09/06/95	07:55:00	0.04020567	0.007	0.03181322	0.008	0	0.003	0	0.005	0	0.154
09/06/95	08:00:00	0.03582115	0.006	0.02440133	0.007	0	0.002	0	0.004	0	0.152
09/06/95	08:05:00	0.02921761	0.005	0.01426679	0.006		0.002	0	0.003	0	0.156
09/06/95	08:10:00	0.02708858	0.005	0.0106594	0.006		0.002	0	0.003	0	0.185
09/06/95	08:15:00	0.02505892	0.005	0.00783091	0.006	0	0.002	0	0.003	0	0.154
09/06/95	08:20:01	0.02526436	0.005	0.00793183	0.006	0	0.002	0	0.003	0	0.153
09/06/95	08:25:01	0.02488797	0.005	0.00764276	0.006	0	0.002	0	0.003	0	0.153
09/06/95	08:30:01	0.02404283	0.005	0.00667311	0.006	0	0.002	0	0.003	0	0.157
09/06/95	08:35:00	0.02418704	0.005	0.00688249	0.006	0	0.002	0	0.003	0	0.153
09/06/95	08:40:00	0.02382549	0.005	0.00679322	0.006	0	0.002	0	0.003	0	0.151
09/06/95	08:45:01	0.02348964	0.005	0.00631654	0.006	0	0.002	0	0.003	0	0.152
09/06/95	08:50:01	0.02352085	0.005	0.00672024	0.006	0	0.002	0	0.003	0	0.152
09/06/95	08:55:01	0.02365997	0.005	0.0069297	0.006	0	0.002	0	0.003	0	0.153
09/06/95	09:00:00	0.02292509	0.005	0.00615305	0.006	0	0.002	0.00317577	0.003	0	0.161
09/06/95	09:05:00	0.02333086	0.005	0.00685034	0.006	0	0.002	0.00327625	0.003	0	0.152
09/06/95	09:10:00	0.02266579	0.005	0.00636233	0.006	0	0.002	0.00357881	0.003	0	0.151
09/06/95	09:15:01	0.02277377	0.005	0.00656362	0.006	0	0.002	0.00367961	0.003	0	0.151
09/06/95	09:20:01	0.02249659	0.005	0.00647026	0.006	0	0.002	0.0039817	0.003	0	0.15
. 09/06/95	09:25:00	0.02252699	0.005	0.00667836	0.006	0	0.002	0.0038874	0.003	0	0.152
09/06/95	09:30:01	0.02177447	0.005	0.00579321	0.006	0	0.002	0.00449473	0.003	0	0.149
09/06/95	09:35:01	0.02229058	0.005	0.00649725	0.006	0	0.002	0.0044981	0.003	0	0.15
09/06/95	09:40:01	0.02211962	0.005	0.00640568	0.006	0	0.002	0.00480426	0.003	0	0.149
09/06/95	09:45:00	0.021132689	0.005	0.00040308	0.006	0	0.002	0.00510644	0.003	0	0.147
09/06/95	09:50:01						0.002	0.00510044		0	0.147
09/06/95		0.02098049	0.005		0.005	0			0.003	0	
09/06/95	09:55:02	0.01917774	0.004	0	0.005		0.002	0.00652646	0.003	←	0.157
	10:00:02	0.01958302	0.004	0	0.005	0		0.00652767	0.003	0	0.15
09/06/95	10:05:01	0.01881754	0.004	0	0.005	0	0.002	0.007044	0.003	0	0.146
09/06/95	10:10:01	0.01839789	0.004	0	0.005	0	0.002	0.00733905	0.003	0	0.15
09/06/95	10:15:02	0.01780131	0.004	0	0.005	0	0.002	0.0076435	0.003	0	0.148
09/06/95	10:20:03	0.01930989	0.004	0	0.005	0	0.002	0.00744235	0.003	0	0.145
09/06/95	10:25:01	0.01944601	0.004	0	0.005	. 0	0.002	0.00705296	0.003	0	0.146
09/06/95	10:30:01	0.01956494	0.004	0	0.005	0	0.002	0.00716036	0.003	0	0.148
09/06/95	10:35:02	0.02080215	0.004	0	0.005	0	0.002	0.00676575	0.003	0	0.145
09/06/95	10:40:02	0.02001656	0.004	0	0.005	0	0.002	0.00717765	0.003	0	0.149
09/06/95	10:45:01	0.02061548	0.004	0	0.005	0	0.002	0.00697288	0.003	0	0.148
09/06/95	10:50:01	0.02021874	0.004	0	0.005	0	0.002	0.00717765	0.003	0	0.146
09/06/95	10:55:07	0.02053724	0.004	0	0.005	0	0.002	0.00708181	0.003	0	0.147
09/06/95	11:00:01	0.02024122	0.004	0	0.005	0	0.002	0.00708443	0.003	0	0.144
09/06/95	11:05:01	0.0204285	0.004	0	0.005	0	0.002	0.00718031	0.003	0	0.143
09/06/95	11:10:00	0.01913504	0.004	0	0.005	0	0.002	0.00779576	0.003	0	0.15
09/06/95	11:15:01	0.01862193	0.004	0	0.005	0	0.002	0.00789408	0.003	0	0.148
09/06/95	11:20:01	0.02018045	0.004	0	0.005	0	0.002	0.00730147	0.003	0	0.143
09/06/95	11:25:00	0.02089418	0.004	0.00547711	0.005	0	0.002	0.00709996	0.003	0	0.143
09/06/95	11:30:00	0.02028561	0.004	0	0.005	0	0.002	0.00740425	0.003	0	0.148
09/06/95	11:35:02	0.01835508	0.004	0	0.005	0	0.002	0.00790993	0.003	0	0.148
09/06/95	11:40:00	0.0179395	0.004	0	0.005	0	0.002	0.00790554	0.003	0	0.148
09/06/95	11:45:00	0.0179393	0.004	0	0.005	0	0.002	0.00781429	0.003	0	0.142
09/06/95	11:50:00	0.01868345	0.004	0	0.005	0	0.002	0.00781862	0.003	- 6	0.143
09/06/95	11:55:01	0.0169474	0.004	0	0.005	0	0.002	0.00781882	0.003	0	0.142
09/06/95	12:00:01	0.0169474	0.004		0.005		0.002	0.00853546	0.003	1 - 0	0.142
	12:05:02			0			0.002				
09/06/95		0.01727096	0.004	0	0.005			0.00863548	0.003	0	0.147
09/06/95	12:10:02	0.01787393	0.004	0	0.005	0	0.002	0.00802296	0.003	0	0.144

Site: Chick	en processing										
in ppm	"upwind" data								-		
Date	Time	CL3F		CCL4		TCFM		CL2F2	-	HCC	
Date	· · · · · · · · · · · · · · · · · · ·	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/06/95	12:15:02	0.01872036	0.004	0	0.005	0	0.002	0.00813929	0.003	70	0.142
09/06/95	12:20:03	0.01678419	0.004	0	0.005	0	0.002	0.00854468	0.003	ō	0.142
09/06/95	12:25:03	0.0175156	0.004	0	0.005	0	0.002	0.00835046	0.003	0	0.14
09/06/95	12:30:02	0.01813662	0.004	0	0.005	0	0.002	0.00815129	0.003	-	0.141
	12:35:04	0.01793614	0.004	0	0.005	0	0.002	0.00815279	0.003	0	0.148
09/06/95	12:40:02	0.01598219	0.004	0	0.005	0	0.002	0.00855098	0.003	0	0.15
	12:45:04	0.0172128	0.004	0	0.005	0	0.002	0.00835177	0.003	0	0.144
09/06/95	12:50:03	0.01721231	0.004	0	0.005	0	0.002	0.00825448	0.003	- 0	0.141
09/06/95		0.01722231	0.004	0	0.005	0	0.002	0.00815708	0.003	0	0.14
09/06/95	12:55:02	0.01723182	0.004	0	0.005	0	0.002	0.00814957	0.003	0	0.138
09/06/95	13:00:02		0.004	- 0	0.005	0	0.002	0.00927185	0.003	0	0.138
09/06/95	13:05:03	0.01395871		0	0.005	0	0.002	0.01000319	0.003	0	0.142
09/06/95	13:10:03	0.01163636	0.004		0.005	0	0.002	0.01000319	0.003		0.154
09/06/95	13:15:02	0.00989565	0.004	0						0	
09/06/95	13:20:02	0.00960371	0.004	0	0.005	0	0.002	0.01062539	0.003	0	0.141
09/06/95	13:25:05	0.00470907	0.005	0	0.006	0.00184268	0.002	0.01289875	0.003	0	0.154
09/06/95	13:30:02	0	0.005	0	0.006	0.00286376	0.002	0.01431881	0.003	0	0.145
09/06/95	13:35:02	0	0.005	0	0.006	0.00346657	0.002	0.01488588	0.003	0	0.141
09/06/95	13:40:03	0	0.005	0	0.006	0.00275642	0.002	0.01347581	0.003	0	0.142
09/06/95	13:45:04	0	0.005	0	0.006	0.00254989	0.002	0.01336143	0.003	0	0.149
09/06/95	13:50:02	0	0.005	0	0.006	0.00305987	0.002	0.01366741	0.003	0	0.147
09/06/95	13:55:02	0	0.005	0	0.006	0.00357764	0.002	0.01441278	0.003	0	0.137
09/06/95	14:00:03		0.005		0.006	0.00459898	0.002	0.01584092	0.004	0	0.141
09/06/95	14:05:03	<u>0</u>	0.006	Û	0.007	0.00530852	0.002	Ŭ.Ü16/4224	0.004	U	0.142
09/06/95	14:10:02	0	0.005	0_	0.006	0.00460309	0.002	0.01544591	0.004	0	0.146
09/06/95	14:15:03	0	0.005	0	0.006	0.00460974	0.002	0.01341945	0.003	0	0.14
09/06/95	14:20:03	0	0.005	0	0.006	0.00429926	0.002	0.01197652	0.003	0	0.141
09/06/95	14:25:04	0	0.005	0	0.006	0.00450564	0.002	0.01269772	0.003	0	0.144
09/06/95	14:30:02	0	0.006	0	0.007	0.00563309	0.002	0.01587506	0.004	. 0	0.146
09/06/95	14:35:04	0	0.006	0	0.007	0.00613729	0.002	0.01718442	0.004	0	0.15
09/06/95	14:40:03	0	0.006	. 0	0.008	0.00725846	0.002	0.01840174	0.004	0	0.155
09/06/95	14:45:02	0	0.006	0	0.008	0.00716658	0.002	0.0181212	0.004	. 0	0.146
09/06/95	14:50:02	0	0.006	0	0.007	0.00644281	0.002	0.0175899	0.004	0	0.143
09/06/95	14:55:03	0	0.006	0	0.007	0.00613601	0.002	0.01595363	0.004	0	0.139
09/06/95	15:00:03	0	0.005	0	0.006	0.00542513	0.002	0.01371635	0.004	0	0.149
09/06/95	15:05:02	0	0.005	0	0.006	0.00542811	0.002	0.01341666	0.003	0	0.145
09/06/95	15:10:03	0	0.005	0	0.007	0.00553344	0.002	0.01444843	0.004	0	0.143
09/06/95	15:15:03	0	0.006	0	0.007	0.00686431	0.002	0.01710954	0.004	<u> </u>	0.14
09/06/95	15:20:02	··· 0	0.006	0	0.007	0.00696548	0.002	0.0171064	-0.004	0-	0.141
09/06/95	15:25:02	0	0.006	0	0.007	0.00645805	0.002	0.0164014	0.004	0	0.139
09/06/95	15:30:03	0	0.006	0	0.008	0.00779047	0.002	0.01793859	0.004	0	0.142
09/06/95	15:35:03	0	0.007	0	0.008	0.00809651	0.002	0.01896017	0.004	0	0.148
09/06/95	15:40:02	0	0.006	0	0.008	0.00758128	0.002	0.01874831	0.004	0	0.15
09/06/95	15:45:03	0	0.007	0	0.009	0.00942192	0.003	0.01956073	0.005	0	0.15
09/06/95	15:50:03	0	0.006	0	0.007	0.0062437	0.002	0.01770754	0.004	0	0.145
09/06/95	15:55:02	0	0.006	0	0.008	0.00686162	0.002	0.01822937	0.004	0	0.146
09/06/95	16:00:01	0	0.006	0	0.008	0.0072726	0.002	0.01813028	0.004	0	0.145
09/06/95	16:05:02	0	0.006	0	0.008	0.00717544	0.002	0.0181436	0.004	ō	0.151
09/06/95	16:10:02	0	0.006	0	0.008	0.00728311	0.002	0.01815648	0.004	Ö	0.146
09/06/95	16:15:02	0	0.007	0	0.008	0.00830737	0.002	0.01907619	0.005	0	0.149
09/06/95	16:20:03	0	0.007	0	0.008	0.00778885	0.002	0.01844728	0.004	0	0.148
09/06/95	16:37:43	0	0.007	0	 -	0.00869704	0.003	0.01207354	0.005	0	0.151
09/06/95	16:40:46	0	0.008	0	0.009	0.00786691	0.003	0.01246445	0.005	0	0.321
Run 21	1 = 1		3.333		1	2.02.0001		2.2.2.0.0	1	 	<u>-</u>
09/06/95	16:49:36	0	0.008	0	0.009	0.00840531	0.003	0.01281297	0.005	0	0.281
09/06/95	16:54:36	0	0.008	- 0		0.00901536	0.003	0.01201297	0.005	0	0.277
09/06/95	16:59:35	0		0	0.01	0.00901536	0.003	0.0130108	0.005	0	0.274
09/06/95	17:04:36				0.01				0.005	0	0.274
09/06/95	17:09:36	0	0.008	0		0.00971104	0.003	0.01410656		- 6	0.247
09/06/95	17:09:36	0	0.008		0.01	0.01042851	0.003	0.0147226	0.006	0	0.247
09/06/95		0	0.007			0.00746217	0.003	0.0123688	0.005	+	0.234
09/06/95	17:19:36	0	0.007		0.009	0.00756041	0.003	0.01338396	0.005	0	+
09/06/95	17:24:36	0	0.008	- 0	0.009	0.00796908	0.003	0.01348613	0.005	0	
09/00/95	17:29:35	0	0.008	0	0.01	0.00949785	0.003	0.01450209	0.005	0	0.217

	en processing								<u> </u>		
in p <u>o</u> m	"upwind" data										
Date	Time	CL3F_		CCL4		TCFM		CL2F2	Ĺ	HCC	
		ppm	95% CI	ppm	95% CI	ppm .	95% CI	ppm	95% CI	ppm	
09/06/95	17:34:36	0	0.008	0	0.01	0.00939053	0.003	0.01408579	0.005	0	0.203
09/06/95	17:39:36	0	0.008	0	0.01	0.00938533	0.003	0.01387397	0.005	0	0.211
09/06/95	17:44:35	0	0.008	0	0.01	0.00897728	0.003	0.01387397	0.005	0	0.206
09/06/95	17:49:36	0	0.008	0	0.009	0.00764827	0.003	0.01356292	0.005	0	0.22
09/06/95	17:54:36	0	0.007	0	0.009	0.00642217	0.003	0.01264047	0.005	0	0.244
09/06/95	17:59:36	0	0.007	0	800.0	0.00631557	0.003	0.01263113	0.005	0	0.223
09/06/95	18:04:35	0	0.007	0	0.008	0.0059039	0.002	0.01211318	0.005	0	0.232
09/06/95	18:09:36	0	0.007	0	0.008	0.00559336	0.002	0.0117969	0.005	0	0.229
09/06/95	18:14:36	0	0.007	0	0.008	0.00589501	0.002	0.01199331	0.005	0	0.229
09/06/95	18:19:35	0	0.007	0	800.0	0.00578909	0.002	0.01188286	0.005	0	0.255
09/06/95	18:24:36	0	0.007	0	800.0	0.00548033	0.002	0.01167108	0.004	0	0.254
09/06/95	18:29:36	0	0.007	0	0.008	0.00547729	0.002	0.01156316	0.004	0	0.237
09/06/95	18:34:35	0	0.007	0	0.008	0.00537087	0.002	0.01134976	0.004	0	0.231
09/06/95	18:39:36	0	0.007	0	0.008	0.00556924	0.002	0.011341	0.004	0	0.193
09/06/95	18:44:36	0	0.007	0	0.008	0.00566312	0.002	0.01122512	0.005	0	0.211
09/06/95	18:49:36	0	0.007	0	0.008	0.00585992	0.002	0.01111364	0.005	0	0.172
09/06/95	18:54:35	0	0.007	0	0.008	0.00585555	0.002	0.01090344	0.005	0	0.165
09/06/95	18:59:36	0	0.007	0	0.008	0.00584573	0.002	0.01068357	0.005	0	0.286
09/06/95	19:04:36	0 :	0.007	0	0.008	0.00612972	0.003	0.01045067	0.005	ō	0.236
09/06/95	19:09:35	0	0.007	0	0.008	0.00622321	0.003	0.01023818	0.005	0	0.192
09/06/95	19:14:36	0	0.007	0	0.008	0.00622204	0.003	0.01003555	0.005	0	0.3
09/06/95	19:19:36	0	0.007	0	0.008	0.00621037	0.003	0.00971622	0.005	0	0.279
09/06/95	19:24:36	0	0.007	0	0.008	0.00619753	0.003	0.00959618	0.005	0	0.186
09/06/95	19:29:35	0	0.007	0	0.009	0.00648885	0.003	0.00938387	0.005	0	0.172
09/06/95	19:34:36	0	0.007	0	800,0	0.00628563	0.003	0.00927879	0.005	0	0.18
09/06/95	19:39:36	0	0.007	0	0.008	0.00637938	0.003	0.00897101	0.005	0	0.29
09/06/95	19:44:35	0	0.007	0	0.008	0.00617653	0.002	0.0088663	0.005	0	0.17
09/06/95	19:49:36	0	0.007	0	0.008	0.0059818	0.002	0.00847422	0.005	0	0.248
09/06/95	19:54:36	0	0.007	0	0.008	0.00627022	0.002	0.00836029	0.005	0	0.254
09/06/95	19:59:36	0	0.007	0	0.008	0.00596938	0.002	0.00795917	0.004	O	0.191
09/06/95	20:04:35	- 01	0.007	0	0.008	0.00567091	0.002	0.00746172	0.004	0	0.320
09/06/95	20:09:36	0	0.007	0	0.008	0.0055672	0.002	0.00735666	0.004	0	0.224
09/06/95	20:14:36	0	0.007	0	0.008	0.00546468	0.002	0.00715377	0.004	0	0.42
09/06/95	20:19:36	0	0.007	0	800.0	0.00555877	0.002	0.00714699	0.004	0	0.2
09/06/95	20:24:35	0	0.007	0	800.0	0.00536533	0.002	0.00695505	0.004	ō	0.20
09/06/95	20:29:36	0	0.006	0	0.008	0.00527295	0.002	0.00696427	0.004	0	0.16
09/06/95	20:34:36	0	0.006	0	0.007	0.00477912	0.002	0.00686998	0.004	0	0.17
09/06/95	20:39:36		0.006	- 0	0.007	0.00417312	0.002	0.00648028	0.004	0	0.154
09/06/95	20:44:37	0	0.006	0	0.007	0.00418720	0.002	0.00658247	0.004	0	0.153
09/06/95	20:49:36	- 0	0.006	0	0.007	0.00408462	0.002	0.00647562	0.004	0	0.13
09/06/95	20:54:35	0	0.006	0		0.00406462	0.002	0.00636756	0.004	0	0.20
09/06/95	20:59:35	0	0.006	0	0.007		0.002		0.004	0	
09/06/95	21:04:36	0	0.006		0.007	0.00427416 0.00417713	0.002	0.00616274	0.004	0	0.24
09/06/95	21:09:36	0	0.006	0					0.004		†
09/06/95	21:09:36				0.007	0.00417476	0.002	0.00646094		0	0.15
	21:14:37	0	0.006	0	0.007	0.00407459	0.002	0.0060622	0.004	0	0.16
09/06/95 09/06/95		0	0.006	0	0.007	0.00427416	0.002	0.00606334	0.004	0	0.20
	21:24:36	0	0.006	0	0.007	0.00436461	0.002	0.00595174	0.004	0	0.26
09/06/95	21:29:36	0	0.006	0	0.007	0.00435716	0.002	0.00574353	0.004	0	0.23
09/06/95	21:34:36	0	0.006	0	0.007	0.00464717	0.002	0.00563593	0.004	0	0.25
09/06/95	21:39:35	0	0.006	0	0.007	0.00464187	0.002	0.00553074	0.004	0	0.29
09/06/95	21:44:35	0	0.006	0	0.007	0.00483386	0.002	0.00542576	0.004	0	0.19
09/06/95	21:49:36	0	0.006	0	0.007	0.00512884	0.002	0.00542473	0.004	0	0.26
09/06/95	21:54:36	- 0	0.006	0	0.007	0.00502445	0.002	0.00541852	0.004	0	0.23
09/06/95	21:59:35	0	0.006	0	800.0	0.00541542	0.002	0.00531696	0.004	0	0.17
09/06/95	22:04:35	0	0.006	0	0.007	0.0052155	0.002	0.0052155	0.004	0	0.18
09/06/95	22:09:36	0	0.006	0	0.007	0.00501773	0.002	0.00491935	0.004	0	0.23
09/06/95	22:14:36	0	0.006	0	0.007	0.00501582	0.002	0.00491747	0.004	0	0.31
09/06/95	22:19:36	0	0.006	0	0.007	0.00491653	0.002	0.0045232	0.004	0	0.28
09/06/95	22:24:37	0	0.006	. 0	0.007	0.00481543	0.002	0.00452061	0.004	0	0.27
09/06/95	22:29:37	0	0.006	0	0.007	0.00510536	0.002	0.00451628	0.004	0	0.27
09/06/95	22:34:36	0	0.006	0	0.007	0.00519955	0.002	0.00461093	0.004	0	0.22
	22:39:37	0	0.006	0	0.008		0.002	0.00509949	0.004	0	0.16

Site: Chick	en processing					·			i -		
in ppm	"upwind" data						-				-
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% ČI	ppm	95% CI
09/06/95	22:44:37	0	0.006	0	0.007	0.00509949	0.002	0.00431496	0.004	0	0.164
09/06/95	22:49:35	0	0.007	0	0.008	0.00588177	0.002	0.00499951	0.004	0	0.241
09/06/95	22:54:36	0	0.007	0	0.008	0.00597636	0.002	0.00489866	0.004	0	0.159
09/06/95	22:59:36	0	0.006	0	0.008	0.00519158	0.002	0.0045059	0.004	0	0.179
09/06/95	23:04:37	0	0.006	0	0.007	0.00538645	0.002	0.00460297	0.004	0	0.209
09/06/95	23:09:36	0	0.006	0	0.008	0.00547912	0.002	0.00440287	0.004	0	0.211
09/06/95	23:14:36	0	0.006	0	0.008	0.00557482	0.002	0.00449898	0.004	0	0.183
09/06/95	23:19:36	0	0.006	0	0.008	0.00557267	0.002	0.00449725	0.004	0	0.205
09/06/95	23:24:36	0	0.007	0	0.009	0.00537611	0.003	0.00547386	0.005	0	0.192
09/06/95	23:29:37	0	0.007	0	0.009	0.0069374	0.003	0.00547175	0.005	0	0.249
09/06/95	23:34:36	0	0.006	ō	0.008	0.00410302	0.002	0.00488455	0.004	0	0.192
09/06/95	23:39:36	0	0.007	ō	0.008	0.0065453	0.002	0.00498224	0.004	0	0.212
09/06/95	23:44:36	0	0.007	0	0.008	0.00605218	0.002	0.00478317	0.004	0	0.252
09/06/95	23:49:36	0	0.007	0	0.008	0.00575933	0.002	0.00449032	0.004	ō	0.344
09/06/95	23:54:35		0.006	0	0.008	0.00565953	0.002	0.00429344	0.004	0	0.343
09/06/95	23:59:36		0.007	0	0.008	0.00477949	0.002	0.00477949	0.004	-0	0.197
09/07/95	00:04:36		0.006	0	0.007	0.00477343	0.002	0.00477349	0.004	-0	0.323
09/07/95	00:09:36	0	0.006	0	0.007	0.0047758	0.002	0	0.004	0	0.209
09/07/95	00:03:35	0	0.006	0	0.007	0.0039007	0.002	0	0.004	0	0.155
09/07/95	00:19:36	0	0.006		0.007	0.00380171	0.002	0	0.004	0	0.133
09/07/95	00:24:36	0	0.006	0	0.007	0.00457645	0.002	0	0.004	0	0.203
09/07/95	00:29:36	0	0.006	Ö	0.007	0.00437645	0.002	0	0.004	0	0.245
09/07/95	ŪŪ:34:35	U	0.006	0	0.007	0.00467111	0.002	0	0.004	0	0.166
09/07/95	00:39:35		0.006	- 6	0.007	0.00428166	0.002	0	0.004	0	0.100
09/07/95	00:44:37		0.006	0	0.007	0.0035991	0.002	0	0.004	0	0.213
09/07/95	00:49:36		0.006	0	0.007	0.0033951	0.002	0	0.004	0	0.165
09/07/95	00:54:36		0.005	0	0.006	0.00340433	0.002	0	0.004	0	0.185
09/07/95	00:59:35	- 0	0.005	0	0.006	0.00321001	0.002	0	0.003	0	0.157
09/07/95	01:04:37		0.005	0	0.006	0.00204264	0.002	0	0.003	- 0	0.137
09/07/95	01:09:35	- 0	0.005	0	0.006	0.00262625	0.002	0	0.003	- 6	0.188
09/07/95	01:14:36		0.005	0	0.006	0.00262625	0.002	- 0	0.003	0	0.168
09/07/95	01:19:36	- 0	0.005	0	0.007	0.00320676	0.002	0	0.003	0	0.265
09/07/95	01:24:36		0.005	0	0.006	0.00320878	0.002		0.003	0	
09/07/95	01:29:36	0	0.005	0				0	0.003	0	0.178
09/07/95	01:34:35	0	0.005	0	0.007	0.00330186	0.002	0	0.003	0	0.189
09/07/95	01:39:36	0	0.005								0.161
09/07/95	01:44:36	0	0.005	0	0.006	0.00223361	0.002	0	0.003	0	0.175
09/07/95	01:49:36	0	0.005	0	0.006	0.00232982	0.002		0.003	0	0.372
09/07/95	01:54:36	0	0.005		0.006		0.002	0	}	0	
09/07/95	01:59:35	0	0.005	. 0	0.006	0	0.002	0	0.003	<u> </u>	0.159
09/07/95	02:04:36	0	0.005		0.006	0		0	0.003	0	0.167
09/07/95	02:09:36				0.007	0	0.002	0	0.004		0.162
09/07/95	02:09:36	0	0.007	0.02370951	0.009	0	0.003	0	0.005	0	0.174
09/07/95	02:14:36	0	0.005	0	0.006	0.00174567	0.002	0	0.003	0	0.323
09/07/95	02:19:37	- 0	0.005	0	0.006	0.00174567	0.002	0	0.003	0	0.261
09/07/95	02:29:38			0	0.006	0.00465332	0.002	0	0.004	0	0.165
09/07/95	02:29:38	0	0.005	0	0.006	0.00281084	0.002	0	0.003	0	0.227
09/07/95	02:34:38	0	0.005	0	0.006	0.00193926	0.002	0	0.003	0	0.194
09/07/95	02:39:37	0	0.005	0	0.006	0.00222961	0.002	0	0.003	0	0.216
09/07/95		0	0.005	0	0.006	0	0.002	0	0.003	0	0.16
09/07/95	02:49:37 02:54:37	0	0.005	0	0.006	0	0.002	0	0.003	0	0.159
		0	0.005	0	0.006	0	0.002	0	0.003	0	0.246
09/07/95	02:59:36	0	0.005	0	0.006	0	0.002	0	0.003	0	0.182
09/07/95	03:04:38	0	0.005	0	0.006	0	0.002	0	0.003	0	0.158
09/07/95	03:09:38	0	0.005	0.00649497	0.007	0	0.002	0	0.004	0	0.169
09/07/95	03:14:37	0	0.005	0	0.006	0	0.002	0	0.003	0	0.283
09/07/95	03:19:36	0	0.005	0	0.006	0	0.002	0	0.003	0	0.216
09/07/95	03:24:37	0	0.005	0	0.006		0.002	0	0.003	0	0.162
09/07/95	03:29:38	0	0.005	0	0.006	0	0.002	0	0.003	0	0.164
09/07/95	03:34:37	0	0.005	0	0.006	0	0.002	0	0.003	0	0.172
09/07/95	03:39:36	0	0.005	0	0.006	0	0.002	. 0	0.003	0	0.155
09/07/95	03:44:37	0	0.005	0	0.006	0	0.002	0	0.003	0	0.158
09/07/95	03:49:38	0	0.005	0	0.006	0	0.002	0	0.003	0	0.221

Site: Chick	cen processing										
in ppm	"upwind" data								_		
Date	Time	CL3F		CCL4	 	TCFM		CL2F2		нсс	
Date	111118		95% CI		95% CI		95% CI	ppm	95% CI	ppm	95% CI
09/07/95	03:54:37	ppm 0	0.005	ppm 0	0.006	ppm 0	0.002	ррпп	0.003	0	0.174
09/07/95	03:59:37	- 0	0.005	0	0.006	0	0.002	0	0.003	0	0.171
09/07/95	03:55:37	- 0	0.005	0	0.006		0.002	- 0	0.003	0	0.175
	04:04:38	0	0.005	0	0.006	0	0.002	0	0.003	0	0.261
09/07/95	04:09.38	0	0.005	0	0.006	0	0.002	0	0.003	0	0.201
							0.002	0			0.133
09/07/95	04:19:37	0	0.005	0	0.006	0	0.002	0	0.003	0	
09/07/95	04:24:37	0	0.005	0	0.006	0		0	0.003	0	0.164
09/07/95	04:29:37	0	0.005		0.006		0.002		0.003		0.173
09/07/95	04:34:39	0	0.005	0	0.006	0	0.002	0	0.003	0	
09/07/95	04:39:38	0	0.006	0.01267326	0.007	0		0	0.004	0	0.161
09/07/95	04:44:38	0	0.007	0.01867129	0.008	0	0.002	0	0.004	0	0.165
09/07/95	04:49:37	0	0.006	0.01625273	0.008	0	0.002		0.004	0	0.21
09/07/95	04:54:36	0	0.007	0.01982926	0.008	0	0.002	0	0.004	0	0.19
09/07/95	04:59:38	0	0.006	0.01488162	0.007	0	0.002	0	0.004	0	0.264
09/07/95	05:04:37	0	0.006	0.01120516	0.007	0	0.002	0	0.004	0	0.175
09/07/95	05:09:37	0	0.006	0.01458603	0.007	0	0.002	0	0.004	0	0.176
09/07/95	05:14:36	0	0.006	0.01564553	0.007	0	0.002	0	0.004	0	0.19
09/07/95	05:19:36	0	0.006	0.01332705	0.007	0	0.002	0	0.004	0	0.227
09/07/95	05:24:38	0	0.006	0.01361677	0.007	0	0.002	0	0.004	0	0.174
09/07/95	05:29:38	0	0.006	0.01487802	0.007	0	0.002	0	0.004	0	0.182
09/07/95	05:34:37	0	0.006	0.01719077	0.008	0	0.002	0	0.004	0	0.181
09/07/95	05:39:37	0	0.007	0.01969794	0.008	0	0.002	0	0.004	0	0.235
09/07/95	05:44:37	0	0.006	0.01631521	0.007	0	0.002	0	0.004	0	0.205
09/07/95	05:49:37	0	0.006_	0.01592905	0.007	0	0.002	0	0.004	0	0.252
09/07/95	05:54:37	0	0.006	0.01456896	0.007	0	0.002	0	0.004	0	0.248
09/07/95	05:59:39	0	0.006	0.01292117	0.007	0	0.002	0	0.004	0	0.248
09/07/95	06:04:39	0.	0.005	0.0095481	0.006	0	0.002	0	0.004	0	0.159
09/07/95	06:09:38	0	0.005	0.01041408	0.007	0	0.002	0	0.004	. 0	0.158
09/07/95	06:14:37	0	0.005	0.01012282	0.006	0	0.002	0	0.004	0	0.166
09/07/95	06:19:37	0	0.005	. 0	0.006	0	0.002	0	0.003	0	0.157
09/07/95	06:24:38	0	0.005	0.0096389	0.006	0	0.002	0	0.004	0	0.284
09/07/95	06:29:37	0	0.005	0.00915337	0.006	0	0.002	0	0.004	0	0.261
09/07/95	06:34:38	0	0.006	0.01060071	0.007	0	0.002	0	0.004	٥	0.184
09/07/95	06:39:39	0	0.006	0.0150308	0.007	0	0.002	0	0.004	0	0.445
09/07/95	06:44:37	0	0.006	0.01581706	0.007	0	0.002	0	0.004	0	0.156
Run 22											
09/07/95	12:22:11	0.02825635	0.005	0.01791617	0.006	0	0.002	0	0.003	0	0.142
09/07/95	12:27:11	0.02721252	0.005	0.01667534	0.006	0	0.002	0	0.003	0	0.138
09/07/95	12:32:11	0.0251011	0.005	0.01444594	0.006	0	0.002	. 0	0.003	0	0.14
09/07/95	12:37:12	0.02569217	0.005	0.01525153	0.006	0	0.002	0	0.003	0	0.138
09/07/95	12:42:11	0.02685335	0.005	0.01598902	0.006	0	0.002	0	0.003	0	0.142
09/07/95	12:47:11	0.02368852	0.005	0.01425413	0.006	0	0.002	0	0.003	0	0.139
09/07/95	12:52:10	0.02460241	0.005	0.01527399	0.006	0	0.002	0	0.003	0	0.134
09/07/95	12:57:11	0.02452242	0.005	0.01518543	0.006	0	0.002	0	0.003	. 0	0.133
Run 23								-			
09/07/95	16:47:44	0	0.005	0	0.006	0.0081538	0.002	0.00918593	0.004	0	0.177
09/07/95	16:52:45	0	0.005	0	0.006	0.00793865	0.002	0.00866035	0.004	. 0	0.178
09/07/95	16:57:45	0	0.005	0	0.006	0.00792138	0.002	0.00833288	0.004	0	0.183
09/07/95	17:02:44	0	0.005	0	0.006	0.00802996	0.002	0.00833881	0.004	0	0.18
09/07/95	17:07:45	0	0.005	0	0.006	0.00762795	0.002	0.0084526	0.004	0	0.179
09/07/95	17:12:45	0	0.006	0	0.007	0.00815529	0.002	0.00887791	0.004	0	0.183
09/07/95	17:17:45	0	0.005	0	0.007	0.00846654	0.002	0.00877629	0.004	0	0.181
09/07/95	17:22:45	0	0.005	0	0.007	0.00805059	0.002	0.00866986	0.004	0	0.184
09/07/95	17:27:44	0	0.006	Ö	0.007	0.0083434	0.002	0.0083434	0.004	0	0.184
09/07/95	17:32:45	0	0.006	0	0.007	0.00792847	0.002	0.00823737	0.004	0	0.185
09/07/95	17:37:45	0	0.005	0	0.007	0.00803144	0.002	0.00844331	0.004	0	0.183
09/07/95	17:42:44	0	0.006	Ö	0.007	0.0081344	0.002	0.00844331	0.004	0	0.18
09/07/95	17:47:45	0	0.006	0	0.007	0.00843246	0.002	0.00822679	0.004	0	0.179
09/07/95	17:52:45	0	0.005	00	0.006	0.0080005	0.002	0.00022079	0.004		0.179
09/07/95	17:57:44		0.005	0	0.007	0.00817412	0.002	0.00725453		0	
09/07/95									0.004	0	0.186
	18:02:44	0.00040391	0.006	0	0.007	0.00794473	0.002	0.00651875	0.004	0	0.186
09/07/95	18:07:45	0.00640381	0.006	0	0.007	0.00772524	0.002	0.00609887	0.004	0	0.188

Site: Chick	en processing								<u> </u>		
in ppm	"upwind" data				_						_
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
	1,1,1,1,2	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	18:12:45	0	0.005	0	0.006	0.0063943	0.002	0.00588681	0.004	0	0.193
09/07/95	18:17:44	0	0.006	0	0.007	0.00679756	0.002	0.00588446	0.004	0	0.193
09/07/95	18:22:45	0	0.006	0	0.007	0.00710854	0.002	0.00528063	0.004	0	0.194
09/07/95	18:27:45	0	0.005	0	0.007	0.00630199	0.002	0.00528554	0.004	0	0.197
09/07/95	18:32:44	0	0.005	0	0.007	0.00650045	0.002	0.0049769	0.004	0	0.197
09/07/95	18:37:45	0.00679503	0.005	0	0.007	0.00598369	0.002	0.00446241	0.004	ó	0.199
09/07/95	18:42:45	0.0058671	0.005	0	0.006	0.00526016	0.002	0.00424859	0.004	ō	0.201
09/07/95	18:47:44	0	0.005	0	0.006	0.00504841	0.002	0.00363485	0.003	ō	0.2
09/07/95	18:52:44	0.00705455	0.005	0	0.006	0.00453507	0.002	0.00372884	0.003	0	0.203
09/07/95	18:57:45	0.00724524	0.005	0	0.006	0.00422639	0.002	0.00352199	0.003	0	0.204
09/07/95	19:02:44	0.00733874	0.005	0	0.006	0.00412176	0.002	0.00371964	0.003	0	0.201
09/07/95	19:07:44	0.00793148	0.005	0	0.006	0.00401594	0.002	0.00361435	0.003	0	0.201
09/07/95	19:12:45	0.0098298	0.005	0	0.006	0.00381155	0.002	0	0.003	0	0.202
09/07/95	19:17:44	0.0097185	0.005	0	0.006	0.00370706	0.002	0	0.003	0	0.202
09/07/95	19:22:44	0.01121078	0.005	0	0.006	0.00350337	0.002	0	0.003	0	0.203
09/07/95	19:27:45	0.01280024	0.005	0	0.006	0.00350006	0.002	0	0.003	0	0.203
09/07/95	19:32:44	0.01428676	0.005	0	0.006	0.00309713	0.002	0	0.003	0	0.206
09/07/95	19:37:44	0.01387663	0.005	Ö	0.006	0.00279529	0.002	_	0.003	0	0.208
09/07/95	19:42:45	0.01536247	0.005	Ö	0.006	0.00279318	0.002	_	0.003	0	0.21
09/07/95	19:47:45	0.01564692	0.005	0	0.006	0.00249155	0.002	0	0.004	Ö	0.211
09/07/95	19:52:44	0.01653133	0.005	0	0.006	0.00248966	0.002	0	0.004	0	0.213
09/07/95	19:57:45	0.02089404	0.005	Ū	0.006	0.0022884	0.002	0	0.004	0	0.213
09/07/95	20:02:45	0.02008664	0.005	0	0.007	0.00288373	0.002	0	0.004	0	0.215
09/07/95	20:07:44	0.01937952	0.005	0	0.006	0.00188826	0.002	0	0.004	0	0.215
09/07/95	20:12:44	0.0194715	0.005	0	0.006	0.00188754	0.002	0	0.004	0	0.217
09/07/95	20:17:45	0.02035399	0.005	0	0.007	0.00100754	0.002	0	0.004	0	0.219
09/07/95	20:22:45	0.02033333	0.005	0	0.007	0.00218308	0.002	0	0.004	0	0.213
09/07/95	20:27:46	0.0211169	0.006	0	0.007	0.00210300	0.002	0	0.004	0	0.222
09/07/95	20:32:46	0.02170348	0.005	0	0.007	0	0.002		0.004	0	0.222
09/07/95	20:37:45	0.02209568	0.006	0	0.007	0	0.002	0	0.004	Ö	0.222
09/07/95	20:42:45	0.0229743	0.006	Ö	0.007	0	0.002	0	0.004	ō	0.224
09/07/95	20:47:46	0.02316352	0.006		0.007	0	0.002	0	0.004	0	0.225
09/07/95	20:52:46	0.02374839	0.006	0	0.007	0	0.002	0	0.004	0	0.228
09/07/95	20:57:45	0.02433282	0.006	0	0.007	0	0.002		0.004		0.227
09/07/95	21:02:45	0.02510975	0.006	0	0.007	0	0.002	0	0.004	ŏ	0.23
09/07/95	21:07:46	0.0252978	0.006	0.00681855	0.007	- 0	0.002	- 0	0.004	ŏ	0.234
09/07/95	21:12:46	0.0251807	0.006	0.00691235	0.007	- 0	0.002	- 0	0.004	0	0.234
09/07/95	21:17:45	0.0263556	0.006	0.0077981	0.007	0	0.002	0	0.004	0	0.236
09/07/95	21:22:45	0.02684401	0.006	0.00769792	0.007	0	0.002	0	0.004	0	0.241
09/07/95	21:27:46	0.02712971	0.006	0.00779363	0.007	0	0.002	- 0	0.004	0	0.243
09/07/95	21:32:46	0.02671976	0.006	0.007788775	0.007	0	0.002	0	0.004	0	0.243
09/07/95	21:37:46								1		0.245
09/07/95	21:42:46	0.027498	0.006	0.00887032	0.007	0	0.002	0	0.004	0	0.252
09/07/95	21:47:47	0.02788156	0.006	0.0082758	0.007		0.002	0	0.004	0	0.252
09/07/95	21:52:45	0.02768138	0.006	0.00827421	0.007	0	0.002	0	0.004	0	0.252
09/07/95	21:57:46	0.02815554	0.006	0.00827421	0.007	0	0.002	0	0.004	1 0	0.251
09/07/95	22:02:46	0.02893756	0.006	0.00876001	0.007	0	0.002	0	0.004	0	0.254
09/07/95	22:07:46	0.02902486	0.006	0.0092486	0.007	0	0.002	0	0.004	0	0.258
09/07/95	22:12:46	0.02960951	0.006	0.00954194	0.007	0	0.002	0	0.004	0	0.262
09/07/95	22:17:45	0.02969649		0.00954194		0	0.002	0	0.004	0	0.263
09/07/95	22:22:46	0.0294885	0.006	0.00963661	0.007	0	0.002	0	0.004	0	0.263
09/07/95	22:27:47	0.02987595	0.006			0	0.002	0	+	0	0.261
09/07/95	22:32:45			0.00982761	0.007	 		0	+	0	+
09/07/95	22:37:46	0.03015919	0.006	0.01011856	0.007	0	0.002	0		0	0.266
09/07/95	22:42:47	0.03144233	0.006	0.01120133	0.007	0	0.002		0.004		0.266
09/07/95		0.031731	0.006	0.01119918	0.007	<u> </u>	0.002	0		0	0.268
09/07/95	22:47:47	0.03171882	0.006	0.01090027	0.007	0	0.002	0	0.004	0	0.267
09/07/95	22:52:45	0.03200727	0.006	0.01168363	0.007	0	0.002	0	0.004	0	0.264
09/07/95	22:57:45	0.03239999	0.006	0.01207636	0.007		0.002	0	+	0	0.27
09/07/95	23:02:46	0.03171272	0.006	0.01089818	0.007	0	0.002	0	+	0	0.298
09/07/95	23:07:46	0.03199497	0.006	0.01177729	0.007	0	0.002	0		0	0.277
	23:12:45	0.03297007	0.006	0.01187315	0.007	0	0.002	0	+	0	0.28
09/07/95	23:17:45	0.03256504	0.006	0.01226093	0.007	0	0.002	0	0.004	0	0.281

Site: Chic	ken processing										
in ppm	"upwind" data						•	<u> </u>	Ī		
Date	Time	CL3F		CCL4		TCFM		CL2F2	{	HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
09/07/95	23:22:46	0.03236264	0.006	0.0118663	0.007	0	0.002	0	0.004	0	0.28
09/07/95	23:27:46	0.03255251	0.006	0.01186402	0.007	0	0.002	0	0.004	0	0.281
09/07/95	23:32:46	0.0330364	0.006	0.01186173	0.007	0	0.002	0	0.004	0	0.283
09/07/95	23:37:45	0.03332408	0.006	0.01244752	0.007	0	0.002	0	0.004	0	0.283
09/07/95	23:42:46	0.03341566	0.006	0.01234713	0.007	0	0.002	0	0.004	0	0.281
09/07/95	• 23:47:46	0.03253372	0.006	0.01234713	0.007	0	0.002	0	0.004	0	0.278
09/07/95	23:52:46	0.03320688	0.006	0.01253829	0.007	0	0.002	0	0.004	. 0_	0.279
09/07/95	23:57:45	0.0335987	0.006	0.01312602	0.007	0	0.002	0	0.004	0	0.282
09/08/95	00:02:45	0.03457159	0.006	0.01351524	0.007	0	0.002	0	0.004	0	0.283
09/08/95	00:07:46	0.03348138	0.006	0.01204155	0.007	0	0.002	0	0.004	0	0.284
09/08/95	00:12:46	0.03347493	0.006	0.01203923	0.007	0	0.002	0	0.004	0	0.284

Number N			town in SW U	.S.								
100496 10-44-50 13728-832 274-9 390-09 15 0.00063186 0.0002 27218 0.185 0.000490 0.0450 13945-3075 2917 26-6 14-25 0.00063186 0.0002 2788 0.185 0.000490 0.040490 10-55 13265-7080 391-45 301-5 391-45 301-5 301-45 301-5 301-45 301-5 301-45 301-	Upwind da	ata in ppm									_	
Number N	Date	Time	H2O	<u> </u>	CO2		SF6		CH4		NH3	
1004095 10-4450 13728-832 274.9 390.0 15.8 0.00063186 0.0002 27216 0.185 0.0004090 0.004095 0.05450 0.3346.3507 291.7 2625.8 14.28 0.00026855 0.0002 2.5960 0.175 0.004090 0.004095 0.05450 13002.866 391.5 223.3 13.7 0.00042124 0.0002 2.590 0.175 0.004090 0.004095 1.00451 13022.6574 392.5 30.005 13.94 0.00026855 0.0002 2.5960 0.175 0.004090 0.004095 1.00466 1.00466 1.00			ppm _	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
1000495												
1000499				$\overline{}$						-		0.006
1000496										-		0.005
1000495 113945 13225.6574 392.5 430.09 1334 0.00032655 0.0002 2.4937 0.163 0.0004095 113955 13394 6773 347.8 4229 13.77 0.00032655 0.0002 2.4947 0.163 0.000100495 111455 13680.4784 348.3 429.04 13.75 0.00042124 0.0002 2.5329 0.173 0.00 0.0004095 11.1955 13680.4898 359.9 417.24 17.16 0.00 0.0002 2.5329 0.173 0.00 0.0004095 11.2955 13680.4898 359.9 417.24 17.16 0.00 0.0002 2.5329 0.173 0.00 0.000100495 11.2955 13460.03848 358.8 419.66 17.05 0.00031593 0.0002 2.4523 0.152 0.00 0.000495 11.3955 13616.2034 342.1 425.56 16.25 0.00031593 0.0002 2.4523 0.152 0.00 0.000495 11.3955 13612.0324 342.1 425.56 16.25 0.00031593 0.0002 2.4523 0.152 0.00 0.000495 11.3955 13612.0324 342.1 425.56 16.25 0.00021692 0.0002 2.5322 0.152 0.00 0.000495 11.3955 13612.0324 342.1 425.56 16.25 0.00021692 0.0002 2.5322 0.162 0.00 0.000495 11.3955 13394.8735 362.8 419.55 16.86 0.0002 0.0002 2.5322 0.162 0.00 0.000495 11.3955 13394.87055 382.9 435.5 16.86 0.00002 0.0002 2.4597 0.153 0.000495 0.000495 11.3955 13394.87055 382.9 436.9 15.75 0.00031692 0.0002 2.4597 0.157 0.000495 0.000495 11.3955 13448.7055 382.9 436.9 15.75 0.00031692 0.0002 2.4597 0.157 0.000495 12.1955 1326.2 3398 41.61 0.00031693 0.0002 2.4597 0.156 0.000495 12.1955 1322.4 936 31.5 44.73 16.03 0.00031692 0.0002 2.4991 0.156 0.000495 12.1955 1322.4 936 31.5 44.73 16.03 0.0002474 0.0002 2.4592 0.154 0.000495 12.2455 13268.6 364.1 41.4073 14.88 0.00041743 0.0002 2.4592 0.154 0.000495 12.3955 1326.3 34.1 34.5 3										$\overline{}$		0.005
1000495 11-95.0 1384-8713 347.8 422.93 137.1 0.00032655 0.0002 2.497 0.183 0.164 0 0.00 0.0004951 11-95.0 1388-0.498 345.3 499.0 13.75 0.00042124 0.0002 2.5230 0.18 0 0.00 0.0004951 11-95.1 13860.4989 359.5 417.24 17.18 0 0 0.0002 2.5308 0.18 0 0.00 0.0004951 11-95.5 13860.6989 359.8 419.66 17.05 0 0.0002 2.5318 0.173 0 0.00 0.000495 11-95.5 13600.4986 356.8 419.66 17.05 0 0.0002 2.5318 0.173 0 0.00 0.000495 11-95.5 13612.0424 342.1 425.5 61.62.5 0.00021052 0.0002 2.4593 0.152 0 0.00 0.000495 11-95.5 13612.0424 342.1 425.5 61.62.5 0.00021052 0.0002 2.4593 0.152 0 0.00 0.000495 11-95.5 13612.0437 361.2 417.47 18.22 0 0 0.0002 2.4593 0.152 0 0.00 0.00 0.00495 11-95.5 13642.0353 362.3 486.1 17.76 0 0.0002 2.5308 0.162 0 0.00 0.00495 11-95.5 13642.0353 362.3 486.1 17.76 0 0.0002 2.5308 0.162 0 0.00 0.00495 11-95.5 13446.7227 354.6 434.09 157.3 0.00021062 0.0002 2.4190 0.156 0 0.00 0.00495 11-95.5 13466.7227 354.6 434.09 157.3 0.00021062 0.0002 2.4190 0.156 0 0.00 0.00495 12-95.5 13512.24936 381.5 443.73 16.03 0.00021062 0.0002 2.4693 0.154 0 0.00 0.00495 12-95.5 13512.24936 381.5 443.73 16.03 0.00021245 0.0002 2.4693 0.154 0 0.00 0.00495 12-95.5 13262.471 354.6 443.67 16.03 0.000252.46 0.0002 2.4595 0.144 0 0.00 0.00495 12-95.5 13252.24936 381.5 443.67 16.03 0.000252.46 0.0002 2.4595 0.144 0 0.00 0.00495 12-95.5 13252.24936 381.5 443.67 15.5 0.00042124 0.0002 2.4585 0.149 0 0.00 0.00495 12-95.5 13252.24936 381.5 443.67 15.5 0.00042124 0.0002 2.4595 0.144 0 0.00 0.00495 12-95.5 13252.24936 381.1 443.67 15.5 0.00042124 0.0002 2.4585 0.149 0 0.00 0.00495 12-9						-						0.005
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10/04/95 13:24:52 11759.8861 374.2 443.04 14.11 0.0020009 0.0002 2.4025 0.132 0 0.000 0.004/95 13:29:51 11794.8006 374 438.72 14.19 0.00579209 0.0002 2.5000 0.132 0 0.000 0.004/95 13:39:52 11794.8006 382.9 445.78 14.16 0.0058974 0.0002 2.6082 0.123 0 0.000 0.004/95 13:345:51 11653.263 361 447.57 13.93 0.0020009 0.0002 2.3495 0.113 0 0.000 0.004/95 13:345:51 11497.2979 355.9 445.99 13.37 0.00063186 0.0002 2.3495 0.115 0 0.000 0.004/95 13:54:52 12021.7452 371.4 449.89 15.08 0.00358056 0.0002 2.5223 0.119 0 0.000 0.004/95 13:59:51 11708.7618 362.2 437.78 16.32 0.00315932 0.0002 2.4808 0.113 0 0.000 0.004/95 14:04:50 11774.0544 356 450.94 13.46 0.00242215 0.0002 2.4205 0.115 0 0.000 0.004/95 14:09:50 12024.0621 355.3 460.63 12.91 0.00516023 0.0002 2.5213 0.117 0 0.000 0.004/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0002 2.5361 0.117 0 0.000 0.004/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0001 2.5201 0.116 0 0.000 0.004/95 14:49:59 12159.3574 352.3 456.92 12.45 0.00147597 0.0001 2.5335 0.139 0 0.000 0.004/95 14:59:58 12084.6166 359.9 458.56 12.76 0.00578527 0.0002 2.4806 0.121 0 0.000 0.004/95 14:59:58 12084.6166 359.9 458.56 12.76 0.00578527 0.0002 2.5351 0.134 0 0.000 0.004/95 15:04:59 12084.6166 359.9 458.56 12.76 0.00578527 0.0002 2.4806 0.121 0 0.000 0.004/95 15:04:59 13094.1304 357.8 461.28 12.45 0.00673482 0.0002 2.4809 0.152 0.000 0.004/95 15:04:59 13094.1304 357.8 461.28 12.45 0.00633012 0.0002 2.4809 0.152 0.000 0.004/95 15:04:59 13394.3048 368.9 475.60 12.31 0.00633012 0.0002 2.4809 0.155 0.000 0.004/95 15:24:59 13394.304859 361.6 463.76 13.37 0.00633012 0.0002 2.4809 0.1	10/04/95	13:14:51		363.9							0	0.005
10/04/95	10/04/95	13:19:52	11733.5098	364.5	457.36	15.5	0.00800361	0.0002	2.5286	0.128	0	0.005
10/04/95	10/04/95	13:24:52	11750.8861	374.2	443.04	14.11	0.0020009	0.0002	2.4025	0.132	0	0.005
10/04/95	10/04/95	13:29:51	11794.906	374	438.72	14.19	0.00579209	0.0002	2.5000	0.132	0	0.005
10/04/95	10/04/95	13:34:52	11317.3218	383.8	440.62	13.64	0.00368588	0.0002	2.4311	0.123	0	0.005
10/04/95 13:49:51 11497.2979 355.9 445.99 13.37 0.00063186 0.0002 2.2435 0.115 0 0.0000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.000004 0.0000000000	10/04/95	13:39:52	11794.8006	382.9			0.0058974	0.0002	2.6082	0.123	0	0.005
10/04/95 13:54:52 12021.7452 371.4 449.89 15.08 0.00358056 0.0002 2.5223 0.119 0 0.00010/04/95 13:59:51 11708.7618 362.2 437.78 16.32 0.00315932 0.0002 2.4682 0.113 0 0.00010/04/95 14:05:50 11774.0544 356 450.94 13.46 0.00242215 0.0002 2.4205 0.115 0 0.00010/04/95 14:09:50 12024.0621 355.3 460.63 12.91 0.00516023 0.0002 2.514 0.121 0 0.00010/04/95 14:14:51 11815.8628 363.8 463.79 13.03 0.00505491 0.0002 2.5361 0.117 0 0.00010/04/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0001 2.5201 0.116 0 0.00010/04/95 14:45:06 11493.2839 344 454.12 12.72 0.00031616 0.0002 2.4806 0.121 0 0.00010/04/95 14:45:06 11493.2839 344 454.12 12.72 0.00031616 0.0002 2.4806 0.121 0 0.00010/04/95 14:59:58 12084.6166 359.9 458.56 12.76 0.00579527 0.0002 2.5335 0.139 0 0.00010/04/95 14:59:58 12084.6166 359.9 458.56 12.76 0.00579527 0.0002 2.4830 0.126 0 0.00010/04/95 15:04:58 12330.4851 344 468.24 13.35 0.00027153 0.0002 2.4830 0.126 0 0.00010/04/95 15:04:58 12330.4851 344 468.24 13.35 0.00674482 0.0002 2.4762 0.119 0 0.00010/04/95 15:19:58 12634.8569 361.6 463.76 13.37 0.0074922 0.0002 2.4762 0.119 0 0.00010/04/95 15:19:58 12852.6069 360.1 475.72 11.61 0.0042394 0.0001 2.4898 0.15 0 0.00010/04/95 15:19:58 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.4898 0.15 0 0.00010/04/95 15:24:59 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.4898 0.15 0 0.00010/04/95 15:35:00 13109.8396 370.9 455.13 13.93 0.00653055 0.0002 2.4884 0.154 0 0.00010/04/95 15:40:59 13356.593 374.1 463.77 10.97 0.0042193 0.0002 2.5770 0.155 0 0.0010/04/95 15:50:00 13638.2998 381.1 471.06 12.88 0.00401263 0.0002 2.5775 0.161 0 0.0010/04/95 1	10/04/95	13:44:51	11653.263	361	447.57	13.93	0.0020009	0.0002	2.3495	0.113	0	0.005
10/04/95	10/04/95	13:49:51	11497.2979	355.9	445.99	13.37	0.00063186	0.0002	2.2435	0.115	0	0.005
10/04/95 14:04:50 11774.0544 356 450.94 13.46 0.00242215 0.0002 2.4205 0.115 0 0.00010/04/95 14:09:50 12024.0621 355.3 460.63 12.91 0.00516023 0.0002 2.5414 0.121 0 0.00010/04/95 14:14:51 11815.8628 363.8 463.79 13.03 0.00505491 0.0002 2.5361 0.117 0 0.00010/04/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0001 2.5201 0.116 0 0.00010/04/95 14:45:06 11493.2839 344 454.12 12.72 0.00031616 0.0002 2.4806 0.121 0 0.00010/04/95 14:45:05 11493.2839 344 454.12 12.72 0.00031616 0.0002 2.4806 0.121 0 0.00010/04/95 14:54:59 12084.6166 359.9 456.92 12.45 0.00147597 0.0001 2.5335 0.139 0 0.00010/04/95 14:59:58 12081.8777 373.2 462.42 13.13 0.00221153 0.0002 2.4830 0.126 0 0.00010/04/95 15:04:58 12330.4851 344 468.24 13.35 0.00674482 0.0002 2.4830 0.126 0 0.00010/04/95 15:14:59 13194.1304 357.8 461.28 12.45 0.00580686 0.0001 2.4809 0.152 0 0.00010/04/95 15:14:59 13194.1304 357.8 461.28 12.45 0.00580686 0.0001 2.4809 0.152 0 0.00010/04/95 15:24:59 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.4809 0.152 0 0.00010/04/95 15:25:59 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.4809 0.152 0 0.00010/04/95 15:25:59 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.4809 0.152 0 0.00010/04/95 15:25:59:59 13536.5639 367.5 469.06 14.25 0.00717404 0.0002 2.5130 0.155 0 0.00010/04/95 15:25:50 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.5290 0.14 0 0.00010/04/95 15:25:59:59 13536.5639 367.5 469.06 14.25 0.00717404 0.0002 2.5884 0.155 0 0.00010/04/95 15:25:50 13384.2022 368.9 475.60 12.31 0.00633012 0.0001 2.5290 0.14 0 0.00010/04/95 15:25:50 13365.5639 367.5 469.06 14.25 0.00717404 0.0002 2.5180 0.155 0 0.00010/04/95 15:25:50 13364.5946 374.1 463.77 10.97 0.00421996 0.0001 2.5363 0.161 0 0.00010/04/95 15:55:00 13638.2998 381.1 471.06 12.88 0.00401263 0.0002 2.5770 0.155 0 0.00010/04/95 15:55:00 13638.2998 381.1 471.06 12.88 0.00401263 0.0002 2.5175 0.161 0 0.00010/04/95 15:55:00 13638.2998 381.1 471.06 12.88 0.00401263 0.0002 2.5175 0.161 0 0.00010/04/95 15:55:00 13638.2998 381.1 471.06 12.88 0.00401263 0.0002 2.5175	10/04/95	13:54:52	12021.7452	371.4			0.00358056	0.0002	2.5223	0.119	0	0.005
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10/04/95			11774.0544	356	450.94	13.46	0.00242215	0.0002	2.4205	0.115	0	0.005
Run 25 10/04/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0001 2.5201 0.116 0 0.0001			12024.0621			12.91				0.121	0	0.005
10/04/95 14:39:53 11813.6513 342.9 461.79 12.25 0.00242215 0.0001 2.5201 0.116 0 0.00 10/04/95 14:45:06 11493.2839 344 454.12 12.72 0.00031616 0.0002 2.4806 0.121 0 0.00 10/04/95 14:49:59 12159.3574 352:3 456.92 12.45 0.00147597 0.0001 2.5335 0.139 0 0.00 10/04/95 14:54:59 12084.6166 359.9 458.56 12.76 0.00579527 0.0002 2.5130 0.134 0 0.00 10/04/95 14:59:58 12081.8777 373.2 462.42 13.13 0.0021153 0.0002 2.4830 0.126 0 0.00 10/04/95 15:04:58 12330.4851 344 468.24 13.35 0.00674482 0.0002 2.3597 0.126 0 0.00 10/04/95 15:14:59 13194.1304 357.8 461.28 12.45 0.00580686		14:14:51	11815.8628	363.8	463.79	13.03	0.00505491	0.0002	2.5361	0.117	0	0.005
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10/04/95 15:59:59 13813.2941 426.6 459.41 15.84 0.01002608 0.0002 2.5681 0.174 0 0.00												0.005
	10/04/95	15:59:59	13813.2941	426.6	459.41	15.84	0.01002608	0.0002	2.5681	0.174	0	0.006

	Site: POT	W in small	town in SW U	.S.								
1966 1976												
1000495 16:05:00 13740.8436 384.6 499.05 14.9 0.00232055 0.0002 2.5590 0.162 0.0005 0.0005 0.0005 16:14:50 14162.6873 397.2 441.92 18.18 0.00982598 0.0002 2.5591 0.17 0.0005 0.0005 0.0005 16:14:50 14162.6873 387.2 441.92 18.18 0.00982598 0.0002 2.5438 0.17 0.0005 0.0005 0.1244.47 3.87 38.57 441.92 18.18 0.00982598 0.0002 2.5438 0.17 0.0005 0.0005 0.0005 0.1244.47 3.87	Date	Time	H2O				SF6		CH4		NH3	
1000495 17-3102 17-3103268 390.2 413.2 1818 0.00928998 0.0002 2.6391 0.112 0.005			ppm	95% CI	ppm	95% CI						95% CI
1000495 167:1459 14162.6873 367.2 441.92 18.18 0.09992598 0.0002 2.5491 0.17 0 0.006 0.006 0.007 0.007 0	10/04/95	16:05:00	13740.8436	364.6								
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10/04/95 20:14:54 12497.5215 295.9 408.19 21.31 0.03272958 0.0003 3.0616 0.188 0.04018695 0.007 10/04/95 20:19:54 12435.1832 294.9 406.28 19.11 0.01811879 0.0002 3.0510 0.191 0.02816177 0.007 10/04/95 20:24:55 12439.6438 291 405.81 18.52 0.0186295 0.0002 2.9453 0.19 0.01666306 0.006 10/04/95 20:29:55 12444.8737 290.2 402.48 18.76 0.01706747 0.0002 2.9991 0.194 0.0119895 0.007 10/04/95 20:39:54 12862.0639 297.6 401.43 21.26 0.03215154 0.0003 3.0859 0.207 0.03763074 0.007 10/04/95 20:34:55 12879.8408 302.1 397.78 18.97 0.00536978 0.0003 3.0859 0.207 0.03792966 0.008 10/04/95 20:45:55 13043.7391 305.3 397.80	10/04/95	20:04:53	12730.8235	285		27.95	0.11698494	0.0003	3.1861	0.191	0.07259704	0.01
10/04/95 20:19:54 12435,1832 294.9 406.28 19.11 0.01811879 0.0002 3.0510 0.191 0.02816177 0.007 10/04/95 20:24:55 12439,6438 291 405.81 18.52 0.0186295 0.0002 2.9453 0.19 0.01666306 0.006 10/04/95 20:29:55 12444,8737 290.2 402.48 18.76 0.01706747 0.0002 2.9991 0.194 0.01199895 0.007 10/04/95 20:34:54 12862,0639 297.6 401.43 21.26 0.03215154 0.0003 3.0558 0.199 0.03763074 0.007 10/04/95 20:39:54 12969,4792 301.3 399.89 21.75 0.03429685 0.0003 3.0859 0.207 0.03729266 0.008 10/04/95 20:44:55 12879,8408 302.1 397.78 18.97 0.00536978 0.0002 2.9200 0.204 0.01931057 0.007 10/04/95 20:49:55 1313043,67391 305.3 397.83<	10/04/95	20:09:53	12563.0383	291.1	409.53	22.42				0.189	0.0593926	0.008
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10/04/95 20:59:54 13185,2835 309.7 398.20 22.96 0.03531745 0.0003 2.6179 0.206 0.01765872 0.008 10/04/95 21:04:54 13169,8253 309.5 397.98 21.41 0.02466704 0.0003 2.6290 0.211 0.0087728 0.007 10/04/95 21:09:55 13170,8574 308.7 397.87 21.83 0.02435741 0.0003 2.5614 0.21 0 0.008 10/04/95 21:14:54 13063,342 312.7 396.56 20.79 0.01733593 0.0002 2.5286 0.204 0 0.007 10/04/95 21:19:53 13049,1904 309.7 393.86 21.7 0.0232047 0.0003 2.5719 0.207 0 0.008 10/04/95 21:24:54 13059.054 309.9 393.44 22.06 0.02226449 0.0003 2.5840 0.208 0 0.008 10/04/95 21:34:53 13102.6553 310 392.10 21.94 0.0				-								
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10/04/95 21:29:54 13012.8372 309.6 394.94 22.35 0.02400778 0.0003 2.5571 0.211 0 0.008 10/04/95 21:34:53 13102.6553 310 392.10 21.94 0.0191722 0.0003 2.5612 0.207 0 0.008 10/04/95 21:39:53 13031.5745 309.7 393.28 22.26 0.02165416 0.0003 2.4811 0.204 0 0.008 10/04/95 21:44:54 12970.1179 313.2 394.00 21.73 0.01876694 0.0003 2.4364 0.204 0 0.008 10/04/95 21:49:54 12964.5497 312.3 392.56 21.58 0.01814825 0.0003 2.4427 0.206 0 0.008	10/04/95	21:24:54						/ -		 	0	0.008
10/04/95 21;34:53 13102.6553 310 392.10 21.94 0.0191722 0.0003 2.5612 0.207 0 0.008 10/04/95 21:39:53 13031.5745 309.7 393.28 22.26 0.02165416 0.0003 2.4811 0.204 0 0.008 10/04/95 21:44:54 12970.1179 313.2 394.00 21.73 0.01876694 0.0003 2.4364 0.204 0 0.008 10/04/95 21:49:54 12964.5497 312.3 392.56 21.58 0.01814825 0.0003 2.4427 0.206 0 0.008	10/04/95	21:29:54								+		0.008
10/04/95 21:39:53 13031.5745 309.7 393.28 22.26 0.02165416 0.0003 2.4811 0.204 0 0.008 10/04/95 21:44:54 12970.1179 313.2 394.00 21.73 0.01876694 0.0003 2.4364 0.204 0 0.008 10/04/95 21:49:54 12964.5497 312.3 392.56 21.58 0.01814825 0.0003 2.4427 0.206 0 0.008				+		 					0	0.008
10/04/95 21:44:54 12970.1179 313.2 394.00 21.73 0.01876694 0.0003 2.4364 0.204 0 0.008 10/04/95 21:49:54 12964.5497 312.3 392.56 21.58 0.01814825 0.0003 2.4427 0.206 0 0.008			13031.5745						+	 	0	0.008
┞┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈ ┈┈	10/04/95	21:44:54	12970.1179						2.4364	0.204	0	0.008
10/04/95 21:54:54 12938.9225 314.2 392.59 21.97 0.01876342 0.0003 2.4536 0.207 0 0.008				312.3	392.56	21.58	0.01814825	0.0003	2.4427	0.206	0	0.008
	10/04/95	21:54:54	12938.9225	314.2	392.59	21.97	0.01876342	0.0003	2.4536	0.207	0	0.008

Site: POT	W in smal	I town in SW U	.S.								<u> </u>
Upwind da	ata in ppm										
Date	Time	H2O		CO2		SF6		CH4		NH3	L
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/04/95	21:59:54	13008.6831	317.8	392.44	22.51	0.01875638	0.0003	2.4953	0.211	0	0.008
10/04/95	22:04:55	12973.2315	317.6	391.82	21.9	0.01875638	0.0003	2.4714	0.207	0	0.008
10/04/95	22:09:55	12911.547	317.3	390.98	22.04	0.01895182	0.0003	2.4669	0.205	0	0.008
10/04/95	22:14:54	12925.4824	315.3	390.35	22.64	0.02377938	0.0003	2.5184	0.203	0	0.008
10/04/95	22:19:54	12873.8512	317.2	390.00	22.65	0.02468324	0.0003	2.5244	0.204	0	0.008
10/04/95	22:24:54	12852.9127	322	391.14	22.73	0.02757849	0.0003	2.5362	0.204	0	0.008
10/04/95	22:29:55	12919.2424	325.6	392.45	21.96	0.01914389	0.0003	2.5128	0.206	0	0.008
10/04/95	22:34:55	12881.7227	329.8	392.88	21.72	0.02389185	0.0003	2.4312	0.206	0	0.008
10/04/95	22:39:56	12909.9432	329.8	392.82	21.45	0.01730749	0.0003	2.4799	0.208	0	0.007
10/04/95	22:44:56	12924.5722	335.1	392.72	21.53	0.01792561	0.0003	2.4612	0.209	0	0.008
10/04/95	22:49:57	12898.6633	333.8	391.20	21.31	0.01905526	0.0003	2.5178	0.206	0	0.007
10/04/95	22:54:57	12965.3524	335.2	392.04	22.38	0.02223161	0.0003	2.5346	0.206	0	0.008
10/04/95	22:59:55	13016.1445	337.3	392.20	23.34	0.0290137	0.0003	2.5689	0.204	0	0.008
10/04/95	23:04:55	12993.7435	336.1	390.38	22.28	0.02191049	0.0003	2.5435	0.204	0	0.008
10/04/95	23:09:56	12970.5134	336.5	390.49	23.4	0.02898645	0.0003	2.6162	0.208	0	0.008
	23:14:56	13015.803	334.6	391.31	24.35	0.03626488	0.0003	2.7474	0.208	0.0141772	0.008
	23:19:56	13052.1813	332.8	389.39	25.41	0.05977957	0.0003	2.7987	0.21	0.02239166	0.009
	23:24:55	12928.8452	324.8	393.41	24.87	0.05326848	0.0003	3.1614	0.21	0.01149532	0.009
	23:29:55	12846.3701	315.2	397.33	24.27	0.03550564	0.0003	3.5367	0.212	0	0.008
	23:34:56	12860.0182	329.9	391.59	24.24	0.04227839	0.0003	2.9068	0.21	0	0.008
	23:39:56	12985.0405	333.3	390.16	21.71	0.02320407	0.0003	2.6060	0.208	0	0.008
	23:44:56	13049,7244	339.4	387.80	22.47	0.02238269	0.0003	2.5874	0.207	0	0.008
	23:49:55	13091.8092	337.4	388.26	21.61	0.01644312	0.0003	2.5950	0.206	0	0.008
	23:54:55	13005.77	329.6	387.62	21.98	0.02127729	0.0003	2.6224	0.207	0	0.008
	23:59:56	12993.1731	329.3	388.09	23.05	0.03061956	0.0003	2.7758	0.211	0	0.008
10/05/95	00:04:56	12977.9906	332	387.30	21.93	0.0196216	0.0003	2.8655	0.209	0	0.008
	00:09:56	13043,7384	334.8	390.38	24.02	0.03698311	0.0003	2.9339	0.209	0	0.008
	00:14:55	13168.5131	347.2	390.79	21.24	0.01604712	0.0003	2.6586	0.21	0	0.007
	00:19:55	13164.3047	352.3	390.70	20.8	0.01163043	0.0002	2.5636	0.208	0	0.007
	00:24:56	13091.6002	354.1	389.89	20.59	0.00072087	0.0002	2.5111	0.207	0	0.007
	00:29:57	13096.0419	351.8	390.43	20.45	0.0008237	0.0002	2.5168	0.209	0	0.007
·	00:34:56	13075.2754	348.7	390.70	20.33	0.00061754	0.0002	2.4464	0.208	0	0.007
10/05/95	00:39:55	13002.7957	349.8	388.42	20.36	0.00185159	0.0002	2.4907	0.207	0	0.007
	00:44:55	12991.6631	347.7	389.13	20.51	0.00133651	0.0002	2.4861	0.207	0	0.007
	00:49:56	12916.8576	337.4	389.26	20.47	0.00102789	0.0002	2.6182	0.207	Ò	0.007
	00:54:56	12896.8285		387.29	20.46	0	0.0002	2.6405	0.205	0	0.007
	00:59:56	12886.4305	345.7	386.79	20.62	0.00061672	0.0002	2.6555	0.205	0	0.007
	01:04:57	12815.208	346.8	385.30	20.77	0	0.0002	2.7322	0.206	0	0.007
*	01:09:55	12891.498	338.7	385.63	20.92	0.00030801	0.0002	2.6473	0.21	0	0.007
	01:14:56	12812.0822	338.8	385.45	20.89	0	0.0002	2.7938	0.208	0	0.007
	01:19:56	12848.0241	333.2	382.93	21.14	0	0.0003	2.4910	0.211	0	0.007
10/05/95	01:24:56	12797.7394		380.09	21.24	0	0.0003		0.211	0	1
10/05/95		12836.6577	341.4	384.54	20.83	0	0.0002		0.206	0	0.007
10/05/95		12783.1471		385.84	20.66	Ö	0.0002		0.203		0.007
10/05/95		12818.7489		387.05	20.49	0	0.0002		0.2	0	0.007
10/05/95		12867.2199		387.90	20.51	0	0.0002		0.201	0	0.007
10/05/95		12766.1534		384.36	20.78	0	0.0002	, 	0.203	0	0.007
10/05/95		12827.6473		383.48	21.01	0.00348619	0.0002		0.203	0	0.007
10/05/95		12816.2502		382.11	21.43	0.00348619	0.0003		0.208	0	0.007
10/05/95		12712.5726		382.19	21.43	0.00922467	0.0003		0.204	0	-
10/05/95		12761.3986		382.66	21.31	0	0.0003		0.205	0	†
10/05/95		12832.2144		382.78		0.00358602	0.0003		0.202		+
				381.94	21.41		0.0003		†	0	0.007
10/05/95		12967.9152			21.36	0.00246084		+ 	0.206	0	+
10/05/95		12842.7968		378.72	21.36	0	0.0003	 	0.207	0	
10/05/95		12814,9791		378.85	21.51	0	0.0003		0.212	0	0.007
10/05/95		12889.5883		379.73	21.43	0	0.0003		0.211	0	0.007
10/05/95		12921.8547		379.35	21.7	0	0.0003		0.212	 -	0.008
10/05/95		12861.6664		379.76	21.39	0	0.0003	2.7746	0.209	0	1
10/05/95	$\overline{}$	12924.3613		380.44	21.34	0	0.0003	 	0.208	0_	0.007
10/05/95		13058.3519		380.78	21.28	0	0.0003	2.4624	0.214	0	0.007
10/05/95		13039.5848		378.60	21.5	0	0.0003	2.4013	0.215	0	
10/05/95	03:04:56	13054.1467	343.8	376.81	21.74	0	0.0003	2.2897	0.214	0	0.008

Site: POT	W in smal	town in SW U	.S								
Upwind da	ata in ppm										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
10/05/95	03:09:56	12923.1283	344.6	378.10	21.22	0	0.0003	2.4151	0.213	0	0.007
10/05/95	03:14:55	13032.5482	331.6	374.82	21.68	0	0.0003	2.4051	0.216	0	0.008
10/05/95	03:19:55	12957.8182	310	374.32	21.88	0	0.0003	2.2220	0.219	0_	0.008
10/05/95	03:24:56	13034.7018	310.6	377.19	21.14	0	0.0003	2.2254	0.222	0	0.007
10/05/95	03:29:56	13129.2689	313.7	381.34	20.58	0	0.0002	2.1868	0.221	0	0.007
10/05/95	03:34:56	13285.1335	314.4	382.31	20.79	0	0.0002	2.2134	0.222	0	0.007
10/05/95	03:39:55	13311.9231	314.1	381.93	20.8	0	0.0002	2.2244	0.224	0	0.007
10/05/95	03:44:55	13296.1675	304.9	381.21	20.75	0	0.0002	2.2230	0.224	0	0.007
10/05/95	03:49:55	13312.6413	301.2	379.26	21	0	0.0003	2.2340	0.225	0	0.007
10/05/95	03:54:56	13314.5406	294.8	378.43	21.04	0	0.0003	2.2573	0.226	0	0.007
10/05/95	03:59:56	13383.9273	302.5	379.99	20.9	0	0.0002	2.2517	0.227	0	0.007
	04:04:56	13496.3309	304.3	380.47	21.05	0	0.0003	2.2614	0.228	0	0.007
	04:09:56	13514.7265	302.3	381.21	20.81	0	0.0002	2.2609	0.228	0	0.007
10/05/95	04:14:57	13544.2224	298.8	381.82	20.89	0	0.0002	2.2466	0.227	0	0.007
10/05/95	04:19:57	13510.9629	290.4	381.03	20.81	0	0.0002	2.2388	0.228	0	0.007
	04:24:57	13473.1266		379.97	21.34	0	0.0003	2.2635	0.229	0	0.007
10/05/95	04:29:57	13241.263	279.2	379.15	21.24	0	0.0003	2.2541	0.227	0	0.007
	04:34:58	12964.4952	272.3	377.61	21.28	. 0	0.0003		0.224	ō	0.007
	04:39:58	12336.3864	262.4	371.55	21.56	0	0,0003	2.2235	0.216	0	0.008
	04:44:58	10928.5553	248.2	364.52	21.36	0		2.1767	0.198	0	0.007
	04:49:57	9971.04591	240.1	360.16	21.3	ō	0.0003		0.188	, 0	0.007
10/05/95	04:54:57	9619.63703	235.8	357.50	21.33	0	0.0003		0.184	0	0.007
	04:59:58	9240.73212	237.7	353.89	21.32	0	0.0003	<u> </u>	0.181	0	0.007
	05:04:58	8872.54164	236.3	352.44	21.13	0		2.1323	0.176	0	0.007
	05:09:58	8738.40891	235.4	349.11	21.4	0	0.0003	2.1169	0.175	0	0.007
	05:14:57	8543.30795	240.1	350.47	21.26	0		2.1194	0.173	ő	0.007
10/05/95	05:19:57	8436.65291	238.8	348.22	21.26	0	0.0003	2.1105	0.174	0	0.007
	05:24:58	8387.76733	240.4	346.71	21.34	0		2.1113	0.173	O.	0.007
	05:29:58	8256.10132	240	346.66	21.21	0	0.0003	2.1158	0.172	0	0.007
	05:34:58	8112.90694	242.4	345.38	21.08	0	0.0003	2.1012	0.172	0	0.00
10/05/95	05:39:57	8061.81071	243	344.11	21.3	0	0.0003	2.0927	0.17	0	0.007
	05:44:57	7980.30167	241.2	344.43	21.29	0	0.0003	2.1025	0.172	- 0	0.007
	05:49:57	7914.40914	240.6	343.26	21.19	0	0.0003	2.0991	0.17	ō	0.00
	05:54:58	7883.33322	238.1	341.42	21.36	0	0.0003	2.1064	0.172	0	0.00
	05:59:58	7820.01358	241.2	340.23	21.26	0	0.0003	2.0990	0.172	ŏ	0.00
	06:04:57	7768.33318	240.1	340.10	21.42	- 0		2.0972	0.172	ŏ	0.00
	06:09:57	7782.81794	236.7	339.57	21.47	0	0.0003	2.0974	0.171	ŏ	0.00
10/05/95	06:14:57	7741.79824	236.4	338.30	21.36	0	0.0003		0.17	-0	0.00
10/05/95	06:19:58	7731.00882	236.3	337.17	21.36	0	0.0003	2.0942	0.17	0	0.00
10/05/95		7685.27745	_				0.0003				1
	06:24:58 06:29:58	7683.63428	233.4	336.97 336.24	21.52	0	0.0003	2.0881	0.169	0	0.00
	06:29:58		229.5		21.57	0		2.0974	0.169		
		7673.6215		334.82		. 0		2.1136	0.169	0	0.00
	06:39:59	7667.50266		334.93		0	-	 	0.168	0	i
10/05/95		7675.41752		332.57	21.65	0		2.0967	0.169	0	+
10/05/95		7657.28993		332.83	21.51	0		2.1032	0.17	0	0.00
	06:54:58	7646.82446	224.1	332.77	21.67	0		2.1188	0.171	0	
	06:59:58	7638.719		332.17	21.64	0		2.1036	0.171	0	0.00
	07:04:59	7627.16451		331.31	21.66	0		2.1032	0.171	0	0.00
10/05/95		7620.80347		330.80	21.64	0		2.1054	0.171	0	+
10/05/95		7632.48217		330.30	21.76	0		2.1104	0.173	0	
	07:19:58	7618.63869		331.83	21.62	0		2.1060	0.174	0	+
	07:24:58	7597.71804		330.72	21.67	0		2.1043		0	
	07:29:59	7594.12654	218.7	330.92	21.76	0		2.1133	0.171	0	_
	07:34:59	7560.12976		329.33	21.78	0		2.1271	0.171	0	_
	07:39:59	7555.23494		328.95	21.64	0		2.1160	0.171	0	
	07:44:58	7558.18498		331.71	21.36	0	0.0003	2.1164	0.173	0	0.00
	07:49:58	7553.01901	207.1	332.13	21.25	0	0.0003	2.1192	0.174	0	0.00
10/05/95		7535.57779	204.9	333.66	20.97	0	0.0003	2.1240	0.174	0	0.00
10/05/95		7514.34536		336.73	20.46	0	-	2.1245	0.176	0	0.00
10/05/95		7536.24978		338.72	20.15	0		2.1147	0.177	O	
	08:09:59	7539.49405		340.14	19.94	0		2.1217	0.177	0	+
	08:14:58	7549.8354		341.84	19.72	0		2.1099	0.176	0	

		town in SW U	.S.								
Upwind da	ata in ppm										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
10/05/95	08:19:58	7563.34328	207.5	343.52	19.33	0	0.0002	2.1043	0.176	0	0.007
10/05/95	08:24:59	7591.20903	204.9	345.71	18.94	0	0.0002	2.1035	0.174	0	0.007
10/05/95	08:29:59	7607.64333	203.4	348.98	18.61	0	0.0002	2.1122	0.174	0	0.006
10/05/95	08:34:59	7618.47118	205.7	350.22	18.18	0	0.0002	2.1140	0.171	0	0.006
10/05/95	08:39:58	7621.5877	204.8	351.20	17.85	0	0.0002	2.1064	0.17	0	0.006
10/05/95	08:44:58	7577.99366	205.6	353.54	17.55	0.00020048	0.0002	2.1082	0.171	0	0.006
10/05/95	08:49:59	7565.24917	205.1	356.28	17.25	0.00020055	0.0002	2.1020	0.17	0	0.006
10/05/95	08:54:58	7609.67334	203.9	358.47	16.97	0.0003009	0.0002	2.1105	0.168	0	0.006
10/05/95	08:59:57	7612.43145	201.6	360.04	16.77	0.00030095	0.0002	2.0968	0.166	0	0.006
10/05/95	09:04:58	7578.57352	204.1	362.36	16.43	0.00030096	0.0002	2.0918	0.164	0	0.006
10/05/95	09:09:57	7630.44343	201.7	365.41	15.18	0.00040144	0.0002	2.0896	0.157	0	0.005
Downwind	1										
Run 27								,			
10/05/95	15:34:52	7923.06719	330.6	380.36	25.63	0	0.0003	2.1873	0.137	0	0.009
10/05/95	15:39:52	7828.5259	309.1	377.01	25.4	0	0.0003	2.1509	0.125	0	0.009
10/05/95	15:44:51	7773.18831	316.4	378.48	25.12	0	0.0003	2.1734	0.123	0	0.009
10/05/95	15:49:51	7606.86932	321.5	384.44	25.5	0	0.0003	2.1188	0.123	0	0.009
10/05/95	15:54:52	7699.33124	325.8	373.69	27.29	0	0.0003	2.1367	0.126	0	0.009
10/05/95	15:59:52	7675.23735	315	368.06	29.1	0	0.0003	2.1606	0.122	0	0.01
10/05/95	16:04:52	7944.98146	325	371.47	29.24	0	0.0003	2.1780	0.123	0	0.01
10/05/95	16:09:52	7984.60219	313.8	367.47	29.76	0	0.0004	2.1656	0.126	0	0.01
10/05/95	16:14:54	7946.81556	315.7	361.13	30.54	0.00071878	0.0004	2.2016	0.132	0	0.011
10/05/95	16:19:53	8058.32892	320	362.06	30.43	0.01273265	0.0004	2.1974	0.133	0	0.011
	16:24:52	7936.02223	322.4	361.52	31.2	0.00738626	0.0004	2.1706	0.132	0	0.011
10/05/95	16:29:52	7856.40541	308.7	364.04	28.72	0.00893672	0.0003	2.1941	0.14	0	0.01
10/05/95	16:35:01	8074.81989	311.9	360.07	30.41	0.01027592	0.0004	2.2291	0.139	0	0.011
10/05/95	16:39:53	7992.04596	309.7	360.55	29.51	0.00832505	0.0004	2.2067	0.138	0	0.01
10/05/95	16:44:53	7869.21677	314	361.30	28.91	0.00903776	0.0003	2.2051	0.142	0	0.01
10/05/95	16:49:54	7721.21344	317.8	355.19	31.04	0.00933889	0.0004	2.1797	0.133	0	0.011
10/05/95	16:54:55	7805.96943	314.2	361.37	28.39	0.01037481	0.0003	2.2014	0.141	0	0.01
10/05/95	16:59:55	8010.12363	308.8	361.72	28.14	0.01037288	0.0003	2.2433	0.145	0	0.01
10/05/95	17:04:54	7897.0684	307.9	358.20	28.42	0.00975327	0.0003	2.2074	0.143	0	0.01
10/05/95	17:09:55	7644.59484	322.6	359.01	29.85	0.01150474	0.0004	2.2220	0.138	0	0.01
10/05/95	17:14:55	7699.23892	325.7	356.51	31.28	0.01099319	0.0004	2.2318	0.133	0	0.011
10/05/95	17:19:55	7627.11982	328.7	352.35	32.01	0.01036321	0.0004	2.1648	0.127	0	0.011
10/05/95	17:24:54	7810.15497	326.4	354.72	33.14	0.00995303	0.0004	2.1535	0.123	0	0.012
10/05/95	17:29:55	7941,4795	320.6	358.96	30.13	0.01180439	0.0004	2.1998	0.133	0	0.01
10/05/95	17:34:56	8099.12903	309.8	359.27	28.22	0.01343922	0.0003	2.2419	0.145	0	0.01
10/05/95	17:39:55	8099.46446	312.8	356.53	28.7	0.01271872		2.2787	0.143	0	0.01
10/05/95	17:44:54	7772.2924	308.6	356.56	27.5	0.00892695	0.0003	2.2144	0.144	0	0.01
10/05/95	17:49:56	7722.94127	317.6	352.42	27.99	0.01180219	0.0003	2.2056	0.141	0	0.01
10/05/95		7775.35674	320.4	356.81	28.97	0.00913046		2.2422	0.14	0	0.01
10/05/95		7737.80155		350.89	31.29	0.01271872	0.0004		0.134	0	0.011
10/05/95		7975.9619		354.83	31.76	0.01414414	0.0004		0.132	0	0.011
10/05/95		7980.90583	329.4		32.61	0.01341415	0.0004		0.127	0	0.011
10/05/95		8066.61966	325.1	361.81	32.53	0.01606448			0.126	0	0.011
10/05/95		7883.85405		357.75	30.09	0.01617285	0.0004		0.135	0	0.01
10/05/95		7870.06002	319.7		30.58	0.01309716	0.0004		0.136	0	0.011
10/05/95		7838.3687	322.7	348.50	30.28	0.01277856	0.0004		0.14	0	0.011
10/05/95		7877.63957	317.1	343.87	30.3	0.01512415	0.0004		0.141	0	0.011
	18:39:54	8045.51342	310.5		30.11	0.01317513	0.0004		0.143	0	0.01
10/05/95		8157.15866	316.1	344.51	30.32	0.0164249	0.0004		0.144	0	0.011
10/05/95		8165.82158	318.1	342.01	30.16	0.01671841	0.0004		0.145	0	0.01
10/05/95		8217.56624	314.7		30.53	0.01884856	0.0004		0.147	0	0.011
10/05/95		8136.48297	313.5		30.53	0.01914035	0.0004		0.146	0	0.011
10/05/95		8099.54046	314.8	340.97	30.65	0.01914035	0.0004		0.148	0	0.011
	19:09:56	8164.09459	312.3			0.0201471		2.2907	0.148	0	0.011
		8156.60368	315.2	336.35	31.08 31.47	0.02823344		2.2307	0.147	0	0.011
10/05/95	110-17-66		313.2	JJJU.JJ	31.47_	0.03203302			1 0.13		
10/05/95 10/05/95	19:14:56			224.04	24.04	0.00000000	0.000	0 000	1 0 454	1 ^	1 00011
10/05/95 10/05/95 10/05/95	19:19:55	8086.34036	309.2	334.91	31.91	0.02890696	0.0004		0.151	0	
10/05/95 10/05/95 10/05/95 10/05/95	19:19:55 19:24:56	8086.34036 8051.15387	309.2 304.5	334.05	31.6	0.03445948	0.0004	2.4068	0.154	0	0.011
10/05/95 10/05/95 10/05/95 10/05/95 10/05/95	19:19:55 19:24:56	8086.34036	309.2				0.0004	2.4068 2.4556	1		0.011 0.011 0.012

Site: POT	W in smal	I town in SW U	.s.			-					
Upwind da											
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	19:39:55	8149.50699	300.2	328.18	34.96	0.06070716	0.0004	2.5209	0.157	0.01979801	0.012
10/05/95	19:44:55	8161.10179	295.9 298.1	324.80	35.32 33.34	0.0597528 0.05780219		2.5373	0.157 0.159	0.02028769 0.01896477	0.012 0.012
10/05/95 10/05/95	19:49:56 19:54:56	8158.58294 8130.75609	295.8	323,73	34.77	0.05760219	0.0004	2.5222	0.159	0.01875235	0.012
10/05/95	19:59:55	8137.48413	296.2	324.89	33.95	0.05984111	0.0004	2.5122	0.159	0.01863738	0.012
10/05/95	20:04:55	8085.73082	294.5	322.60	34.32	0.05175222	0.0004	2.4894	0.162	0.01470005	0.012
10/05/95	20:09:55	8063.593	292.5	319.43	35.36	0.05684396	0.0004	2.5261	0.161	0.01700288	0.012
10/05/95	20:14:56	8105.00875	288	321.99	34.85	0.05848944	0.0004	2.5253	0.163	0.01577808	0.012
	20:19:56	8087.42172	285.8	320.28	35.3	0.05879094	0.0004	2.5081	0.162	0	0.012
10/05/95	20:24:55	8088.69719	290.6	321.93	33.73	0.07867444	0.0004	2.5137	0.163	0	0.012
10/05/95	20:29:55	7955.22548	288.5	315.00	36.43	0.06454605	0.0004	2.5012	0.162	0	0.013
10/05/95	20:34:56	7811.33009	277.3	314.62	36.65	0.05066429	0.0004	2.5342	0.165	0	0.013
10/05/95	20:39:56	7856.66566	264	315.69	31.5	0.03238146	0.0004	2.4514	0.166	0	0.011
	20:44:56	7176.11635	216.9	312.01	30.09	0.00929148	0.0004	2.4118	0.168	0	0.01
10/05/95	20:49:55	6866.82966	210.6	303.75	29.18	0.00288903	0.0003	2.2944	0.168	0	0.01
10/05/95	20:54:55	6860.11309	211.5	307.91 306.48	28.87	0.00308709	0.0003	2.3528	0.17	0	0.01
10/05/95	20:59:56 21:04:56	7025.20518 7128.84	220.1	305.48	29.12 29.43	0.00258719 0.00218832	0.0003	2.3520	0.17 0.169	0_0	0.01 0.01
	21:04:56	6986.20164	213.2	304.34	29.43	0.00218832	0.0004	2.3390	0.169	0	0.01
	21:14:56	6967.32156	204.1	301.39	29.81	0.00188555	0.0004	2.3406	0.171	0	0.01
	21:19:57	6901.91507	190.7	297.91	30.08	0.0020805		2.3317	0.173	0	0.01
	21:24:57	6906.25542	192.8	294.44	30.52	0.00148407		2.3345	0.172	0	0.011
	21:29:56	6801.83499	182.5	296.82	30.12	0.00118611	0.0004	2.3831	0.173	0	0.01
10/05/95	21:34:56	6883.25089	180.5	293.15	30.43	0.00108537	0.0004	2.3292	0.175	0	0.011
10/05/95	21:39:57	6846.17467	181.3	288.29	30.36	0.00069016	0.0004	2.2966	0.175	0	0.011
10/05/95	21:44:57	6929.39192	187.7	289.64	30.27	0.00078787	0.0004	2.3188	0.174	0	0.011
10/05/95	21:49:57	6955.78548	185.9	292.79	30.36	0.00078787	0.0004	2.3347	0.178	0	0.011
	21:54:56	6914.53531	182.3	290.16	30.58	0.00059056	0.0004	2.3264	0.176	0	0.011
10/05/95	21:59:56	6829.24465	191.9	289.23	30.36	0	0.0004	2.3021	0.173	0	0.011
10/05/95	22:04:57	6797.11292	193.5	287.31	30.18	0	0.0004	2.2639	0.173	0	0.01
10/05/95	22:09:57 22:14:57	6902.11262	189.1 194.5	289.16 289.78	29.97	0	0.0004	2.3364	0.175	0	0.01
·	22:19:57	6888.61984 6960.52309	194.5	287.80	30.01	0	0.0004	2.3155	0.178	0	0.01
10/05/95	22:24:58	7064.68016	191.9	291.18	30.24	0.00206302	0.0004	2.4805	0.179	0	0.011
	22:29:58	6951,77731	188.6	289.05	30.45	0.00068727	0.0004	2.3850	0.179	0	0.011
	22:34:58	6717.49352	189.5	284.44	30.78	0	0.0004	2.3293	0.181	0	0.011
10/05/95	22:39:58	6673.14621	190.3	282.50	30.89	0	0.0004	2.2698	0.179	0	0.011
10/05/95	22:44:59	6815.26409	190.5	283.86	30.39	0	0.0004	2.2897	0.177	0	0.011
10/05/95	22:49:59	6956.56987	196.3	280.96	30.67	0.00078317	0.0004	2.3652	0.181	0	0.011
10/05/95	22:54:58	6763.61592	188	281.16	31.03	0	0.0004	2.3427	0.18	00	0.011
10/05/95	22:59:58	6630.80896	187.2	276.66	31.28	0	0.0004	2.2755	0.181	0	0.011
	23:04:59			278.25		0	0.0004		0.18	0	0.011
10/05/95		6508.3004	181	275.62	30.97	0	0.0004		0.18	0	0.011
10/05/95		6440.09445		278.91	30.98	0	0.0004		0.179	0	0.011
10/05/95		6609.74519		277.65	31.2	0	0.0004		0.18	0	0.011
10/05/95 10/05/95		6587.52204 6683.9466		279.65	31.43	0	0.0004		0.182	0	0.011
10/05/95		6730.22693	176.1	276.03 279.67	31.38	0	0.0004		0.182	0	0.011
10/05/95		6579.11206		277.96	31.27 31.4	0	0.0004		0.182	0	0.011
10/05/95		6504.46829		277.87	31.26	0	0.0004		0.179	0	0.011
10/05/95		6844.64322		280.51	31.27	0.00175499			0.183	0	0.011
10/05/95		6680.4867		277.95	31.51	0.00170100		2.3626	0.183	ő	0.011
10/06/95		6749.8215		270.53	31.91	0	0.0004		0.188	0	0.011
10/06/95		6736.99978		274.16	31.63	Ö	0.0004		0.186	0	0.011
10/06/95	00:10:01	6653.58257		272.94	31.72	0		2.3285	0.186	0	0.011
10/06/95	00:15:01	6659.2797		275.71	31.39	0		2.3133	0.186	0	0.011
10/06/95		6254.69087	167.2	274.24	31.45	0		2.3183	0.182	0	0.011
10/06/95		6216.86973		272.42	31.77	0	0.0004	+	0.184	0	0.011
10/06/95		6520.3281		271.66	31.42	Ö		2.3220	0.185	0	0.011
10/06/95		6845.16117		276.54	31.72	0.00194473		2.3532	0.187	0	0.011
10/06/95		6636.14313		274.77	31.84	0	0.0004		0.189	0	0.011
10/06/95	00.45:01	6910.72893	160.7	276.50	31.97	0.00145626	0.0004	2.4043	0.193	0	0.011

Small town POTW

Upwind dat Date 10/06/95 (10/06/95 (ta in ppm Time 00:50:01	H2O ppm							1		
Date 10/06/95 10/06/95 10/06/95	Time 00:50:01								, ,		I
10/06/95 (10/06/95 (ppm		CO2		SF6		CH4		NH3	
10/06/95 (10/06/95 (95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/06/95		6969.95016	164.4	279.31	32.02	0.00349502	0.0004	2.4591	0.192	0	0.011
	00:55:01	7434.30665	172.2	282.08	38.94	0.04010356	0.0005	2.7224	0.198	0	0.014
10/00/05	01:00:02	7286.21492	163	283.96	32.75	0.00913486	0.0004	2.5184	0.205	0	0.011
10/06/95 (01:05:02	7528.19146	172.3	290.37	31.93	0.0061223	0.0004	2.6028	0.222	0	0.011
Run 28											i
10/06/95	08:59:50	6595.03005	214.1	289.31	27.6	0	0.0003	2.1795	0.171	0	0.01
10/06/95	09:04:49	6639.75138	218.4	285.73	29.15	0.00361802	0.0003	2.2167	0.168	0	0.01
10/06/95	09:09:49	6592.51994	221.4	297.78	27.7	0.00792394	0.0003	2.1556	0.171	0	0.01
	09:14:49	6634.75599	229.3	300.19	27.64	0.0039176	0.0003	2.1255	0.171	0	0.01
10/06/95	09:19:50	6612.63331	219.6	301.28	28.2	0.00587868	0.0003	2.1392	0.17	. 0	0.01
10/06/95	09:24:50	6692.38731	225.8	303.34	28.45	0.00735546	0.0003	2.1343	0.169	0	0.01
10/06/95	09:29:50	6829.67984	220.6	308.07	29.01	0.01481471	0.0003	2.1312	0.169	0	0.01
10/06/95	09:34:50	6759.36447	227.8	317.49	27.68	0.01021928	0.0003	2.1068	0.168	0	0.01
	09:39:50	6610.97521	240	315.27	27.83	0.00944046	0.0003	2.0965	0.166	0	0.01
10/06/95	09:44:50	6496.36477	241.3	307.97	28.2	0.01120622	0.0003	2.1511	0.164	0	0.01
10/06/95	09:49:51	6537.44125	251	300.65	29.71	0.00963195	0.0004	2.1538	0.159	Ö	0.01
10/06/95	09:54:51	6680.20241	254.5	292.74	31.52	0.01121747	0.0004	2.2009	0.152	0	0.011
10/06/95	09:59:51	6612.78628	248.8	292.85	31.48	0.00974524	0.0004	2.1898	0.153	0	0.011
10/06/95 1	10:04:51	6659.74063	253.3	291.08	31.07	0.00836713	0.0004	2.1779	0.153	0	0.011
10/06/95 1	10:09:50	6778.10347	254	294.27	31.02	0.00946084	0.0004	2.1864	0.157	0	0.011
10/06/95	10:14:50	6821.19996	262.2	297.88	30.99	0.00719557	0.0004	2.1838	0.153	0	0.011
10/06/95 1	10:20:18	6863.53579	257.5	295.15	31.44	0.00986792	0.0004	2.2260	0.143	0	0.011
10/06/95 1	10:25:11	6890.49593	271	296.70	31.74	0.01046603	0.0004	2.2203	0.145	0	0.011
10/06/95 1	10:30:11	7046.54133	266.9	301.63	31.61	0.00968542	0.0004	2.2493	0.148	0	0.011
10/06/95 1	10:35:11	6884.53064	271.4	302.51	31.05	0.01038719	0.0004	2.2097	0.149	. 0	0.011
Run 29										-	
10/06/95 1	10:54:50	7243.41754	253.1	317.60	28.84	0.01255393	0.0003	2.1562	0.156	0	0.01
10/06/95 1	11:00:00	7340.13841	269.1	320.50	29.01	0.01147097	0.0003	2.1620	0.156	0	0.01
10/06/95 1	11:04:52	7350.34217	266.8	323.98	28.6	0.01030403	0.0003	2.1761	0.153	0	0.01
10/06/95 1	11:09:54	7268.71258	274	337.78	27.19	0.0067437	0.0003	2.1952	0.155	0	0.009
10/06/95 1	11:14:52	7277.53309	284	342.41	24.61	0.01021081	0.0003	2.1095	0.16	0.	0.009
10/06/95 1	11:19:53	7332.51641	286.2	347.80	23.96	0.01160978	0.0003	2.0796	0.173	0	0.008
10/06/95 1	11:24:53	7271.29153	291	346.37	24.8	0.01091726	0.0003	2.1409	0.164	0	0.009
10/06/95 1	11:29:53	7287.2679	286.9	343.69	25.36	0.00845056	0.0003	2.1006	0.155	0	0.009
10/06/95 1	11:34:53	7273.71928	293.6	347.25	26.27	0.01015771	0.0003	2.0951	0.155	0	0.009
10/06/95 1	11:39:54	7402.60019	293.5	360.75	25.31	0.01303327	0.0003	2.0650	0.161	0	0.009
10/06/95 1	11:44:54	7508.80487	306.9	346.89	27	0.00925968	0.0003	2.1107	0.154	0	0.009
	11:49:54	7602.84114	298.1	330.40	31.15	0.01323982	0.0004	2.1073	0.147	0	0.011
10/06/95 1	11:54:57	7483.99835	299.5	325.90	31.72	0.01207048	0.0004	2.0846	0.145	0	0.011

Small town POTW

Site: POT	W in small										
Upwind da											
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 24											
10/04/95	10:44:50	0.48316558	0.054	0.15364834	0.014	0	0.008	0	1.728	0.04454643	0.006
10/04/95	10:49:50	0.4784266	0.053	0.15248992	0.014	0	0.007	Ó	1.736	0.03654282	0.006
10/04/95	10:54:50	0.47568852	0.053	0.15406958	0.013	0	0.007	O.	1.619	0.03096135	0.006
	10:59:51	0.47790005	0.053	0.14690845	0.013	0	0.007	0	1.633	0.03380474	0.006
	11:04:51	0.47600445	0.053	0.16007229	0.012	0	0.007	0	1.54	0.03159322	0.006
	11:09:50	0.47716287	0.052	0.15059433	0.012	0	0.007	0	1.525	0.03306757	0.006
	11:14:50	0.47326638	0.052	0.15038371	0.012	0	0.007	0	1.539	0.02137808	0.006
	11:19:51	0.47632039	0.052	0.15101557	0.013	0	0.009	0	1.682	0	0.007
	11:24:51	0.46979112	0.052	0.14827749	0.013	0	0.009	0	1.623	0	0.007
	11:29:50	0.47084423	0.052	0.14817218	0.012	0	0.009	0	1,617	0	0.007
	11:34:50	0.47042299	0.052	0.15248992	0.012	0	0.008	0	1.423	0.0156913	0.006
	11:39:51	0.46884333	0.052	0.1561758	0.012	0	0.008	0	1.434	0	0.007
	11:44:51	0.4695805	0.053	0.15965105	0.012	0	0.009	0	1.518	0	0.007
	11:49:51	0.46599994	0.052	0.1532271	0.012	0	0.009	0	1.533	0	0.007
	11:54:50	0.46789553	0.052	0.15470145	0.012	0	0.009	0	1.468	O	0.007
	11:59:50	0.46589463	0.052	0.15059433	0.012	0	0.008	0	1.464	0.00916203	0.006
10/04/95	12:04:52	0.46357779	0.052	0.15628111	0.012	Ō	0.008	0	1.421	0	0.006
10/04/95	12:09:52	0.46315655	0.052	0.15164744	0.012	0	0.008	0	1.441	0.01263729	0.006
10/04/95	12:14:51	0.46684242	0.053	0.15301648	0.011	0	0.008	0	1.326	0.01053107	0.006
10/04/95	12:19:51	0.46305124	0.052	0.15554393	0.011	0	0.008	0	1.417	0	0.007
	12:24:52	0.46442028	0.053	0.15175275	0.012	0	0.008	0	1.39	0.00642395	0.006
	12:29:52	0.47084423	0.052	0.15091026	0.011	0	0.008	0	1.443	0	0.006
	12:34:51	0.46399903	0.052	0.15248992	0.011	0	0.008	0	1.346	0	0.006
	12:39:51	0.46357779	0.052	0.15396427	0.011	0	0.008	0	1.393	0	0.006
	12:44:52	0.4627353	0.052	0.15501738	0.011	0	0.007	0	1.302	0.00737175	0.006
	12:49:51	0.46357779	0.053	0.15607049	0.011	0	0.007	0	1.329	0.01032045	0.006
	12:54:51	0.46083971	0.052	0.15449083	0.011	0	0.007	0	1.274	0.01221604	0.006
	12:59:52	0.45768039	. 0.051	0.1513315	0.011	0	0.007	0	1,247	0.01295322	0.006
	13:04:52	0.46294593	0.052	0.15080495	0.011	0	0.007	0	1.192	0	0.006
	13:09:51	0.46157689	0.052	0.15291117	0.01	0	0.007	0	1.221	0.00610802	0.005
	13:14:51	0.46220875	0.052	0.15017309	0.01	0	0.007	0	1.216	0	0.006
	13:19:52	0.46515745	0.052	0.14806687	0.01	0	0.008	0	1.201	0	0.006
	13:24:52	0.46768491	0.052	0.14701377	0.011	0	0.007	ō	1.235	0	0.006
	13:29:51	0.46547338	0.053	0.14890936	0.01	0	0.007	ō	1.232	0	0.006
	13:34:52	0.46294593	0.052	0.14174823	0.011	0	0.007	0	1,149	0	0.006
	13:39:52	0.45831225	0.051	0.14627659	0.011	0	0.007	0	1.148	0	0.006
	13:44:51	0.46262999	0.052	0.14606597	0.01	0	0.007	0	1.058	0.0127426	0.006
	13:49:51	0.46505214	0.052	0.14901467	0.01	0	0.007	0	1.079	0.02200994	0.005
	13:54:52	0.46526276	0.052	0.14564473	0.01	0	0.008	ō	1.109	0.00905672	0.006
	13:59:51	0.46526276	0.052	0.14480224	0.009	0	0.008	0	1.059	0.01105763	0.007
	14:04:50		0.052		0.01	0	0.007	0	1.08	0.02095683	0.006
10/04/95		0.46652649	0.053	0.14785625	0.01	0	0.007	ŏ	1.136	0.02717017	0.005
	14:14:51	0.46547338	0.053	0.1502784	0.01	<u>o</u>	0.007	0	1.096	0.02401084	0.005
Run 25		255 660	-1000	5.,60E/GT				Ť		0.52.01004	3.000
	14:39:53	0.45431045	0.051	0.14617128	0.009	0	0.006	0	1.084	0.01032045	0.005
10/04/95		0.45675099	0.051	0.14427598	0.003	0	0.007	0	1.131	0.01032043	0.005
10/04/95		0.46081893	0.052	0.14427556	0.011	0	0.006	0	1.298	- 0	0.005
10/04/95		0.45751036	0.052	0.14098315	0.011	0	0.007	0	1.252	0	0.005
10/04/95		0.45631135	0.052	0.14259071	0.011	0	0.007	0	1.181	0	0.005
10/04/95		0.4514816	0.051	0.14258978	0.011	0	0.007	0	1.183	0	0.005
10/04/95		0.45511925	0.051	0.14238378	0.009	0	0.007	0	1,111	0	0.005
10/04/95		0.45511925	0.051	0.14126501	0.009	0	0.007	0	1.426	0	0.005
10/04/95		0.45720303	0.052	0.14126301	0.011	-	0.006	0	1.404	0	0.005
10/04/95		0.45470722	0.052	0.15150096	0.012	0	0.006	0	1.308	0	0.005
10/04/95		0.45491835	0.052	0.15118228	0.011		0.006	0	1.448	0	0.005
10/04/95		0.45429146				0	! 	+	} 		
10/04/95		0.45429146	0.053	0.14809269	0.012	0	0.007	- 0	1.44	0	0.006
. 0/07/53		0.45605676	0.052	0.15395345	0.012	0		0	1.506	0	0.005
		114544444	0.052	0.15096911	0.012	0	0.006	0	1.505	0	0.005
10/04/95	15.44.59			i	0.044		A AA=		4		0.00-
10/04/95 10/04/95	15:50:00	0.45480006	0.052	0.15321915	0.011	0	0.007	0	1.447	0	0.005
10/04/95	15:50:00 15:55:00			i	0.011 0.012 0.012		0.007	0	1.447 1.505 1.633	0	0.005 0.006 0.007

Site: POT	W in small										
	ata in ppm										
Date	Time	N2O		СО		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/04/95	16:05:00	0.45588337	0.053	0.14904285	0.012	0	0.008	0	1.512	0	0.006
10/04/95	16:10:00	0.45281654	0.053	0.14727887	0.012	0	0.008	0	1.517	0	0.006
10/04/95	16:14:59	0.46029103	0.053	0.14624985	0.012	0	0.009	0	1.617	0	0.007
10/04/95	16:20:00	0.46134726	0.053	0.14390068	0.012	0	0.009	0	1.591	0	0.007
10/04/95	16:25:00	0.45773854	0.053	0.14909741	0.012	0	0.01	0	1.591	0	0.008
Run 26	. "										
10/04/95	17:19:51	0.45780148	0.052	0.13501443	0.01	0	0.008	0	1.265	0.01881955	0.006
10/04/95	17:24:52	0.45340553	0.052	0.13444432	0.011	0	0.008	0	1.367	0	0.007
10/04/95	17:29:52	0.4497715	0.052	0.13098497	0.013	0	0.009	0	1.515	0	0.007
10/04/95	17:34:52	0.45575713	0.053	0.1334672	0.012	0	0.009	0	1.493	. 0	0.007
10/04/95	17:39:53	0.45179421	0.053	0.13245713	0.013	0	0.009	0	1.594	0	0.007
10/04/95	17:44:52	0.45285302	0.053	0.13288065	0.013	0	0.009	0	1.561	0	0.007
10/04/95	17:49:52	0.45265386	0.053	0.13202404	0.013	0	0.009	0	1.545	0	0.007_
10/04/95	17:54:53	0.4522769	0.053	0.13229364	0.013	0	0.009	0	1.582	0	0.007
10/04/95	17:59:52	0.45448703	0.052	0.13558404	0.011	0	0.009	0	1.426		0.007
	18:04:52	0.45353444	0.053	0.1334672	0.013	0	0.01	0	1.573	0	0.008
	18:09:53	0.45339179	0.053	0.13011477	0.013	0	0.009	0	1.604	0	0.007
	18:14:53	0.45309743	0.053	0.13146595	0.013	. 0	0.009	0	1.62	0	0.007
10/04/95	18:19:52	0.45182825	0.052	0.12913911	0.013		0.009	0	1.509	0	0.007
	18:24:53	0.4547292	0.052	0.1294091	0.011	0	0.009	0	1.394	0	0.007
	18:29:53	0.45196678	0.052	0.12942013	0.013	0	0.009	0	1.566	. 0	0.007
	18:34:52	0.45720949	0.052	0.12987706	0.011	0	0.009	0	1.394	0	0.007
	18:39:53	0.45429777	0.053	0.13046283	0.013	0	0.01	0	1.603	0	0.008
	18:44:53	0.45135875	0.053	0.1277988	0.013	0	0.009	0	1.59	0	0.007
	18:49:52	0.45202221	0.052	0.12670958	0.013	0	0.009	0	1.576	0	0.007
	18:54:53	0.45144192	0.052	0.12675748	0.013	0	0.009	0	1.626	0	0.007
	18:59:53	0.45396553	0.052	0.13011014	0.013	0	0.009	0	1.627	0	0.008
	19:04:52	0.45447249	0.053	0.12959403	0.013	0	0.01	0	1.644	0	0.008
10/04/95		0.45399209	0.052	0.13383582	0.013	0	0.01	0	1.646	0	0.008
10/04/95		0.45435009	0.052	0.13492122	0.013	0	0.01	0	1.674	0	0.008
10/04/95		0.45416134	0.052	0.12932655	0.014	0	0.01	0	1.698 1.679	0	0.008
	19:24:53 19:29:53	0.4551837 0.45584717	0.052	0.1281707 0.13625299	0.013	. 0	0.011	0	1.697	0	0.008
	19:34:52	0.45481909	0.052	0.13025299	0.014	0	0.012	0	1.742	0	0.003
	19:39:52	0.45441723	0.052	0.1330332	0.014	0	0.015	0	1.764	0	0.012
10/04/95		0.45717507	0.052	0.13065117	0.014	0	0.166	0	1.777	0	0.012
	19:49:53	0.45670283	0.052	0.13014524	0.014	0.01973471	0.015	0	1.787	0	0.012
	19:54:54	0.45617429	0.052	0.13014324	0.014	0.01373471	0.014	0	1.774	0	0.012
	19:59:54	0.45957076	0.052	0.14250015	0.014	<u>_</u>	0.014	0	1.78	Ö	0.011
	20:04:53	0.45995407	0.052	0.14311987	0.014	0.02115685	0.014	0	1.787	0	0.011
	20:09:53	0.45928206	0.052	0.13993021	0.014	0.01876101	0.012	0	1.77	ŏ	0.009
	20:14:54		0.052	0.13661493	0.014	0	$\overline{}$	0		0	0.009
10/04/95		0.45938893	0.052	0.13925583	0.014	0	0.01	0	1.786	0	0.008
10/04/95	20:24:55	0.46056272	0.052	0.13961778	0.014	0.01014273	0.01	ō	1.776	0	0.008
10/04/95		0.45916661	0.052	0.14098763	0.015	0	0.01	0	-	Ö	0.008
10/04/95		0.45921912	0.053	0.14028824	0.015	0	0.011	0	1.863	0	0.009
10/04/95		0.45897868	0.053	0.14131957	0.015	0	0.011	0	1.937	0	0.009
10/04/95		0.45880677	0.053	0.13176625	0.015	0	0.01	0	1.909	0	0.008
10/04/95		0.45914408	0.053	0.14465052	0.015	0	0.011	0	1.947	0	0.009
10/04/95		0.45929878	0.053	0.14349213	0.015	0	0.012	0	1.95	0	0.01
10/04/95		0.4569582	0.053	0.14085672	0.015	Ö	0.012	0	1.932	0	0.009
10/04/95	21:04:54	0.45752714	0.053	0.13592674	0.015	0	0.011	0	1.972	0	0.009
10/04/95		0.45763035	0.053	0.14067437	0.015	0	0.011	0	1.966	0	0.009
10/04/95		0.45713184	0.053	0.13507575	0.015	0	0.011	0	1.906	0	0.009
10/04/95	21:19:53	0.45831866	0.053	0.13180271	0.015	0	0.011	0	1.934	_ 0	0.009
10/04/95		0.45858675	0.053	0.13224698	0.015	0	0.011	0	1.95	_ 0	0.009
10/04/95	21:29:54	0.45923903	0.054	0.13353686	0.015	0	0.012	0	1.973	_ 0	0.009
10/04/95		0.45982367	0.054	0.1321439	0.015	0	0.011	Ö	1.941	· _ 0	0.009
10/04/95	21:39:53	0.46020238	0.053	0.13198724	0.015	0	0.012	Ö	1.906	_ 0	0.009
			0.053		0.015	0	0.011	0	1.909	0	0.009
10/04/95	21:44:54	0.45865566	0.053	0.13209035	0.013		0.0.				
10/04/95 10/04/95		0.45865566	0.053	0.13209035	0.015	0	0.011	0	1.926	0	0.009

Small town POTW

	Site: POT	W in small										
Total Time			<u> </u>									
			N2O		co		C2H4		H2S		DICLM	
			ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
TIONAIDE 22:09:55 0.4598649 0.053 0.13235376 0.015 0.012 0.19 0.009 0.009 0.0009	10/04/95	21:59:54	0.46045882	0.054	0.13108855	0.015	0	0.012	0	1.973	0	0.009
TRIOLAGE 22:14-54 0.45942564 0.053 0.1485276 0.015 0.012 0.1909 0.00	10/04/95	22:04:55	0.45963437	0.053	0.13057326	0.015	0	0.011	0	1.94	0	0.009
1000495 22:19.54 0.46934239 0.054 0.14693446 0.015 0.012 0.1909 0.0009 0.	10/04/95	22:09:55	0.45968469	0.053	0.13235376	0.015	0	0.011	0	1.917	0	0.009
1000495 22:24:54 0.45926413 0.053 0.1320694 0.015 0 0.011 0 1.933 0 0.009	10/04/95	22:14:54	0.45942584	0.053	0.13485276	0.015	0	0.012	0	1.9	0	0.009
1000495 122-28:55 0.459865 0.054 0.1298644 0.015 0 0.011 0 1.933 0 0.009 1000495 123-38:66 0.45897862 0.053 0.12712761 0.015 0 0.011 0 1.945 0 0.009 1000495 123-38:66 0.45897862 0.054 0.12712761 0.015 0 0.011 0 1.945 0 0.009 1000495 122-48:57 0.45838633 0.053 0.12712761 0.015 0 0.011 0 1.945 0 0.009 1000495 123-48:57 0.4680849 0.055 0.12824878 0.015 0 0.011 0 1.943 0 0.009 1000495 123-48:55 0.46010385 0.053 0.12824878 0.015 0 0.012 0 1.933 0 0.009 1000495 123-48:55 0.46010385 0.053 0.128448626 0.015 0 0.012 0 1.933 0 0.009 1000495 123-48:55 0.46010385 0.053 0.128448626 0.015 0 0.012 0 1.913 0 0.011 1000495 123-48:56 0.46003819 0.054 0.12840239 0.015 0 0.012 0 1.915 0 0.011 1000495 123-18:56 0.46003819 0.054 0.12840239 0.015 0 0.012 0 1.915 0 0.011 1000495 123-18:56 0.46003819 0.054 0.12840239 0.015 0 0.012 0 1.915 0 0.011 1000495 123-18:56 0.46073827 0.054 0.12879786 0.016 0.0162180 0.013 0 1.985 0 0.011 1000495 123-28:55 0.4473827 0.054 0.12879786 0.016 0.0162180 0.013 0 1.985 0 0.011 1000495 123-28:55 0.4473827 0.055 0.12858926 0.016 0.0162180 0.013 0 1.985 0 0.011 1000495 123-48:56 0.46626749 0.054 0.12858926 0.015 0.015 0 0.011 0 1.942 0 0.009 1000495 123-48:56 0.46626749 0.054 0.1258916 0.015 0 0.011 0 1.943 0 0.011 1000495 123-48:56 0.46626749 0.054 0.1258916 0.015 0 0.011 0 1.942 0 0.009 1000495 123-48:56 0.46626780 0.054 0.12589826 0.015 0 0.011 0 1.942 0 0.009 1000495 123-48:56 0.46626780 0.054 0.12589826 0.015 0 0.011 0 1.943 0 0.009 1000495 123-48:56 0.46626780 0.054 0.12589868 0.015 0 0.011 0			0.46034239	0.054	0.14069446	0.015	0	0.012	0	1.909	0	0.009
1000495 22:29:55 0.459865 0.054 0.1298644 0.015 0 0.011 0 1.935 0 0.009 1010495 22:39:66 0.45987602 0.053 0.12712761 0.015 0 0.011 0 1.945 0 0.009 1010495 22:39:66 0.45987602 0.054 0.12743668 0.015 0 0.011 0 1.945 0 0.009 1010495 22:49:67 0.45938639 0.053 0.12712761 0.015 0 0.011 0 1.943 0 0.009 1010495 22:49:67 0.45938639 0.053 0.12823678 0.015 0 0.011 0 1.93 0 0.009 1010495 22:59:55 0.46010385 0.053 0.12643675 0.015 0 0.012 0 1.93 0 0.009 1010495 22:59:55 0.46010385 0.053 0.12643675 0.015 0 0.012 0 1.931 0 0.019 1010495 23:30:55 0.46001742 0.053 0.1254023 0.015 0 0.012 0 1.913 0 0.019 1010495 23:30:55 0.46000519 0.054 0.12540233 0.015 0 0.012 0 1.915 0 0.010 1010495 23:30:55 0.46003636 0.054 0.12540233 0.015 0 0.012 0 1.945 0 0.011 1010495 23:30:55 0.46003636 0.054 0.12540233 0.015 0 0.012 0 1.945 0 0.011 1010495 23:30:55 0.46073327 0.054 0.1249033 0.016 0.01621661 0.013 0 1.985 0 0.011 1010495 23:30:55 0.4673327 0.054 0.12540233 0.016 0.01621661 0.013 0 1.985 0 0.011 1010495 23:34:55 0.46626749 0.054 0.12589526 0.016 0.01621661 0.013 0 1.985 0 0.011 1010495 23:355 0.4673327 0.054 0.12589526 0.015 0.015 0 0.011 0 1.942 0 0.009 1010495 23:355 0.46626749 0.054 0.12589526 0.015 0 0.011 0 1.942 0 0.009 1010495 23:355 0.46626749 0.054 0.12589526 0.015 0 0.011 0 1.942 0 0.009 1010495 23:355 0.46626749 0.054 0.12589526 0.015 0 0.011 0 1.942 0 0.009 1010495 23:355 0.46626749 0.054 0.12589526 0.015 0 0.011 0 1.942 0 0.009 1010495 23:355 0.46626760 0.054 0.12589526 0.015 0 0.011 0 1.942 0 0.009 1010495		22:24:54	0.45926413	0.053	0.13305591	0.015	0	0.012	0	1.912	0	0.009
1000495 22:34:55 0.45857922 0.053 0.12728588 0.015 0 0.011 0 1.925 0 0.009 1010495 22:44:56 0.45967862 0.053 0.12743688 0.015 0 0.011 0 1.932 0 0.009 1010495 22:44:56 0.45967862 0.054 0.12743688 0.015 0 0.011 0 1.932 0 0.009 1010495 22:54:57 0.4596889 0.053 0.1289678 0.015 0 0.011 0 1.932 0 0.009 1010495 22:55:55 0.4606884 0.053 0.12869678 0.015 0 0.012 0 1.933 0 0.009 1010495 22:55:55 0.4606084 0.053 0.12869878 0.015 0 0.012 0 1.931 0 0.009 1010495 22:59:55 0.460601742 0.055 0.12890817 0.015 0 0.012 0 1.932 0 0.009 1010495 23:00-35 0.460601742 0.055 0.12890817 0.015 0 0.012 0 1.945 0 0.010 1010495 23:10-35 0.460601742 0.055 0.12890817 0.015 0 0.012 0 1.945 0 0.010 1010495 23:10-35 0.460601742 0.055 0.12890817 0.015 0 0.012 0 0.013 0 1.945 0 0.011 1010495 23:10-55 0.46073977 0.056 0.12479786 0.016 0.01633153 0.013 0 1.945 0 0.011 1010495 23:25:55 0.46473977 0.056 0.12479786 0.016 0.01633153 0.013 0 1.985 0 0.011 1010495 23:25:55 0.46473977 0.056 0.12480683 0.016 0.01633153 0.013 0 1.985 0 0.011 1010495 23:25:55 0.46673978 0.055 0.12898186 0.016 0 0.013 0 1.984 0 0.011 1010495 23:45:56 0.46673979 0.055 0.12898186 0.016 0 0.013 0 1.984 0 0.011 1010495 23:45:55 0.46673979 0.055 0.12898186 0.015 0 0.011 0 1.931 0 0.009 1010495 23:45:55 0.46673988 0.054 0.1248083 0.015 0 0.011 0 1.931 0 0.009 1010495 23:45:55 0.46673988 0.054 0.1248083 0.015 0 0.011 0 1.931 0 0.009 1010495 23:45:55 0.46673988 0.054 0.1248089 0.015 0 0.011 0 1.935 0 0.009 1010495 23:45:55 0.46673988 0.054 0.1248089 0.015 0 0.011 0 1.935 0			0.459865	0.054	0.1296844	0.015	0	0.011	0	1.933	ō	0.009
1000495 22:44:56 0.45907862 0.054 0.12740868 0.015 0 0.011 0 1.952 0 0.009 1000495 22:54:57 0.4606884 0.053 0.1286986 0.015 0 0.011 0 1.93 0 0.009 1000495 22:54:57 0.4606884 0.053 0.1286986 0.015 0 0.012 0 1.93 0 0.009 1000495 22:55:55 0.46001742 0.053 0.1286987 0.016 0 0.012 0 1.93 0 0.009 1000495 23:04:55 0.46001742 0.053 0.1286987 0.016 0 0.012 0 1.945 0 0.010 1000495 23:04:55 0.46090519 0.054 0.12840823 0.015 0 0.012 0 1.945 0 0.010 1000495 23:15:56 0.4605053 0.054 0.12840823 0.015 0 0.012 0 1.945 0 0.011 1000495 23:15:56 0.46039577 0.054 0.12479756 0.016 0.016 0.013 0 1.985 0 0.011 1000495 23:255 0.44732120 0.055 0.12890816 0.016 0.01633153 0.013 0 1.985 0 0.011 1000495 23:255 0.44732120 0.055 0.12890816 0.016 0.016 0.013 0 1.985 0 0.011 1000495 23:255 0.4673959 0.055 0.1289816 0.016 0 0.013 0 1.984 0 0.011 1000495 23:355 0.4629599 0.053 0.1284083 0.015 0 0.011 0 0.193 0 0.011 1000495 23:455 0.46071576 0.053 0.1284086 0.015 0 0.011 0 1.994 0 0.011 1000495 23:455 0.46071576 0.053 0.1245898 0.016 0 0.012 0 1.933 0 0.001 1000495 23:455 0.46071576 0.053 0.1245898 0.016 0 0.011 0 1.931 0 0.009 1000495 23:455 0.46071576 0.053 0.1245898 0.016 0 0.011 0 1.931 0 0.009 1000495 23:455 0.46071576 0.053 0.1245898 0.016 0 0.011 0 1.931 0 0.009 1000495 23:455 0.46073749 0.054 0.1254898 0.016 0 0.011 0 1.935 0 0.009 1000495 23:455 0.46073749 0.054 0.1254898 0.016 0 0.011 0 1.955 0 0.009 1000495 0.0455 0.4603828 0.054 0.12548398 0.016 0 0.011 0 1.955 0 0.009 1000595 0.04555 0.4605876 0.055 0.1360876 0		22:34:55	0.45857932	0.053	0.12728588	0.015	0	0.011	0	1.925	O	0.009
100/495 22:49:57 0.4593639 0.053 0.12823678 0.015 0.011 0.193 0.009 100/495 22:59:55 0.46010385 0.053 0.1269696 0.015 0.0012 0.1913 0.009 100/495 22:59:55 0.46010385 0.053 0.12824625 0.015 0.0012 0.1913 0.009 100/495 23:05:55 0.46090179 0.053 0.1284625 0.015 0.0012 0.1912 0.0008 100/495 23:05:55 0.46090179 0.054 0.12840239 0.015 0.0012 0.1912 0.0008 100/495 23:14:56 0.46090519 0.054 0.12840239 0.015 0.0013 0.1943 0.001 100/495 23:14:56 0.46091791 0.054 0.12840239 0.015 0.0013 0.1943 0.001 100/495 23:24:55 0.46473927 0.054 0.12840239 0.016 0.01633153 0.019 0.1965 0.001 100/495 23:24:55 0.46473927 0.054 0.12840239 0.016 0.01633153 0.019 0.1966 0.011 100/495 23:24:55 0.46473927 0.054 0.12840239 0.016 0.01633153 0.019 0.1966 0.011 100/495 23:24:55 0.4673927 0.054 0.12840249 0.016 0.01633153 0.019 0.1964 0.011 100/495 23:34:56 0.46526749 0.054 0.12840499 0.015 0.0013 0.1984 0.011 100/495 23:34:56 0.46679593 0.053 0.1284689 0.015 0.0013 0.011 0.1944 0.011 100/495 23:44:56 0.46679593 0.053 0.1285686 0.015 0.0011 0.0011 0.1936 0.009 100/495 23:54:55 0.4627402 0.054 0.12840499 0.015 0.0011 0.1931 0.1996 0.009 100/495 23:54:55 0.4627402 0.054 0.12840499 0.016 0.0012 0.1933 0.009 100/495 23:54:55 0.4627402 0.054 0.12840499 0.016 0.0012 0.1933 0.009 100/495 23:54:55 0.4627808 0.054 0.12840499 0.016 0.0012 0.1933 0.009 100/495 0.0955 0.4629889 0.054 0.12840499 0.016 0.0012 0.1933 0.009 100/495 0.0955 0.4629689 0.054 0.12840499 0.016 0.0012 0.1935 0.009 100/495 0.0955 0.4629689 0.054 0.12840499 0.016 0.0012 0.1935 0.009 100/495 0.0955 0.46266874 0.054 0.12840499 0.016 0.0012 0.009	10/04/95	22:39:56	0.45967862	0.053	0.12712761	0.015	0	0.011	0	1.949	0	0.009
1000/495 22:49:57 0.45938639 0.053 0.12829876 0.015 0 0.011 0 1.93 0 0.009 1000/495 22:59:55 0.4601035 0.053 0.1264968 0.015 0 0.012 0 1.913 0 0.009 1000/495 22:09:55 0.4601035 0.053 0.1254687 0.015 0 0.012 0 1.913 0 0.019 1000/495 23:09:56 0.46090519 0.054 0.12540239 0.015 0 0.012 0 1.945 0 0.011 1000/495 23:14:56 0.4609519 0.054 0.12540239 0.015 0 0.012 0 1.945 0 0.011 1000/495 23:14:56 0.4609519 0.054 0.12540239 0.015 0 0.012 0 1.945 0 0.011 1000/495 23:19:56 0.4613927 0.054 0.12540239 0.015 0 0.013 0 1.965 0 0.011 1000/495 23:24:55 0.4673927 0.054 0.12497956 0.016 0.01633153 0.013 0 1.966 0 0.011 1000/495 23:24:55 0.4673927 0.054 0.1249683 0.016 0.0163163 0.013 0 1.966 0 0.011 1000/495 23:39:56 0.46526749 0.054 0.1254063 0.016 0.016 0 0.013 0 1.964 0 0.011 1000/495 23:39:56 0.46526749 0.054 0.12496489 0.015 0 0.011 0 1.944 0 0.010 1000/495 23:39:56 0.46679593 0.053 0.1239688 0.015 0 0.011 0 1.946 0 0.011 1000/495 23:39:55 0.46679593 0.053 0.1239688 0.015 0 0.011 0 1.936 0 0.009 1000/495 23:59:55 0.4627678 0.054 0.1245896 0.015 0 0.011 0 1.933 0 0.009 1000/495 23:59:55 0.4627678 0.054 0.1245896 0.015 0 0.011 0 1.933 0 0.009 1000/495 23:59:55 0.4627678 0.054 0.1245896 0.015 0 0.011 0 1.955 0 0.009 1000/495 0.095:55 0.460767 0.054 0.1245896 0.015 0 0.011 0 1.955 0 0.009 1000/495 0.095:55 0.460767 0.054 0.1245896 0.015 0 0.011 0 1.955 0 0.009 1000/495 0.095:55 0.460767 0.054 0.1245896 0.015 0 0.011 0 1.955 0 0.009 1000/495 0.095:55 0.460767 0.054 0.1245896 0.015 0 0.011 0 1.957 0 0.009 1000/495 0.095:55 0.4607678 0.054 0.1245484	10/04/95	22:44:56	0.45967862	0.054	0.12743668	0.015	0	0.011	0	1.952	0	0.009
100/495 22:59:55 0.4601035 0.093 0.1254685 0.015 0.012 0.1913 0.01			0.45938639	0.053	0.12823678	0.015	0	0.011	0	1.93	0	0.009
1000495 22:59:55 0.46010385 0.6051 0.1264025 0.015 0.012 0.1913 0.001		22:54:57	0.4606884	0.053	0.1266996	0.015	0	0.012	0	1.93	0	0.009
100/495 23:04:55 0.46001742 0.053 0.12590817 0.015 0.012 0.1912 0.009			0.46010385	0.053	0.12644625	0.015	0	0.012	0	1.913	0	0.01
10/04/95 23:09:56 0.46990519 0.054 0.12540239 0.015 0.0012 0.1945 0.001		23:04:55	0.46001742	0.053	0.12590817	0.015	0	0.012	0	1.912	. 0	0.009
1010/495 23:14:55 0.46065638 0.054 0.1259756 0.016 0.01633153 0.013 0.1945 0.0.01	1——		0.46090519	0.054	0.12540239	0.015	0	0.012	0	1.945	0	0.01
10/04/95 23:34:55 0.46139147 0.054 0.1249063 0.016 0.01639163 0.013 0 1.966 0 0.011		_						0.013	0	1.943	0	0.01
100/04/95 23:24:55 0.46473927 0.054 0.1246963 0.016 0.01621661 0.013 0 1.986 0 0.011 100/04/95 23:34:55 0.46526749 0.054 0.128916 0.016 0 0.013 0 1.984 0 0.011 100/04/95 23:39:56 0.46526749 0.054 0.128916 0.016 0 0.013 0 1.984 0 0 0.011 100/04/95 23:39:56 0.4652506 0.054 0.1289176 0.015 0 0.011 0 1.984 0 0 0.011 100/04/95 23:39:56 0.4652506 0.054 0.1289176 0.015 0 0.011 0 1.936 0 0.009 100/04/95 23:39:55 0.46071576 0.053 0.12455866 0.015 0 0.011 0 1.931 0 0.009 100/04/95 23:39:55 0.46071576 0.053 0.12455866 0.015 0 0.011 0 1.931 0 0.009 100/04/95 23:39:55 0.46278688 0.054 0.12443049 0.016 0 0.012 0 1.973 0 0.009 100/04/95 23:59:56 0.46278688 0.054 0.12443049 0.016 0 0.012 0 1.973 0 0.009 100/05/95 0.009:56 0.4639297 0.054 0.12543439 0.016 0 0.011 0 1.955 0 0.009 100/05/95 0.009:56 0.4639297 0.054 0.12543439 0.016 0 0.011 0 1.955 0 0.001 100/05/95 0.019:55 0.46073749 0.054 0.12543439 0.016 0 0.011 0 1.955 0 0.001 100/05/95 0.029:57 0.45903744 0.054 0.1274829 0.015 0 0.011 0 1.961 0 0.009 100/05/95 0.029:57 0.4599374 0.054 0.13395458 0.015 0 0.011 0 1.934 0 0.008 100/05/95 0.034:56 0.45956596 0.053 0.13400721 0.015 0 0.011 0 1.944 0 0.008 100/05/95 0.034:55 0.4596596 0.053 0.13400721 0.015 0 0.011 0 1.944 0 0.008 100/05/95 0.04555 0.4596596 0.053 0.13400721 0.015 0 0.011 0 1.944 0 0.008 100/05/95 0.04555 0.4596596 0.053 0.13400721 0.015 0 0.011 0 1.944 0 0.008 100/05/95 0.04555 0.46008288 0.054 0.13269721 0.015 0 0.011 0 1.945 0 0.009 100/05/95 0.04555 0.46008288 0.054 0.13269721 0.015 0 0.011 0 1.945 0							0.01633153		0	1.965	0	0.01
10/04/95 23:39:55 0.47132192 0.055 0.12385926 0.016 0 0.013 0 1.983 0 0.011									0		0	0.01
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10/05/95 01:44:56 0.46166871 0.054 0.13880839 0.015 0 0.011 0 1.881 0 0.008 10/05/95 01:49:56 0.46399797 0.054 0.14347913 0.015 0 0.011 0 1.902 0 0.009 10/05/95 01:54:55 0.4625356 0.054 0.12786121 0.015 0 0.011 0 1.902 0 0.009 10/05/95 01:59:55 0.46594856 0.054 0.13519273 0.016 0 0.011 0 1.913 0 0.009 10/05/95 02:04:55 0.4671617 0.055 0.14036351 0.016 0 0.011 0 1.913 0 0.009 10/05/95 02:09:56 0.4660642 0.055 0.13938942 0.016 0 0.011 0 1.919 0 0.009 10/05/95 02:14:56 0.46659245 0.055 0.13452698 0.015 0 0.011 0 1.893				·		-						
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10/05/95 01:54:55 0.4625356 0.054 0.12786121 0.015 0 0.011 0 1.902 0 0.009 10/05/95 01:59:55 0.46594856 0.054 0.13519273 0.016 0 0.011 0 1.951 0 0.009 10/05/95 02:04:55 0.4671617 0.055 0.14036351 0.016 0 0.011 0 1.913 0 0.009 10/05/95 02:09:56 0.4660642 0.055 0.13938942 0.016 0 0.011 0 1.919 0 0.009 10/05/95 02:14:56 0.46659245 0.055 0.13452698 0.015 0 0.011 0 1.899 0 0.009 10/05/95 02:19:56 0.464335588 0.054 0.13596147 0.015 0 0.011 0 1.929 0 0.009 10/05/95 02:24:55 0.46441111 0.054 0.13314477 0.016 0 0.011 0 1.981					·			-	-		 	
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10/05/95 02:59:56 0.46476026 0.054 0.13025976 0.016 0 0.011 0 2.01 0 0.009								 	0			+
						-	0		+			
10/05/95 03:04:56 0.46274199 0.054 0.1291468 0.016 0.0011 0.12007 0.10009				0.054		0.016	0	0.011	0		0	
<u> </u>	10/05/95	03:04:56	0.46274199	0.054	0.1291468	0.016	0	0.011	0	2.007	0	0.009

Small town POTW

Site: POT	W in small										
Upwind da	ata in ppm										
Date	Time	N2O		CO		C2H4		H2S		DICLM	_
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	03:09:56	0.46088772	0.054	0.12596577	0.017	0	0.011	0	1.993	0	0.009
10/05/95	03:14:55	0.46362738	0.054	0.12541493	0.017	0	0.011	0	2.024	0	0.009
10/05/95	03:19:55	0.46248109	0.054	0.13244286	0.016	0	0.011	0	2.051	0	0.009
10/05/95	03:24:56	0.46234917	0.054	0.12966964	0.016	0	0.011	0	2.077	0	0.009
10/05/95	03:29:56	0.45988965	0.053	0.1290829	0.016	0	0.011	0	2.071	0	0.008
	03:34:56	0.46038197	0.054	0.13168331	0.016	0	0.011	0	2.08	O	0.009
	03:39:55	0.46084949	0.054	0.12836494	0.016	0	0.011	0	2.093	0	0.009
10/05/95	03:44:55	0.46105222	0.053	0.126797	0.017	0	0.011	0	2.101	0	0.009
10/05/95	03:49:55	0.4623173	0.054	0.1221446	0.017	0	0.011	0	2.106	0	0.009
10/05/95	03:54:56	0.46307199	0.054	0.13092567	0.017	0	0.011	0	2.112	0	0.009
10/05/95	03:59:56	0.46176375	0.054	0.12673076	0.017	0	0.011	0	2.124	0	0.009
	04:04:56	0.46276681	0.054	0.12695823	0.017	0	0.011	0	2.131	0	0.009
10/05/95	04:09:56	0.46145862	0.053	0.1231709	0.017	0	0.011	0	2.131	0	0.009
	04:14:57	0.46196717	0.053	0.12083157	0.017	0	0.011	0	2.124	0	0.009
10/05/95	04:19:57	0.46102026	0.053	0.12226794	0.017	0	0.011	0	2.135	0	0.009
	04:24:57	0.46267424	0.054	0.12090082	0.017	0	0.011	0	2.143	0	0.009
	04:29:57	0.46220796	0.053	0.12265976	0.017	0	0.011	0	2.121	0	0.009
	04:34:58	0.46275673	0.053	0.1234018	0.017	0	0.011	0	2.101	0	0.009
	04:39:58	0.46423063	0.054	0.12178702	0.016	0	0.011	0	2.021	0	0.009
	04:44:58	0.46370199	0.053	0.12177623	0.016	0	0.011	0	1.855	0	0.009
	04:49:57	0.4646526	0.054	0.11988422	0.015	0	0.011	0	1.759	0	0.009
	04:54:57	0.46543857	0.054	0.12321325	0.015	0	0.011	0	1.726	0	0.009
	04:59:58	0.46579185	0.054	0.11958155	0.015	0	0.011	0	1.694	0	0.009
	05:04:58	0.46571547	0.054	0.12064749	0.015	0	0.011	0	1.644	0	0.009
	05:09:58	0.46625718	0.054	0.11825583	0.015	0	0.011	0	1.634	0	0.009
	05:14:57	0.46621879	0.054	0.1203894	0.015	0	0.011	0	1.621	0	0.009
	05:19:57	0.46614184	0.054	0.11883036	0.015	0	0.011	0	1.628	0	0.009
-	05:24:58	0.46658077	0.054	0.11694764	0.015	0	0.011	0	1.622	0	0.009
	05:29:58	0.4666422	0.054	0.1202873	0.015	0	0.011	0	1.611	0	0.009
	05:34:58	0.46635164	0.054	0.12107012	0.015	0	0.011	0	1.607	0	0.009
	05:39:57	0.46676609	0.054	0.11711952	0.015	0	0.011	ō	1.594	0	0.009
	05:44:57	0.46674902	0.054	0.1201074	0.015	0	0.011	0	1.605	0	0.009
	05:49:57	0.4669615	0.054	0.11988329	0.015	0	0.011	ō	1.591	0	0.009
	05:54:58	0.4672856	0.054	0.11933477	0.015	0	0.011	0	1.607	0	0.009
	05:59:58	0.46706583	0.054	0.11900086	0.015		0.011	ō	1.612	0	0.009
	06:04:57	0.46708777	0.054	0.12196683	0.015	<u>o</u>	0.011	0	1.602	0	0.009
	06:09:57	0.4674106	0.054	0.12051527	0.015	0	0.011	ō	1.596	0	0.009
	06:14:57	0.46792301	0.054	0.11688043	0.015	0	0.011	0	1.593	0	0.009
	06:19:58	0.46804455	0.054	0.120446	0.015	0	0.011	ō	1.591	0	0.009
	06:24:58	0.46804455	0.054	0.11773823	0.015	0	0.011	0	1.583	0	0.009
	06:29:58	0.46836636	0.054	0.12009908	0.015		0.011	0	1.581	0	0.009
10/05/95		0.46873432	0.054	0.12009908	0.015	0	0.011	-	1.579	0	0.009
10/05/95		0.4688649	0.054	0.11771672	0.015	0	0.011	0	1.575	0	0.009
10/05/95		0.46870488	0.054	0.11771072	0.015	0	0.011	0	1.575	0	0.009
10/05/95		0.46836084	0.054	0.12163789	0.015	. 0	0.011	0		0	0.009
10/05/95		0.46897032	0.054	0.12103789	0.015	0	0.011	0		0	0.009
10/05/95		0.46899947	0.054	0.11971384	0.015	0	0.011	0	1.602	0	0.009
10/05/95		0.46870955	0.054	0.11934718	0.015	0	0.011	0	1.603	0	0.009
10/05/95		0.46804652	0.054		0.015	0	0.011	0	1.603	0	0.009
10/05/95		0.46884506	0.054	0.1204803 0.12257648	0.015	0	0.011	0	1.615	0	
10/05/95			0.054		_		0.011	0	1.626	0	0.009
10/05/95	 +	0.46845546	0.054	0.12644505	0.016	0	0.011	0	1.626	0	
		0.46938907		0.12470485	0.015	0					0.009
10/05/95		0.46908978	0.054	0.12031524	0.015 0.015	0	0.011	0	1.601		0.009
10/05/95		0.46931751	0.054	0.1172546			0.011	0	 -		0.009
		0.46876418	0.054	0.12755488	0.015	0	0.011		1.605	0	0.009
10/05/95		0.46895413	0.054	0.12050277	0.016	0	0.011	0	1.621	0	0.009
10/05/95		0.469035	0.054	0.12942335	0.016	0	0.011	0	1.625	0	0.009
10/05/95		0.46881656	0.054	0.12588223	0.016	0	0.011	0	1.629	0	0.009
10/05/95		0.46842439	0.054	0.12640973	0.015	0	0.011	0	1.648	0	0.008
311//XE/O5	08:04:59	0.46829529	0.054	0.12159106	0.016	0	0.01	0	1.661	0	0.008
	00.00.00	A 4000			1 0 0 4 -						
10/05/95		0.46804578 0.46731553	0.054	0.12550502 0.12387761	0.015	0	0.01	0	1.652 1.649	0	0.008

Site: POI	W in smal										
Upwind da	ata in ppm										
Date	Time	N2O		co		C2H4		H2S		DIÇLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	08:19:58	0.46722121	0.053	0.11810536	0.015	0	0.01	0	1.644	0	0.008
10/05/95	08:24:59	0.46728987	0.053	0.11747287	0.015	0_	0.01	0	1.625	0	0.008
10/05/95	08:29:59	0.46714741	0.053	0.12617486	0.015	0	0.01	0	1.624	0	800.0
10/05/95	08:34:59	0.46682545	0.053	0.12321788	0.015	0	0.009	0	1.605	0	0.007
10/05/95	08:39:58	0.46703066	0.053	0.12885678	0.015	0_	0.009	0	1.592	0	0.007
10/05/95	08:44:58	0.46640747	0.053	0.12670085	0.015	0	0.009	0	1.596	0	0.007
10/05/95	08:49:59	0.46628504	0.053	0.12113383	0.015	0	0.009	0	1.589	0	0.007
10/05/95	08:54:58	0.46608873	0.053	0.12206369	0.015	0	0.009	0	1.574	0.00732182	0.007
10/05/95	08:59:57	0.46537524	0.053	0.12168574	0.015	Ō	0.009	0	1.558	0.00872767	0.007
10/05/95	09:04:58	0.46549093	0.053	0.12259265	0.014	Ó	0.008	0	1.539	0.01143663	0.007
10/05/95	09:09:57	0.46707374	0.053	0.12294055	0.014	0	0.008	0	1.47	0.01946977	0.006
Downwind											
Run 27							,				
10/05/95	15:34:52	0.47568537	0.054	0.12699293	0.011	0	0.013	0	1.281	0	0.01
10/05/95	15:39:52	0.47646636	0.054	0.12672959	0.011	0	0.013	0	1.167	0	0.01
10/05/95	15:44:51	0.47315684	0.054	0.12770003	0.011	0	0.013	0	1.153	0	0.01
10/05/95	15:49:51	0.47383219	0.054	0.12879779	0.011	0	0.013	0	1.148	0	0.01
10/05/95	15:54:52	0.47557105	0.054	0.1281172	0.01	0	0.014	0	1.177	0	0.011
10/05/95	15:59:52	0.47245325	0.054	0.12757366	0.011	0	0.015	0	1.143	0	0.012
10/05/95	16:04:52	0.47216406	0.054	0.12810016	0.01	Ó	0.015	0	1.153	0	0.012
10/05/95	16:09:52	0.47277993	0.054	0.12943454	0.011	0	0.015	0	1.183	0	0.012
10/05/95	16:14:54	0.47121068	0.054	0.12825063	0.011	0	0.016	0	1.24	0	0.012
10/05/95	16:19:53	0.47079995	0.054	0.12876404	0.011	0	0.016	0	1.245	0.	0.012
10/05/95	16:24:52	0.47210505	0.055	0.12977247	0.011	0	0.016	0	1.235	0	0.013
10/05/95	16:29:52	0.47056461	0.054	0.12840117	0.011	0	0.015	0	1.305	0	0.012
10/05/95	16:35:01	0.47433658	0.055	0.13317596	0.011	ő	0.016	Ô	1.304	0	0.012
10/05/95	16:39:53	0.47144438	0.055	0.13093964	0.011	0	0.015	0	1.292	0	0.012
10/05/95	16:44:53	0.47314716	0.055	0.12930156	0.011	0	0.015	0	1.327	0	0.012
10/05/95	16:49:54	0.47115237	0.055	0.12920515	0.011	0	0.016	ō	1.249	0	0.013
10/05/95	16:54:55	0.47015373	0.055	0.12870933	0.011	0	0.015	ō	1.317	0	0.012
10/05/95	16:59:55	0.47191474	0.055	0.12909615	0.012	0	0.015	0	1.353	0	0.012
10/05/95	17:04:54	0.47175025	0.055	0.12905116	0.011	0	0.015	0	1.335	0	0.012
10/05/95	17:09:55	0.4734408	0.055	0.13138008	0.012	0	0.015	0	1.289	0	0.012
10/05/95	17:14:55	0.47424821	0.055	0.1304799	0.011	0	0.016	0	1.245	0	0.013
	17:19:55	0.47003842	0.054	0.12897583	0.011	0	0.017	- -	1.186	0	0.013
10/05/95	17:24:54	0.46994731	0.054	0.12897899	0.011	0	0.017	0	1.153	0	0.014
10/05/95	17:29:55	0.47135437	0.054	0.12954034	0.011	0	0.016	0	1.249	ő	0.012
	17:34:56	0.4724244	0.055	0.12967306	0.012	- 6	0.015	0	1.359	-0	0.012
10/05/95	17:39:55	0.47418254	0.056	0.13067457	0.012	0	0.015	0	1.342	0	0.012
10/05/95	17:44:54	0.47117862	0.055	0.13010768	0.012	- 0	0.014	ō	1.344	0	0.011
10/05/95	17:49:56	0.46993234	0.055	0.12941356	0.012	0	0.014	0	1.319	0	0.011
10/05/95		0.4724244	0.055								
10/05/95	17:50:54	0.46966945	0.053	0.13151967 0.13016172	0.012	<u>0</u> 0	0.015	0	1.306	0	0.012
10/05/95		0.47044636	0.054	0.13016172	_			0	1.237		0.013
10/05/95		0.47092874	0.054	0.13026957	0.011	0	0.016	0	1.187	0	0.013
10/05/95		0.47092874	0.054	0.13004555	0.011	0		0			0.013
10/05/95					0.011	0		- 0		0	
10/05/95		0.46972912	0.054	0.12917807	0.011	0	0.016	— <u> </u>	1.259	0	0.012
10/05/95		0.47200919 0.47290895	0.054 0.055	0.13045994 0.13034131	0.011	0	0.016	0	1.275	0	0.013
10/05/95	10.29.35				0.011	0	0.016			0	+
		0.46976843	0.055	0.13008815	0.012	0		0	1.318	0	0.012
10/05/95		0.47338565	0.055	0.13124068	0.012	0		0	1.338	0	0.012
10/05/95		0.47244556	0.055	0.12935888	0.012	0	0.016	0	1.344	0	0.012
10/05/95		0.47209118	0.055	0.12915991	0.012	0	0.016	0	1.353	0	
10/05/95		0.47304801	0.055	0.12867965	0.012	0	0.016	0	1.371	0	0.012
10/05/95		0.47260384	0.055	0.12787385	0.012	0	0.016	0	1.369	0	0.013
10/05/95		0.47233752	0.055	0.12861582	0.012	0		0	1.381	0	
10/05/95		0.47383765	0.055	0.1274544	0.012	0	 	0	1.373	0	0.013
10/05/95		0.47360728	0.055	0.12700594	0.012	0	0.016	0	1.408	0	0.013
10/05/95	19:19:55	0.47478406	0.055	0.12729203	0.012	0	•——	O	1.411	0	+
10/05/95		0.47462869	0.055	0.12709468	0.012	0	0.016	0	1.437	0	0.013
10/05/95		0.47559848	0.055	0.12656975	0.012	0	0.016	0	1,434	0	0.013
	19:34:57	0.47454239	0.055	0.1262479	0.012	0	0.018	0	1.46	0	0.014

Site: POT	W in small										
Upwind da											
Date	Time	N2O		CO		C2H4		H2\$		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	19:39:55	0.4740411	0.055	0.12737393	0.013	0	0.018	0	1.471	0	0.014
10/05/95	19:44:55	0.47499437	_0.055	0.12657096	0.013	0	0.018	0	1.47	0	0.014
10/05/95	19:49:56	0.47553149	0.055	0.12680167	0.013	0.01765338	0.017	0	1.492	0	0.014
	19:54:56	0.47536195	0.055	0.12703204	0.013	0	0.018	0	1.489	0	0.014
	19:59:55	0.47570659	0.055	0.12824534	0.013	0.02065223	0.018	0	1.49	0	0.014
	20:04:55	0.47553646	0.055	0.13068946	0.013	0	0.018	0	1.514	0	0.014
	20:09:55	0.47618139	0.055	0.13310542	0.013	0	0.018	0	1.504	0	0.014
	20:14:56	0.47605583	0.055	0.13135	0.013	0.01979797	0.018	0	1.524	0	0.014
	20:19:56	0.4769603	0.055	0.12974205	0.013	0.02070245	0.018	0	1.518	0	0.014
	20:24:55	0.47767343	0.055	0.12901403	0.013	0.0571721	0.017	0	1.53	0	0.014
	20:29:55	0.48002988	0.055	0.12838942	0.013	0.03061671	0.019	0	1.516	0	0.015
	20:34:56	0.48146125	0.056	0.12721252	0.013	0.01936279	0.019	0	1.54	0	0.015
	20:39:56	0.48441869	0.056	0.13052838	0.014	0.02175473	0.016	0	1.553	0	0.013
	20:44:56	0.48625389	0.056	0.14436755	0.014	0	0.016	0	1.576	0	0.012
	20:49:55	0.48635353	0.057	0.1532183	0.014	0	0.015	0	1.568		0.012
	20:54:55	0.48776033	0.057	0.18054502	0.014	0	0.015	0	1.587	0	0.012
	20:59:56	0.48589344	0.057	0.173839	0.014	0	0.015	-	1.59	0	0.012
	21:04:56	0.48650262	0.057	0.1659142	0.014	0	0.015	0	1.584	0	0.012
	21:09:56	0.48722219	0.057	0.16459403	0.014	0	0.015	0	1.588	0	0.012
	21:14:56	0.48835856	0.057	0.1729748	0.015	0	0.015	0	1.604	0	0.012
	21:19:57	0.48812528 0.48786238	0.057	0.1824897 0.16413784	0.015 0.015	0	0.016	-	1.614	0	0.012
	21:24:57							0		0	0.012
	21:29:56	0.48926954	0.059	0.22368019	0.015	0	0.016	0	1.623	0	, _
	21:34:56	0.48930678	0.058	0.18046826	0.015	0	0.016	0	1.638	0	0.012
	21:39:57	0.48853359	0.058	0.17293399	0.015	0	0.016	←	1.638	0	0.012
	21:44:57	0.48857625	0.057	0.16712636	0.015	0	0.016	0	1.632	0	0.012
	21:49:57	0.48965956	0.057	0.16299006	0.015	0	0.016	0	1.67	0	0.012
	21:54:56 21:59:56	0.48819369	0.057	0.16141888	0.015 0.015	0	0.016	0	1.649 1.618	0	0.013
		0.48779616	0.057	0.15948129		0		0	1.616	0	0.012
10/05/95	22:04:57	0.48819369 0.49075918	0.057 0.057	0.15492276	0.015 0.015	0	0.016	0	1.636	0	0.012
	22:14:57	0.49059791	0.058	0.15845398	0.015	0	0.015	0	1.661	0	0.012
-	22:19:57	0.49001438	0.057	0.15613251	0.015	0	0.016	0	1.659	0	0.012
10/05/95		0.49001438	0.057	0.15354797	0.015	. 0	0.016	6	1.674	0	0.012
	22:29:58	0.4913928	0.057	0.15748395	0.016	0	0.016	0	1.672	0	0.012
10/05/95	+	0.48994797	0.058	0.17080035	0.016	. 0	0.016		1.69		0.012
	22:39:58	0.48976501	0.057	0.17049524	0.016	0	0.016	0	1.671	- 0	0.013
-	22:44:59	0.49065123	0.058	0.18407989	0.016	0	0.016	ŏ	1.661	0	0.012
	22:49:59	0.49104508	0.058	0.18923248	0.016	0	0.016	0	1.692	0	0.012
	22:54:58	0.49067874	0.058	0.20247593	0.016	0	0.016	0	1.684	-0	0.013
	22:59:58	0.48942709	0.058	0.21716495	0.016	0	0.016	0	1.692	0	0.013
	23:04:59		0.058	0.19087213	0.016	0	0.016	0	1.68	0	
		0.49050721	0.058	0.17046688	0.016	0	0.016	0	1.684	0	0.013
		0.49148962	0.058	0.1636998	0.016	0	0.016	Ŏ	1.677	0	0.013
10/05/95		0.49158718	0.058	0.18350377	0.016	0	0.016	Ö	1.684	0	0.013
10/05/95		0.49265906	0.058	0.2001275	0.016	0	0.016	Ö	1.706	0	
10/05/95		0.49119843	0.058	0.19624528	0.016	ő	0.016	T ö	1.701	0	0.013
10/05/95		0.49091021	0.058	0.18462747	0.016	0	0.016	<u> </u>	1.715	0	0.013
10/05/95	-	0.49081414	0.058	0.16656103	0.016	ő	0.016	ŏ	1.702	0	0.013
10/05/95		0.49129878	0.057	0.15590132	0.016	0	0.016	ō	1.678	ō	0.013
10/05/95		0.49334627		0.1713062	0.016	0	0.016	0	1.711	Ō	0.013
10/05/95		0.49403179	0.058	0.18062215	0.016	0	0.016	0	1.713	0	0.013
10/06/95		0.49247666	0.059	0.2116316	0.017	Ö		0	1.757	0	0.013
10/06/95	+	0.49247899	0.058	0.19058995	0.017	0	0.016	0	1.738	0	0.013
10/06/95		0.49325786	0.058	0.17216849	0.017	0	0.016	10	1.741	0	0.013
10/06/95	$\overline{}$	0.4921886	0.058	0.16416012	0.016	0	0.016	1 0	1.739	0	0.013
10/06/95	$\overline{}$	0.49462025	0.058	0.13425129	0.016	0	0.016	1 5	1.7	0	0.013
10/06/95		0.49338078	0.057	0.13349047	0.016	ő	0.016	0	1.723	0	0.013
10/06/95		0.49289401	0.058	0.15030693	0.016	0	0.016	0	1.731	0	1
10/06/95		0.49318376	0.058	0.15236967	0.017	ő	0.016	0	1.75	0	0.013
10/06/95		0.49357414	0.058	0.18062093	0.017	-0		0	1.765	0	
10/06/95		0.49260411	0.059	0.21474976	0.017	0		1 6	 -	0	
		J. 10200411	0.000	3.2.77370	0.017		, 0.0.0	<u> </u>			, 5.0.0

Small town POTW

Site: POT	W in small				1						1
	ata in ppm										
Date	Time	N2O		CO		C2H4	-	H2S		DIÇLM	
		ppm_	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/06/95	00:50:01	0.4951283	0.059	0.21154599	0.017	0	0.017	0	1.794	0	0.013
10/06/95	00:55:01	0.49435163	0.06	0.23110526	0.017	0.04311375	0.02	O	1.85	0	0.016
10/06/95	01:00:02	0.49503153	0.059	0.22283221	0.017	0	0.017	0	1.918	0	0.013
10/06/95	01:05:02	0.49289358	0.058	0.16112334	0.017	0	0.016	0	2.081	0	0.013
Run 28					·						
	08:59:50	0.48864017	0.057	0.14666045	0.014	0	0.014	0	1.601	0	0.011
	09:04:49	0.4903884	0.057	0.13904931	0.014	0	0.015	0	1.568	0	0.012
	09:09:49	0.48697973	0.056	0.1308917	0.014	0	0.014	0	1.599	0	0.011
10/06/95	09:14:49	0.48597876	0.055	0.13006445	0.014	0	0.014	0	1.602	0	0.011
10/06/95	09:19:50	0.48655876	0.055	0.13021276	0.014	0	0.015	0	1.591	0	0.012
10/06/95	09:24:50	0.48742163	0.056	0.12984834	0.014	0	0.015	0	1.586	0	0.012
10/06/95	09:29:50	0.48643269	0.055	0.13068341	0.014	0	0.015	0	1.586	0	0.012
10/06/95	09:34:50	0.48580875	0.055	0.12862533	0.013	0	0.014	0	1.568	0	0.011
10/06/95	09:39:50	0.48746194	0.056	0.1280362	0.013	0	0.014	0	1.55	0	0.011
10/06/95	09:44:50	0.48678255	0.056	0.12769195	0.013	0	0.015	0	1.532	0	0.012
10/06/95	09:49:51	0.4886741	0.057	0.12924506	0.013	0	0.015	0	1.485	0	0.012
10/06/95	09:54:51	0.49081368	0.057	0.13165772	0.013	0	0.016	0	1.426	0	0.013
10/06/95	09:59:51	0.4905105	0.058	0.13348028	0.013	0	0.016	0	1.433	0	0.013
10/06/95	10:04:51	0.48962456	0.057	0.13328341	0.013	ō	0.016	0	1.43	0	0.013
10/06/95	10:09:50	0.48900738	0.057	0.13373297	0.013	0	0.016	0	1.472	0	0.013
10/06/95	10:14:50	0.4893971	0.057	0.13425153	0.013	0	0.016	0	1.429	0	0.013
10/06/95	10:20:18	0.49714601	0.06	0.13696678	0.014	0	0.016	0	1.341	0	0.013
10/06/95	10:25:11	0.49713624	0.059	0.13753938	0.014	0	0.016	Û	1.356	ō	0.013
10/06/95	10:30:11	0.49632857	0.059	0.13905502	0.014	0	0.016	0	1.387	0	0.013
10/06/95	10:35:11	0.49690339	0.059	0.13859479	0.014	0	0.016	0	1.397	0	0.013
Run 29											
10/06/95	10:54:50	0.48584682	0.056	0.13670929	0.013	0	0.015	0	1.464	0	0.012
10/06/95	11:00:00	0.48662644	0.056	0.13725615	0.013	0	0.015	0	1.461	0	0.012
10/06/95	11:04:52	0.48765817	0.057	0.13722198	0.013	0	0.015	0	1.436	0	0.012
	11:09:54	0.48951299	0.057	0.1431052	0.013	0	0.014	0	1.447	0	0.011
	11:14:52	0.48466659	0.056	0.14057215	0.012	0	0.013	0	1.499	0	0.01
	11:19:53	0.48314531	0.055	0.139615	0.012	0_	0.012	0	1.618	0	0.01
	11:24:53	0.48740599	0.056	0.14023716	0.012	0_	0.013	0	1.536	. 0	0.01
10/06/95	11:29:53	0.48307391	0.056	0.14047817	0.012	0	0.013	0	1.454	0	0.01
	11:34:53	0.4829893	0.055	0.13922042	0.012	0	0.014	0	1.455	; 0	0.011
	11:39:54	0.48451936	0.056	0.13938637	0.012	0	0.013	0	1.51	0	0.01
	11:44:54	0.48339518	0.056	0.14048828	0.012	0_	0.014	0	1.439	0	0.011
	11:49:54	0.48171038	0.056	0.14026243	0.012	0	0.016	- 0	1.378	0	0.013
10/06/95	11:54:57	0.48172198	0.055	0.13935921	0.012	0	0.016	0	1.358	0	0.013

Site: POT	W in small										
Upwind da	ta in ppm										
Date	Time	CL3F		CCL4		TCFM_		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 24						<u></u>	2 22 2 5	0.00470000			0.000
	10:44:50	0.01021514	0.002	0.00958328	0.002	0	0.0005	0.00473898	0.001		0.039
	10:49:50	0.00726644	0.001	0.0058974	0.002	0_	0.0005	0.00610802	9E-04	0	0.042
	10:54:50	0.00642395	0.001	0.00473898	0.002	0	0.0005	0.0068452	9E-04 9E-04	0	0.038
	10:59:51	0.00673989	0.001	0.00526554	0.002	0	0.0005	0.0008432	9E-04	0	0.037
	11:04:51 11:09:50	0.00673989	0.001	0.00473898	0.002	0	0.0005	0.00758237	9E-04	0	0.036
	11:14:50	0.00705362	0.001	0.00473038	0.002	0	0.0005	0.00800361	9E-04	0	0.038
	11:19:51	0.00000004	0.002	0	0.002	0	0.0006	0.00937265	0.001	0	0.043
	11:24:51	0	0.002	0	0.002	0	0.0006	0.0097939	0.001	0	0.043
	11:29:50	0	0.002	0	0.002	0	0.0006	0.00968859	0.001	0	0.042
10/04/95	11:34:50	0.00284339	0.001	0	0.002	0	0.0005	0.00895141	9E-04	0	0.036
10/04/95	11:39:51	0_	0.002	0	0.002	0	0.0005	0.00989921	0.001	0	0.038
10/04/95	11:44:51	0	0.002	0	0.002	0	0.0006	0.01000452	0.001	0	0.041
 _	11:49:51	0_	0.002	0	0.002	. 0	0.0006	0.01000452	0.001	0	0.042
	11:54:50	0	0.002	. 0	0.002	0	0.0006	0.01021514	0.001	0	0.039
	11:59:50	0_	0.002	0	0.002	0	0.0005	0.01021514	0.001	0	0.04
	12:04:52	0	0.002	0	0.002	0	0.0005	0.01010983	0.001 9E-04	0	0.038
10/04/95	12:09:52	<u> </u>	0.001	0	7 7 7 7	0	0.0005	0.00968859	9E-04	0	0.036
	12:14:51	0	0.001	0	0.002	0	0.0005	0.01010983	0.001	0	0.036
	12:24:52	0	0.002	0	0.002	0	0.0005	0.0097939	9E-04	0	0.039
	12:29:52	Ö	0.001	Ö	0.002	0	0.0005	0.00947796	0.001	0.	0.039
	12:34:51	0	0.002	0	0.002	0	0.0005	0.00989921	0.001	o	0.038
	12:39:51	0	0.001	0	0.002	0	0.0005	0.01000452	9E-04	0	0.039
	12:44:52	0	0.001	0	0.002	0	0.0005	0.00968859	9E-04	0	0.038
10/04/95	12:49:51	0	0.001	0	0.002	0	0.0005	0.00937265	8E-04	. 0	0.04
10/04/95	12:54:51	0_	0.001	0	0.002	0	0.0005	0.00958328	8E-04	0	0.037
10/04/95	12:59:52	0	0.001	0	0.002	. 0	0.0005	0.00947796	8E-04	0	0.036
	13:04:52	0_	0.001	0	0.002	. 0	0.0005	0.00947796	9E-04	0	0.036
l	13:09:51		0.001	0	0.002	0	0.0004	0.00916203	8E-04	0	0.037
	13:14:51	0	0.001	0	0.002	0	0.0005	0.00937265	8E-04	0	0.037
	13:19:52	<u> </u>	0.002	0	0.002	0	0.0005	0.00958328	0.001	0	0.037
	13:24:52 13:29:51	<u>0</u>	0.001	0	0.002	0	0.0005	0.00905672 0.00926734	9E-04 9E-04	0	0.037
	13:34:52		0.001	. 0	0.002	0	0.0005	0.00926734	9E-04	0	0.036
	13:39:52	0	0.001	0	0.002	0	0.0005	0.00947796	9E-04	0	0.035
·	13:44:51	<u>o</u> _	0.001	0	0.002	0	0.0005	0.01000452	9E-04	ō	0.031
·	13:49:51	0.00179028	0.001	0	0.002	0	0.0004	0.00989921	8E-04	ō	0.03
	13:54:52	0	0.001	0	0.002	0	0.0005	0.01063638	9E-04	0	0.031
10/04/95	13:59:51	0	0.002	. 0	0.002	0	0.0005	0.01126825	0.001	0	0.031
10/04/95	14:04:50	0.00136904	0.001	0	0.002	0	0.0005	0.01000452	8E-04	0	0.031
10/04/95		0.00326463	0.001	0.00221153	0.002	0		0.00916203	8E-04	0	0.035
	14:14:51	0.00326463	0.001	0	0.002	0	0.0004	0.00947796	8E-04	0	0.032
Run 25	1100 ==									ļ	
10/04/95		0	0.001	0	0.001	0	0.0004	0.00905672	8E-04	0	0.033
10/04/95		0	0.001	0		0		0.00811487	8E-04	0	0.037
10/04/95		0	0.001	0		0.00052713	0.0004	0.00769613	8E-04	0	0.044
10/04/95 10/04/95		0	0.001	0	0.002	0	0.0004	0.00790264	8E-04 8E-04	0	0.041
10/04/95		O_	0.001	0		0	0.0004	0.0086418	8E-04	-	0.034
10/04/95		0	0.001	0	0.002	0	+	0.00959367	8E-04	10	0.036
10/04/95	$\overline{}$	0	0.001	0		- 0	0.0004	0.00749613	8E-04	 	0.045
10/04/95		0	0.001	0	0.001		0.0004	0.00760309	7E-04	 0	0.044
10/04/95		ō	0.001	0	0.001	- 0	0.0004	0.00844016	8E-04	1 0	0.041
10/04/95		0	0.001	0	0.002	0.000844	0.0005	0.00791254	9E-04	1 0	0.046
10/04/95		0	0.001	0		0.00084323	0.0005	0.0077999			0.046
10/04/95		0	0.001	0		0		0.00738639	8E-04		0.047
10/04/95		0	0.001	ō	0.001	ō		0.00727943	7E-04		0.049
10/04/95		0	0.001	0	0.002	0		0.00834205	8E-04		0.046
10/04/95		0	0.001	0	0.002	0.00073795		0.00769579	9E-04		0.048
10/04/95	15:59:59	0	0.002	0	0.002	0.00094984		0.00738763	0.001	0	0.05

l lowind da			1								
	ata in ppm	01.05		001.4		TCFM		CL2F2	 -	LICC	
Date	Time	CL3F	0504 01	CCL4	050/ 01		95% CI		059/ 01	HCC	95% C
100105	10.05.00	ppm	95% CI	ppm	95% CI	ppm 0.0010549		ppm	95% C1 9E-04	ppm	
10/04/95	16:05:00	0	0.001	0	0.002	0.0010548	0.0005	0.00770002	9E-04	0	0.05
10/04/95	16:10:00	0	0.001	0	0.002	0.00116134	0.0005	0.00781264		0	0.049
10/04/95	16:14:59	0	0.002	0	0.002	0.00168953	0.0006		0.001	0	0.05
10/04/95	16:20:00	0	0.002	0	0.002	0.00158249	0.0006	0.00780693	0.001	0	0.052
10/04/95	16:25:00		0.002	0	0.002	0.00168829	0.0006	0.00812491	0.001	0	0.05
Run 26									25.21		
	17:19:51	0	0.001	0	0.002	0	0.0005	0.01131288	9E-04	0	0.035
10/04/95	17:24:52	0	0.002	0	0.002	0	0.0005	0.01090375	0.001	0	0.042
10/04/95	17:29:52	0	0.002	0	0.002	0	0.0006	0.01026296	0.001	0	0.048
10/04/95	17:34:52	0	0.002	0	0.002	0	0.0006	0.0110076	0.001	0	0.048
	17:39:53	0	0.002	0	0.002	0.00074117	0.0006	0.00984693	0.001	0	0.053
10/04/95	17:44:52	0	0.002	0	0.002	0.00084705	0.0006	0.00984693	0.001	0	0.051
10/04/95	17:49:52		0.002	0	0.002	0.00095362	0.0006	0.00985412	0.001	0	0.05
10/04/95	17:54:53	0	0.002	0	0.002	0.00095328	0.0006	0.00974461	0.001	0	0.052
10/04/95	17:59:52	0	0.002	0	0.002	0	0.0006	0.0117485	0.001	0	0.044
10/04/95	18.04.52	0	0.002	0	0.002	0.00105842	0.0006	0.0097375	0.001	0	0.051
10/04/95	18:09:53	0	0.002		0.002	0.00084627	0.0006	0.00983795	0.001	0	0.052
10/04/95	18:14:53	0	0.002	0	0.002	0.00105765	0.0006	0.00973038	0.001	0	0.052
	18:19:52	0	0.002	. 0	0.002	0	0.0006	0.01025921	0.001	0	0.047
10/04/95	18:24:53	0	0.002	0	0.002	0	0.0006	0.0116299	0.001	0	0.041
10/04/95	18:29:53	0	0.002	0	0.002	0.00073954	0.0006	0.01003666	0.001	0	0.049
10/04/95	18:34:52	0	0.002	0	0.002	0	0.0006	0.01055911	0.001	0	0.042
10/04/95	18:39:53	0	0.002	0	0.002	0.00116108	0.0006	0.00949972	0.001	0	0.052
10/04/95	18:44:53	0	0.002	0	0.002	0.00084425	0.0006	0.00960338	0.001	0	0.051
10/04/95	18:49:52	0	0.002	0	0.002	0.00073791	0.0006	0.00969824	0.001	_0	0.05
10/04/95	18:54:53	0	0.002	. 0	0.002	0.00073696	0.0006	0.00968579	0.001	0	0.051
10/04/95	18:59:53	0	0.002	0	0.002	0.00063109	0.0006	0.00978193	0.001	0	0.051
10/04/95	19:04:52	0	0.002	0	0.002	0	0.0006	0.00987984	0.001	0	0.052
10/04/95	19:09:53	0	0.002	0	0.002	0	0.0007	0.01007705	0.001	0	0.051
10/04/95	19:14:53	0	0.002	0	0.002	0	0.0007	0.01006405	0.001	0	0.052
10/04/95	19:19:52	0	0.002	0	0.002	0	0.0007	0.0099482	0.001	0	0.052
10/04/95	19:24:53	0	0.002	0	0.002	0	0.0007	0.00982712	0.001	0	0.052
10/04/95	19:29:53	0	0.002	0	0.003	0	0.0008	0.00939676	0.001	0	0.053
10/04/95	19:34:52	0	0.002	0	0.003	0	0.0008	0.00938631	0.002	0	0.055
10/04/95	19:39:52	0	0.003	0	0.003	0	0.001	0.00927169	0.002	0	0.055
10/04/95	19:44:53	0	0.031	0	0.037	0	0.0109	0	0.02	0	0.055
10/04/95	19:49:53	0	0.003	0	0.003	0	0.001	0.00924416	0.002	0	0.055
10/04/95	19:54:54	0	0.003	0	0.003	0	0.0009	0.0091401	0.002	0	0.054
10/04/95	19:59:54	0	0.003	0	0.003	0	0.0009	0.00902951	0.002	0	0.054
10/04/95	20:04:53	0	0.003	0	0.003	0	0.0009	0.00871164	0.002	0	0.054
10/04/95	20:09:53	0	0.002	0	0.003	0.00082922	0.0008	0.00860312	0.001	0	0.054
10/04/95	20:14:54	0	0.002	0	0.002		0.0007	0.00890742	0.001	0	0.053
10/04/95		0	0.002	0	0.002	0.00072475		0.00880055	0.001	Ö	0.053
10/04/95	20:24:55	0	0.002	0	0.002	0.00072448		0.00859027	0.001	0	0.053
10/04/95		0	0.002	Ö	0.002	0.00072407	0.0006	0.00868889	0.001	0	0.054
10/04/95		0	0.002	0	0.002	0.00072,07	0.0007	0.0087874	0.001	ō	0.055
10/04/95		0	0.002	0	0.003	0.00082643	0.0007	0.00867752	0.001	0	0.057
10/04/95		0	0.002	0	0.002	0.00092939		0.008571	0.001	0	0.056
10/04/95		0	0.002	0	0.003	0.00092923	0.0007	0.00877608	0.001	0	0.056
10/04/95		0	0.002	0	0.003	0.00092975	0.0008	0.00888432	0.002	0	0.056
10/04/95		0	0.002	0	0.003	0.00032973	0.0008	0.00908753	0.001	0	0.055
10/04/95		0	0.002	0	0.003	0.00072247	0.0007	0.00908733	0.001	1 0	0.056
10/04/95		0	0.002	0	0.003	0.00072247	0.0007	0.00897922	0.001	- 0	0.056
10/04/95		0	0.002	0	0.003	0.00082552		0.00908242	0.001	0	0.054
10/04/95			0.002	0	0.002	0.00082552	0.0007	0.00918391	0.001	0	0.05
10/04/95		0	0.002		0.003					0	0.05
10/04/95				- 0		0.00103076	0.0007	0.00907072			
		0	0.002	0	0.003	0.00103038	0.0008	0.00896428	0.001	0	0.056
10/04/95		0	0.002	0	0.003	0.00113384		0.00896764	0.001		0.054
10/04/95		0	0.002	0	0.003	0.00103115		0.00907412		0	0.053
10/04/95		0	0.002	0	0.003	0.00092804	0.0007	0.00928035	0.001	0	0.054
10/04/95		0	0.002	0	0.003	0.00092804	0.0007	0.00928035		0	0.054
10/04/95		0	0.002	0	0.003		0.0007		0.001	0	

100A495 21.59.54	
Date Time CL3F SCCL4 TCFM SCC Dpm SFX-C	
100A495 21.59.54 0 0.002 0 0.003 0.0012368 0.0004 0.00917208 0.001 0 100A495 22.09.55 0 0.002 0 0.003 0.00103057 0.0007 0.00917208 0.001 0 100A495 22.19.55 0 0.002 0 0.003 0.00102999 0.0007 0.00918691 0.001 0 100A495 22.19.54 0 0.002 0 0.003 0.00102941 0.0008 0.00918715 0.001 0 100A495 22.19.54 0 0.002 0 0.003 0.00102941 0.0008 0.00918737 0.001 0 100A495 22.29.55 0 0.002 0 0.003 0.00102941 0.0008 0.0091837 0.001 0 100A495 22.29.55 0 0.002 0 0.003 0.00096612 0.0008 0.0091837 0.001 0 100A495 22.29.55 0 0.002 0 0.003 0.00096612 0.0007 0.00995737 0.001 0 100A495 22.29.55 0 0.002 0 0.003 0.00096612 0.0007 0.0099583 0.001 0 100A495 22.29.55 0 0.002 0 0.003 0.00096829 0.0007 0.0099583 0.001 0 100A495 0.22.955 0 0.002 0 0.003 0.00092719 0.0007 0.0095883 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.0095883 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.00918885 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.00918885 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.00918885 0.001 0 100A495 0.002 0 0.003 0.00092719 0.0007 0.00918885 0.001 0 100A495 0.002 0 0.003 0.00092879 0.0008 0.0091825 0.001 0 100A495 0.002 0 0.003 0.00092879 0.0008 0.0091825 0.001 0 100A495 0.002 0 0.003 0.00092879 0.0008 0.0091825 0.001 0 100A495 0.003 0.003 0.00092879 0.0008 0.0092859 0.002 0 0.003 0.00082899 0.002 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.002 0 0.003 0.00082899 0.0002 0 0.003 0.00082899 0.0002 0 0.003 0.00082899 0.0002 0 0.003 0.	
100A495 22:04:55 0 0.002 0 0.003 0.00103057 0.0007 0.00917208 0.001 0 100A495 22:09:55 0 0.002 0 0.003 0.00103999 0.0007 0.00916891 75 0.001 0 100A495 22:14:54 0 0.002 0 0.003 0.00102841 0.0008 0.00916891 75 0.001 0 100A495 22:19:54 0 0.002 0 0.003 0.00102841 0.0008 0.00916375 0.001 0 100A495 22:24:54 0 0.002 0 0.003 0.00092614 0.0008 0.00916337 0.001 0 100A495 22:24:55 0 0.002 0 0.003 0.00092614 0.0008 0.00916335 0.001 0 100A495 22:24:55 0 0.002 0 0.003 0.00092614 0.0008 0.00916335 0.001 0 100A495 0.22:45:5 0 0.002 0 0.003 0.00092614 0.0007 0.00905732 0.001 0 100A495 0.22:45:5 0 0.002 0 0.003 0.00092838 0.0007 0.00908732 0.001 0 100A495 0.22:45:5 0 0.002 0 0.003 0.00092719 0.0007 0.0092717 0.001 0 100A495 0.002 0 0.003 0.00092719 0.0007 0.0092717 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.0092717 0.001 0 100A495 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.0091685 0.001 0 100A495 0.002 0 0.002 0 0.003 0.0009259 0.0008 0.00916055 0.001 0 100A495 0.002 0 0.003 0.0009259 0.0008 0.00916055 0.001 0 100A495 0.002 0 0.002 0 0.003 0.0009259 0.0008 0.00916055 0.001 0 100A495 0.003 0.0009259 0.0008 0.009250 0.003 0.0009259 0.0008 0.009250 0.000 0.003 0.0009259 0.0008 0.009250 0.000 0.0009259 0.0008 0.0009250 0.000 0.0009259 0.0008 0.0009250 0.000 0.0009259 0.0008 0.000914821 0.000 0.0009259 0.0008 0.0009250 0.0009259 0.00	95% C
1004/95 22:91:55 0 0.002 0 0.003 0.00102999 0.0007 0.00916691 0.001 0 1004/95 22:19:54 0 0.002 0 0.003 0.00102941 0.0008 0.00916175 0.001 0 1004/95 22:19:54 0 0.002 0 0.003 0.00102847 0.0008 0.00916373 0.001 0 1004/95 22:29:55 0 0.002 0 0.003 0.00092632 0.0007 0.0093533 0.001 0 1004/95 22:29:55 0 0.002 0 0.003 0.00092632 0.007 0.0093732 0.001 0 1004/95 22:39:56 0 0.002 0 0.003 0.00092632 0.007 0.0093230 0.001 0 1004/95 22:39:56 0 0.002 0 0.003 0.00092719 0.0007 0.00926839 0.001 0 1004/95 22:39:56 0 0.002 0 0.003 0.00092719 0.0007 0.00926853 0.001 0 1004/95 22:39:56 0 0.002 0 0.003 0.00092719 0.0007 0.00926853 0.001 0 1004/95 22:39:56 0 0.002 0 0.003 0.00092719 0.0007 0.0092685 0.001 0 1004/95 0.002545 0 0.002 0 0.003 0.00092719 0.0007 0.00927185 0.001 0 1004/95 0.0025457 0 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.00916713 0.001 0 1004/95 0.0025457 0 0.002 0 0.003 0.00016924 0.0008 0.00916713 0.001 0 1004/95 0.003 0.0005457 0.0008 0.0092699 0.002 0 0.003 0.00092597 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005457 0.0008 0.0092699 0.002 0 0.003 0.00092597 0.0008 0.0092699 0.002 0 0.003 0.00092599 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005458 0.0007 0.00092599 0.0002 0 0.003 0.00092599 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005459 0.0008 0.0092699 0.002 0 0.003 0.00092599 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005459 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005459 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005459 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005459 0.0008 0.0005459 0.002 0 0.003 0.0005269 0.0008 0.0092699 0.002 0 1004/95 0.003 0.0005269 0.0008 0.00052699 0.0002 0 0.003 0.00052699 0.0008 0.00052699 0.002 0 0.0	0.056
10/04/95 22:14:54	0.054
1007495 22:19:54	0.053
1004/95 22:24:54	0.053
10/04/95 22:29:55 0 0.002 0 0.003 0.00082382 0.0007 0.00905732 0.001 0 10/04/95 22:39:56 0 0.002 0 0.003 0.00082386 0.0007 0.009267187 0.001 0 10/04/95 22:39:56 0 0.002 0 0.003 0.00082719 0.0007 0.00927187 0.001 0 10/04/95 22:49:57 0 0.002 0 0.003 0.00092719 0.0007 0.00916885 0.001 0 10/04/95 22:49:57 0 0.002 0 0.002 0 0.003 0.00092719 0.0007 0.00916713 0.001 0 10/04/95 22:59:55 0 0.002 0 0.002 0 0.003 0.00102024 0.0008 0.00916025 0.001 0 10/04/95 22:59:55 0 0.002 0 0.003 0.00102024 0.0008 0.00916025 0.001 0 10/04/95 22:304:55 0 0.002 0 0.003 0.00092587 0.0008 0.0092589 0.002 0 10/04/95 23:304:55 0 0.002 0 0.003 0.00016025 0.0003 0.00916025 0.001 0 10/04/95 23:394:56 0 0.002 0 0.003 0.000162789 0.0008 0.00914821 0.002 0 10/04/95 23:14:56 0 0.002 0 0.003 0.000162789 0.0008 0.00914821 0.002 0 10/04/95 23:29:55 0 0.002 0 0.003 0.00002789 0.0008 0.009246 0.002 0 10/04/95 23:29:55 0 0.002 0 0.003 0 0.0008 0.009246 0.002 0 10/04/95 23:29:55 0 0.002 0 0.003 0 0.0008 0.0092446 0.002 0 10/04/95 23:29:55 0 0.002 0 0.003 0.00092356 0.0008 0.0082494 0.002 0 10/04/95 23:34:56 0 0.002 0 0.003 0.00092356 0.0008 0.0082494 0.002 0 10/04/95 23:34:56 0 0.002 0 0.003 0.00092356 0.0008 0.0082494 0.002 0 10/04/95 23:34:56 0 0.002 0 0.003 0.00092356 0.0008 0.0082495 0.002 0 10/04/95 23:49:55 0 0.002 0 0.003 0.00092356 0.0008 0.0082452 0.001 0 10/04/95 23:49:55 0 0.002 0 0.003 0.00092356 0.0008 0.0082452 0.001 0 10/04/95 23:49:55 0 0.002 0 0.003 0.00092356 0.0007 0.0084683 0.001 0 10/04/95 23:49:55 0 0.002 0 0.003 0.00092356 0.0007 0.0084683 0.001 0	0.053
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D004/95 22:39:56	0.054
100/4/95 22:44:55	0.053
10/04/95 22:95:57	0.054
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10/05/95 00:14:55 0 0.002 0 0.002 0.00102866 0.0007 0.0088649 0.001 0 10/05/95 00:19:55 0 0.002 0 0.002 0.00113217 0.0007 0.00885148 0.001 0 10/05/95 00:29:57 0 0.002 0 0.002 0.00123555 0.0007 0.00875348 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00133555 0.0007 0.0089544 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00113315 0.0007 0.00884649 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00113315 0.0007 0.00884649 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.0088415 0.001 0 10/05/95 00:54:56 0 0.002	0.054
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10/05/95 00:24:56 0 0.002 0 0.002 0.00123579 0.0007 0.00875348 0.001 0 10/05/95 00:29:57 0 0.002 0 0.002 0.00123555 0.0007 0.00875184 0.001 0 10/05/95 00:34:56 0 0.002 0 0.002 0.00113217 0.0007 0.0089544 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00113153 0.0007 0.00884649 0.001 0 10/05/95 00:44:55 0 0.002 0 0.002 0.0012337 0.0007 0.00884649 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.0013337 0.0007 0.00884649 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00123374 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002	0.054
10/05/95 00:29:57 0 0.002 0 0.002 0.00123555 0.0007 0.00875184 0.001 0 10/05/95 00:34:56 0 0.002 0 0.002 0.00113217 0.0007 0.0089544 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00113153 0.0007 0.00884649 0.001 0 10/05/95 00:44:55 0 0.002 0 0.002 0.00113368 0.0007 0.0088415 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.00873705 0.001 0 10/05/95 00:54:56 0 0.002 0 0.002 0.00123344 0.0007 0.00862918 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00863406 0.001 0 10/05/95 01:14:56 0 0.002	0.054
10/05/95 00:34:56 0 0.002 0 0.002 0.00113217 0.0007 0.089544 0.001 0 10/05/95 00:39:55 0 0.002 0 0.002 0.00113153 0.0007 0.00884649 0.001 0 10/05/95 00:44:55 0 0.002 0 0.002 0.0012337 0.0007 0.0088415 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.00862918 0.001 0 10/05/95 00:54:56 0 0.002 0 0.002 0.00123374 0.0007 0.00862918 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00123344 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002	0.053
10/05/95 00:39:55 0 0.002 0 0.002 0.00113153 0.0007 0.00884649 0.001 0 10/05/95 00:44:55 0 0.002 0 0.002 0.0012337 0.0007 0.0088415 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.00863496 0.001 0 10/05/95 00:54:56 0 0.002 0 0.002 0.00123344 0.0007 0.00863406 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00133344 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.0085025 0.001 0 10/05/95 01:19:56 0 0.002	0.055
10/05/95 00:44:55 0 0.002 0 0.002 0.0012337 0.0007 0.0088415 0.001 0 10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.00862918 0.001 0 10/05/95 00:54:56 0 0.002 0 0.002 0.00123274 0.0007 0.00863406 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00133572 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00862431 0.001 0 10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.0085022 0.001 0 10/05/95 01:24:56 0 0.002	0.053
10/05/95 00:49:56 0 0.002 0 0.002 0.00113068 0.0007 0.00873705 0.001 0 10/05/95 00:54:56 0 0.002 0 0.002 0.00123274 0.0007 0.00862918 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00123344 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00862431 0.001 0 10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.00862269 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002	0.053
10/05/95 00:54:56 0 0.002 0 0.002 0.00123274 0.0007 0.00862918 0.001 0 10/05/95 00:59:56 0 0.002 0 0.002 0.00123344 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00873356 0.001 0 10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.00852269 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.0084955 0.001 0 10/05/95 01:34:56 0 0.002	0.053
10/05/95 00:59:56 0 0.002 0 0.002 0.00123344 0.0007 0.00863406 0.001 0 10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00863436 0.001 0 10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.008502269 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.0084955 0.001 0 10/05/95 01:34:56 0 0.002 0 0.002 0.00133095 0.0007 0.00849787 0.001 0 10/05/95 01:34:55 0 0.002	0.053
10/05/95 01:04:57 0 0.002 0 0.002 0.00133572 0.0007 0.00873356 0.001 0 10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.0085022 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.0084955 0.001 0 10/05/95 01:34:56 0 0.002 0 0.002 0.00133095 0.0007 0.0084955 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002	0.053
10/05/95 01:09:55 0 0.002 0 0.002 0.00133471 0.0007 0.00862431 0.001 0 10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.00852269 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.0013245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.0084955 0.001 0 10/05/95 01:34:56 0 0.002 0 0.002 0.00133095 0.0007 0.0084955 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002	0.053
10/05/95 01:14:56 0 0.002 0 0.002 0.00133446 0.0007 0.0862269 0.001 0 10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.0848955 0.001 0 10/05/95 01:29:55 0 0.002 0 0.002 0.00133095 0.0007 0.0839519 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.0840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00133296 0.0007 0.0840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.0841422 0.001 0 10/05/95 01:44:56 0 0.002 <t< td=""><td>0.053</td></t<>	0.053
10/05/95 01:19:56 0 0.002 0 0.002 0.00133245 0.0007 0.0085072 0.001 0 10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.00848955 0.001 0 10/05/95 01:29:55 0 0.002 0 0.002 0.00133095 0.0007 0.00839519 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.00840787 0.001 0 10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.00841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002	0.054
10/05/95 01:24:56 0 0.002 0 0.002 0.00132969 0.0007 0.00848955 0.001 0 10/05/95 01:29:55 0 0.002 0 0.002 0.00133095 0.0007 0.00839519 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.00841422 0.001 0 10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.00841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002	0.054
10/05/95 01:29:55 0 0.002 0 0.002 0.00133095 0.0007 0.00839519 0.001 0 10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.00841422 0.001 0 10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.00841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.054
10/05/95 01:34:55 0 0.002 0 0.002 0.00133296 0.0007 0.00840787 0.001 0 10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.00841422 0.001 0 10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.00841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.053
10/05/95 01:39:55 0 0.002 0 0.002 0.00123135 0.0007 0.0841422 0.001 0 10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.0841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.053
10/05/95 01:44:56 0 0.002 0 0.002 0.00133371 0.0007 0.0841263 0.001 0 10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.053
10/05/95 01:49:56 0 0.002 0 0.002 0.00143684 0.0007 0.00831317 0.001 0 10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.051
10/05/95 01:54:55 0 0.002 0 0.002 0.00143549 0.0007 0.0082028 0.001 0 10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.052
10/05/95 01:59:55 0 0.002 0 0.003 0.00153745 0.0007 0.00799472 0.001 0	0.053
	0.052
1 / 1 / 1/08/7/1001 / 1/09/21 / 1/09	0.055
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10/05/95 02:24:55 0 0.002 0 0.002 0.00153745 0.0007 0.00819971 0.001 0	0.053
10/05/95 02:29:55 0 0.002 0 0.003 0.00153629 0.0007 0.00809111 0.001 0	0.054
	0.053
10/05/95 02:39:56 0 0.002 0 0.003 0.00153542 0.0007 0.00808652 0.001 0	0.054
	0.053
10/05/95 02:49:55 0 0.002 0 0.002 0.00143522 0.0007 0.00809874 0.001 0	0.053
10/05/95 02:54:55 0 0.002 0 0.002 0.00133321 0.0007 0.0083069 0.001 0	0.054
	0.053
10/05/95 03:04:56 0 0.002 0 0.003 0.0015326 0.0007 0.00817385 0.001 0	0.053

Site: PO1	TW in smal	1									
	ata in ppm										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	03:09:56	0	0.002	0	0.002	0.00132703	0.0007	0.0083705	0.001	0	0.053
	03:14:55	0	0.002	0	0.003	0.00142749	0.0007	0.00815707	0.001	0	0.053
	03:19:55	0	0.002	0	0.003	0.00142521	0.0007	0.00855127	0.001	0	0.054
	03:24:56	0	0.002	0	0.002	0.00091675	0.0007	0.00886195	0.001	0	0.054
10/05/95	03:29:56	0	0.002	0	0.002	0.00081505	0.0007	0.00906739	0.001	0	0.054
10/05/95	03:34:56	0	0.002	0	0.002	0.00081538	0.0007	0.00907106	0.001	ō	0.054
10/05/95	03:39:55	0	0.002	0	0.002	0.00081566	0.0007	0.00897229	0.001	0	0.054
	03:44:55	0	0.002	0	0.002	0.00071291	0.0007	0.0090642	0.001	ō	0.054
10/05/95	03:49:55	0	0.002	0	0.002	0.0008143	0.0007	0.00895727	0.001	0	0.054
	03:54:56	0	0.002	- 0	0.002	0.00091556	0.0007	0.00874872	0.001	0	0.054
	03:59:56	Ö	0.002		0.002	0.00081368	0.0007	0.00884878	0.001	0	0.054
10/05/95	04:04:56	0	0.002	0	0.002	0.00081383	0.0007	0.00885045	0.001	0	0.055
10/05/95	04:09:56		0.002	0	0.002	0.00071197	0.0007	0.00884878	0.001	0	0.054
	04:05:58	0	0.002	0	0.002	0.00071197	0.0007	0.00884878	0.001	0	0.054
10/05/95	04:14:57	- 0	0.002	0	0.002	0.00071197	0.0007	0.00894396	0.001	0	0.054
		- 0	0.002		0.002	0.00091438	0.0007			0	0.054
10/05/95 10/05/95	04:24:57 04:29:57	0	0.002	0	0.002	0.00091438	0.0007	0.00883897	0.001	0	0.054
10/05/95		0	0.002	0	0.002					0	0.054
10/05/95	04:34:58 04:39:58	0	0.002	0	0.002	0.00081185	0.0007	0.00882891	0.001	0	0.053
			0.002		0.003	0.00101405					0.032
	04:44:58	0		0			0.0007	0.0089154	0.001	0	
10/05/95	04:49:57		0.002	0	0.002	0.00101254	0.0007	0.00891031	0.001	.0	0.048
10/05/95	04:54:57	0	0.002	0	0.002	0.0010116	0.0007	0.00880095	0.001	0	0.048
10/05/95	04:59:58	0	0.002	0	0.002	0.00111192	0.0007	0.00879425	0.001	0	0.047
	05:04:58	0	0.002	0	0.002	0.00101045	0.0007	0.00889194	0.001	0	0.047
10/05/95	05:09:58	0	0.002	0	0.003	0.00111086	0.0007	0.00888686	0.001	0	0.046
10/05/95	05:14:57	0	0.002	0	0.002	0.00100913	0.0007	0.00877944	0.001	0	0.047
	05:19:57	0	0.002	0	0.002	0.00100875	0.0007	0.00897785	0.001	0	0.047
	05:24:58	0	0.002	0	0.002	0.00100817	0.0007	0.00887189	0.001	0	0.047
10/05/95	05:29:58	0	0.002	0	0.002	0.00100743	0.0007	0.0088654	0.001	0	0.047
10/05/95	05:34:58	0	0.002	0	0.002	0.00100724	0.0007	0.0088637	0.001	0	0.047
	05:39:57	0	0.002	0	0.002	0.00100705	0.0007	0.00896271	0.001	0	0.047
10/05/95	05:44:57	0	0.002	0	0.002	0.00100592	0.0007	0.00885214	0.001	0	0.048
10/05/95	05:49:57	0	0.002	0	0.002	0.00100573	0.0007	0.00885044	0.001	0	0.047
10/05/95	05:54:58	0	0.002	0	0.002	0.00100535	0.0007	0.00884706	0.001	0	0.048
	05:59:58	0	0.002	0	0.002	0.00100423	0.0007	0.00883719	0.001		0.048
10/05/95	06:04:57	0	0.002		0.003	0.00110423	0.0007	0.00883381	0.001	0	0.048
10/05/95	06:09:57	0	0.002		0.003	0.0011038	0.0007	0.00883043	0.001	0	0.048
	06:14:57	0-	0.002	- 0	0.002	0.00110359	0.0007	0.00872841-	0.001	0	0.048
	06:19:58	0	0.002	0	0.002	0.00110317	0.0007	0.00872506	0.001	0	0.048
10/05/95	06:24:58	0	0.002	0	0.003	0.00110317	0.0007	0.00872506	0.001	0	0.047
10/05/95	06:29:58	0	0.002	0	0.003	0.00110275	0.0007	0.00882197	0.001	0	0.047
	06:34:58	0	0.002	0	0.003	0.00110173	0.0007	0.00871365	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.00110109	0.0007	0.00870863	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.00110025	0.0007	0.00870195	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.00109944	0.0007	0.00869556	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.0009993	0.0007	0.00869389	0.001	0	0.048
10/05/95		0	0.002	0	0.003	0.00109859	0.0007	0.00868887	0.001	0	0.047
10/05/95	07:04:59	0	0.002	o	0.003	0.00109838	0.0007	0.0086872	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.001098	0.0007	0.00868416	0.001	0	0.047
10/05/95	07:14:59	0	0.002	0	0.003	0.001098	0.0007	0.00878398	0.001	0	0.048
10/05/95		0	0.002	0	0.003	0.00109779	0.0007	0.00878229	0.001	0	0.049
10/05/95		0	0.002	0	0.003	0.0010974	0.0007	0.00877922	0.001	0	0.048
10/05/95		0	0.002	ō	0.003	0.0010974	0.0007	0.00867946	0.001	0	0.048
10/05/95		0	0.002	0	0.003	0.00109677	0.0007	0.00877415	0.001	0	0.047
10/05/95		0	0.002	0	0.003	0.00099652	0.0007	0.0087694	0.001	0	0.048
10/05/95		0	0.002	0	0.003	0.00039032	0.0007	0.00877109	0.001	0	0.048
10/05/95		0	0.002	0	0.002	0.00089704	0.0007	0.00877109	0.001	0	0.048
10/05/95		0	0.002		0.002				1	+	0.048
10/05/95				0		0.00069824	0.0007	0.00897734	0.001	0	+
10/05/95			0.002	0	0.002		0.0007	0.00907915	0.001	1-0	0.048
10/05/95		0	0.002	0	0.002	0	0.0007	0.00918422	0.001	0	0.049
10/05/95		0	0.002	0	0.002		+ 	0.00929297	0.001	0	
10/05/85	UO.14:58	0	0.002	0	0.002	0	0.0007	0.0093983	0.001	0	0.049

1000598 53-955		W in smal										
											1100	
1006/95 08:19:58 0 0.002 0 0.002 0 0.0006 0.0030077 0.001 0 0.006 0.0030579 0 0.001 0 0.002 0 0.0006 0.0030589 0 0.002057 0 0.0006 0.0030589 0 0.002057 0 0.0006 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.0030589 0 0.0006 0 0.	Date	Time									-	
1000969	100000	20 40 50										
1005959 08.29.59												
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1009595 08:59:57 0.00240763 0.002 0 0.002 0 0.0006 0.00882828 0.001 0 0.001											·	0.046
1000595 09:04-58 0.00290932 0.002											_	0.046
Destroy				—			0			0.001	0	0.045
	10/05/95	09:09:57	0.00501798	0.001	0	0.002	0	0.0005	0.00822949	9E-04	0	0.041
1000995 15:34:52	Downwind	<u> </u>										
10005/95 15:39:52 0 0.002 0 0.003 0.0027694 0.0009 0.00902282 0.002 0 0.003 0.00037694 0.008 0.009339 0.002 0 0.003 0.00037694 0.008 0.009339 0.002 0 0.003 0.005/95 15:49:51 0 0.002 0 0.003 0.00277695 0.009 0.00944175 0.002 0 0.003 0.00595 15:59:52 0 0.003 0 0.003 0.00317731 0.0099 0.00944175 0.002 0 0.003 0.00595 15:59:52 0 0.003 0 0.003 0.00379439 0.001 0.00971695 0.002 0 0.003 0.003 0.003 0.00379439 0.001 0.00971695 0.002 0 0.003 0.003 0.003 0.00319049 0.001 0.00971695 0.002 0 0.03 0.003 0.003 0.00319049 0.001 0.00971695 0.002 0 0.003 0.003 0.003 0.00319049 0.001 0.0097697 0.002 0 0.003 0.003 0.003 0.003 0.00319069 0.001 0.0097695 0.003 0.003 0.003 0.003 0.003 0.004 0.00482807 0.001 0.00636632 0.002 0 0.003 0.003 0.003 0.004 0.00482808 0.001 0.00636632 0.002 0 0.003 0.	Run 27							-				
1005/95 15:44:51	10/05/95	15:34:52	0	0.002	0	0.003	0.00348487	0.0009	0.0084047	0.002	0	0.036
1005/95 15:49:51	10/05/95	15:39:52	0	0.002	0		0.00276836		0.00902282		0	0.034
1005/95 15:54:52												0.033
1005955 15:59:52	10/05/95											0.033
1005955 16:04:52	10/05/95				<u> </u>							0.033
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10/05/95 17:04:54	10/05/95										0	0.041
10/05/95	10/05/95	16:59:55	0	0.003	0	0.003	0.00534049	0.0009	0.00246484	0.002	0	0.043
0/05/95 17:14:55	10/05/95	17:04:54	0	0.003	0	0.003		0.001	0.00236132	0.002	0	0.042
0/05/95 17:19:55 0 0.003 0 0.004 0.00543812 0.0011 0.00523291 0.002 0 0.03 0.005495 17:24:54 0 0.003 0 0.004 0.00543825 0.0011 0.00605391 0.002 0 0.03 0.00595 17:29:55 0 0.003 0 0.003 0.00533764 0.001 0.00390058 0.002 0 0.03 0.00595 17:34:56 0 0.003 0 0.003 0.00543724 0.0009 0.0019492 0.002 0 0.04 0.00595 17:34:56 0 0.003 0 0.003 0.00543724 0.0009 0.0019492 0.002 0 0.04 0.00595 17:34:56 0 0.003 0 0.003 0.00543825 0.0009 0 0.0019492 0.002 0 0.04 0.00595 17:44:54 0 0.003 0 0.003 0.00543825 0.0009 0 0.00256569 0.002 0 0.04 0.00595 17:49:56 0 0.003 0 0.003 0.00533664 0.0009 0.00256569 0.002 0 0.04 0.00595 17:59:54 0 0.003 0 0.003 0.00533664 0.0009 0.00256569 0.002 0 0.05 0.00595 17:59:54 0 0.003 0 0.003 0.00533665 0.001 0.0028725 0.002 0 0.05 0.00595 17:59:54 0 0.003 0 0.004 0.0054365 0.001 0.0048208 0.002 0 0.03 0.00595 18:04:54 0 0.003 0 0.004 0.00532968 0.0011 0.0048208 0.002 0 0.03 0.00595 18:04:56 0 0.003 0 0.004 0.00501751 0.0011 0.00686067 0.002 0 0.03 0.00595 18:14:56 0 0.003 0 0.004 0.0054304 0.0011 0.00726483 0.002 0 0.03 0.00595 18:24:55 0 0.003 0 0.004 0.0054304 0.001 0.00573215 0.002 0 0.03 0.00595 18:24:55 0 0.003 0 0.004 0.00572265 0.001 0.0024348 0.002 0 0.03 0.00595 18:34:55 0 0.003 0 0.004 0.00572265 0.001 0.0024348 0.002 0 0.00 0.00595 18:34:55 0 0.003 0 0.004 0.00572265 0.001 0.0024468 0.002 0 0.00 0.00595 18:34:55 0 0.003 0 0.004 0.00572265 0.001 0.0024466 0.002 0 0.00 0.00595 18:34:55 0 0.003 0 0.004 0.00572479 0.001 0.0024466 0.002 0 0.00 0.00595 18:34:55 0 0.003 0 0.004 0.00572479 0.001 0.0024466 0.002 0 0.00 0.00595 18:34:55 0 0.003 0 0.004 0.0057038 0.001 0.0024465 0.002 0 0.00 0.00595 18:34:55	10/05/95	17:09:55	0	0.003	0	0.003	0.00554693	0.001	0.00308163	0.002	0	0.043
0/05/95 17:24:54	10/05/95	17:14:55	0	0.003	0	0.004	0.0056507	0.0011		0.002	0	0.04
0/05/95			0	0.003	0	0.004	0.00543812	0.0011	0.00523291	0.002	0	0.036
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0/05/95 18:39:54 0 0.003 0 0.003 0.00571944 0.001 0.00234906 0.002 0 0.04 0/05/95 18:44:54 0 0.003 0 0.004 0.00571301 0.001 0.00244843 0.002 0 0.04 0/05/95 18:49:55 0 0.003 0 0.004 0.00560678 0.001 0.0024466 0.002 0 0.04 0/05/95 18:54:55 0 0.003 0 0.004 0.00570551 0.001 0.00244345 0.002 0 0.04 0/05/95 18:59:55 0 0.003 0 0.004 0.00570138 0.001 0.00244345 0.002 0 0.04 0/05/95 19:04:55 0 0.003 0 0.004 0.00559642 0.001 0.00244345 0.002 0 0.02 0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.0024558 0.002 0										 -	-	0.04
0/05/95 18:44:54 0 0.003 0 0.004 0.00571301 0.001 0.00244843 0.002 0 0.00 0/05/95 18:49:55 0 0.003 0 0.004 0.00560678 0.001 0.0024466 0.002 0 0.04 0/05/95 18:54:55 0 0.003 0 0.004 0.00570551 0.001 0.00224145 0.002 0 0.04 0/05/95 18:59:55 0 0.003 0 0.004 0.00570138 0.001 0.00244345 0.002 0 0.02 0/05/95 19:04:55 0 0.003 0 0.004 0.00559642 0.001 0.00264558 0.002 0 0.04 0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.00284587 0.002 0 0.04 0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00248266 0.002 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.041</td>												0.041
0/05/95 18:49:55 0 0.003 0 0.004 0.00560678 0.001 0.0024466 0.002 0 0.04 0/05/95 18:54:55 0 0.003 0 0.004 0.00570551 0.001 0.00224145 0.002 0 0.04 0/05/95 18:59:55 0 0.003 0 0.004 0.00570138 0.001 0.00244345 0.002 0 0.02 0/05/95 19:04:55 0 0.003 0 0.004 0.00559642 0.001 0.00264558 0.002 0 0.02 0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.00284587 0.002 0 0.04 0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00284266 0.002 0 0.04 0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.04</td>												0.04
0/05/95 18:59:55 0 0.003 0 0.004 0.00570138 0.001 0.00244345 0.002 0 0.00 0/05/95 19:04:55 0 0.003 0 0.004 0.0059642 0.001 0.00264558 0.002 0 0.04 0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.00284587 0.002 0 0.04 0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00284266 0.002 0 0.04 0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 0.04 0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.0031893 0.002 0<						0.004				+	+	0.041
0/05/95 18:59:55 0 0.003 0 0.004 0.00570138 0.001 0.00244345 0.002 0 0.00 0/05/95 19:04:55 0 0.003 0 0.004 0.0059642 0.001 0.00264558 0.002 0 0.04 0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.00284587 0.002 0 0.04 0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00284266 0.002 0 0.04 0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 0.04 0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.0031893 0.002 0<	10/05/95	18:54:55			0	0.004		0.001		-	0	0.041
0/05/95 19:09:56 0 0.003 0 0.004 0.00548847 0.001 0.00284587 0.002 0 0.02 0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00284266 0.002 0 0.04 0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 0.04 0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.0031893 0.002 0 0.04	10/05/95	18:59:55	0	0.003	0		0.00570138	0.001	0.00244345	0.002	0	0.04
0/05/95 19:14:56 0 0.003 0 0.004 0.00548227 0.0011 0.00284266 0.002 0 0.04 0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 0.04 0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.0031893 0.002 0 0.04	10/05/95	19:04:55		0.003	0	0.004	0.00559642	0.001	0.00264558	0.002	0	0.041
0/05/95 19:19:55 0 0.003 0 0.004 0.00547711 0.0011 0.00314427 0.002 0 0.04 0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.00313893 0.002 0 0.04			0	0.003	0			0.001			0	0.041
0/05/95 19:24:56 0 0.003 0 0.004 0.00547298 0.0011 0.00314189 0.002 0 0.04 0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.00313893 0.002 0 0.04			0		0		0.00548227				0	0.041
0/05/95 19:29:56 0 0.003 0 0.004 0.00536656 0.0011 0.00313893 0.002 0 0.04			0		0					+		0.041
			0		0						→	0.042
0/05/95 19:34:57 0 0.003 0 0.004 0.00546265 0.0012 0.00333829 0.002 0 0.04											+	0.042
	10/05/95	19:34:57	0	0.003	0	0.004	0.00546265	0.0012	0.00333829	0.002	0	0.042

Small town POTW

Sito: POT	W in smal			<u> </u>	T						
Upwind da						-					
Date	Time	CL3F		CCL4		TCFM		CL2F2		нсс	
Date	Tillie	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/05/95	19:39:55	0	0.003	0	0.004	0.00535354	0.0012	0.00343435	0.002	0	0.043
10/05/95	19:44:55	0	0.003	0	0.004	0.00545042	0.0012	0.00343175	0.002	- 0	0.043
	19:49:56	0	0.003	- ö	0.004	0.00544733	0.0011	0.0034298	0.002	0	0.043
	19:54:56	- 0	0.003	0	0.004	0.00544423	0.0011	0.00362949	0.002	0	0.043
10/05/95		- 0	0.003	- 0	0.004	0.00533936	0.0012	0.00352599	0.002	0	0.043
	19:59:55	0	0.003	0	0.004	0.00533530	0.0011	0.00352398	0.002	0	0.044
	20:04:55		_							0	
	20:09:55	0	0.003	0	0.004	0.00533227	0.0012	0.00362192	0.002		0.043
	20:14:56	0	0.003	0	0.004	0.00532636	0.0012	0.0036179	0.002	0	0.044
	20:19:56	0	0.003	0	0.004	0.00532636	0.0012	0.0037184	0.002	0	0.044
	20:24:55	0	0.003	0	0.004	0.00532535	0.0011	0.00351674	0.002	0	0.044
	20:29:55	0	0.004	0	0.004	0.00542066	0.0012	0.00331263	0.002	0	0.044
	20:34:56		0.004	0	0.004	0.00521692	0.0012	0.00331074	0.002	0	0.045
<u> </u>	20:39:56	0	0.003	0	0.004	0.00511286	0.0011	0.00300757	0.002	0	0.045
10/05/95	20:44:56	0	0.003	0	0.003	0.00489551	0.001	0.00299725	0.002	0	0.045
10/05/95	20:49:55	0	0.003	0	0.003	0.00498109	0.001	0.0022913	0.002	0	0.045
	20:54:55	0	0.003	0_	0.003	0.00497918	0.001	0.00219084	0.002	0	0.047
	20:59:56	0	0.003	0	0.003	0.00507486	0.001	0.00238817	0.002	0	0.046
10/05/95	21:04:56	0	0.003	0	0.003	0.00517239	0.001	0.00198938	0.002	0	0.046
10/05/95	21:09:56	0	0.003	0	0.003	0.00506902	0.001	0.00228603	0.002	0	0.046
10/05/95	21:14:56	0	0.003	0	0.003	0.00506122	0.001	0.00238175	0.002	0	0.046
10/05/95	21:19:57	0	0.003	0	0.003	0.00525079	0.001	0.00217957	0.002	0	0.046
10/05/95	21:24:57	0	0.003	0	0.004	0.0052437	0.001	0.00227557	0.002	0	0.046
10/05/95	21:29:56	0	0.003	0	0.003	0.0051398	0.001	0.00247106	0.002	0	0.047
10/05/95	21:34:56	0	0.003	0	0.004	0.00513086	0.001	0.00217075	0.002	0	0.047
10/05/95	21:39:57	0	0.003	0	0.004	0.00512689	0.001	0.00236626	0.002	0	0.047
10/05/95	21:44:57	0	0.003	0	0.004	0.00512114	0.001	0.00206815	0.002	0	0.047
10/05/95	21:49:57	0	0.003	0	0.004	0.00512114	0.001	0.00226512	0.002	0	0.048
	21:54:56	0	0.003	0	0.004	0.00521659	0.001	0.00255908	0.002	0	0.047
	21:59:56	0	0.003	0	0.004	0.00511915	0.001	0.00236269	0.002	0	0.047
	22:04:57	0	0.003	0	0.004	0.00511816	0.001	0.0022638	0.002	0	0.048
	22:09:57	0	0.003	0	0.003	0.00511617	0.001	0.00206615	0.002	0	0.048
	22:14:57	0	0.003	0	0.003	0.00511142	0.001	0.00245741	0.002	0	0.048
	22:19:57	0	0.003	0	0.004	0.00510943	0.001	0.00245646	0.002		0.048
	22:24:58	0		0	0.004	0.0050102	0.001	0.00245598	0.002	0	0.049
	22:29:58	Ö	0.003	0	0.004	0.00510546	0.001	0.00245390	0.002	0	0.048
	22:34:58	0	0.003	0	0.004	0.00510340	0.001	0.0028434	0.002	0	0.048
	22:39:58	0							0.002		
	22:44:59		0.003	0	0.004	0.00519151	0.001	0.00274268		0	0.047
		0	0.003	0	0.004	0.00509157	0.001	0.0026437	0.002	0	0.049
	22:49:59	0	0.003	0	0.004	0.00518847	0.001	0.00254529	0.002	0	0.049
	22:54:58	0	0.003	0	0.004	0.00518667	0.001	0.00244654	0.002	0	0.048
	22:59:58	0	0.003	0	0.004	0.00517757	0.0011	0.0029307	0.002	0	0.047
10/05/95			0.003	0	0.004	0.00507691	0.001	0.00292898	0.002	0	0.048
10/05/95		0	0.003	0	0.004	0.00507691	0.001	0.00312425	0.002	0	0.048
	23:14:59		0.003	0	0.004	0.00497538	0.001	0.00302425	0.002	0	0.048
	23:19:58	0	0.003	0		0.00507294	0.001	0.00263403	0.002	0	0.049
10/05/95		0		0	0.004	0.00507393	0.0011	0.00302484	0.002	0	0.049
10/05/95		0	0.003	0	0.004	0.00507195	0.0011	0.00282859	0.002	0	0.048
10/05/95		0	0.003	0	0.004	0.00497149	0.0011	0.00292441	0.002	0	0.049
10/05/95		0	0.003	0	0.004	0.00506798	0.0011	0.00311876	0.002	0	0.048
10/05/95		0	0.003	0	0.004	0.00506996	0.0011	0.00321748	0.002	0	0.048
10/05/95	23:50:00	0	0.003	0	0.004	0.00497246	0.0011	0.00311998	0.002	0	0.049
10/05/95	23:55:00	0	0.003	0	0.004	0.00506599	0.0011	0.00292269	0.002	0	0.049
	00:00:00		0.003	0	0.004	0.00506203	0.0011	0.00301775	0.002	0	0.049
10/06/95		0	0.003	0	0.004	0.00496176	0.0011	0.00321055		0	0.049
10/06/95		0	0.003	0	0.004	0.00505806	0.0011	0.00301538	0.002	0	0.05
10/06/95		0		0	0.004	0.00495981	0.0011	0.00330654	0.002	0	0.05
10/06/95		0	•	0	0.004	0.00495787	0.0011	0.00330034	0.002	0	0.05
10/06/95		0		0	0.004	0.00495787	0.0011	0.00349907	0.002	0	0.049
10/06/95		0	0.003	0	0.004		0.0011	0.00339794	 	0	0.049
10/06/95				 		0.00495517	+		+	-	
10/06/95		0	0.003	0	0.004	0.0050563	0.0011	0.00320881	0.002	0	0.05
10/06/95		0	0.003	0	0.004	0.00505233	0.0011	0.00330345	+	0	0.05
10/00/92	00.45:01	0	0.003	0	0.004	0.0048542	0.0011	0.00339794	0.002	0	0.05

Small town POTW

Site: PO	TW in small		Ţ		T		<u> </u>	<u> </u>	Γ		
	ata in ppm		- 	-	 		 				
Date	Time	CL3F		CCL4	 	TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
10/06/95	00:50:01	0	0.003	0	0.004	0.00495128	0.0011	0.00339794	0.002	0	0.051
10/06/95	00:55:01	0	0.004	0	0.005	0.00485515	0.0013	0.00407833	0.002	0	0.051
10/06/95	01:00:02	0	0.003	0	0.004	0.00485897	0.0011	0.0033041	0.002	0	0.05
10/06/95	01:05:02	0	0.003	0	0.004	0.00476179	0.0011	0.0028182	0.002	0	0.05
Run 28	<u> </u>		1								
10/06/95	08:59:50	0	0.003	0	0.003	0.00322438	0.0009	0.00683959	0.002	0	0.041
10/06/95	09:04:49	0	0.003	0	0.003	0.00410694	0.001	0.00518257	0.002	0	0.044
10/06/95	09:09:49	0	0.003	0	0.003	0.00234783	0.0009	0.0089022	0.002	0	0.038
10/06/95	09:14:49	0	0.003	0	0.003	0.00215468	0.0009	0.00950019	0.002	0	0.037
10/06/95	09:19:50	0	0.003	0	0.003	0.00225349	0.0009	0.00940589	0.002	0	0.037
10/06/95	09:24:50	0	0.003	0	0.003	0.00225567	0.001	0.00961113	0.002	0	0.037
10/06/95	09:29:50	0	0.003	0	0.003	0.00206032	0.001	0.01020351	0.002	0	0.037
10/06/95	09:34:50	0	0.003	0	0.003	0.00176872	0.0009	0.01090711	0.002	0	0.039
10/06/95	09:39:50	Ó	0.003	0	0.003	0.00167175	0.0009	0.01091553	0.002	0	0.04
10/06/95	09:44:50	0	0.003	0	0.003	0.0021626	0.0009	0.01012492	0.002	Ó	0.038
10/06/95	09:49:51	0	0.003	0	0.003	0.0033417	0.001	0.00786282	0.002	0	0.04
10/06/95	09:54:51	0	0.003	0	0.004	0.00472315	0.0011	0.00551034	0.002	0	0.043
10/06/95	09:59:51	0	0.003	0	0.004	0.00462653	0.0011	0.0056109	0.002	0	0.043
10/06/95	10:04:51	0	0.003	0	0.004	0.00452809	0.001	0.0056109	0.002	0	0.041
10/06/95	10:09:50	0	0.003	0	0.004	0.00443477	0.001	0.00571593	0.002	0	0.042
10/06/95	10:14:50	0	0.003	0	0.004	0.00433705	0.001	0.00620987	0.002	0	0.041
	10:20:18	0	0.003	0	0.004	0.00483528	0.0011	0.00434189	0.002	0	0.055
10/06/95	10:25:11	0	0.003	0	0.004	0.0049368	0.0011	0.00434439	0.002	0	0.056
10/06/95	10:30:11	0	0.003	0	0.004	0.00484271	0.0011	0.00484271	0.002	0	0.057
10/06/95	10:35:11	0	0.003	0	0.004	0.0046495	0.001	0.00494628	0.002	0	0.056
Run 29											
10/06/95	10:54:50	0	0.003	0	0.003	0.00326204	0.001	0.00850108	0.002	0	0.04
10/06/95	11:00:00	0	0.003	0	0.003	0.00346107	0.001	0.00751547	0.002	0	0.041
10/06/95	11:04:52	0	0.003	0	0.003	0.00366586	0.001	0.00723264	0.002	0	0.043
10/06/95	11:09:54	0	0.003	0	0.003	0.00327268	0.0009	0.00763624	0.002	0	0.045
10/06/95	11:14:52	0	0.002	0	0.003	0.00178441	0.0008	0.00981428	0.002	0	0.038
	11:19:53	0	0.002	0	0.003	0.00119075	0.0008	0.01051826	0.002	0	0.037
10/06/95	11:24:53	0	0.002	0	0.003	0.00158796	0.0008	0.01032177	0.002	0	0.039
	11:29:53	0	0.002	0	0.003	0.00169011	0.0009	0.01024009	0.002	0	0.038
	11:34:53	0	0.003	0	0.003	0.00159337	0.0009	0.01105398	0.002	0	0.038
	11:39:54	0	0.002	0	0.003	0.00089542	0.0009	0.01183938	0.002	0	0,041
	11:44:54	0	0.003	0	0.003	0.0020909	0.0009	0.01035491	0.002	0	0.037
	11:49:54	0	0.003	0	0.004	0.00348416	0.001	0.00915837	0.002	0	0.037
10/06/95	11:54:57	0	0.003	0	0.004	0.00389049	0.0011	0.00857902	0.002	0	0.036

Site: POT	W in your	small town in S	WILE		i			_			
	data in pp		, vv U.S.								
Date	Time	H2O	<u> </u>	CO2		SF6		CH4		NH3	
	71110	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% Ci
Run 1			1	E.E.		P.P.					
08/01/95	19:39:45	26358.5635	293.1	476.28	30.32	0.0819149	0.0004	2.1340	0.208	0.06539086	0.011
08/01/95	19:44:45	26409.3676	295.1	478.57	32.67	0.10936119	0.0004	2.2083	0.214	0.07700641	0.011
08/01/95	19:49:46	26533.6463	295.8	479.17	35.19	0.14705805	0.0004	2.2093	0.212	0.08335641	0.012
08/01/95	19:54:46	27010.732	285.6	481.40	32.53	0.0859611	0.0004	2.1193	0.21	0.06207742	0.011
08/01/95	19:59:46	26980.9662	284.8	482.53	32.32	0.09539855	0.0004	2.1588	0.216	0.06537873	0.011
	20:04:47	26996.9835		484.95	41.39	0.14365188	0.0005	2.3308	0.212	0.08512331	0.014
	20:09:47	27175.0806		488.39	37.54	0.16950999	0.0004	2.3535	0.214	0.09064706	0.013
	20:14:48	27038.2201	+	488.70	32.02	0.04823542	0.0004	2.2072	0.224	0.06605937	0.011
	20:19:47	27199.2074	-	503.31	136.8	0.17142886	0.0016	2.3582	0.222	0.08858332	0.047
	20:24:48	27180.066		491.34	30.37	0.02667071	0.0004	2.1135	0.233	0.04840985	0.011
	20:29:47	27203.1926	-	493.67	25.71	0.00100625	0.0003	2.0770 2.0722	0.237 0.245	0.03783518	0.009
	20:34:49	27220.4449 27141.6844		491.78 489.26	25.41 25.44	0.00100588	0.0003	2.0722	0.243	0.03922936	0.009
08/01/95		27193.8642		495.81	26.1	0.00090329	0.0003	2.0979	0.244	0.04294313	0.009
	20:49:48	27152.0273		492.79	25.81	0.00100569	0.0003	2.0839	0.261	0.02675146	0.009
08/01/95		27161.682		491.28	25.79	0.00070399	0.0003	2.1371	0.269	0.04958071	0.009
08/01/95		27200.5737		497.22	26.68	0.0071391	0.0003	2.2290	0.262	0.07782624	0.009
08/01/95		27289.1119	+	495.52	27.41	0.025133	0.0003	2.2397	0.252	0.08565327	0.01
08/01/95		27286.4497		502.16	28.69	0.03206375	0.0003	2.2463	0.245	0.08995942	0.01
Run 2											
08/02/95	10:54:38	28191.3834	237.4	530.25	38.51	0.05613853	0.0005	2.0248	0.265	0.04720055	0.013
08/02/95	10:59:39	28412.114	239.5	534.87	39.28	0.06180829	0.0005	2.0193	0.269	0.05135615	0.014
08/02/95	11:04:39	28141.1938		531.34	38.9	0.05684642	0.0005	1.9793	0.273	0.0505078	0.014
	11:09:38	28541.033		540.89	39.25	0.05434102	0.0005	1.9743	0.275	0.0542402	0.014
	11:14:38	28362.6162	238.4	540.87	38.22	0.05017002	0.0005	1.9647	0.277	0.05239083	0.013
	11:19:39	27487.4996		529.88	36.44	0.0486019	0.0004	1.9474	0.273	0.04769439	0.013
08/02/95	11:24:39	27699.7558		532.81	37.25	0.05218085	0.0004	1.9553	0.268	0.0526855	0.013
08/02/95	11:29:38	27941.5972		535.33	37.54	0.05350282	0.0004	1.9386	0.28	0.05400757	0.013
	11:34:38	· · · · · · · · · · · · · · · · · · ·	******	528.49 530.29	36.92 37.24	0.05635738	0.0004	1.9492 1.9597	0.271 0.281	0.05222384	0.013
08/02/95	11:39:39	28276.8196 28288.6584		528.18	37.24	0.06174639 0.06202614	0.0004	1.9287	0.288	0.05779021	0.013
		CONTINUE	1 241.9	1320.10	37.31	0.00202014	0.0004	1.3207	0.280	0.03779021	0.013
	11:59:39	27215.0626	254 1	519.81	35.19	0.05374605	0.0004	1.8982	0.275	0.04991425	0.012
08/02/95	12:04:39	27615.2219	250.9	525.14	35.44	0.05570311	0.0004	1.9298	0.273	0.05257486	0.012
,	12:09:39	27759.2611	253	522.41	34.9	0.0532098	0.0004	1.9208	0.274	0.05543108	0.012
08/02/95	12:14:40	···	253.4	523.47	35.13	0.05745536	0.0004	1.9072	0.284	0.05755651	0.012
08/02/95	12:19:40	27750.6301		517.63	34.8	0.05730135	0.0004	1.9024	0.286	0.06073741	0.012
08/02/95	12:24:39	27674.4224		510.53	34.43	0.06422083	0.0004	1.9452	0.272	0.06513104	0.012
08/02/95	12:29:39	27980.7552		513.13	34.41	0.05918416	0.0004	1.9115	0.284	0.06687305	0.012
08/02/95	12:34:40	27529.4074	270	506.90	33.83	0.05750178	0.0004	1.9013	0.28	0.06568745	0.012
08/02/95	12:39:40	27812.1952	272.8	508.60	34.41	0.06349932	0.0004	1.9145	0.269	0.06430823	0.012
	12:44:40				33.71	0.06516518	0.0004	1.9240	0.271	0.06779607	0.012
	12:49:41			·	31.99	0.05847598	0.0004	1.8883	0.274	0.06292744	0.011
	12:54:41			508.67	32.86	0.06214098	0.0004	1.8941	0.28	0.06295064	0.011
		27970.8116		509.56	32.24	0.0626701	0.0004	1.8988	0.271	0.06509996	0.011
		28290.9586		514.08	32.75	0.06333585	0.0004	1.9107	0.275	0.06566661	0.011
	13:09:41			513.66	33.26	0.05708443	0.0004	1.8793	0.278	0.06762934	0.012
	13:20:16 13:25:16			517.06 510.27	32.1 31.85	0.05289393	0.0004	1.8453	0.283	0.06984841 0.06973408	0.011
08/02/95		27024.9467		508.43	31.38	0.04942258	0.0004	1.8480	0.282	0.06109321	0.011
	13:35:15				32.26	0.05346376	0.0004	1.8126	0.294	0.06109321	0.011
08/02/95		29106.3195	258.1	514.29	32.14	0.05370376	0.0004	1.8479	0.291	0.07190331	0.011
08/02/95	13:45:15	29043.8926	266.1	510.56	33.28	0.06130744	0.0004	1.8611	0.294	0.0765328	0.012
08/02/95		29011.5133	262.5	}	32.9	0.06090143	0.0004	1.8469	0.294	0.07572078	0.011
08/02/95		28970.4887	262.5	 	33.1	0.06185869	0.0004	1.8391	0.302	0.07963418	0.012
08/02/95		28640.982	265.2	! 	31.79	0.05921777	0.0004	1.8432	0.287	0.07536806	0.011
08/02/95		27902.8327	269.9		31.77	0.05669924	0.0004	1.8591	0.277	0.07427803	0.011
	14:10:19	27900.342	267.9		32.11	0.06051275	0.0004	1.8495	0.286	0.0775987	0.011
	14:15:15	27880.8151	264.1	509.63	31.8	0.05776679	0.0004	1.8495	0.284	0.08115827	0.011
08/02/95		28200.9344	273.7	510.01	32.86	0.06787265	0.0004	1.8323	0.3	0.08395043	0.011
08/02/95		28226.3618	292.1	501.86	29.93	0.04702087	0.0004	1.7819	0.301	0.08223563	0.01

isiie: PUT	W in very	mall town in S	W U.S.						- · · · ·		
_	data in pp							2.41			
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/02/95	14:40:42	27280.9179	272.3	494.89	30.52	0.05001823	0.0004	1.7733	0.305	0.07416144	0.011
08/02/95	14:45:42	27460.8205	254.7	498.65	30.66	0.05144441	0.0004	1.7977	0.301	0.07589323	0.011
08/02/95	14:50:44	28035.0741	254.8	505.31	32.05	0.05955033	0.0004	1.7751	0.32	0.08102917	0.011
08/02/95	14:55:42	27765.0121	248.4	507.14	30.29	0.05314696	0.0004	1.7825	0.308	0.0787023	0.011
08/02/95	15:00:42	28302.5867	255	506.62	32.15	0.06140516	0.0004	1.7788	0.321	0.08798352	0.011
08/02/95	15:05:43	28249.0025	255.8	500.65	31.38	0.05433657	0.0004	1.7828	0.311	0.09022114	0.011
08/02/95	15:10:43	28044.7677	265.2	499.34	31.48	0.05677285	0.0004	1.7896	0.311	0.08887958	0.011
08/02/95	15:15:42	27693.5533	267	495.68	32.01	0.06094066	0.0004	1.7821	0.313	0.08876139	0.011
08/02/95	15:20:42	27995.6393	272.2	496.38	31.01	0.05514203	0.0004	1.7662	0.313	0.08755454	0.011
08/02/95	15:25:43	28144.0881	275.2	500.31	30.65	0.05323328	0.0004	1.7895	0.307	0.09167954	0.011
08/02/95	15:30:43	27984.0489	272.2	499.87	31.66	0.06213961	0.0004	1.8057	0.303	0.08846477	0.011
08/02/95	15:35:43	27164.4403	256.2	499.03	30.87	0.05522141	0.0004	1.7809	0.301	0.08921166	0.011
08/02/95	15:40:43	28013.1134	257.5	503.51	30.61	0.05861125	0.0004	1.7969	0.311	0.09332871	0.011
08/02/95	15:45:44	29065.4699	261.6	510.62	30	0.04986623	0.0004	1.7727	0.321	0.09707564	0.01
08/02/95	15:50:46	28855.8489	259.2	513.37	30.04	0.05129628	0.0004	1.7823	0.322	0.0948111	0.01
	15:55:43	29242.381	267.1	515.39	28.58	0.04148117	0.0003	1.7615	0.325	0.09924754	0.01
	16:00:43	27999.4367	262.4	508.60	28.18	0.03627746	0.0003	1.7390	0.325	0.08925895	0.01
	16:05:44	28861.792	269.9	509.06	29.37	0.04771153	0.0004	1.7404	0.336	0.08979188	0.01
08/02/95	16:10:44	29498.1856	284.9	506.06	29.8	0.04179606	0.0004	1.7526	0.34	0.09895832	0.01
08/02/95	16:15:45	29968.6133	292.9	504.24	27.15	0.01042831	0.0003	1.7481	0.327	0.0802571	0.009
08/02/95	16:20:45	29053.2251	290.7	498.44	26.33	0.00397855	0.0003	1.7718	0.299	0.07630659	0.009
08/02/95	16:25:45	29090.384	287.8	500.10	26.53	0.01417218	0.0003	1.7820	0.298	0.08024104	0.009
	16:30:45	28643.2459	283.2	500.85	26.38	0.00570652	0.0003	1,7749	0.297	0.07550944	0.009
-	16:35:46	28635.3563	286.3	501.85	26.44	0.0004076	0.0003	1.7312	0.302	0.0320983	0.009
	16:40:46	28682.3688	299.3	501.89	26.58	0.00539671	0.0003	1.7593	0.304	0.05712362	0.009
	16:45:45	28763.6638	300.8	502.43	26.6	0.00936271	0.0003	1.7675	0.302	0.06004345	0.009
	16:50:45	28657.2526	303.5	498.14	27.11	0.02484065	0.0003	1.8088	0.294	0.08622963	0.009
	16:55:46	29373.0783	301.8	501.89	26.57	0.01608491	0.0003	1.8097	0.289	0.0821552	0.009
	17:00:45	28954.8637	296	496.47	25.75	0.00223679	0.0003	1.8094	0.276	0.06334188	0.009
08/02/95	17:05:45	29108.7468	295	498.13	26.41	0.02053083	0.0003	1.8392	0.281	0.07714305	0.009
08/02/95	17:10:46	28634.3672	286.1	493.90	26.3	0.01614852	0.0003	1.8288	0.276	0.07779726	0.009
08/02/95	17:19:54	29417.6772	325.7	511.56	31.29	0.03921774	0.0004	1.8274	0.282	0.09875556	0.011
08/02/95	17:26:58	29495.2738	330.5	512.64	30.9	0.02847427	0.0004	1.8240	0.282	0.0952871	0.011
08/02/95	17:32:18	29008.4218	331.3	514.78	40.35	0.12506041	0.0005	17.2000	0.282	0.09211766	0.014
Run 3			İ								
08/02/95	17:56:31	28774.3033	280.4	498.58	25.42	0.00791878	0.0003	1.8574	0.265	0.05776647	0.009
08/02/95	18:01:31	28797.5746	285.6	501.72	25.51	0.00568632	0.0003	1.8568	0.267	0.06062027	0.009
	18:06:32	29217.4487	289.3	501.01	25.97	0.01177881	0.0003	1.8476	0.284	0.06650968	0.009
	18:11:32	29403.965	294	501.08	26.01	0.01036295	0.0003	1.8416	0.288	0.0713215	0.009
08/02/95	18:16:31	28869.9853	297.8	497.13	26.53	0.01888619	0.0003	1.8638	0.277	0.0727017	0.009
08/02/95	18:21:31	29316.2486	299.3	497.25	28.68	0.04041352	0.0003	1.8790	0.278	0.07503917	0.01
08/02/95		29138.3783		494.22	26.98	0.03106026	0.0003	1.8773	0.273	0.07034235	0.009
08/02/95		29191.2619	295.5		25.45	0.01116545	0.0003	1.8824	0.267	0.0667897	0.009
08/02/95		29284.0367	295.5		26.74	0.02547753	0.0003	1.8895	0.276	0.07267694	0.009
08/02/95		29236.4313	296.4	493.92	27.65	0.03349636	0.0003	1.8682	0.284	0.06942881	0.01
08/02/95		29224.5517	294.9	•	26.32	0.02861889	0.0003	1.8831	0.275	0.0730695	0.009
08/02/95		29284.9355	294.6	492.61	27.18	0.02831003	0.0003	1.9145	0.271	0.07449029	0.009
08/02/95		29363.5867	293.2		30.71	0.06687889	0.0004	1.9388	0.264	0.08413141	0.011
08/02/95		29074.4135	291.2		30.75	0.06207475	0.0004	1.9478	0.26	0.08662065	0.011
08/02/95		28933.9145	292		26.73	0.00207473	0.0003	1.9178	0.265	0.08882083	0.009
	+		288.8		26.6	0.03842046	0.0003	1.9295	0.257	0.07517319	0.009
	19:11:31	/H/1011111111		, 	ں.ںے						
08/02/95		28750.5684 28722.6126		+	20 04	N 05608066	በ በ በበበለ	1 1 444	n 252	0.0788807	0.01
08/02/95 08/02/95	19:16:32	28722.6126	285.5	489.00	29.94	0.05698066	0.0004	1.9541	0.252	0.0788807	0.01
08/02/95 08/02/95 08/02/95	19:16:32 19:21:32	28722.6126 28438.3436	285.5 281.2	489.00 486.58	25.56	0.02108504	0.0003	1.9406	0.247	0.07136474	0.009
08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32	28722.6126 28438.3436 28251.0265	285.5 281.2 278.8	489.00 486.58 488.27	25.56 25.24	0.02108504 0.01419971	0.0003 0.0003	1.9406 1.9063	0.247 0.256	0.07136474 0.0670429	0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33	28722.6126 28438.3436 28251.0265 28189.4607	285.5 281.2 278.8 274	489.00 486.58 488.27 487.96	25.56 25.24 24.98	0.02108504 0.01419971 0.01004122	0.0003 0.0003 0.0003	1.9406 1.9063 1.9133	0.247 0.256 0.252	0.07136474 0.0670429 0.06460867	0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32	28722.6126 28438.3436 28251.0265 28189.4607 28168.038	285.5 281.2 278.8 274 273.5	489.00 486.58 488.27 487.96 485.95	25.56 25.24 24.98 25.67	0.02108504 0.01419971 0.01004122 0.02291816	0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221	0.247 0.256 0.252 0.252	0.07136474 0.0670429 0.06460867 0.06358268	0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32 19:41:32	28722.6126 28438.3436 28251.0265 28189.4607 28168.038 28309.2906	285.5 281.2 278.8 274 273.5 275.3	489.00 486.58 488.27 487.96 485.95 485.58	25.56 25.24 24.98 25.67 27.25	0.02108504 0.01419971 0.01004122 0.02291816 0.04713856	0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221 1.9660	0.247 0.256 0.252 0.252 0.255	0.07136474 0.0670429 0.06460867 0.06358268 0.07075853	0.009 0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32 19:41:32 19:46:33	28722.6126 28438.3436 28251.0265 28189.4607 28168.038 28309.2906 28385.9984	285.5 281.2 278.8 274 273.5 275.3 269.8	489.00 486.58 488.27 487.96 485.95 485.58 485.70	25.56 25.24 24.98 25.67 27.25 25	0.02108504 0.01419971 0.01004122 0.02291816 0.04713856 0.01631507	0.0003 0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221 1.9660 1.9410	0.247 0.256 0.252 0.252 0.255 0.255	0.07136474 0.0670429 0.06460867 0.06358268 0.07075853 0.06931373	0.009 0.009 0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32 19:41:32 19:46:33 19:51:32	28722.6126 28438.3436 28251.0265 28189.4607 28168.038 28309.2906 28385.9984 28266.882	285.5 281.2 278.8 274 273.5 275.3 269.8 269.6	489.00 486.58 488.27 487.96 485.95 485.58 485.70 483.51	25.56 25.24 24.98 25.67 27.25 25 25.02	0.02108504 0.01419971 0.01004122 0.02291816 0.04713856 0.01631507 0.0100267	0.0003 0.0003 0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221 1.9660 1.9410	0.247 0.256 0.252 0.252 0.255 0.25 0.252	0.07136474 0.0670429 0.06460867 0.06358268 0.07075853 0.06931373 0.06218578	0.009 0.009 0.009 0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32 19:41:32 19:46:33 19:51:32 19:56:32	28722.6126 28438.3436 28251.0265 28189.4607 28168.038 28309.2906 28385.9984 28266.882 28192.7781	285.5 281.2 278.8 274 273.5 275.3 269.8 269.6 268.7	489.00 486.58 488.27 487.96 485.95 485.58 485.70 483.51 484.27	25.56 25.24 24.98 25.67 27.25 25 25.02 25.7	0.02108504 0.01419971 0.01004122 0.02291816 0.04713856 0.01631507 0.0100267 0.03319524	0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221 1.9660 1.9410 1.9237 2.0001	0.247 0.256 0.252 0.252 0.255 0.25 0.252 0.252	0.07136474 0.0670429 0.06460867 0.06358268 0.07075853 0.06931373 0.06218578 0.07458809	0.009 0.009 0.009 0.009 0.009 0.009 0.009
08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95 08/02/95	19:16:32 19:21:32 19:26:32 19:31:33 19:36:32 19:41:32 19:46:33 19:51:32	28722.6126 28438.3436 28251.0265 28189.4607 28168.038 28309.2906 28385.9984 28266.882	285.5 281.2 278.8 274 273.5 275.3 269.8 269.6 268.7 266.7	489.00 486.58 488.27 487.96 485.95 485.58 485.70 483.51	25.56 25.24 24.98 25.67 27.25 25 25.02	0.02108504 0.01419971 0.01004122 0.02291816 0.04713856 0.01631507 0.0100267	0.0003 0.0003 0.0003 0.0003 0.0003 0.0003	1.9406 1.9063 1.9133 1.9221 1.9660 1.9410	0.247 0.256 0.252 0.252 0.255 0.25 0.252	0.07136474 0.0670429 0.06460867 0.06358268 0.07075853 0.06931373 0.06218578	0.009 0.009 0.009 0.009 0.009 0.009

Site: POT	W in very	small town in S	W U.S.	·							
Downwind	data in pp	mv									
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/02/95	20:11:32	27683.9691	259.9	487.00	26.95	0.0472852	0.0003	2.0260	0.226	0.07082676	0.009
08/02/95	20:16:33	27612.8611	259.9	487.64	29.16	0.05917467	0.0003	2.0551	0.222	0.07139333	0.01
08/02/95	20:21:33	27612.7317	260.3	487.86	28.48	0.05511503	0.0003	2.0362	0.226	0.07116501	0.01
08/02/95	20:26:32	27578.121	258.1	487.08	27.31	0.04842586	0.0003	2.0602	0.219	0.07082281	0.009
08/02/95	20:31:32	27613.989	255.8	487.41	25.67	0.0245065	0.0003	2.0565	0.224	0.07069572	0.009
08/02/95	20:36:33	27600.9067	257.4	489.18	29.49	0.05905597	0.0004	2.0812	0.219	0.07296335	0.01
08/02/95	20:41:33	27616.0411	254	488.58	25.82	0.02922023	0.0003	2.0687	0.22	0.06619894	0.009
08/02/95	20:46:34	27639.1362	251.3	489.51	26.46	0.0356556	0.0003	2.0800	0.218	0.06869243	0.009
08/02/95	20:51:34	27645.5963	254.8	491.85	31.53	0.08868673	0.0004	2.1311	0.22	0.07700948	0.011
08/02/95	20:56:33	27676.2945	254.2	492.27	33.06	0.08796573	0.0004	2.1417	0.222	0.07377447	0.011
08/02/95	21:01:33	27723.0627	257.3	492.18	34.71	0.1308935	0.0004	2.1962	0.224	0.07978366	0.012
08/02/95	21:06:33	27793.5534	260.3	492.83	34.87	0.13364026	0.0004	2.2161	0.227	0.08647902	0.012
08/02/95	21:11:34	27832.3334	259	493.26	36.21	0.14874142	0.0004	2.2440	0.227	0.08663183	0.013
08/02/95	21:16:34	27906.8046	260.2	494.87	38.7	0.18582627	0.0005	2.3223	0.239	0.0944709	0.013
08/02/95	21:21:33	27903.1396	259.6	494.20	36.12	0.14808803	0.0004	2.2824	0.244	0.08881263	0.013
08/02/95	21:26:33	27950.1858	257.9	495.81	37.55	0.16604071	0.0004	2.3221	0.25	0.09241225	0.013
08/02/95	21:31:34	28029.4394	257.1	497.32	40.05	0.14685512	0.0005	2.2970	0.24	0.09170911	0.014
08/02/95	21:36:33	28081.3676	254.1	500.83	35.58	0.12498067	0.0004	2.3004	0.252	0.0952425	0.012
08/02/95	21:41:33	28105.2747	250.4	503.85	35.01	0.10766034	0.0004	2.2835	0.254	0.09279679	0.012
08/02/95	21:46:34	28130.3725	251.7	501.05	37.88	0.17421265	0.0005	2.3623	0.253	0.08926516	0.013
08/02/95	21:51:34	28107.2781	253.9	499.95	38.41	0.10141486	0.0005	2.3122	0.259	0.09287994	0.013
08/02/95	21:56:34	28127.0481	251.8	501.16	36.19	0.05300701	0.0004	2.2937	0.263	0.09035287	0.013
08/02/95	22:01:35	28126.318	250.8	502.58	36.63	0.14441045	0.0004	2.3490	0.254	0.09543734	0.013
08/02/95	22:06:34	28123.6766	252.1	502.61	38.31	0.17696554	0.0005	2.3812	0.29	0.09359912	0.013
08/02/95	22:11:34	28112.9086	251.2	504.93	39.45	0.18652687	0.0005	2.4284	0.283	0.09376485	0.014
08/02/95	22:16:35	28076.593	251.3	507.54	40.28	0.18779559	0.0005	2.5181	0.269	0.09755745	0.014
08/02/95	22:21:35	28063.8323	253.6	510.96	56.62	0.26199405	0.0007	2.5793	0.266	0.10503816	0.02
08/02/95	22:26:34	28046.5648	252.1	513.47	61	0,26710632	0.0007	2.5713	0.286	0.10700283	0.021
08/02/95	22:31:35	27973.2258	247.5	517.58	44.79	0.21330434	0.0005	2.5253	0.278	0.10790454	0.016
08/02/95	22:36:35	27937.5613	248.8	521.29	65.2	0.29009594	0.0008	2.5668	0.288	0.10898632	0.023
08/02/95	22:41:34	27874.077	247.7	524.40	40.91	0.18074171	0.0005	2.4388	0.274	0.11265065	0.014
08/02/95	22:46:34	27882.3881	245.8	535.42	42.82	0.17473368	0.0005	2.4548	0.291	0.11735695	0.015
08/02/95	22:51:35	27803.432	246.5	528.80	53.61	0.25223121	0.0006	2.4888	0.281	0.10838529	0.019
08/02/95	22:56:35	27755.9943	240.4	526.22	31.52	0.05168043	0.0004	2.3813	0.288	0.10306038	0.011
08/02/95	23:01:34	27563.1942	228.8	521.21	27.41	0.00110171	0.0003	2.1983	0.273	0.04997778	0.01
08/02/95	23:06:34	27771.7187	231.7	516.40	27.87	0.00130203	0.0003	2.2253	0.289	0.06810599	0.01
08/02/95	23:11:35	27880.0874	241.1	518.11	36.63	0.08893841	0.0004	2.4504	0.302	0.10336085	0.013
08/02/95	23:16:35	27834.8875	235.5	524.43	39.27	0.12460111	0.0005	2.4715	0.303	0.0953774	0.014
08/02/95	23:21:35	27799.037	241.6	529.93	86.58	0.18088048	0.001	2.4920	0.298	0.11091066	0.03
	23:26:35	27745.9625	240.5	530.55	64.45	0.20023179	0.0008	2.5261	0.303	0.10767087	0.022
08/02/95		27371.416	221	530.35	28.5	0.0044029	0.0003	2.1873	0.272	0.0413272	0.01
08/02/95		27435.4455		517.74	28.19	0.00050024	0.0003	2.2089	0.292	0.06232941	0.01
08/02/95	·	27525.6235		521.25	28.95	0.01260125	0.0003	2.2490	0.287	0.07830775	0.01
08/02/95		27556.7266	,	522.25	42.24	0.13151301	0.0005	2.3649	0.272	0.09680958	0.015
08/02/95		27489.8915		531.05	79.4	0.14248752	0.0009	2.4294	0.29	0.10009123	0.028
	23:56:36	27326.9057		524.95	28.75	0.0079993	0.0003	2.2975	0.277	0.08819227	0.01
08/03/95		27286.8223	1 -	522.16	30.76	0.04567894	0.0004	2.3146	0.283	0.08715982	0.011
08/03/95		27247.2517		528.66	32.51	0.05106692	0.0004	2.3761	0.284	0.10073475	0.011
08/03/95		27222.4815		531.06	60.57	0.23640271	0.0007	2.5623	0.28	0.10601153	0.021
08/03/95		27192.5065		534.05	77.51	0.28156502	0.0009	2.5334	0.275	0.1046127	0.027
08/03/95	-	27088.8979	·	540.45	42.81	0.19972129	0.0005	2.4791	0.279	0.10964699	0.015
08/03/95	00:26:35	26823.186		538.15	29.33	0.01837779	0.0003	2.3538	0.267	0.08619584	0.01
08/03/95	·	26918.8353	229.9	541.84	105.5	0.17096143	0.0013	2.5589	0.275	0.10265674	0.037
08/03/95		26818.2575	228.1	539.85	62.44	0.26707732	0.0007	2.5355	. 0.284	0.09854404	0.022
	00:41:36	26706.036	+	541.34	47.46	0.23069173	0.0006	2.5240	0.276	0.09872528	0.016
	00:46:36	26535.2054	226.4	537.45	43.37	0.21396139	0.0005	2.5085	0.267	0.09115574	0.015
		26491.8152	+	•	 	0.21396139	0.0005	2.5071	0.207	0.09113374	0.015
08/03/95			225.3	534.25	43.79	0.24047441	0.0005	2.6078	0.277	0.09982333	0.015
	 	26467.7577	225.5	534.05	45.79						t
	01:01:37	26440.3551	224.7	530.56	64.16	0.28843552	0.0008	2.6642	0.267	0.09461483	0.022
	01:06:36	26365.5625	224.4	534.75	64.69	0.2462719	0.0008	2.5520	0.27	0.09729137	0.022
	01:11:37	26292.0202	222.3		57.41	0.26353488	0.0007	2.5370	0.275	0.09499629	0.02
U0/U3/95	01:16:37	26166.7851	220.9	543.93	45.19	0.1898573	0.0005	2.4578	0.275	0.09687411	0.016

Downwirt data in ppm	Site: POT	W in very	small town in S	W U.S.								
Page			mv									
Denough 01-21-38 2584-9546 211-59 546.22 40-81 01-2067336 0.0005 2.4290 0.271 0.00867821 0.014 0.0080796 01-3638 2594-2593 214.8 546.36 65-96 0.2219991 0.0006 2.5555 0.2556 0.07808836 0.022 0.000396 01-31-38 2594-7007 219.3 541.83 82.86 0.27216332 0.001 2.5536 0.255 0.07808836 0.022 0.000396 0.000395 01-31-38 2594-1724 01-325 0.025 0.000395 0.0004 0.2551 0.025 0.000395 0.000395 0.0004 0.000395 0.0004 0.000395	Date	Time	H2O		CO2		SF6		CH4		NH3	
Demonys 6 17.26.30												
Demonspe 01-31-38 2954-7007 219.3 541.83 82.86 027216332 0.001 2.5356 0.265 0.06556839 0.0026 0.003096 01-31-39 25541.1741 209.2 569.95 22.5 0.03240562 0.0004 2.2941 0.26 0.04736291 0.014 0.003096 01-31-39 25541.1741 209.2 569.95 32.5 0.0324058 0.0004 2.2941 0.26 0.04736291 0.014 0.003096 01-31-30 25441 0.025 0.04736291 0.014 0.003096 01-31-30 0.044 0.045 0.												
Demonson Demonson												
Debroyse Di-41:39												
Demonspox Demo	·											-
0a00395 [01:51:40]					+							
Demonys 07-56-40 25566-7003 2088 551-60 40.99 0.13112099 0.0005 2.49614 0.27 0.072688661 0.016 0.01600995 07-50641 0.2551-729 20.85 532.90 44.58 0.2074777 0.0005 2.49614 0.27 0.264 0.0730024 0.015 0.000095 07-50641 25581-3278 20.1 54.592 44.33 0.207777 0.0005 2.5984 0.257 0.07599673 0.016 0.000395 07-5164 2571-4281 207.3 537.34 34.47 0.0598817 0.0004 2.3521 0.255 0.05071173 0.012 0.000395 07-5264 0.2570-6754 207.7 538.54 54.69 0.1641-2876 0.0007 2.5983 0.255 0.0527117 0.012 0.000395 0.2564 0.2570-6754 207.7 538.54 54.69 0.1641-2876 0.0007 2.5983 0.256 0.0527117 0.012 0.000395 0.2564 0.2516-88595 2.008-287117 0.012 0.000395 0.2564 0.2516-88595 2.008-287117 0.012 0.000395 0.2564 0.2516-88595 2.008-287117 0.013 0.0004 0.256 0.00978117 0.038 0.000395 0.2564 0.2516-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 2.5916-89593 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25644 0.000395 0.25654 0.000395								_				
0e00395 02:01-00 25517.829 208 553.20 44.58 0.20494526 0.0005 2.5847 0.254 0.0730024 0.015 0e00395 02:1141 25389.9467 208.5 541.93 40.8 0.1579133 0.0005 2.5948 0.257 0.0759673 0.015 0e00395 02:1141 2529.0754 207.3 33.24 34.47 0.0598917 0.0004 2.3521 0.255 0.0591173 0.012 0e00395 02:2140 25276.0754 207.7 538.54 54.69 0.16412876 0.0007 2.5983 0.255 0.0591173 0.012 0e00395 02:2402 25278.0421 202.3 53.34 34.47 0.0598917 0.0007 2.5983 0.255 0.0591173 0.012 0e00395 02:2410 25278.0421 202.3 540.59 58.05 0.16412876 0.0007 2.750 0.268 0.07388854 0.025 0e00395 02:3414 25180.7937 217.3 0.0743 127.7 0.3916012 0.0007 2.7702 0.266 0.07388854 0.025 0e00395 02:3414 25180.9737 217.3 0.0743 127.7 0.3916012 0.0015 2.8070 0.254 0.0921377 0.044 0e00395 02:4612 25158.8922 212.2 597.77 87.56 0.3348275 0.001 2.7702 0.266 0.0622933 0.030600395 0.25412 25168.0162 208.2 588.27 55.07 0.2758642 0.0006 2.7451 2.54586 0.0006 0.04586 0.0006 0				208.8		_		0.0005	2.4614			
GBIGUYS 02:11:41 25389.9467 206.5 541.93 30.8 0.1579133 0.0005 2.5048 0.253 0.06759168 0.014			25517.829	208	553.20	44.58	0.20494526	0.0005	2.4977	0.264	0.0730024	
DeGO395 02:16:41 22:14.281 207.3 37.34 34.47 0.0558817 0.0007 2.5810 0.255 0.0501173 0.012 DeGO395 02:26:40 25218.0421 209.2 546.50 84.1 0.13423492 0.001 2.6701 0.268 0.07398854 0.029 DeGO395 02:31:41 25164.8559 21.08 558.05 56.05 0.17675939 0.0007 2.6701 0.268 0.07398854 0.029 DeGO395 02:31:41 25164.8559 21.08 558.05 56.05 0.17675939 0.0007 2.7179 0.271 0.08374746 0.02 DeGO395 02:41:41 25192.9073 21.73 607.43 12.77 0.39108012 0.0015 2.8707 0.256 0.08213977 0.044 DeGO395 02:41:41 25192.9073 21.73 607.43 12.77 0.39108012 0.0015 2.8707 0.266 0.08213977 0.044 DeGO395 02:41:41 25164.8993 209.7 606.66 47.52 0.3348275 0.001 2.7702 0.266 0.08213977 0.044 DeGO395 02:51:42 25164.8993 209.7 606.66 47.52 0.23525393 0.0006 2.7145 0.262 0.0884272 0.017 DeGO395 03:01:43 25144.8908 204.8 576.91 87.32 0.10714964 0.01 2.5123 0.277 0.08877512 0.03 DeGO395 03:01:43 25144.8908 204.8 576.91 87.32 0.10714964 0.01 2.5123 0.277 0.08877512 0.03 DeGO395 03:01:43 25054.7757 202.9 566.25 31.43 0.00189381 0.0004 2.2743 0.262 0.04878356 0.011 DeGO395 03:1644 25099.031 201.4 548.01 31.01 0.0027967 0.0007 2.8810 0.262 0.04784356 0.011 DeGO395 03:1644 25191.8276 204.7 546.51 46.03 0.1080989 0.0005 2.4277 0.267 0.06877512 0.010 DeGO395 03:3645 25202.247 206.2 560.8 544.10 3.925 0.1143984 0.0005 2.5372 0.26 0.04784395 0.016 DeGO395 03:1648 25202.8865 207.5 546.51 4.03 0.1143984 0.0005 2.4277 0.26 0.06872495 0.016 DeGO395 03:1648 25202.8865 0.05 544.10 0.325 0.1743984 0.0005 2.5860 0.26 0.06873449 0.016 DeGO395 03:1648 25202.8865 0.05 544.10 0.325 0.1743984 0.0005 2.5860 0.26 0.0687349 0.016 DeGO395 03:1648 25304.8984 0.005 0.58598	08/03/95	02:06:41	25481.3278	210.1	545.92	44.33	0.2077377	0.0005	2.5824	0.257	0.07509673	0.015
Denicy Dec D	08/03/95	02:11:41	25389.9467								0.06759168	0.014
0900395 02:26.40 25218.0421 209.2 \$46.90 84.1 0.13423492 0.001 2.6701 0.268 0.07398654 0.029 0000395 02:36.41 25185.7156 212.2 \$83.85 109.2 0.3047101 0.0013 2.8230 0.256 0.07398117 0.038 0000395 02:36.41 25192.9073 217.3 607.43 127.7 0.39108012 0.0015 2.8707 0.256 0.09218177 0.038 0000395 02:41.41 25192.9073 217.3 607.43 127.7 0.39108012 0.0015 2.8707 0.256 0.08218377 0.044 0000395 02:51.42 25164.8993 209.7 606.66 47.62 0.3348275 0.001 2.7702 0.256 0.08223833 0.03 0000395 02:51.42 25164.8993 209.7 606.66 47.62 0.3348275 0.001 2.7702 0.266 0.08223833 0.003 0000395 03:05642 25180.012 02.08 88.27 55.07 0.27594823 0.0005 2.8313 0.264 0.0823835 0.001 0000395 03:05642 25180.01476 0218 576.91 87.32 0.10714964 0.001 2.5123 0.277 0.08677512 0.03 0000395 03:05643 24941 0.476 0.218 576.91 87.32 0.10714964 0.001 2.5123 0.277 0.08677512 0.03 0000395 03:05643 24941 0.476 0.218 576.91 87.32 0.10714964 0.001 2.5123 0.277 0.08677512 0.03 0000395 03:05643 24941 0.476 0.218 576.92 13.43 0.0022295 0.0004 2.2146 0.265 0.002325 0.011 0.002395 03:1143 25054.7757 0.29 666.25 31.43 0.0022925 0.0004 2.2146 0.265 0.002325 0.011 0.000395 03:1143 25054.7757 0.29 666.25 31.43 0.00229267 0.0004 2.2721 0.262 0.0358267 0.011 0.000395 03:1644 25191.8276 0.247 546.51 46.30 1.00229987 0.0004 2.2721 0.262 0.0358267 0.011 0.000395 03:3645 2509.247 0.001 0.002395 03:3645 0.000395 03												
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0.00395 03:16-44	08/03/95	03:06:43	24941.0476	201.8	575.82	31.5	0.0022925	0.0004	2.2146	0.265	0.02063254	0.011
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08/03/95 05:26:49 25291.0756 209.2 555.26 52.4 0.2417369 0.0006 2.6746 0.251 0.09478317 0.018 08/03/95 05:31:50 25237.7524 211.1 555.54 51.28 0.23393903 0.0006 2.7248 0.249 0.09652099 0.018 08/03/95 05:36:50 25191.6811 210.6 556.74 71.54 0.24538224 0.0009 2.6870 0.25 0.08965507 0.025 08/03/95 05:41:50 25155.5603 210.5 557.53 71.02 0.25702446 0.0008 2.8054 0.254 0.09393383 0.025 08/03/95 05:46:51 25007.3956 211.1 561.51 46.72 0.12388519 0.0006 2.7636 0.26 0.08985408 0.016 08/03/95 05:51:51 25165.0134 210.3 558.83 108.4 0.31225039 0.0013 2.7040 0.256 0.08597334 0.038 08/03/95 06:01:50 24708.832 207.6 625.22 <td></td> <td></td> <td></td> <td>211.9</td> <td></td> <td>51.37</td> <td></td> <td>0.0006</td> <td></td> <td></td> <td>0.09138403</td> <td></td>				211.9		51.37		0.0006			0.09138403	
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08/03/95 06:21:52 24613.0859 215.3 583.61 69.42 0.30852168 0.0008 2.7801 0.262 0.10376914 0.024	08/03/95	06:16:51					, _, 					
08/03/95 06:26:52 24417.6832 207.5 602.84 39.71 0.06598728 0.0005 2.8628 0.266 0.09076984 0.014	08/03/95	06:21:52	24613.0859	215.3	583.61		—			0.262	0.10376914	0.024
	08/03/95	06:26:52	24417.6832	207.5	602.84	39.71	0.06598728	0.0005	2.8628	0.266	0.09076984	0.014

Site: POT	W in very	small town in S	W U.S.]				
	data in pp										
Date	Time	H2O		CO2		. SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	06:31:52	24178.269	198.1	607.63	34.85	0.0097556	0.0004	2.3350	0.268	0.03125775	0.012
08/03/95	06:36:53	24314.9674	200.2	609.07	35.47	0.00249007	0.0004	2.2399	0.265	0.020319	0.012
08/03/95	06:41:52	24339.5441	199.8	630.90	38.86	0.06216387	0.0005	2.2502	0.28	0.02659896	0.013
08/03/95	06:46:52	24253.3284	201.6	641.68	41.89	0.06197622	0.0005	2.2646	0.267	0.02939387	0.015
08/03/95	06:51:53	24424.0844	200.5	642.12	40.54	0.04206392	0.0005	2.2644	0.28	0.02810906	0.014
08/03/95	06:56:53	24742.4977	203.3	657.40	40.61	0.03260065	0.0005	2.2708	0.309	0.02562192	0.014
	07:01:52	25015.8576	206.9	662.11 634.40	41.87	0.02263527	0.0005	2.4037	0.427	0.02752129	0.015
	07:06:52 07:11:53	25120.6688 25355.5295	203.7	627.09	40.7 81.03	0.01077122 0.04087543	0.0003	2.3045 2.4212	0.376	0.02613017 0.05523168	0.014
	07:11:53	25555.5295	204.6	650.60	57.86	0.10893092	0.0007	2.8367	0.509	0.03323166	0.028
08/03/95	07:21:52	25558.5937	201.1	642.36	51.93	0.07198312	0.0006	2.6185	0.526	0.06261136	0.018
08/03/95		25394.0515	202.2	601.80	47.97	0.09562981	0.0006	2.5303	0.388	0.06152616	0.017
	07:31:53	25379.6781		577.22	44.15	0.08432781	0.0005	2.3668	0.29	0.05129526	0.015
	07:36:53	25567.9773		582.52	39.64	0.04312002	0.0005	2.2616	0.286	0.03044353	0.014
08/03/95	07:41:52	25724.6867	203.8	576.03	36.48	0.0093826	0.0004	2.2137	0.287	0.01666908	0.013
08/03/95	07:46:52	25571.8128	203.6	565.07	35.61	0.00788979	0.0004	2.2688	0.284	0.01987428	0.012
08/03/95		25788.3327	202.8	568.86	36.28	0.00838915	0.0004	2.1870	0.3	0.01667842	0.013
	07:56:53	25888.3743	199.5	566.98	35.85	0.00109899	0.0004	2.1899	0.293	0.02687527	0.012
08/03/95	08:01:52	26052.9229	201.8	571.97	35.95	0.0011989	0.0004	2.2637	0.298	0.05155255	0.012
08/03/95	08:06:52	26313.914	205	581.09	36.51	0.01189571	0.0004	2.3738	0.311	0.07207402	0.013
08/03/95	08:11:53	26388.787	201.2	574.59	36.8	0.02709023	0.0004	2.4137	0.31	0.05637968	0.013
08/03/95	08:16:53	26333.1071	214.1	559.60	40.9	0.08526926	0.0005	2.4966	0.303	0.11185968	0.014
08/03/95	08:21:51	26450.3274	220.8	557.71	40.31	0.07770096	0.0005	2.4766	0.301	0.12800158	0.014
08/03/95	08:26:52	26808.5018	225	557.52	44.8	0.08336313	0.0005	2.4964	0.294	0.13139951	0.016
08/03/95	08:31:52	26737.7358	220.7	555.93	41.93	0.06900358	0.0005	2.4452	0.285	0.1207813	0.015
08/03/95	08:36:53	26808.1247	216.7	563.37	41.97	0.10335107	0.0005	2.5076	0.295	0.12039247	0.015
08/03/95	08:41:51	26669.1314	220	557.27	45.13	0.10707915	0.0005	2.4583	0.269	0.11410403	0.016
08/03/95	08:46:52	27013.8238	223.6	563.72	43.77	0.12686649	0.0005	2.6221	0.275	0.13058309	0.015
08/03/95	08:51:53	26994.5881	218.8	558.80	44.62	0.08462474	0.0005	2.5382	0.274	0.11447456	0.015
	08:56:52	27132.0809	222	563.55	46.52	0.11983397	0.0006	2.5692	0.275	0.12426108	0.016
	09:01:52	27214.3063	222.8	557.22	40.96	0.10802124	0.0005	2.4861	0.286	0.11748443	0.014
	09:06:52	27392.2584	224.6	556.43	42.02	0.12036306	0.0005	2.4772	0.288	0.11885349	0.015
08/03/95	09:11:52	27474.5093	218.5	552.90	39.55	0.09655884	0.0005	2.4507	0.281	0.10450482	0.014
08/03/95	09:16:52	27711.1442	221.3	559.96	42.24	0.12228764	0.0005	2.4735	0.281	0.11725108	0.015
08/03/95	09:21:55	28359.6548	221.4	554.94	38.85	0.07393154	0.0005	2.4686	0.329	0.10792189	0.013
08/03/95	09:26:51	28514.0739	221.9	549.59	40.9	0.09823918	0.0005	2.3961	0.326	0.10207192	0.014
08/03/95	09:31:52	28631.0567	221.4	543.12	39.81	0.09662864	0.0005	2.2908	0.298	0.09046945	0.014
08/03/95	09:36:52	28662.2114	221.1	537.96	39.94	0.08686162	0.0005	2.2618	0.3	0.08645714	0.014
08/03/95 08/03/95	09:41:52	28774.3784 28667.9487	221	535.22	37.49	0.07679211	0.0004	2.2146	0.293	0.0805356 0.08077956	0.013
08/03/95	09:51:53	28809.8901	220.7	533.51 530.42	40.61 38		0.0005	2.2049	0.294	0.08276761	
	09:56:53	28432.4627				0.0824648 0.09153251	0.0005	2.2184	0.279	0.08284399	0.013
08/03/95		28626.314		526.77 527.64	37.12	0.09153251	0.0004	2.1579 2.1387	0.273	0.08284399	0.013
08/03/95	10:06:52	28871.8691		531.89	37.12	0.07956635	0.0004	2.0858	0.272	0.07778087	0.013
08/03/95	10:06:52	28871.8691	225.5	531.89	38.44	0.07956635	0.0005	2.0861	0.272	0.07582562	0.013
08/03/95	10:16:52	28498.5037	230.8	529.06	36.33	0.07950033	0.0004	2.0654	0.272	0.07916195	0.013
08/03/95	10:10:52	28627.5084	231.4	531.59	35.69	0.07623002	0.0004	2.0704	0.272	0.07910195	0.013
08/03/95	10:26:54	28931.6197		530.27	34.66	0.07023002	0.0004	2.0328	0.286	0.08886763	0.012
08/03/95	10:31:54	29193.9763	243.6	528.56	34.79	0.06581664	0.0004	2.0370	0.291	0.09078854	0.012
08/03/95	10:41:50	29062.5453	309.9	520.26	34.64	0.08047626	0.0004	1.9916	0.297	0.09159735	0.012
08/03/95		28223.1051	302.1	501.36	29.52	0.0736014	0.0004	2.0229	0.306	0.11252522	0.01
08/03/95	10:51:58	29465.331	304.1	505.50	41.96	0.02345539	0.0005	1.9920	0.325	0.10787458	0.015
Run 4				1	<u> </u>						
08/03/95	11:11:31	28590.8788	261.5	491.72	30.21	0.06647555	0.0004	1.9925	0.316	0.10341768	0.011
08/03/95	11:16:32	27896.6303	261.7	490.16	30.73	0.06539518	0.0004	1.9429	0.317	0.10469322	0.011
08/03/95	11:21:32	27266.3757	263.2	485.11	32.53	0.07633404	0.0004	1.8845	0.315	0.11094827	0.011
08/03/95	11:26:32	27496.6202	263.8	487.25	30.43	0.06799789	0.0004	1.9267	0.316	0.10950705	0.011
	11:31:33	27735.4209	266.4	486.35	32.68	0.07672302	0.0004	1.8987	0.326	0.10619278	0.011
	11:36:33	28240.8758	275.3	488.17	32.76	0.0775502	0.0004	1.8585	0.328	0.12410065	0.011
	11:41:33	27723.5374	269.3	487.32	30.44	0.06101668	0.0004	1.8636	0.317	0.12366047	0.011
08/03/95	11:46:32	27306.8157	270.8	484.36	30.73	0.06407926	0.0004	1.8487	0.323	0.12368314	0.011
08/03/95		26636.9299	270.8	482.20	30.13		0.0004	1.8514	0.317	0.13258076	0.01

Site: POT	W in verv	small town in S	W U.S.					i i			
	data in pp										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	11:56:34	27057.4867	279.1	482.60	30.86	0.06511381	0.0004	1.8359	0.33	0.13787008	0.011
08/03/95	12:01:33	27710.2376	272.5	485.56	28.3	0.03764909	0.0003	1.8290	0.324	0.11917109	0.01
08/03/95	12:06:33	28296.6437	288.2	486.24	30.09	0.0487258	0.0004	1.8447	0.339	0.14189606	0.01
08/03/95	12:11:34	28030.2615	289	489.67	30.92	0.06160363	0.0004	1.8528	0.333	0.15360109	0.011
08/03/95	12:16:34	27706.4521	297.7	487.32	30.91	0.06507807	0.0004	1.8501	0.334	0.16834749	0.011
08/03/95	12:21:34	28233.9124	295.7	489.12	30.84	0.06010668	0.0004	1.8518	0.346	0.14909313	0.011
08/03/95	12:26:35	28103.3423	291.3	489.90	30.55	0.04910209	0.0004	1.8768	0.337	0.14301877	0.011
08/03/95	12:31:34	28136.0881	295.5	488.43	29.32	0.02301491	0.0003	1.6796	0.38	0.12325764	0.01
08/03/95	12:36:34	27985.2126	297.9	493.64	30.18	0.05390604	0.0004	1.7663	0.344	0.14535196	0.01
08/03/95	12:41:35	27401.7039	308.2	493.35	30.74	0.0575595	0.0004	1.7829	0.342	0.16837691	0.011
08/03/95	12:46:35	27564.7944	306	495.66	30.35	0.05466448	0.0004	1.7899	0.349	0.15949767	0.011
08/03/95	12:51:34	26904.4841	316.4	490.08	32.09	0.07027363	0.0004	1.8086	0.327	0.19488675	0.011
08/03/95	12:56:34	27268.2903	297.7	491.88	29.11	0.03325588	0.0003	1.7384	0.336	0.13906076	0.01
08/03/95	13:01:35	27309.8995	313.5	494.94	30.67	0.05547069	0.0004	1.7734	0.332	0.17787465	0.011
08/03/95	13:06:35	27036.8469	318.7	493.02	32.59	0.06965593	0.0004	1.7832	0.34	0.17967133	0.011
08/03/95	13:11:34	27322.4363	318.1	494.15	33.51	0.07488013	0.0004	1.7770	0.353	0.17137408	0.012
08/03/95	13:16:34	28128.0785	312.7	494.51	29.54	0.03280314	0.0004	1.7558	0.351	0.15673751	0.01
08/03/95	13:21:35	28333.4933	333.8	499.70	31.02	0.04976537	0.0004	1.7437	0.36	0.19445357	0.011
	13:26:34		329.6	496.20	33.51	0.07601507	0.0004	1.7888	0.356	0.19019155	0.012
08/03/95	13:31:34	27484.5297 28060.9692	328.3 322.7	496.16 498.23	31.07 31.3	0.04843631	0.0004	1.8191 1.7472	0.354	0.18851167 0.16251943	0.011
08/03/95	13:41:35	28247.3748	341.8	500.61	32.55	0.0477093		1.8048	0.366		
08/03/95	13:46:35	28540.0373	348.7	501.96	31.52	0.04765866	0.0004	1.7255	0.364	0.20266512	0.011
08/03/95	13:51:36	28428.0333	342.2	500.49	31.86	0.04763868	0.0004	1.7255	0.369	0.21374497	0.011
08/03/95	13:56:35	28491.7991	341.3	504.25	32.72	0.06342979	0.0004	1.7988	0.373	0.18782209	0.011
08/03/95	14:01:35	28465.4573	330.6	505.55	31.82	0.05132692	0.0004	1.7177	0.369	0.16385528	0.011
08/03/95	14:06:36	28790.7187	327	505.26	30.42	0.02272784	0.0004	1.7030	0.378	0.1524102	0.011
08/03/95	14:11:36	28038.2203	344.5	500.99	33.48	0.06659251	0.0004	1.7531	0.372	0.18847324	0.012
08/03/95	14:16:37	27988.5319	301.6	499.48	30.52	0.00729242	0.0004	1.6363	0.367	0.05556622	0.011
08/03/95	14:21:37	27995.4596	356.9	500.83	35.29	0.08040748	0.0004	1.7559	0.376	0.20897728	0.012
08/03/95	14:26:36	28647.1401	352.3	501.13	34.66	0.06777642	0.0004	1.7313	0.373	0.19675699	0.012
08/03/95	14:31:37	27899.4151	344	496.94	34.65	0.0530454	0.0004	1.7854	0.358	0.18802334	0.012
08/03/95	14:36:37	28720.7781	359.5	504.26	36.36	0.07565494	0.0004	1.7959	0.373	0.20802536	0.013
08/03/95	14:41:36	28457.3234	352.7	504.94	33.4	0.05222434	0.0004	1.7623	0.381	0.19107724	0.012
08/03/95	14:46:36	28370.9125	344.7	506.41	32.07	0.0358268	0.0004	1.7644	0.382	0.16801533	0.011
08/03/95	14:51:37	29065.6446	356.4	514.76	32.36	0.04764944	0.0004	1.7717	0.383	0.1887413	0.011
08/03/95	14:56:36	28529.9401	368.3	513.20	32.15	0.04496688	0.0004	1.7974	0.385	0.21678988	0.011
08/03/95	15:01:36	29429.0715	361.4	518.98	33.97	0.05909638	0.0004	1.7408	0.395	0.18853088	0.012
08/03/95	15:06:37	29135.2815	317.8	513.64	32.07	0.00268005	0.0004	1.5847	0.388	0.0545288	0.011
08/03/95	15:11:36	29542.7483	323.3	515.32	33.12	0	0.0004	1.5191	0.4	0	0.012
08/03/95	15:16:36	30064.9759	338.5	521.84	32.85	0.01356236	0.0004	1.6072	0.399	0.10428632	0.011
08/03/95		27857.7078		501.33	33.92	0		1.5596	0.383	0	
08/03/95		28716.9349		501.92	34.86	0.00185172		1.6143	0.398	0.07437755	0.012
08/03/95		28302.1533		497.62	35.26	0.00411345	0.0004	1.5932	0.4	0.07219098	0.012
				504.03	39.43	0.05887945	0.0005	1.7138	0.394	0.16962643	0.014
08/03/95		28756.6517		497.65	38.25	0.07947215	0.0005	1.7892	0.377	0.22831493	0.013
08/03/95		28985.1727		502.71	37.17	0.03751992	0.0004	1.7265	0.359	0.13729819	0.013
08/03/95		27900.6624		496.33	33.99	0.00216108	0.0004	1.6180	0.358	0.02757948	0.012
08/03/95		29079.8227	330.1	500.22	34.5	0	0.0004	1.5513	0.374	0	0.012
08/03/95		29412.4806		507.02		0	0.0004	1.5464	0.378	0	0.012
08/03/95		28823.8131		499.95	38.56	0.04894369	0.0005	1.7413	0.374	0.21710389	0.013
08/03/95 08/03/95	+	28359.0894	340.4	491.49	35.59	0	0.0004	1.6570	0.362	0.10684941	0.012
08/03/95	 	28441.1451		493.72	35.85	0	0.0004	1.6000	0.363	0	0.012
08/03/95	16:21:37 16:26:36	28737.4117	334.3		35.67	0	0.0004	1.5564	0.382	0.04407305	0.012
08/03/95	 	29215.3608		505.02	35.49	0	0.0004	1.5837	0.381	0.04497305	0.012
08/03/95	16:31:37 16:36:37	28061.9026	321.5		34.38	0	0.0004	1.6213	0.356	0.04839451	0.012
08/03/95	16:41:38	28611.9692 28859.8998		499.06	35.53	0	0.0004	1.6420	0.359	0.08570693	0.012
08/03/95	16:46:38			502.37	35	0	0.0004	1.5895	0.358	0.05096177	0.012
08/03/95	16:51:37	29021.6448 29229.4923		505.52	34.84	0.03363664	0.0004	1.6179	0.359	0.05086177	0.012
08/03/95				509.45	34.59	0.03362664	0.0004	1.7081	0.353	0.15957181	0.012
	17:01:38	29098.1833 29346.6289		507.70	34.5	0.01763851	0.0004	1.6763	0.355	0.10768777	0.012
30,00,00	111.01.30	23340.0209	339.2	502.63	35.7	0.01318635	0.0004	1.6752	0.369	0.16441727	0.012

		small town in S	W U.S.								
	data in pp										
Date	Time	H2O		CO2		SF6		CH4		NH3	
Dup 5		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 5	10.14.14	07540 0000	007.4	E07.00	07.00	0.00000000	0.0000	1 6202	0.200	0.00000654	0.000
08/03/95 08/03/95	18:14:14	27543.3398 27711.8462	287.4 290	537.20 542.57	27.06 27.43	0.00030933	0.0003	1.6283 1.6136	0.309	0.02309654 0.02762834	0.009
08/03/95	18:19:14 18:24:15	27637.5069	295.9	530.44	27.43	0	0.0003	1.6293	0.321	0.02762834	0.01
08/03/95			282.1	511.38	27.48	0	0.0003	1.6523	0.326		
08/03/95	18:29:14 18:34:14	27109.8481 27022.1867	278.4	511.60	27.28	0	0.0003	1.6486	0.293	0.03063748	0.009
08/03/95	18:39:15	27022.1667	278.5	511.69	26.86	0	0.0003	1,6656	0.288	0.02868408	0.009
08/03/95	18:44:15	27461.6853	295.1	517.19	26.8	0.00195553	0.0003	1.7208	0.298	0.11115633	0.009
08/03/95	18:49:15	28027.1416	291	524.18	27.37	0.0009263	0.0003	1,6387	0.238	0.05310802	0.003
08/03/95	18:54:16	28163,439	304.5	522.03	27.14	0.00216098	0.0003	1,6856	0.315	0.11154775	0.009
08/03/95	18:59:16	27812.9356	288.8	522.86	26.89	0	0.0003	1.6350	0.306	0	0.009
08/03/95	19:04:16	27721.9868	293.1	520.61	27.18	0	0.0003	1,6388	0.313	0.02808253	0.009
08/03/95	19:09:17	27777.9358	293.4	516.50	27.09	0	0.0003	1.6591	0.311	0.02396352	0.009
08/03/95	19:14:16	27690.6236	289.9	515.70	27.01	0	0.0003	1,6461	0.305	0	0.009
08/03/95	19:19:17	27511.5447	295.5	507.92	26.67	0	0.0003	1.6583	0.299	0	0.009
08/03/95	19:24:18	27583.6294	297.2	508.38	26.97	0	0.0003	1.6461	0.307	0	0.009
08/03/95	19:29:18	27789.9276	295.2	507.69	26.69	0	0.0003	1.6606	0.301	0	0.009
08/03/95	19:34:17	28097.8466	298.7	504.36	26.57	0	0.0003	1.6857	0.298	0	0.009
08/03/95	19:39:17	27722.7493	308.8	500.71	26.6	0	0.0003	1.6865	0.297	0	0.009
08/03/95	19:44:18	27694.5696	305.7	501.26	26.21	0	0.0003	1.7090	0.286	0	0.009
08/03/95	19:49:17	27763.0633	311.8	498.74	26.11	0	0.0003	1.7088	0.286	0	0.009
08/03/95	19:54:17	27841.7762	307.4	499.20	25.93	0	0.0003	1.7327	0.281	0	0.009
08/03/95	19:59:18	27749.4923	306.6	498.94	25.45	0	0.0003	1.7631	0.268	0	0.009
08/03/95	20:04:18	27466.0089	303.7	499.50	25.26	0	0.0003	1.7628	0.265	0	0.009
08/03/95	20:09:18	27368.549	296.4	502.30	24.85	0	0.0003	1.7693	0.254	0	0.009
08/03/95	20:14:18	27318.6218	292.3	503.46	24.75	0	0.0003	1,7782	0.252	0	0.009
08/03/95	20:19:19	27199.2831	305.5	500.04	24.58	0	0.0003	1.7942	0.245	0	0.009
08/03/95	20:24:18	27235.3674	306.1	502.22	24.36	0	0.0003	1.8087	0.24	0	0.008
08/03/95	20:29:18	27182.8313	298.3	504.08	24.39	0	0.0003	1.8149	0.24	0	0.008
08/03/95	20:34:19	27232.8928	284.4	510.43	24.2	0	0.0003	1.8281	0.236	. 0	0.008
08/03/95	20:39:19	27333.6487	289.6	513.53	24.06	0	0.0003	1.8601	0.232	0	0.008
	20:44:19	27394.9197	285.9	513.66	24.05	0	0.0003	1.8776	0.231	0	0.008
08/03/95	20:49:19	27521.9975	267.8	525.73	24.05	0	0.0003	1.8820	0.23	0	0.008
	20:54:20	27504.4597	265.8	523.21	23.98	0	0.0003	1,9018	0.229	0	0.008
	20:59:19	27484.6052	268.3	525.13	23.93	0	0.0003	1.9160	0.226	0	0.008
	21:04:19	27457.9286	276.5	523.43	23.96	0	0.0003	1,9243	0.227	. 0	0.008
	21:09:20	27598.3222	_	531.64	24.05	0	0.0003	1.9468	0.228	. 0	0.008
08/03/95		27523.1812	269.6	535.68	23.88	0_	0.0003	1.9613	0.224	0	0.008
08/03/95		27597.088	265.9	541.54	24.01	0	0.0003	1.9931	0.227	. 0	0.008
	21:24:19	27348.0104	269.7	535.88	24.13	0	0.0003	1.9802	0.229	0	0.008
08/03/95		27388.5838	277.2	541.44	24.07	0	0.0003	1.9874	0.228	0	0.008
08/03/95		27197.4961		540.03	24.04	0	0.0003	1.9801	0.227	0	0.008
08/03/95		27137.8759		548.74	24.24	0	0.0003	1.9613	0.229	0	0.008
08/03/95		27136.485		552.68	24.28	<u> </u>	0.0003	1.9657	0.229	0	0.008
08/03/95		27837.3594		577.12	25.22	0	0.0003	2.0014	0.243	0	0.009
08/03/95		27658.0491	269.5	574.77	25.27	0	0.0003	2.0170	0.24	0	0.009
08/03/95		27361.1508		569.41	24.89	0	0.0003	2.0068	0.235	0	0.009
08/03/95		27256.3817		576.74	24.93	0	0.0003	2.0210	0.235	0	0.009
08/03/95 08/03/95		26891.0504		579.33	25.11	0.00161105	0.0003	1.9864	0.233	0.02609446	0.009
		27010.9317	246.2		25.58	0.00161105	0.0003	2.1678	0.237	0.02688446	0.009
08/03/95 08/03/95		26744.7306	245.3	579.99 601.45	25.15	0.00050355	0.0003	2.0275	0.23	- 0	0.009
08/03/95		26752.7207 26346.2923		591.11	26.45 26.02	0.00040224	0.0003	1.9672 1.9676	0.242		0.009
08/03/95				588.42	26.02			1.9333		0	0.009
08/03/95		26167.5517 26186.32	-	607.79	26.13	0.00030139	0.0003	1.9964	0.238	0	0.009
08/03/95		25936.7034		610.94	26.61	0.0006028	0.0003	1.9845	0.233	0	0.009
08/03/95		26398.5107	215.5	663.85	27.2	0.00341206	0.0003	2.2838	0.25	0.05037807	0.009
08/03/95		26121.894		680.51	28.12	0.00341206	0.0003	2.1421	0.249	0.05037607	0.009
08/03/95		25898.9188		642.81	27.51	0.00090437	0.0003	1.9979	0.249	0	0.01
08/03/95		25935.5983		624.90		0.00050233	0.0003	2.0025	0.245	0	
08/03/95		25935.5983	235	586.07	27.67 28.21	0.00050233	0.0003	1.9232	0.252	0	0.01
08/03/95		25535.5243		584.56	27.59	0.00040142	0.0003	1.9232	0.232	0	
30,0333	LU. 17.23	20000.0243	201.2	1204.20	E1.33	0.00040134	0.0003	1,3240	U.240		0.01

Site: POT	W in very	small town in S	WUS								
	data in pp										
Date	Time	H2O		CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	23:19:23	25381.6209	226.3	581.06	27.24	0.00040136	0.0003	1.9359	0.242	0	0.009
08/03/95	23:24:24	25477.1188	217.3	600.52	27.65	0.0005016	0.0003	2.0016	0.243	0.01284104	0.01
08/03/95	23:29:24	25330.9474	209.9	658.84	28.75	0.00090238	0.0003	2.0515	0.246	0	0.01
08/03/95	23:34:24	25349.3775	211.5	676.83	29.16	0.00090205	0.0003	2.0218	0.255	0_	0.01
08/03/95	23:39:24	25207.155	206.8	628.93	28.62	0.00050114	0.0003	2.0878	0.254	0.01964454	0.01
08/03/95	23:44:25	25566.9085	210.1	618.66	28.51	0.00050086	0.0003	2.3467	0.253	0.07522861	0.01
08/03/95	23:49:24	25713.5992	206.4	641.64	29.03	0.00050058	0.0003	2.3654	0.254	0.07839024	0.01
08/03/95	23:54:25	25845.7513	221.5	646.84	28.89	0.00060069	0.0003	2.6615	0.254	0.12013829	0.01
08/03/95	23:59:24	25878.341	207.3	660.63	29.1	0.00060103	0.0003	2.4487	0.254	0.08023717	0.01
08/04/95	00:04:24	25589.7567	202.6	698.00	29.53	0.00070081	0.0004	2.2724	0.255	0.02032339	0.01
08/04/95	00:09:25	25544.8726	215.6	755.47	30.5	0.00060125	0.0004	2.1054	0.263	0	0.011
	00:14:25	25395.4327	206.9	684.33	30.8	0.0006017	0.0004	2.0399	0.269	0	0.011
08/04/95	00:19:24	25522.9299	207.4	698.30	30.87	0.00060181	0.0004	2.4850	0.269	0.07241799	0.011
08/04/95	00:24:24	25265.2926	211.6	733.69	31.41	0.00050095	0.0004	2.1190	0.272	0.01813438	
08/04/95	00:29:25	25106.7218	225.6	666.24	31.28	0.00050086	0.0004	1.9596	0.269	0	0.011
08/04/95 08/04/95	00:34:25	24941.5143	222.9	644.06 639.56	30.76 30.82	0.0005002	0.0004	1.9621	0.267 0.266	0	0.011
08/04/95	00:39.24	24868.8848 24988.6334	219.4	668.07	31.2	0.0005002	0.0004	1.9980	0.266	0.01730702	0.011
08/04/95	00:49:25	24905.2546	222.1	669.00	31.52	0.0003002	0.0004	1.9630	0.264	0.01730702	0.011
08/04/95	00:54:25	25075.6925	219.6	681.36	31.36	0.00049946	0.0004	2.3052	0.26	0.06383049	0.011
08/04/95	00:59:25	24777.2168	217.4	685.44	31.81	0.00049974	0.0004	1.9632	0.26	0.00303049	0.011
	01:04:24	24751.1041	225.7	675.52	31.66	0.00049964	0.0004	1.9689	0.26	0	0.011
08/04/95	01:09:24	24969.6446	231	689.49	31.02	0.00049992	0.0004	1.9809	0.265	Ö	0.011
08/04/95	01:14:25	24987.5073	213.9	735.12	32.05	0.00050002	0.0004	2.1191	0.266	0.02700087	0.011
08/04/95	01:19:25	24744.9995	210.8	715.72	32.02	0.00050002	0.0004	2.1700	0.266	0.03070099	0.011
08/04/95	01:24:24	24936.8599	214.8	716.56	32.33	0.00050011	0.0004	2.3821	0.272	0.05321165	0.011
08/04/95	01:29:24	25035.4514	218.6	719.98	32.41	0.00059924	0.0004	2.7818	0.272	0.0938802	0.011
08/04/95	01:34:25	24643.492	213.8	684.87	32.46	0.00049983	0.0004	2.0823	0.267	0.01879359	0.011
08/04/95	01:39:25	25000.6398	213.9	690.59	32.53	0.00059991	0.0004	2.5800	0.266	0.07178892	0.011
08/04/95	01:44:23	25319.3978	214.2	729.78	32.91	0.00059957	0.0004	2.6405	0.27	0.09543177	0.011
08/04/95	01:49:24	25087.0195	210.6	716.96	33.13	0.00059955	0.0004	2.5635	0.278	0.06704981	0.012
08/04/95	01:54:24	24524.5109	202.9	772.91	33.42	0.00059978	0.0004	2.3108	0.269	0.0170936	0.012
08/04/95	01:59:24	24589.355	203.6	734.97	32.93	0.00060022	0,0004	2.4195	0.268	0.05862183	0.011
08/04/95	02:04:23	24965.0949	215	715.77	32.78	0.00060022	0.0004	2.7274	0.264	0.10423881	0.011
08/04/95	02:09:24	24609.7543	220.5	691.29	32.78	0.00060034	0.0004	2.7659	0.261	0.11776582	0.011
08/04/95	02:14:24	24383.5784	215.6	663.25	32.77	0.00060022	0.0004	2.4794	0.263	0.10143777	0.011
08/04/95	02:19:25	23897.137	200.3	673.53	32.66	0.00060011	0.0004	2.1433	0.262	0.02680498	0.011
08/04/95	02:24:24	23438.0975	199.6	650.68	31.91	0.00049991	0.0004	2.0737	0.256	0.0329938_	0.011
08/04/95	02:29:24	23533.3823	211.1	610.77	31.5	0.00049981	0.0004	2.2190	0.254	0.07937026	0.011
08/04/95	02:34:25	23733.8067	215.5	598.41	31.38	0.00050009	0.0004	2.4840	0.253	0.09421749	0.011
08/04/95	02:39:25	23738.3411	214.5	607.69	31.49	0.00049991	0.0004	2.5540	0.252	0.09168278	0.011
	02:44:24	23817.1148		606.43	31.63	0.00049953	0.0004	2.6050	0.251	0.09601017	0.011
	02:49:24	23771.4575	<u> </u>	610.13	31.86	0.00049953	0.0004	2.6000	0.251	0.09760867	0.011
	02:54:25	23725.6604	i — —	609.22	32	0.00059933	0.0004	2.5766	0.251	0.09159715	0.011
-	02:59:25	23712.0757		604.52	32.22	0.00059933	0.0004	2.5306	0.249	0.09029861	0.011
	03:04:24	23581.3916		613.98	32.57	0.0005991	0.0004	2.4110	0.248	0.07239161	0.011
	03:09:24	23565.4155		621.67	32.94	0.0005991	0.0004	2.5856	0.251	0.07978054	0.011
	03:19:25	23826.5607 23864.6965		621.95 639.52	32.68 32.91	0.00059899	0.0004	2.7767	0.25	0.10043081 0.10532257	0.011
	03:24:24	23906.3263		626.84	32.62	0.00059899	0.0004	2.7996	0.253	0.10532257	0.011
	03:29:23	23906.3263	←——	622.25	32.02	0.00059899	0.0004	2.7996	0.254	0.09314309	0.011
	03:34:24	23931.9978		624.93	32.79	0.00059888	0.0004	2.8191	0.25	0.09851557	0.011
	03:39:24	23970.0394	, 	615.90	33.31	0.00059854	0.0004	2.7018	0.259	0.09696392	0.012
	03:44:24	23970.0394		611.91	33.43	0.00059834	0.0004	2.7122	0.258	0.0951432	0.012
	03:49:23	23539.8035		622.62	33.7	0.00059809	0.0004	2.2596	0.26	0.03827805	0.012
	03:54:25	23700.1461		615.26	34.06	0.00059821	0.0004	2.3576	0.264	0.03027003	0.012
	03:59:25	24111.5495		601.77	33.84	0.00059798	0.0004	2.6903	0.264	0.0895977	0.012
	04:04:24	23889.8052	208.1	601.96	33.95	0.00059787	0.0004	2.5723	0.265	0.0838015	0.012
	04:09:24	24023.0481	+	610.14	34.23	0.00059798	0.0004	2.6913	0.268	0.09348459	0.012
	04:14:25	23956.5607		641.00	34.76	0.00059776	0.0004	2.7212	0.271	0.09683685	0.012
	04:19:25	23954.2405	209.1	641.83	35.28	0.00059742		2.6699	0.269	0.09767853	0.012
	04:24:24	23949.0935		614.06	34.88	0.00059733	0.0004	 	0.272	0.09567253	0.012
		,			,	, 0.0000,00	, 5.0004				,

	data in pp										
Date 08/04/95 0					1		l -				
		H2O	i -	CO2		SF6		CH4		NH3	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
2.2.1	04:29:24	23957.4427	209.6	621.11	35.12	0.00059722	0.0004	2.7227	0.269	0.09625181	0.012
08/04/95 0	04:34:25	24036.2865	208	623.31	35.48	0.00059742	0.0004	2.7346	0.265	0.09429314	0.012
	04:39:25	23739.1316	201.9	631.18	35.82	0.00059733	0.0004	2.5152	0.269	0.0681953	0.012
	04:44:24	23315.5039	198.5	649.97	36.11	0.00059731	0.0004	2.1771	0.272	0.0321552	0.013
	04:49:24	23216.4375	203	642.62	36.45	0.00059686	0.0004	2.0275	0.274	0.01492155	0.013
	04:54:24	23341.1759	205.7	641.01	36.86	0.00059675	0.0004	2.0539	0.278	0.01959329	0.013
	04:59:25	23738.4124	203.2	638.12	37.57	0.00069621	0.0004	2.3936	0.281	0.0591777	0.013
08/04/95 0		23773.9761	199.9	653.61	37.82	0.0006966	0.0005	2.3591	0.279	0.05672317	0.013
	05:09:24	23579.5251	201.4	681.47	37.73	0.0006966	0.0005	2.2677	0.28	0.04806543	0.013
	05:14:25	23223.9227	206.6	726.31	37.6	0.00069636	0.0004	2.1328	0.276	0.0244722	0.013
	05:19:25	23809.6909	202.6	666.27	38.95	0.00069673	0.0005	2.5764	0.286	0.07564509	0.013
	05:24:24	23487.204	200.9	685.38	40.55	0.00069673	0.0005	2.4560	0.304	0.06469646	0.014
	05:29:24	23127.0077	199.7	721.71	38.69	0.00069634	0.0005	2.2112	0.282	0.02775408	0.013
	 +										
	05:34:24	23001.2044		768.10	38.36	0.0006961	0.0005	2.0804	0.278	0.01760144	0.013
	05:39:25	23200.1468		734.56	38.67	0.00069636	0.0005	2.0911	0.281	0.01900078	0.013
08/04/95 0		23042.6596		722.40	38.93	0.00069662	0.0005	2.0512	0.282	0.01970453	0.014
	05:49:24	23056.8438		697.39	39.13	0.00069649	0.0005	2.0160	0.284	0.01989983	0.014
08/04/95 0		23167.4987		679.92	39.52	0.00069613	0.0005	2.0010	0.285	0.02018768	0.014
	05:59:25	23410.3476		667.19	39.62	0.00069613	0.0005	2.1887	0.293	0.03420966	0.014
	06:04:24	23603.0207	203.7	685.46	39.37	0.000696	0.0005	2.6074	0.29	0.05756883	0.014
08/04/95 0	06:09:24	23339.3007	204	676.60	39.74	0.00069547	0.0005	2.0319	0.289	0.02016874	0.014
08/04/95 0	06:14:24	23139.6472	206	675.35	39.93	0.00069521	0.0005	2.0103	0.286	0.02095569	0.014
08/04/95 0	06:19:25	23251.6742	205.2	659.78	40.48	0.00069534	0.0005	1.9998	0.291	0.02076096	0.014
08/04/95 0	06:24:25	23233.4959	208.5	658.89	40.89	0.00069534	0.0005	1.9978	0.293	0.02235031	0.014
08/04/95 0	06:29:24	23195.482	209.1	670.43	40.71	0.00069495	0.0005	2.0056	0.297	0.02124565	0.014
08/04/95 0	06:34:24	23170.2197	214.1	670.01	40.31	0.00069534	0.0005	2.0593	0.318	0.02125763	0.014
08/04/95 0	06:39:25	23175.9245	216.7	669.40	40.71	0.00069626	0.0005	2.0302	0.294	0.02188238	0.014
08/04/95 0	06:44:24	23406.2139	209.3	711.54	40.32	0.00069652	0.0005	2.5557	0.285	0.06507475	0.014
08/04/95 0	06:49:24	23442.4669	206.9	798.61	41.66	0.00069678	0.0005	2.8342	0.295	0.08530578	0.014
	06:54:24	23524.942	203.4	749.48	42.04	0.00069756	0.0005	2.6352	0.301	0.06497309	0.015
	06:59:25	23710.744		732.20	41.18	0.00069848	0.0005	2.7813	0.293	0.08112327	0.014
	07:04:25	23362.0163		757.94	41.34	0.00069939	0.0005	2.3716	0.292	0.03197224	0.014
	07:09:24	22952.9304		774.97	40.1	0.00070033	0.0005	2.1,170	0.28	0.03137224	0.014
08/04/95 0		22970.2252	$\overline{}$	803.03	39.2	0.00070098	0.0005	2.1330	0.278	0.01542164	0.014
	07:19:25	23326.6427		759.78	39.31	0.00070030	0.0005	2.1232	0.278	0.01501548	0.014
	07:24:25	23738.3182	199.7	738.57	38.86	0.00070072	0.0005	2.2344	0.279	0.01301348	0.014
	07:29:24	24054.3329		795.21	39.06	0.00070177		2.7603			
			_				0.0005		0.286	0.08107403	0.014
	07:34:24 07:39:25	24113.2184	-	721.31	38.63	0.0008019	0.0005	2.5685	0.279	0.071469	0.013
		24607.8198	$\overline{}$	725.28	38.13	0.00070192	0.0005	2.3821	0.282	0.05615362	0.013
	07:44:24	24983.1186	198.7	737.84	37.96	0.0007027	0.0005	2.1753	0.285	0.01917377	0.013
	07:49:23	25342.1278	199.1	696.52	37.8	0.00080384	0.0005	2.1984	0.292	0.03778028	0.013
08/04/95 0		25354.8213	202.2				0.0004	2.4316			0.013
08/04/95 0		25532.7993		655.13	37.2	0.0008052	0.0004	2.4846	0.298	0.07790343	0.013
08/04/95 0		25849.4277		644.43	36.38		0.0004	2.4565	0.296	0.0757617	0.013
08/04/95 0		26017.8615	210.7		36.76	0.00090535	0.0004	2.3646	0.299	0.09234575	0.013
08/04/95 0		26387.6074	204.9		36.35	0.00080491	0.0004	2.2555	0.305	0.06570038	0.013
08/04/95 0		26501.7371	207.5	616.60	36.36	0.00090602	0.0004	2.2226	0.297	0.08274998	0.013
08/04/95 0		26910.9448	208.3	607.99	35	0.00090669	0.0004	2.3420	0.29	0.0840202	0.012
08/04/95 0	08:29:26	27059.243	205.8	610.04	34.66	0.0009072	0.0004	2.2416	0.292	0.0721725	0.012
08/04/95 0	•	27632.8593	214.8		34.59	0.00100874	0.0004	2.2896	0.304	0.10258901	0.012
08/04/95 0	08:39:27	27604.9825	211.6	601.75	34.34	0.0010093		2.2768	0.302		0.012
00/04/05 0	08:44:27	27734.1609	215.4	597.64	34.38			2.3107	0.308	0.10221671	0.012

Site: POT	W in very								Ĺ		
Downwind	data in pp								_		
Date	Time	N2O		CO		C2H4		H2S_		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 1	[
08/01/95	19:39:45	0.50549455	0.058	0.12534089	0.024	0.01692706	0.016	0	1.947	0.03526472	0.012
08/01/95	19:44:45	0.50558133	0.058	0.12478263	0.024	0	0.017	0	2.005	0.03356431	0.013
	19:49:46	0.50568213	0.058	0.12589137	0.024	0	0.018	0	1.986	0.03164923	0.014
08/01/95	19:54:46	0.50447981	0.058	0.12657344	0.023	0	0.017	0	1.964	0.03849606	0.013
	19:59:46	0.50459486	0.058	0.12833976	0.023	0	0.017	0	2.02	0.04140317	0.013
08/01/95	20:04:47	0.50519929	0.058	0.13015304	0.023	0.04019432	0.021	0	1.98	0.04241055	0.017
08/01/95	20:09:47	0.50520625	0.058	0.13143823	0.023	0	0.019	0	2.002	0.0403883	0.015
	20:14:48	0.50521318	0.058	0.13564324	0.023	0.04259621	0.017	0	2.099	0.04309971	0.013
	20:19:47	0.50532759	0.058	0.13398228	0.023	0.2577976	0.07	0	2.075	0.06351827	0.056
08/01/95		0.50573697	0.058	0.14351859	0.023	0.04106282	0.016	0	2.182	0.04347828	0.012
	20:29:47	0.50534116	0.058	0.15697575	0.023	0	0.013	0	2.216	0.04980961	0.011
	20:34:49	0.50656162	0.061	0.26303786	0.023	0	0.013	0	2.293	0.04596876	0.01
	20:39:47	0.50555574	0.059	0.17934857	0.023	0	0.013	0	2.276	0.04506346	0.01
)	20:44:47	0.50566292	0.058	0.15447459	0.023	0	0.013	0	2.285	0.05259779	0.011
08/01/95	20:49:48	0.50626634	0.059	0.16262071	0.023	0	0.013	0	2.443	0.0466642	0.011
	20:54:47	0.5060652	0.058	0.1472336	0.023	0	0.013	0	2.514	0.04565851	0.011
	20:59:47	0.50617223	0.058	0.14328475	0.023	0	0.014	0	2.451	0.05510178	0.011
	21:04:47	0.50637972	0.058	0.14345918	0.023	0.02282077	0.014	0	2.356	0.05227664	0.011
	21:09:48	0.5065871	0.058	0.14815662	0.023	0.02633449	0.015	0	2.297	0.05779516	0.012
Run 2	ļ				ļ						
1	10:54:38	0.50424249	0.057	0.12282186	0.024	0	0.02	0	2.481	0.10133055	0.016
08/02/95	10:59:39	0.50431543	0.057	0.12361658	0.024	0	0.02	0	2.519	0.10421983	0.016
08/02/95	11:04:39	0.50346816	0.057	0.120937	0.025	0	0.02	0	2.551	0.10232356	0.016
08/02/95	11:09:38	0.50257882	0.056	0.12168759	0.024	0	0.02	0	2.576	0.10646404	0.016
08/02/95	11:14:38	0.50270965	0.056	0.12295188	0.025	0	0.02	. 0	2.589	0.10508449	0.016
08/02/95	11:19:39	0.50326157	0.057	0.12089974	0.026	0	0.019	0	2.556	0.09327128	0.015
08/02/95	11:24:39	0.5026318	0.056	0.12030866	0.025	. 0	0.019	0	2.508	0.09659009	0.015
08/02/95	11:29:38	0.50171516	0.056	0.12376314	0.026	. 0	0.019	0	2.624	0.09701172	0.015
08/02/95	11:34:38	0.50278046	0.057	0.12330068	0.026	0	0.019	0	2.54	0.0907364	0.015
08/02/95	11:39:39	0.50224432	0.057	0.12672135	0.026	0	0.019	0	2.626	0.0924178	0.015
08/02/95	11:44:40	0.501857	0.057	0.13484381	0.026	0	0.019	0	2.697	0.08945883	0.015
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	11:59:39	0.50247009	0.057	0.13169294	0.026	0	0.018	0	2.57	0.080972	0.014
08/02/95	12:04:39	0.50213531	0.057	0.136735	0.026	0	0.018	0	2.558	0.08395832	0.014
08/02/95	12:09:39	0.50170685	0.056	0.12863243	0.026	0	0.018	.0	2.563	0.08077389	0.014
08/02/95	12:14:40	0.5016217	0.056	0.12775725	0.026	0	0.018	0	2.657	0.07920343	0.014
08/02/95	12:19:40	0.50136156	0.056	0.12531512	0.027	0	0.018	0	2.681	0.07498695	0.014
08/02/95	12:24:39	0.50173152	0.056	0.12510419	0.026	0	0.018	0	2.544	0.06786169	0.014
08/02/95	12:29:39	0.5003844	0.056	0.12737241	0.026	0	0.018	0	2.654	0.06889644	0.014
	12:34:40	0.50124576	0.056	0.12551355	0.027	0	0.017	0	2.621	0.06396947	0.014
08/02/95		0.50152327	0.056	0.12366189	0.026	0	0.018	0	2.522	0.06521825	
08/02/95	12:44:40	0.50067902	0.056	0.13144342	0.025	0	0.017	0	2.533	0.06395092	+
08/02/95		0.50099142	0.056	0.14224433	0.026	0	0.017	0	2.561	0.06161223	+
08/02/95		0.50056889	0.056	0.13845092	0.026	0	0.017	0	2.617	0.06112891	0.013
08/02/95		0.50044964	0.056	0.14336166	0.026	0	0.017	. 0	2.533	0.05983527	0.013
	13:04:42	0.49999853	0.056	0.14795254	0.026	0	0.017	9	2.57	0.06272783	0.013
08/02/95		0.49986901	0.056	0.12633606	0.026	0	0.017	<u> </u>	2.601	0.06184992	0.014
00/02/95	13:20:16	0.49838061	0.056	0.13614349	0.027	0	0.017	0	2.646	0.06081279	0.013
	13:25:16	0.49920261	0.056	0.13287032	0.027	0	0.016	0	2.619	0.05532034	
08/02/95		0.49919846	0.056	0.14288909	0.027	0	0.016	0	2.638	0.05185819	
08/02/95		0.49852165	0.056	0.12772462	0.028	0	0.017	0	2.753	0.05214492	0.013
08/02/95		0.49794061	0.056	0.13222898	0.026	0	0.017	0	2.724	0.05910696	0.013
	13:45:15	0.49847821	0.056	0.13276512	0.026	0	0.017	. 0	2.748	0.05755185	0.014
	13:50:15	0.49817371	0.056	0.13976878	0.026	0	0.017	0	2.755	0.05704434	0.013
	13:55:16	0.49832308	0.056	0.13682046	0.027	0	0.017	0	2.83	0.05617054	0.014
	14:00:16	0.49811993	0.056	0.13996926	0.026	0	0.016	0	2.682	0.05292016	0.013
08/02/95	14:05:18	0.49921748	0.056	0.15363664	0.026	0	0.016	0	2.595	0.04806226	0.013
08/02/95	14:10:19	0.49925557	0.056	0.1309923	0.027	0	0.017	0	2.677	0.04535913	
	14:15:15	0.49874706	0.056	0.1309923	0.027	0	0.016	0	2.662	0.04952892	0.013
	14:20:16	0.49820765	0.055	0.13360838	0.028	0	0.017	0	2.811	0.04965795	0.013
08/02/95	14.35:41	0.49585641	0.055	0.15805932	0.028	0	0.015	1 0	2.821	0.03511299	0.012

08/02/95 14:40 08/02/95 14:45 08/02/95 14:55 08/02/95 15:05 08/02/95 15:05 08/02/95 15:15 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:35 08/02/95 17:32 08/02/95 16:35 08/02/95 17:32 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36	Time 4:40:42 4:45:42 4:50:44 4:55:42 5:00:42 5:05:43 5:10:43	N2O ppm 0.49804298 0.49845046 0.4973725	95% CI 0.055	CO	95% CI	C2H4		H2S		DICLM	<u> </u>
08/02/95 14:40 08/02/95 14:45 08/02/95 14:55 08/02/95 15:00 08/02/95 15:05 08/02/95 15:15 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:35 08/02/95 17:32 08/02/95 16:35 08/02/95 17:32 08/02/95 18:31 08/02/95 18:31 08/02/95 18:46 08/02/95 18:46 08/02/95 18:56 08/02/95 18:56 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11	4:40:42 4:45:42 4:50:44 4:55:42 5:00:42 5:05:43 5:10:43	ppm 0.49804298 0.49845046	-		95% CI				ļ	DIOC.	r .
08/02/95 14:45 08/02/95 14:55 08/02/95 15:00 08/02/95 15:05 08/02/95 15:05 08/02/95 15:15 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 18:31	1:45:42 1:50:44 1:55:42 5:00:42 5:05:43 5:10:43	0.49804298 0.49845046	-	ı ppili			95% CI	ppm	95% CI	ppm	95% CI
08/02/95 14:45 08/02/95 14:55 08/02/95 15:00 08/02/95 15:05 08/02/95 15:05 08/02/95 15:15 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:05 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 18:31	1:45:42 1:50:44 1:55:42 5:00:42 5:05:43 5:10:43	0.49845046		0.14710044	0.029	ppm 0	0.016	0	2.857	0.02831989	0.012
08/02/95 14:50 08/02/95 15:05 08/02/95 15:05 08/02/95 15:05 08/02/95 15:10 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 17:56 08/02/95 17:56 08/02/95 18:61	4:50:44 4:55:42 5:00:42 5:05:43 5:10:43		0.055	0.14231255	0.029	Ö	0.016	0	2.819	0.03402462	0.013
08/02/95 15:00 08/02/95 15:00 08/02/95 15:00 08/02/95 15:10 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:56 08/02/95 16:55 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 18:61	1:55:42 5:00:42 5:05:43 5:10:43	0.49/3/25	0.055	0.14801057	0.029	0	0.017	0	2.996	0.04092177	0.013
08/02/95 15:00 08/02/95 15:10 08/02/95 15:15 08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:15 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:56 08/02/95 16:55 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 17:56 08/02/95 18:61 08/02/95 18:65	5:00:42 5:05:43 5:10:43	0.49746372	0.056	0.14956492	0.029	0	0.016	0	2.884	0.04194741	0.012
08/02/95 15:10 08/02/95 15:25 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 16:55 08/02/95 16:05 08/02/95 16:15 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 17:56 08/02/95 17:56 08/02/95 18:61	5:10:43	0.49602744	0.055	0.13757608	0.029	0	0.017	0	3.005	0.04215877	0.013
08/02/95 15:15 08/02/95 15:25 08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 15:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:15 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:35 08/02/95 16:55 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36		0.49738862	0.055	0.13059127	0.029	0	0.016	0	2.909	0.03741374	0.013
08/02/95 15:20 08/02/95 15:35 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 15:55 08/02/95 16:00 08/02/95 16:00 08/02/95 16:15 08/02/95 16:15 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:05 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 17:36 08/02/95 18:31 08/02/95 18:11 08/02/95 18:26 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36	:15:42	0.49709368	0.055	0.13403285	0.029	0	0.016	0	2.91	0.03577607	0.013
08/02/95 15:25 08/02/95 15:35 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 15:55 08/02/95 16:00 08/02/95 16:00 08/02/95 16:15 08/02/95 16:15 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:35 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:05 08/02/95 17:35 08/02/95 17:35 08/02/95 17:35 08/02/95 17:35 08/02/95 17:35 08/02/95 17:36 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36		0.49690073	0.055	0.1340083	0.029	0	0.017	0	2.93	0.03138749	0.013
08/02/95 15:30 08/02/95 15:35 08/02/95 15:45 08/02/95 15:45 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:11 08/02/95 18:16 08/02/95 18:16 08/02/95 18:16 08/02/95 18:36	5:20:42	0.49668598	0.055	0.14514279	0.029	0	0.016	0	2.931	0.0315971	0.013
08/02/95 15:35 08/02/95 15:40 08/02/95 15:40 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:11 08/02/95 18:21 08/02/95 18:21 08/02/95 18:36 08/02/95 19:11 08/02/95 19:16	5:25:43	0.49602811	0.055	0.13777425	0.029	0 !	0.016	0	2.871	0.03406114	0.013
08/02/95 15:40 08/02/95 15:45 08/02/95 15:55 08/02/95 15:55 08/02/95 16:05 08/02/95 16:05 08/02/95 16:15 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:26 08/02/95 18:21 08/02/95 18:36	5:30:43	0.49640265	0.055	0.13519702	0.028	0	0.016	0	2.832	0.03203914	0.013
08/02/95 15:45 08/02/95 15:50 08/02/95 15:55 08/02/95 16:00 08/02/95 16:05 08/02/95 16:15 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:10 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:11 08/02/95 18:11 08/02/95 18:26 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36 08/02/95 19:11 08/02/95 19:11	5:35:43	0.49709472	0.055	0.1405543	0.029	0	0.016		2.813	0.03041771	0.013
08/02/95 15:50 08/02/95 16:00 08/02/95 16:00 08/02/95 16:00 08/02/95 16:00 08/02/95 16:10 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:45 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 17:05 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 18:06 08/02/95 18:06 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:26 08/02/95 18:31		0.49564286	0.055	0.14867243	0.029	0	0.016	0	2.913	0.03287948	0.013
08/02/95 15:55 08/02/95 16:00 08/02/95 16:00 08/02/95 16:10 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:45 08/02/95 16:50 08/02/95 16:50 08/02/95 16:50 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:16 08/02/95 18:11 08/02/95 18:26 08/02/95 18:31		0.49426831	0.055	0.15409481	0.029	0	0.015	0	3.005	0.03678656	0.012
08/02/95 16:00 08/02/95 16:05 08/02/95 16:15 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:10 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:21 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:41 08/02/95 18:45 08/02/95 18:56 08/02/95 18:56 08/02/95 18:56 08/02/95 18:56 08/02/95 18:56 08/02/95 18:56 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11		0.49473781	0.055	0.15225065	0.029	0	0.016	0	3.012	0.03645005	0.012
08/02/95 16:05 08/02/95 16:10 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:10 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:11 08/02/95 18:26 08/02/95 18:31		0.49357471	0.055	0.17678148	0.029	0	0.015	0	3.041	0.03441401	0.012
08/02/95 16:10 08/02/95 16:15 08/02/95 16:25 08/02/95 16:25 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:55 08/02/95 16:55 08/02/95 17:30 08/02/95 17:30 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:16 08/02/95 18:11 08/02/95 18:21 08/02/95 18:31		0.49568949	0.055 0.055	0.15330814 0.15449937	0.03	0	0.015	0	3.045 3.144	0.02797669	0.012
08/02/95 16:15 08/02/95 16:20 08/02/95 16:20 08/02/95 16:30 08/02/95 16:35 08/02/95 16:35 08/02/95 16:45 08/02/95 16:55 08/02/95 17:00 08/02/95 17:00 08/02/95 17:19 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:16 08/02/95 18:11 08/02/95 18:21 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31		0.49400891	0.055	0.15449937	0.031	0	0.015	0	3.144	0.02958934	0.012
08/02/95 16:20 08/02/95 16:35 08/02/95 16:35 08/02/95 16:35 08/02/95 16:45 08/02/95 16:55 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:05 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:06 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:26 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36		0.49616266	0.055	0.1707897	0.029	0	0.013	0	3.058	0.02909334	0.012
08/02/95 16:25 08/02/95 16:30 08/02/95 16:30 08/02/95 16:40 08/02/95 16:55 08/02/95 16:55 08/02/95 17:00 08/02/95 17:00 08/02/95 17:00 08/02/95 17:00 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:16 08/02/95 18:21 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:56 08/02/95 18:56 08/02/95 18:56 08/02/95 19:01 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11		0.49762508	0.056	0.20437892	0.029	0	0.014	0	2.794	0.03091029	0.011
08/02/95 16:30 08/02/95 16:40 08/02/95 16:45 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:10 08/02/95 18:21 08/02/95 18:21 08/02/95 18:36 08/02/95 19:31 08/02/95 19:31	3:25:45	0.49735169	0.056	0.19229301	0.027	0	0.014	0	2.785	0.03415597	0.011
08/02/95 16:35 08/02/95 16:40 08/02/95 16:45 08/02/95 16:55 08/02/95 17:05 08/02/95 17:05 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:01 08/02/95 18:10 08/02/95 18:10 08/02/95 18:10 08/02/95 18:21 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 19:36 08/02/95 19:36 08/02/95 19:36	3:30:45	0.49758782	0.056	0.18923215	0.027	ō	0.014	0	2.779	0.03413719	0.011
08/02/95 16:45 08/02/95 16:50 08/02/95 16:55 08/02/95 17:00 08/02/95 17:05 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:36 08/02/95 19:06	3:35:46	0.49767657	0.057	0.22315964	0.028	0	0.014	0	2.83	0.0325059	0.011
08/02/95 16:50 08/02/95 17:00 08/02/95 17:00 08/02/95 17:00 08/02/95 17:10 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:16 08/02/95 18:16 08/02/95 18:21 08/02/95 18:21 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:56 08/02/95 18:56 08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	3:40:46	0.49843156	0.057	0.20212189	0.028	0	0.014	0	2.849	0.03523132	0.011
08/02/95 16:55 08/02/95 17:00 08/02/95 17:00 08/02/95 17:10 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:16 08/02/95 18:21 08/02/95 18:26 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:56 08/02/95 19:06 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	3:45:45	0.49815713	0.057	0.20567427	0.028	0	0.014	0	2.83	0.035619	0.011
08/02/95 17:00 08/02/95 17:10 08/02/95 17:10 08/02/95 17:10 08/02/95 17:26 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:21 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31 08/02/95 18:31	3:50:45	0.49884911	0.056	0.18711932	0.027	. 0	0.014	0	2.749	0.03176345	0.011
08/02/95 17:05 08/02/95 17:10 08/02/95 17:10 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:16 08/02/95 18:26 08/02/95 18:31 08/02/95 18:31 08/02/95 18:36 08/02/95 19:06	5:55:46	0.49822494	0.057	0.20706774	0.026	0	0.014	0	2.705	0.03675096	0.011
08/02/95 17:10 08/02/95 17:19 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:16 08/02/95 18:26 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 18:36 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16	7:00:45	0.4991096	0.057	0.20181963	0.025	0	0.013	0	2.581	0.03416191	0.011
08/02/95 17:19 08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:11 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:41 08/02/95 18:51 08/02/95 18:51 08/02/95 18:51 08/02/95 18:51 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11	7:05:45	0.4986348	0.057	0.19351828	0.026	. 0	0.014	0	2.625	0.0344552	0.011
08/02/95 17:26 08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:41 08/02/95 18:41 08/02/95 18:56 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16	7:10:46	0.49908058	0.057	0.19225876	0.025	0	0.014	0	2.579	0.03341423	0.011
08/02/95 17:32 Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:06 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:31 08/02/95 18:36 08/02/95 18:36 08/02/95 18:41 08/02/95 18:56 08/02/95 18:56 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16 08/02/95 19:16		0.49733383	0.057	0.1892815	0.025	0	0.016	0	2.64	0.05608341	0.013
Run 3 08/02/95 17:56 08/02/95 18:01 08/02/95 18:16 08/02/95 18:16 08/02/95 18:16 08/02/95 18:26 08/02/95 18:31 08/02/95 18:36 08/02/95 18:46 08/02/95 18:46 08/02/95 18:56 08/02/95 18:56 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16		0.49870646	0.057	0.1857946	0.025	0	0.016	0	2.635	0.06060951	0.013
08/02/95 17:56 08/02/95 18:01 08/02/95 18:01 08/02/95 18:11 08/02/95 18:16 08/02/95 18:26 08/02/95 18:21 08/02/95 18:31 08/02/95 18:36 08/02/95 18:46 08/02/95 18:56 08/02/95 18:56 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:16	.32.10	0.49902152	0.056	0.17203431	0.025	0	0.021	0	2.64	0.06039502	0.016
08/02/95 18:01 08/02/95 18:06 08/02/95 18:11 08/02/95 18:16 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:51 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	7-56-21	0.49898457	0.057	0.20629433	0.024	0	0.013	. 0	2.478	0.03147207	0.01
08/02/95 18:06 08/02/95 18:11 08/02/95 18:16 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:51 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16		0.49927954	0.057	0.20023433	0.024	0	0.013	0	2.503	0.03147207	0.01
08/02/95 18:11 08/02/95 18:16 08/02/95 18:21 08/02/95 18:31 08/02/95 18:31 08/02/95 18:41 08/02/95 18:51 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16		0.49816258	0.057	0.20298145	0.025	0	0.013	0	2.654	0.03432103	0.011
08/02/95 18:16 08/02/95 18:21 08/02/95 18:31 08/02/95 18:36 08/02/95 18:41 08/02/95 18:51 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	3:11:32	0.49782814	0.056	0.20502392	0.025	0	0.013	Ö	2.699	0.03220643	0.011
08/02/95 18:21 08/02/95 18:31 08/02/95 18:36 08/02/95 18:41 08/02/95 18:41 08/02/95 18:56 08/02/95 18:56 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	3:16:31	0.49916415	0.056	0.1924158	0.025	ō	. 0.014	0	2.593	0.02985237	0.011
08/02/95 18:26 08/02/95 18:31 08/02/95 18:41 08/02/95 18:41 08/02/95 18:51 08/02/95 18:56 08/02/95 19:01 08/02/95 19:11 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16		0.49826412	0.056	0.19363963	0.025	0	0.015	0	2.606	0.02812699	0.012
08/02/95 18:31 08/02/95 18:36 08/02/95 18:41 08/02/95 18:51 08/02/95 18:56 08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16		0.49848667	0.056	0.18879764		0	0.014	0		0.02913168	0.011
08/02/95 18:41 08/02/95 18:46 08/02/95 18:51 08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16		0.49838517	0.057	0.19904956	0.024	0	0.013	0	2.499	0.02872566	0.01
08/02/95 18:41 08/02/95 18:46 08/02/95 18:51 08/02/95 19:01 08/02/95 19:01 08/02/95 19:11 08/02/95 19:16 08/02/95 19:16	3:36:31	0.49838517	0.057	0.20229769	0.025	0	0.014	0	2.586	0.02842115	0.011
08/02/95 18:51 08/02/95 18:56 08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:21		0.49838517	0.056	0.1853465	0.025	0	0.014	0	2.656	0.02649257	0.011
08/02/95 18:56 08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:21	3:46:32	0.49869932	0.057	0.19921587	0.024	0	0.014	0	2.573	0.02547284	0.011
08/02/95 19:01 08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:21	3:51:31	0.49890229	0.057	0.19982478	0.024	0	0.014	0	2.539	0.02455947	0.011
08/02/95 19:06 08/02/95 19:11 08/02/95 19:16 08/02/95 19:21		0.49961269	0.057	,0.1990129	0.024	0	0.016	0	2.47	0.03135899	0.013
08/02/95 19:11 08/02/95 19:16 08/02/95 19:21		0.49964089	0.057	0.19271573	0.024	0	0.016	0	2,431	0.03103738	0.013
08/02/95 19:16 08/02/95 19:21		0.50036924	0.057	0.206434	0.024	0	0.014	0	2.479	0.02920088	0.011
08/02/95 19:21		0.50027698	0.057	0.19777921	0.024	0	0.014	0	2.403	0.02899275	0.011
		0.50076064	0.057	0.19527536	0.023	0	0.015	0	2.362	0.02838894	0.012
		0.5012765	0.058	0.19655716	0.023	. 0	0.013	. 0	2.31	0.02716726	0.01
08/02/95 19:26	7:26:32	0.50114822	0.057	0.18926181	0.024	0	0.013	0	2.398	0.02728372	0.01
08/02/95 19:31		0.50084394	0.057	0.18855182	0.024	0	0.013	0	2.359	0.02596518	0.01
08/02/95 19:36	9:31:33	0.50115723	0.057	0.18020162	0.024	0	0.013	0	2.359	0.02393224	0.011
08/02/95 19:41 08/02/95 19:46	9:31:33 9:36:32	0.50118934	0.057	0.17578121	0.024	0	0.014	0	2.387	0.02382271	0.011
08/02/95 19:46	9:31:33 9:36:32 9:41:32	0.50120716	0.057		0.024	0	0.013	0	2.338 2.357	0.02168587	0.01
08/02/95 19:56	9:31:33 9:36:32 9:41:32 9:46:33	0.60152740	0.057	0.18199976	0.024		0.013			0.02177515	0.01
08/02/95 19.50	9:31:33 9:36:32 9:41:32 9:46:33 9:51:32	0.50153746		∩ 182079£4	0.000	Λ Ι	יייות	, ,	. 7 772	1 0 00051571	
08/02/95 20:06	9:31:33 9:36:32 9:41:32 9:46:33 9:51:32	0.50153746 0.50207801 0.50271012	0.058 0.058	0.18297864 0.18429333	0.023	0	0.013	0	2.236 2.154	0.02651571 0.02953548	0.011

Cito: BOT	W in very :										
	data in pp				_	-				-	
Date	Time	N2O		CO		C2H4		H2S		DICLM	i
Date	THIRE	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/02/95	20:11:32	0.50316303	0.058	0.18924184	0.023	0	0.014	0	2.118	0.03344316	0.011
	20:16:33	0.50338864	0.058	0.18166422	0.023	0	0.015	0	2.076	0.03281872	0.012
	20:21:33	0.50340414	0.058	0.18492809	0.023	0	0.015	0	2.118	0.0331094	0.012
	20:26:32	0.50362889	0.058	0.18210139	0.023	0	0.014	0	2.045	0.0338981	0.011
	20:31:32	0.5039465	0.058	0.1834458	0.023	0	0.013	0	2.092	0.03378469	0.011
	20:36:33	0.50399132	0.058	0.18654028	0.022	0	0.015	0	2.046	0.03587701	0.012
	20:41:33	0.5043009	0.059	0.1978915	0.023	0	0.013	0	2.061	0.03627339	0.011
08/02/95	20:46:34	0.504416	0.058	0.18019174	0.022	0	0.014	0	2.038	0.03767004	0.011
08/02/95	20:51:34	0.50433656	0.058	0.17898411	0.022	0	0.016	0	2.06	0.03805174	0.013
08/02/95	20:56:33	0.50454488	0.058	0.1747237	0.022	0.03271037	0.017	0	2.074	0.0408628	0.014
	21:01:33	0.50455873	0.058	0.16147892	0.022	0	0.018	0	2.098	0.04165251	0.014
08/02/95	21:06:33	0.50449448	0.058	0.16018731	0.022	0	0.018	0	2.126	0.04223394	0.014
	21:11:34	0.50451481	0.058	0.15457047	0.022	0	0.019	0	2.126	0.0417079	0.015
<u> </u>	21:16:34	0.50481631	0.058	0.1567815	0.022	0	0.02	0	2.239	0.04391892	0.016
	21:21:33	0.50494601	0.058	0.15160436	0.022	0	0.019	0	2.281	0.04350211	0.015
	21:26:33	0.50495259	0.058	0.15398694	0.022	0	0.019	0	2.342	0.04429761	0.015
	21:31:34	0.50505304	0.058	0.15931069	0.022	0.04198731	0.021	0	2.249	0.04700971	0.016
08/02/95	21:36:33	0.50533384	0.058	0.16406224	0.022	0.02029429	0.018	0	2.363	0.04963059	0.015
08/02/95	21:41:33	0.50475829	0.058	0.16600984	0.022	0.02023423	0.018	Ö	2.375	0.05774692	0.014
08/02/95	21:46:34	0.50475623	0.058	0.16196254	0.022	0	0.02	Ö	2.368	0.052314	0.015
08/02/95	21:51:34	0.50526689	0.058	0.15995432	0.022	0.0532177	0.02	0	2.425	0.05100866	0.016
08/02/95	21:56:34	0.50597605	0.059	0.16484379	0.022	0.05712309	0.019	ō	2.464	0.04989486	0.015
08/02/95	22:01:35	0.50508532	0.059	0.16699026	0.022	0	0.019	Ö	2.38	0.04957523	0.015
08/02/95	22:06:34	0.50551551	0.058	0.16231873	0.022	0	0.02	0	2.716	0.04855517	0.016
08/02/95	22:11:34	0.50552793	0.058	0.15523849	0.022	0	0.02	0	2.653	0.05405268	0.016
08/02/95	22:16:35	0.50543382	0.058	0.14899319	0.022	0.02376271	0.021	0	2.52	0.05765214	0.016
08/02/95	22:21:35	0.50554628	0.058	0.14733407	0.022	0.05231863	0.029	0	2.492	0.06244158	0.023
08/02/95	22:26:34	0.50605928	0.058	0.14647766	0.022	0.06482288	0.031	0	2.674	0.06181718	0.025
08/02/95	22:31:35	0.50666042	0.058	0.14767994	0.022	0.03917426	0.023	0	2.604	0.05971319	0.018
08/02/95	22:36:35	0.50736738	0.058	0.14725174	0.023	0.06180566	0.034	0	2.698	0.06370892	0.027
08/02/95	22:41:34	0.5075788	0.058	0.14919953	0.022	0.03604821	0.021	0	2.565	0.05777727	0.017
08/02/95	22:46:34	0.50837987	0.058	0.1497002	0.023	0.04886535	0.022	0	2.727	0.06558771	0.017
08/02/95	22:51:35	0.50876978	0.058	0.14855396	0.023	0.0589007	0.028	0	2.632	0.06170549	0.022
08/02/95	22:56:35	0.50829101	0.058	0.15303816	0.023	0.03255066	0.016	0	2.699	0.06329851	0.013
08/02/95	23:01:34	0.50869163	0.059	0.1656578	0.023	0	0.014	0	2.559	0.05789009	0.011
08/02/95	23:06:34	0.50738961	0.058	0.16145125	0.023	0	0.014	ō	2.704	0.06249726	0.011
08/02/95	23:11:35	0.50738961	0.058	0.15784564	0.023	0.04807481	0.019	0	2.83	0.06209664	0.015
08/02/95	23:16:35	0.50731167	0.059	0.15582645	0.022	0.04363541	0.02	0	2.837	0.06705441	0.016
08/02/95	23:21:35	0.50780667	0.058	0.15445411	0.023	0.16766729	0.045	. 0	2.793	0.07247231	0.035
08/02/95	23:26:35	0.50803439	0.058	0.15400136	0.023	0.10957212	0.033	0	2.839	0.06964584	0.026
08/02/95	23:31:36	0.50913511	0.058	0.16070578	0.023	0	0.015	0	2.55	0.06514288	0.012
	23:36:35	0.50823981	0.058	0.16347714	0.023	ō		0	2.729	0.0610288	0.012
	23:41:36	0.50765023	0.059	0.17151697	0.023	0	0.015	ō	2.682	0.06660659	0.012
	23:46:35	0.50775024	0.059	0.16611644	0.023	0.06000594	0.022	0	2.55	0.06700663	
	23:51:35	0.50815548	0.059	0.15808615	0.023	0.15858611	0.041	O	2.714	0.07719324	0.032
	23:56:36	0.50875543	0.059	0.16288573	0.023	0	0.015	0	2.595	0.06579424	0.012
	00:01:35	0.50846563	0.059	0.15972638	0.023	0.02009074	0.016	0	2.653	0.06367065	0.013
	00:06:35	0.50897033	0.059	0.15949669	0.023	0.02878136	0.017	0	2.655	0.0688554	0.013
	00:11:36	0.50887532	0.059	0.15467092	0.023	0.09791828	0.031	0	2.619	0.07114063	0.025
	00:16:36	0.50907515	0.059	0.15596984	0.023	0.12719385	0.04	o	2.57	0.07423804	0.032
	00:21:35	0.50958888	0.059	0.1613748	0.023	0.04403855	0.022	0	2.608	0.07269855	0.017
	00:26:35	0.51088263	0.059	0.16849638	0.024	0.02157393	0.015	0	2.502	0.06731865	0.012
	00:31:36	0.50998832	0.059	0.16187411	0.024	0.21979328	0.054	0	2.576	0.08158615	0.043
	00:36:36	0.50969336	0.059	0.1595475	0.024	0.09634752	0.032	0	2.656	0.07657881	0.025
	00:41:36	0.50989759	0.059	0.1570221	0.024	0.05909541	0.024	1 0	2.585	0.07237192	0.019
	00:46:36	0.51009273	0.058	0.15355698	0.024	0.04582747	0.022	0	2.501	0.0703886	0.01B
	00:51:36	0.5094983	0.058	0.15362811	0.024	0.03284188	0.023	-	2.593	0.07297086	0.018
	00:56:37	0.50969794	0.059	0.15292935	0.024	0.04112721	0.024	0	2.528	0.07426856	0.019
	01:01:37	0.50960269	0.058	0.15290077	0.024	0.08802773	0.033	0	2.5	0.0746539	0.026
	01:06:36	0.509707	0.059	0.15307176	0.024	0.11764772	0.033	Ö	2.529	0.07683524	0.026
	01:11:37	0.51010614	0.059	0.15367047	0.024	0.08302197	0.03	0	2.573	0.07643609	0.023
	01:16:37	0.51070915	0.059	0.15404081	0.024	0.06245437	0.023	0	2.572	\	0.018
		2.0.07.0010	0.000	, 3,13404001	U.UL.4	, 5.00270707	0.020	<u> </u>			1 7.0.0

Site: POT	W in very										
Downwind	data in pp										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	01:21:38	0.51161517	0.059	0.1539832	0.024	0.05485153	0.021	0	2.538	0.0730024	0.017
08/03/95	01:26:38	0.51111652	0.059	0.15338482	0.025	0.12905069	0.034	0	2.399	0.07719106	0.027
08/03/95	01:31:38	0.51081733	0.059	0.15268671	0.024	0.15547915	0.043	0	2.481	0.07958458	0.034
08/03/95	01:36:39	0.51151544	0.059	0.15328509	0.024	0.05704559	0.022	0	2.528	0.07619376	0.017
08/03/95	01:41:39	0.51490966	0.059	0.15295728	0.025	0.03818947	0.017	0	2.434	0.07308845	0.013
08/03/95	01:46:39	0.51461052	0.059	0.15345584	0.025	0	0.015	0	2.392	0.07039625	0.012
08/03/95	01:51:40	0.51251274	0.059	0.15508023	0.025	0.06661968	0.021	0	2.494	0.07449835	0.016
08/03/95	01:56:40	0.51241687	0.059	0.1548518	0.025	0.05723434	0.021	Ō	2.523	0.07598008	0.017
08/03/95	02:01:40	0.51261247	0.059	0.15438212	0.025	0.06233128	0.023	0	2.469	0.07639322	0.018
08/03/95	02:06:41	0.51201409	0.059	0.15438212	0.025	0.06013722	0.023	0	2.405	0.07479754	0.018
08/03/95	02:11:41	0.51242069	0.059	0.15472313	0.025	0.05323592	0.021	0	2.366	0.0741714	0.017
08/03/95	02:16:41	0.51153519	0.059	0.154437	0.025	0.04284381	0.018	0	2.382	0.07363158	0.014
08/03/95	02:21:40	0.51153519	0.059	0.15493518	0.025	0.10910227	0.028	0	2.383	0.0772185	0.022
08/03/95	02:26:40	0.51214408	0.059	0.15375276	0.025	0.17834922	0.043	0	2.51	0.08384704	0.034
08/03/95	02:31:41	0.51393653	0.059	0.15086492	0.025	0.1218869	0.03	0	2.537	0.08006297	0.024
	02:36:41	0.5174192	0.059	0.14890119	0.025	0.21642963	0.056	0	2.4	0.08246835	0.045
08/03/95	02:41:41	0.51891792	0.059	0.14317037	0.025	0.18528516	0.066	0	2.373	0.08054578	0.052
08/03/95	02:46:42	0.51702624	0.059	0.14526117	0.025	0.14715286	0.045	0	2.489	0.08164096	0.036
08/03/95	02:51:42	0.5176184	0.059	0.14362242	0.025	0.07679118	0.025	0	2.451	0.07908197	0.019
08/03/95	02:56:42	0.51611547	0.059	0.14420141	0.025	0.08560401	0.028	0	2.467	0.08052159	0.022
	03:01:43	0.515016	0.059	0.1473183	0.025	0.18629087	0.045	0	2.59	0.08950733	0.036
	03:06:43	0.51611241	0.059	0.15399646	0.025	0	0.016	0	2.478	0.07824416	0.013
	03:11:43	0.51521535	0.059	0.15349809	0.025	0	0.016	0	2.463	0.07804481	0.013
	03:16:44	0.51362056	0.059	0.15628897	0.025	0	0.016	0	2.457	0.07625068	0.013
	03:21:44	0.51292284	0.059	0.15449483	0.025	0.11293074	0.029	0	2.5	0.08512167	0.023
	03:26:44	0.51252415	0.059	0.15309939	0.025	0.08243047	0.024	. 0	2.432	0.08352688	0.019
	03:31:45	0.5122289	0.059	0.15277177	0.025	0.04614046	0.022	0	2.449	0.08211607	0.017
	03:36:45	0.51231451	0.059	0.1534353	0.025	0.03945479	0.02	0	2.491	0.08199822	0.016
	03:41:45	0.51231082	0.059	0.15366335	0.025	0.02790255	0.019	0	2.535	0.08151532	0.015
	03:46:45	0.51180488	0.059	0.15322246	0.025	0.04884776	0.02	0	2.467	0.08094771	0.016
	03:51:46	0.51230332	0.059	0.15312277	0.025	0.0475518	0.022	0	2.455	0.08334026	0.018
	03:56:46	0.51240676	0.059	0.15289476	0.025	0.04943664	0.022	0	2.536	0.0845207	0.018
	04:01:45	0.51240301	0.059	0.15152774	0.025	0.04914683	0.023	0	2.452	0.0829415	0.018
	04:06:45	0.51210395	0.059	0.14963364	0.025	0.0428664	0.022	0	2.337	0.08403808	0.017
	04:11:46	0.51170906	0.059	0.15120036	0.025	0.02521667	0.023	0	2.373	0.0828263	0.018
	04:16:46	0.51210011	0.059	0.15115727	0.025	0.02991239	0.022	0	2.326	0.08305673	0.018
	04:21:46	0.51180488	0.059	0.1519265	0.025	0.0428664	0.022	0	2.363	0.08593218	0.018
	04:26:47	0.51229568	0.059	0.15357901	0.025	0.03320897	0.023	0	2.479	0.08686189	0.018
	04:31:47	0.5122213	0.059	0.15572006	0.025	0.04695528	0.023	0	2.435	0.08703176	0.018
	04:36:47	0.51261247	0.059	0.1569751	0.025	0.07320186	0.024	0	2.528	0.08736353	0.019
	04:41:48	0.51212161	0.059	0.15801299	0.025	0.07566679	0.024	0	2.465	0.0878293	0.019
08/03/95		0.51149787			0.025	0.05943707	0.023	0	2.449	0.08696162	0.018
08/03/95		0.51189678		0.15437682	0.025	0.06502176	0.022	0	2.476	0.08935506	0.018
08/03/95		0.51179308	0.059	0.153508	0.025	0.08877331	0.025	0	2.467	0.09066847	0.02
08/03/95		0.51169732	0.059	0.15078666	0.025	0.0400901	0.022	. 0	2.39	0.08755998	0.017
08/03/95		0.51150186	0.059	0.15095786	0.025	0.09063454	0.026	0	2.416	0.08933834	0.02
08/03/95		0.51182643	0.059	0.15280037	0.025	0.06179793	0.023	0	2.452	0.08761352	0.018
08/03/95		0.51063442	0.059	0.1522735	0.025	0.0845078	0.026	0	2.43	0.08919161	0.021
08/03/95		0.51163483	0.059	0.15154753	0.025	0.06974574	0.025	0	2.395	0.08977273	0.02
08/03/95		0.51135119	0.059	0.15193184	0.025	0.09050199	0.027	0	2.35	0.09119893	0.021
08/03/95		0.51106374	0.059	0.15254297	0.025	0.08716741	0.026	0	2.333	0.09084914	0.021
08/03/95		0.51106374	0.059	0.15214495	0.025	0.06710741	0.028	0	2.343	0.0950284	0.029
08/03/95		0.5119593	0.059	0.15214493	0.025	0.15035384	0.037	0	2.382	0.09363532	0.029
08/03/95				0.15154791	0.025			0	2.432	0.09363532	0.029
08/03/95		0.51275535	0.059	0.15174692		0.08438124 0.23861582	0.024	0	2.401	0.09104813	0.019
			0.059		0.025	0.16414722	0.056	0	2.428	0.09586038	0.044
08/03/95		0.51304716 0.51902202	0.059	0.15349606 0.14610246	0.025	0.16414722	0.041	0	2.614	0.09586038	+
			0.059		0.026		+		2.559	•	0.056
08/03/95		0.5184272	0.059	0.14955779	0.026	0.06348494	0.021	0		0.09622248	0.017
08/03/95		0.51564661	0.059	0.15109321	0.026	0.07579528	0.027	0	2.652	0.09449542	0.022
08/03/95		0.51377797	0.059	0.15027459	0.026	0.10721112	0.033	0	2.521	0.09497831	0.026
	06:21:52	0.51586099	0.059	0.14893807	0.026	0.12595564	0.036	0	2.448	0.09342208	0.028
08/03/95	106:26:52	0.51943835	0.059	0.1472024	0.026	0.059717	0.02	0	2.487	0.09166559	0.016

Site: POT	W in very										
	data in pp										_
Date	Time	N2O		co		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	06:31:52	0.5206307	0.059	0.1466327	0.027	0	0.018	0	2.505	0.08929364	0.014
08/03/95	06:36:53	0.52012649	0.059	0.14900598	0.026	0	0.018	0	2.48	0.09422437	0.014
08/03/95	06:41:52	0.52191745	0.059	0.14813729	0.026	0.03685998	0.02	0	2.622	0.09483974	0.016
08/03/95	06:46:52	0.52171624	0.059	0.14756718	0.026	0	0.022	Ö	2.5	0.09366181	0.017
	06:51:53	0.52211089	0.06	0.15210791	0.026	0	0.021	0	2.618	0.09588978	0.017
08/03/95			0.06		0.026	0	0.021	0	2.889	0.0991977	0.017
08/03/95	06:56:53	0.52220858		0.15143849		-					
	07:01:52	0.52081054	0.06	0.15475741	0.026	0	0.022	0	3.992	0.10310513	0.017
	07:06:52	0.51881355	0.059	0.16665464	0.025	0	0.021	0	3.521	0.10103001	0.017
08/03/95	07:11:53	0.5164262	0.059	0.15961358	0.025	0.13060199	0.042	0	3.439	0.11325486	0.033
08/03/95	07:16:53	0.51884206	0.059	0.14949349	0.025	0.08760318	0.03	0	4.766	0.11182113	0.024
08/03/95	07:21:52	0.51883678	0.059	0.14944972	0.025	0	0.027	0	4.923	0.10947017	0.021
08/03/95	07:26:52	0.51574282	0.059	0.15177118	0.025	0.05813574	0.025	0	3.633	0.10400614	0.02
08/03/95	07:31:53	0.51415017	0.059	0.15328701	0.025	0	0.023	0	2.711	0.09670255	0.018
08/03/95	07:36:53	0.51424619	0.059	0.15181841	0.025	0	0.02	0	2.674	0.09881672	0.016
	07:41:52	0.51344767	0.059	0.15221767	0.025	0	0.019	0	2.685	0.09831764	0.015
	07:46:52	0.51303619	0.059	0.15260255	0.025	0	0.018	0	2.654	0.09687465	0.015
	07:51:53	0.5126367	0.059	0.18985435	0.025	0	0.019	Ö	2.807	0.09917168	0.015
08/03/95	07:56:53	0.51232849	0.059	0.17583817	0.025	0	0.018	0	2.745	0.09860925	0.015
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08/03/95	08:01:52	0.51212868	0.059	0.16494819	0.025	0	0.019	0	2.793	0.09860925	0.015
08/03/95	08:06:52	0.51251524	0.059	0.16154177	0.024	0.02019272	0.019	0	2.911	0.10116353	0.015
08/03/95	08:11:53	0.51181549	0.058	0.15924259	0.024	0.02699027	0.019	0	2.904	0.10106357	0.015
08/03/95	08:16:53	0.51051596	0.058	0.15684346	0.024	0.0257907	0.021	0	2.834	0.09926422	0.017
08/03/95	08:21.51	0.5101063 <u>1</u>	0.056	0.15720195	0.024	0.03390042	0.021	Û	2.821	0.10260127	0.016
08/03/95	08:26:52	0.50978606	0.058	0.16722664	0.023	0.07285517	0.023	0	2.754	0.10007579	0.018
08/03/95	08:31:52	0.51076671	0.059	0.17065617	0.024	0.06289441	0.022	0	2.67	0.09864808	0.017
08/03/95	08:36:53	0.51094122	0.058	0.17151666	0.024	0.03759132	0.022	0	2.76	0.10164693	0.017
08/03/95	08:41:51	0.51201296	0.058	0.16167246	0.024	0.07185443	0.023	0	2.514	0.09925143	0.018
08/03/95	08:46:52	0.51168481	0.058	0.1606172	0.024	0.05142965	0.023	0	2.578	0.10275885	0.018
08/03/95	08:51:53	0.5115676	0.058	0.15779197	0.024	0.07155916	0.023	0	2.564	0.10160999	0.018
08/03/95	08:56:52	0.51213678	0.058	0.15494905	0.024	0.07073323	0.024	0	2.576	0.10504338	0.019
08/03/95	09:01:52				0.024			0			_
08/03/95	,	0.51171666	0.058	0.15151162		0.03020165 0.04126159	0.021		2.673	0.09815537	0.017
	09:06:52	0.51134175	0.058	0.15125893	0.024			0	2.694	0.09731696	0.017
08/03/95	09:11:52	0.5102531	0.058	0.14986736	0.023	0.02534669	0.02	0	2.63	0.09444661	0.016
08/03/95	09:16:52	0.5103041	0.058	0.14908213	0.023	0.02699595	0.022	0	2.626	0.10123482	0.017
08/03/95	09:21:55	0.50834238	0.057	0.14503896	0.022	0.02360161	0.02	0	3.079	0.10106331	0.016
08/03/95	09:26:51	0.50662773	0.057	0.13596141	0.022	0	0.021	0	3.048	0.10176934	0.017
08/03/95	09:31:52	0.50596252	0.057	0.13287701	0.023	0	0.021	0	2.793	0.09683058	0.016
08/03/95	09:36:52	0.50600181	0.056	0.12862396	0.023	- · · · O	0.021	0	2.812	0.09353551	0:016
08/03/95	09:41:52	0.50496631	0.056	0.12808803	0.023	0	0.019	. 0	2.738	0.09196842	0.015
08/03/95	09:46:53	0.50429093	0.056	0.12597163	0.023	o	0.021	0	2.75	0.08977754	0.017
08/03/95	09:51:53	0.50336836	0.056	0.12556452	0.022	0	0.02	0	2.611	0.08842003	0.016
	09:56:53	0.50363086			0.022			t			
08/03/05	10:01:52	0.50363086	0.056	0.12244746	0.023	0	0.02	0	2.555	0.08678413	0.016
	10:06:52			0.12296127	<u> </u>			}		 	
		0.50146011	0.056	0.12526393	0.023	0	0.02	0	2.547	0.08775552	0.016
	10:11:53	0.50146011	0.056	0.12526393	0.024	0	0.02	. 0	2.545	0.08775552	0.016
	10:16:52	0.50186451	0.056	0.12384851	0.024	0	0.019	0	2.545	0.08654231	0.015
	10.21:52	0.50176341	0.055	0.12809475	0.024	0	0.018	0	2.616	0.08613791	0.015
	10:26:54	0.5000447	0.056	0.12880246	0.024	0	0.018	0	2.678	0.08371149	0.014
08/03/95		0.49964029	0.056	0.12930796	0.025	0	0.018	0	2.723	0.07895975	0.014
	10:41:50	0.49943809	0.057	0.13143108	0.026	0	0.018	0	2.779	0.06915297	0.014
	10:45:57	0.50226892	0.056	0.11909678	0.026	0	0.015	. 0	2.864	0.0483262	0.012
08/03/95	10:51:58	0.5000447	0.057	0.11292963	0.027	0	0.022	0	3.04	0.05378564	0.017
Run 4	1111111111	0.0000	-	0.117202000	- 5.52.		0.022	<u>-</u>			
	11:11:31	0.50044415	0.056	0.11387109	0.028	0	0.016	0	2.957	0.02669171	0.012
	11:16:32				 -	†		}			•
		0.50071994	0.056	0.11535548	0.029	0	0.016	0	2.965	0.02030906	0.013
	11:21:32	0.50165267	0.056	0.11176034	0.029	0	0.017	0	2.949	0.01451565	0.013
	11:26:32	0.50085011	0.056	0.11214577	0.029	0	0.016	0	2.956	0.01522341	0.012
08/03/95	11:31:33	0.50098605	0.056	0.11310294	0.03	0	0.017	0	3.047	0	0.013
	11:36:33	0.50006157	0.056	0.11251385	0.03	0	0.017	0	3.074	0	0.013
08/03/95	11:41:33	0.49962489	0.056	0.11460966	0.029	0	0.016	0	2.969	0.01261011	0.012
08/03/95	11:46:32	0.49971649	0.056	0.11239298	0.03	0	0.016	0	3.021	0	0.013
08/03/95	11:51:33	0.49918742	0.056	0.11864096	0.03	0	0.016	0		0	0.012
		1 000 10/44	, 0.000	0. 100-1030	U.U.J		<u>, 0.010</u>			 	J.V.L

Downwin	W in very										
Date	data in pp	N2O		co		C2H4		H2S		DICLM	
Date	THE	ppm	95% CI	ppm	95% CI	ppm	95% C1	ppm	95% CI	ppm	95% CI
08/03/95	11:56:34	0.49961344	0.056	0.11932436	0.031	ppiii	0.016	ppiii	3.092	<u> </u>	0.013
08/03/95	12:01:33	0.49974316	0.056	0.13008831	0.03	0	0.015	0	3.037	0	0.012
08/03/95	12:06:33	0.49857302	0.055	0.1156983	0.031	0	0.016	Ö	3.176	0	0.012
08/03/95	12:11:34	0.49823462	0.055	0.11637374	0.031	0	0.016	0	3.119	0	0.013
08/03/95	12:16:34	0.49852447	0.055	0.113963	0.031	0	0.016	0	3.127	0	0.013
08/03/95	12:21:34	0.49850784	0.055	0.11541707	0.031	0	0.016	0	3.243	0	0.013
08/03/95	12:26:35	0.49918759	0.055	0.11555835	0.031	0	0.016	0	3.157	0	0.012
08/03/95 08/03/95	12:31:34 12:36:34	0.49967931	0.055	0.11251735 0.12243933	0.035	0	0.015	0	3.559	0	0.012
	12:41:35	0.49732668	0.056	0.12243933	0.032	0	0.016	- 0	3.205	0	0.012
	12:46:35	0.49749786	0.056	0.12935558	0.033	0	0.016	— 	3.27	0	0.012
	12:51:34	0.49937177	0.056	0.12522598	0.031	0	0.017	0	3.063	0	0.013
08/03/95	12:56:34	0.49822431	0.056	0.13353517	0.032	0	0.015	0	3.147	0	0.012
08/03/95	13:01:35	0.49749636	0.056	0.13110324	0.032	0	0.016	Ö	3.106	0	0.013
	13:06:35	0.49793747	0.055	0.12056622	0.033	0	0.017	0	3.181	0	0.013
08/03/95	13:11:34	0.49824477	0.055	0.12476606	0.033	0	0.017	0	3.301	0	0.014
08/03/95	13:16:34	0.49799269	0.055	0.12813727	0.033	0	0.015	0	3.282	0	0.012
08/03/95 08/03/95	13:21:35	0.49509375	0.055	0.13741795	0.033	0	0.016	. 0	3.366	0	0.013
	13:26:34	0.49804746	0.055	0.11920312	0.033	0	0.017	0	3.337 3.314	0	0.014
	13:31:34 13:36:35	0.49760103 0.49689493	0.055	0.12047507 0.126917	0.033	0	0.016 0.016	0	3.441	0	0.013
	13:41:35	0.49599623	0.055	0.12215292	0.034	0	0.017		3.427	0	0.013
	13:46:35	0.49599925	0.055	0.13876475	0.034	0	0.016		3.412	0	0.013
08/03/95	13:51:36	0.49638499	0.055	0.13583543	0.034	0	0.016	0	3.451	0	0.013
08/03/95	13:56:35	0.49633555	0.055	0.12398108	0.034	0	0.017	0	3.492	0	0.013
08/03/95	14:01:35	0.49640023	0.055	0.12528294	0.034	0	0.016	3.55585496	3.457	0	0.013
08/03/95	14:06:36	0.49497321	0.055	0.14695963	0.035	. 0	0.016	3.64468116	3.542	0	0.012
08/03/95	14:11:36	0.49687465	0.055	0.12116137	0.034	0	0.017	3.64203467	3.485	0	0.014
08/03/95	14:16:37	0.49475508	0.055	0.12099263	0.034	0	0.016	3.69243201	3.437	0	0.012
08/03/95	14:21:37	0.49661629	0.055	0.12117602	0.035	0	0.018	3.83142136	3.523	0	0.014
08/03/95	14:26:36 14:31:37	0.49466515 0.49735206	0.055	0.12672136 0.12829586	0.034	0	0.018	3.82525986 3.83037158	3.494 3.347	0	0.014 0.014
08/03/95	14:36:37	0.4963376	0.055	0.12248896	0.034	0	0.019	3.97317118	3.493	0	0.015
08/03/95	14:41:36	0.49577075	0.055	0.12144478	0.035	0	0.017	3.92558139	3.569	0	0.013
08/03/95	14:46:36	0.4950893	0.055	0.12230528	0.035	0	0.017	3.75254831	3.573	0	0.013
08/03/95	14:51:37	0.49444032	0.055	0.12283655	0.035	0	0.017	4.00791636	3.588	0	0.013
08/03/95	14:56:36	0.4960796	0.055	0.12200877	0.035	0	0.017	3.92944549	3.599	0	0.013
08/03/95	15:01:36	0.49339809	0.054	0.13902605	0.036	0	0.018	4.01917299	3.698	0	0.014
08/03/95	15:06:37	0.49312997	0.055	0.15523699	0.036	0	0.017	4.18088455	3.632	0	0.013
08/03/95	15:11:36	0.48910269	0.055	0.1548431	0.037	0	0.017	4.17438914	3.742	0	0.014
08/03/95	15:16:36	0.48855316	0.055	0.17158439	0.036	. 0	0.017	4.32248822	3.735	. 0	0.013
08/03/95		0.49453685	0.055	0.13192455	0.036	0	0.017	4.2903801	3.586	0	0.014
08/03/95 08/03/95		0.49327849 0.49361351	0.055	0.16120279 0.14242806	0.036	0	0.018 0.018	4.30319897 4.18645959	3.721 3.739	0	0.014
08/03/95		0.49361351	0.055	0.14242606	0.037	0	0.018	4.42162998	3.686	0	0.014
08/03/95		0.49528362	0.055	0.13853511	0.035	0	0.02	4.56320625	3.531	0	0.016
08/03/95		0.49322209	0.055	0.15904737	0.033	0	0.019	4.61062154	3.364	0	0.015
08/03/95		0.49447547	0.055	0.13419272	0.034	0	0.018	4.77083926	3.354	0	0.014
08/03/95	15:56:36	0.49035246	0.054	0.13597491	0.035	0	0.018	5.02069117	3.502	0	0.014
08/03/95	16:01:37	0.48972768	0.054	0.14492152	0.035	0	0.018	4.98373569	3.542	ō	0.014
08/03/95	16:06:37	0.49520707	0.055	0.1555894	0.034	0	0.02	4.74290087	3.499	0	0.016
08/03/95		0.49540207	0.055	0.15641022	0.034	0	0.018	4.69436735	3.385	0	0.015
08/03/95		0.4934085	0.055	0.15060643	0.034	0	0.018	4.87026004	3.4	0	0.015
08/03/95		0.49200566	0.055	0.15714132	0.035	0	0.018	4.81611901	3.579	0	0.015
08/03/95		0.49305318	0.056	0.18989768	0.035	0	0.018	4.67162732	3.566	0	
08/03/95		0.49560519	0.055	0.1700515	0.033	0	0.018	4.54330554 4.61475047	3.333		0.014
08/03/95 08/03/95	16:36:37	0.4960676 0.49327955	0.056	0.19206614	0.033	0	0.018	4.85431684	3.357	0	
08/03/95		0.49327933	0.055	0.16919535	0.033	0	0.018	5.15839477	3.357	0	0.014
	16:51:37	0.49171224	0.055	0.16276944	0.033	0	0.018	5.07597219	3.308	0	0.014
08/03/95	16:56:38	0.49088705	0.055	0.1738064	0.033	0	0.018	5.0615313	3.325	0	0.014
	17:01:38	0.49170654	0.055	0.1802821	0.034	0	0.018	5.14473597	3.453	0	0.015

Site: POT	W in very :					w=					
	data in pp		ļ								
Date	Time	N2O		co	0.70/ 01	C2H4	0701 01	H2S	0.501.01	DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 5	10.14.14	0.48430547	0.052	0.19178373	0.03	0	0.014	0	2.89	0	0.011
08/03/95	18:14:14 18:19:14	0.48328981	0.052	0.16133715	0.031	- 0	0.014	0	3.006	0	0.011
08/03/95	18:24:15	0.48328381	0.052	0.19102535	0.031	0	0.014	0	3.047	0	0.011
08/03/95	18:29:14	0.48896589	0.054	0.21466795	0.029	0	0.014	3.05449465	2.763	0	0.011
08/03/95	18:34:14	0.49002128	0.055	0.2360694	0.028	0	0.014	3.1181304	2.712	0	0.011
08/03/95	18:39:15	0.49019961	0.054	0.22227592	0.028	0	0.014	3.1665579	2.692	0	0.011
08/03/95	18:44:15	0.48795569	0.053	0.18227579	0.029	0	0.014	3.12472787	2.789	0	0.011
	18:49:15	0.48630893	0.053	0.22817924	0.03	0	0.014	0	2.983	0	0.011
08/03/95	18:54:16	0.48622057	0.053	0.20035375	0.03	. 0	0.014	0	2.947	0	0.011
08/03/95	18:59:16	0.48644087	0.053	0.22470111	0.029	0	0.014	0	2.866	0	0.011
08/03/95	19:04:16	0.48707251	0.054	0.22939212	0.03	0	0.014	0	2.931	0	0.011
08/03/95	19:09:17	0.48718966	0.053	0.19407365	0.03	0	0.014	0	2.911	0	0.011
08/03/95	19:14:16	0.4880406	0.054	0.22392088	0.029	0	0.014	0	2.859	0	0.011
08/03/95	19:19:17	0.48861013	0.052	0.15471969	0.029	0	0.014	0	2.798	0	0.011
08/03/95	19:24:18	0.48927899	0.053	0.16408559	0.029	0	0.014	0	2.873	0	0.011
08/03/95	19:29:18	0.48901176	0.053	0.17743994		0	0.014	0	2.821	. 0	0.011
08/03/95	19:34:17 19:39:17	0.48979676 0.49056658	0.053	0.15913012 0.15204695	0.028	0	0.014	0	2.788	0	0.011
08/03/95	19:44:18	0.49036636	0.053	0.15247573	0.027	0	0.014	0	2.678	0	0.011
08/03/95	19:49:17	0.49111727	0.053	0.13247373	0.027	0	0.013	0	2.681	0	0.011
08/03/95	19:54:17	0.49215055	0.053	0.14568229	0.027	0	0.013		2.628	0	0.011
08/03/95	19:59:18	0.49301647	0.054	0.15056149	0.026	0	0.013	2.56315442	2.509	0	0.01
	20:04:18	0.4932681	0.054	0.17701301	0.026	0	0.013	0	2.478	0	0.01
08/03/95	+	0.49393834	0.055	0.19633105	0.025	0	0.013	0	2.38	0	0.01
08/03/95	20:14:18	0.49469726	0.055	0.21616252	0.025	0	0.013	2.41743285	2.357	0	0.01
08/03/95	20:19:19	0.49514902	0.054	0.15021489	0.024	0	0.013	2.50120524	2.295	_ 0	0.01
08/03/95	20:24:18	0.49561029	0.054	0.14702461	0.024	0	0.013	2.46126315	2.245	0	0.01
08/03/95	20:29:18	0.49564218	0.054	0.15375687	0.024	0	0.013	2.38872278	2.243	0	0.01
	20:34:19	0.49702548	0.056	0.22001987	0.023	. 0	0.012	2.28755649	2.204	0	0.01
	20:39:19	0.49760256	0.056	0.21993932	0.022	. 0	0.012	2.3322901	2.176	0	0.01
08/03/95	20:44:19	0.49704273	0.055	0.16297812	0.022	0	0.012	2.24905756	2.16	0.01064223	0.01
08/03/95	20:49:19	0.49827782	0.056	0.22624123	0.022	0	0.012	0	2.155	0.01347518	0.01
08/03/95	20:54:20	0.49930017	0.058	0.28242014	0.022	0	0.012	0	2.141	0.01529607	0.01
08/03/95	20:59:19	0.49909757	0.056	0.22164106	0.021	0	0.012	0	2.111	0.01620776 0.01720485	0.01
	21:09:20	0.49853583	0.055	0.15812498	0.022	0	0.012	0	2.121	0.01720463	0.01
	21:14:20	-0.50066984	0.057	0.15812498	-0.021	0	0.012		2.137	0.01993002	0.01
08/03/95	21:19:19	0.50184993	0.059	0.29942902	0.021	0	0.012	0	2.126	0.02065726	0.01
	21:24:19	0.50125974	0.056	0.19536173	0.022	0	0.012	ő	2.14	0.02115575	0.01
	21:29:20	0.50143618	0.055	0.15921181	0.022	0	0.012	0	2.135	0.02167387	0.01
	21:34:19	0.50047618		0.16298102	0.022	Ö	0.012	0	 	0.02084053	0.01
	21:39:19	0.50012113	· • • • • • • • • • • • • • • • • • • •	0.16431975	0.022	0	0.013	0	2.148	0.02219174	0.01
	21:44:20	0.5032173	· 	0.37824578	0.021	0	0.013	0	2.142	0.02150156	0.01
08/03/95	21:49:20	0.50633941	0.059	0.30521715	0.022	0	0.013	0	2.274	0.02514028	0.01
	21:54:20	0.50505652	0.057	0.23537692	0.022	0	0.013	0	2.249	0.02744214	0.01
08/03/95	21:59:21	0.50356585	0.056	0.20529837	0.022	0	0.013	0	2.197	0.02672106	0.01
	22:04:20	0.50293543	0.056		0.022	0	0.013	0	2.198	0.02839395	0.01
	22:09:20	0.50467505	· •	0.33745616	0.022	0	0.013	0	2.177	0.02907717	0.01
	22:14:21	0.50556889	+	 	0.022	0	0.013	0	2.215	0.03413421	0.01
	22:19:21	0.50445414		0.1939666	0.022	0	0.013	0	2.155	0.03101854	0.01
	22:24:20	0.50551587	0.056		0.023	0	0.014	0	2.261	0.04052574	0.011
	22:29:20		0.057		0.023	0	0.013	0	2.199	0.03693184	0.011
	22:34:21	0.50543235	0.056		0.023	0	0.013	0	2.226	0.03606643	0.011
	22:39:21	0.50617059	0.06		0.023	0	0.014	0	2.236	0.04056594	0.011
	22:44:21	0.50980199	0.055	0.18345233	0.023	0	0.014	0	2.179	0.04340165	0.011
	22:54:22	0.50980199	0.057	0.20221477	0.023	0	0.014	0	2.339	0.0430343	0.012
	22:59:22	0.51046608	0.056	0.17393233	0.024	0	0.013	0	+	0.04960556	0.012
	23:04:23	0.51006981	0.056	0.17270239	0.024	0	0.014	0	2.258	0.04701845	0.011
	23:09:23			· · · · · · · · · · · · · · · · · · ·	0.024	0	0.015	0	2.354	0.04907346	0.012
	23:14:23	0.5073994			0.024	0	0.014	0	2.323	0.04444887	0.011
		. 5.55, 6554	, 5.000	2.7.300077	, 5.527	·	3.0.7	' 	,		

Site: POT	W in very						-				
	data in pp										
Date	Time	N2O		CO		C2H4		H2S		DICLM	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	23:19:23	0.50671331	0.056	0.17920594	0.024	0	0.014	0	2.269	0.04455064	0.011
	23:24:24	0.50722096	0.057	0.18268381	0.024	0	0.014	0	2.279	0.04865549	0.011
08/03/95	23:29:24	0.51235208	0.057	0.16944716	0.024	0	0.015	0	2.303	0.0518368	0.012
	23:34:24	0.51376492	0.057	0.16567566	0.025	0	0.015	0	2.384	0.05241886	0.012
08/03/95	23:39:24	0.51045742	0.057	0.18070974	0.025	0	0.015	0	2.379	0.04911136	0.012
	23:44:25	0.50876978	0.057	0.19603514	0.024	0	0.015	0	2.368	0.05178854	0.012
	23:49:24	0.51038751	0.057	0.19282196	0.024	0	0.015	0	2.381	0.05566408	0.012
08/03/95		0.51118843	0.057	0.18741574	0.024	0	0.015	0	2.381	0.05566408	0.012
	23:59:24	0.51187509	0.057	0.18120979	0.024	0	0.015	0	2.373	0.05669693	0.012
	00:04:24	0.51499281	0.057	0.16428912	0.024	0	0.015	0	2.387	0.05626477	0.012
	00:09:25	0.51948132	0.057	0.16534417	0.025	0	0.016	0	2.465	0.05892265	0.012
	00:14:25	0.51455342	0.057	0.18271611	0.025	0	0.016	0	2.516	0.06137336	0.013
08/04/95	00:19:24	0.51655495	0.057	0.18014227	0.025	0_	0.016	0	2.518	0.0622875	0.013
08/04/95	00:24:24	0.52018606	0.058	0.17032286	0.026	0	0.016	0	2.544	0.06231813	0.013
08/04/95	00:29:25	0.5156816	0.058	0.18902315	0.026	0	0.016	0	2.516	0.06220635	0.013
08/04/95	00:34:25	0.51400844	0.057	0.1866757	0.026	0	0.016	0	2.499	0.05882385	0.013
08/04/95	00:39:24	0.51350824	0.057	0.18577534	0.026	0_	0.016	0	2.492	0.0599243	0.013
08/04/95	00:44:24	0.51610929	0.058	0.18377452	0.026	0	0.016	0	2.49	0.06112479	0.013
08/04/95	00:49:25	0.51592034	0.058	0.1858713	0.026	0	0.016	0	2.469	0.0634902	0.013
08/04/95	00:54:25	0.51663738	0.058	0.17650778	0.025	0	0.016	0	2.43	0.06413016	0.013
	00:59:25	0.51722689	0.058	0.1727088	0.026	0	0.016	0	2.434	0.06516559	0.013
	01:04:24	0.51733013	0.058	0.17447526	0.026	0	0.016	0	2.429	0.06455385	0.013
	01:09:24	0.51802002	0.058	0.17807251	0.026	0	0.016	0	2.48	0.06479	0.013
	01:14:25	0.51981679	0.058	0.17780574	0.026	0	0.017	0	2.49	0.06590213	0.013
	01:19:25	0.51741672	0.058	0.17530566	0.026	0	0.017	0	2.488	0.06570212	0.013
	01:24:24	0.51821346	0.058	0.17053734	0.026	0	0.017	0	2.542	0.06671461	0.013
	01:29:24	0.51813879	0.058	0.16678716	0.026	0	0.017	0	2.548	0.0684127	0.013
	01:34:25	0.51582401	0.057	0.16814263	0.026	0_	0.017	0	2.496	0.06847664	0.013
08/04/95		0.5168202	0.058	0.16567442	0.026	0	0.017	0	2.486	0.07108902	0.013
	01:44:23	0.51942863.	0.058	0.15508912	0.026	0	0.017	0	2.525	0.07184863	0.013
	01:49:24	0.51861176	0.057	0.15728226	0.026	0	0.017	0	2.598	0.07164636	0.014
	01:54:24	0.52330392	0.058	0.15364243	0.026	0	0.017	0	2.519	0.07007374	0.014
-	01:59:24	0.52049379	0.058	0.16286064	0.026	0	0.017	0	2.506	0.07052626	0.013
	02:04:23	0.51789282	0.058	0.16226041	0.025	0	0.017	0	2.473	0.07312723	0.013
08/04/95	02:09:24	0.51698894	0.058	0.16379154	0.026	0	0.017	0	2.441	0.07374121	0.013
08/04/95	02:14:24	0.51549193	0.057	0.16566168	0.026	0	0.017	0	2.464	0.07222689	0.013
	02:19:25	0.51699599	0.057	0.16603083	0.026	0	0.017	0	2.453	0.06951291	0.013
08/04/95	02:24:24	0.51520323	0.057	0.17066794	0.026	0	0.016	0	2.393	0.06558768	0.013
	02:29:24	0.51260793	0.057	0.17313513	0.026	0	0.016	0	2.379	0.06427592	0.013
08/04/95		0.51109489	0.057	0.16833125	0.026	0	0.016	0	2.364	0.06481203	0.013
	02:39:25	0.51130396	0.057	0.16276943	0.026	0	0.016	0	2.36	0.06528774	0.013
	02:44:24	0.51112175 0.51152138	0.057	0.16204837 0.16134903		0		0		0.06663765 0.06773662	0.013
08/04/95	02:49:24	0.51152138	0.057		0.026		0.016 0.017	 -	2.352 2.352	0.06773662	
			0.057	0.15992044	0.026	0		0			0.013
08/04/95	 -	0.51082644	0.057	0.15902145	0.026	0	0.017	0	2.33	0.0698216	0.013
	03:04:24	0.51263244	0.057	0.15506782	0.026	0	0.017	0	2.325	0.07009505 0.070794	0.013
08/04/95 08/04/95		0.51383064 0.51343504	0.057	0.15257155	0.026	0	0.017	0	2.35	0.0705811	0.013
	03:14:25		0.057	0.15194403	0.026		·			~	
	03:19:25	0.51543168	0.057	0.14864958	0.026	0	0.017	0	2.371	0.07127992	0.013
	03:24:24	0.51363471	0.057	0.15044655	0.026	0	0.017	0	2.377	0.07018177	0.013
	03:29:23	0.51313555	0.057	0.15024689	0.026	0	0.017	. 0	2.345	0.07137975	0.013
08/04/95		0.51353862	0.057	0.14422999	0.026	0	0.017	0	2.431	0.07186546	0.013
08/04/95		0.51325037	0.057	0.14375001	0.026	0	0.017	0	2.426	0.07322172	0.014
	03:44:24	0.51217928	0.057	0.14336238	0.026	0	0.017	0	2.412	0.0732254	0.014
	03:49:23	0.51545778	0.057	0.14095094	0.027	0	0.017	0	2.434	0.07226975	0.014
	03:54:25	0.51336093	0.057	0.14237316	0.027	0	0.018	0	2.475	0.07567313	0.014
	03:59:25	0.511275	0.057	0.14511041	0.026	0	0.017	0	2.468	0.07634243	0.014
1	04:04:24	0.51147813	0.057	0.14309032	0.027	0	0.018	0	2.481	0.07642777	0.014
	04:09:24	0.51296928	0.057	0.14132319	0.027	0	0.018	0	2.508	0.07713974	0.014
	04:14:25	0.51566621	0.057	0.1358904	0.027	0	0.018	0	2.54	0.07790784	0.014
	04:19:25	0.51487837	0.057	0.13481828	0.027	0	0.018	0	2.52	0.08085114	0.014
08/04/95	04:24:24	0.51231095	0.057	0.13738615	0.027	0	0.018	0	2.546	0.08024147	0.014

08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:29:24 :34:25 :39:25 :44:24	N2O ppm 0.51340932 0.51388266	95% CI 0.057	CO		C2H4		H2S		DICLM	 -
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:29:24 :34:25 :39:25 :44:24	ppm 0.51340932 0.51388266			!	U2H4		T25		DICLM	
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:34:25 :39:25 :44:24	0.51340932 0.51388266		DOM			oca CI	-	2504 01		050/ 01
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:34:25 :39:25 :44:24	0.51388266	1 1115/1		95% CI	ppm	95% CI	ppm	95% CI		95% CI
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:39:25 :44:24			0.13716131	0.027	0	0.018	0	2.514	0.08052504	0.014
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:	:44:24		0.057	0.13760625	0.027	0	0.018	0	2.484	0.08274297	0.014
08/04/95 04: 08/04/95 04: 08/04/95 04: 08/04/95 05:		0.51479983	0.057	0.13509638	0.027	0	0.018	0	2.521	0.08312857	0.015
08/04/95 04: 08/04/95 04: 08/04/95 05:	-AQ-2A	0.51776835	0.057	0.1323042	0.028	0	0.019	0	2.543	0.0824288	0.015
08/04/95 04: 08/04/95 05:	.73.27	0.51737983	0.058	0.13399551	0.028	0	0.019	0	2.562	0.08336172	0.015
08/04/95 05:	:54:24	0.51658649	0.057	0.13536277	0.028	0	0.019	0	2.605	0.08523578	0.015
	:59:25	0.51499516	0.057	0.13516385	0.027	0	0.019	0	2.634	0.08941303	0.015
22 (2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	:04:24	0.51747457	0.058	0.1332497	0.027	0	0.02	0	2.61	0.09015999	0.015
08/04/95 05:	:09:24	0.51916632	0.058	0.1290701	0.027	0	0.019	0	2.623	0.08856776	0.015
08/04/95 05:	:14:25	0.52267057	0.058	0.12445011	0.028	0	0.019	0	2.583	0.08764232	0.015
08/04/95 05:	:19:25	0.51796982	0.058	0.13048778	0.027	0	0.02	0	2.674	0.0934615	0.016
08/04/95 05:	:24:24	0.51946281	0.058	0.13048778	0.027	0	0.021	0	2.843	0.09356104	0.017
08/04/95 05:	:29:24	0.52245316	0.058	0.12613682	0.028	Ö	0.02	0	2.635	0.08913138	0.016
	:34:24	0.52496048	0.058	0.12092289	0.028	0	0.02	0	2.603	0.08900163	0.016
08/04/95 05:	:39:25	0.52316797	0.058	0.12564388	0.028	0 :	0.02	0	2.629	0.09152206	0.016
	:44:25	0.52416047	0.058	0.131065	0.028	0	0.02	0	2.642	0.09155641	0.016
	:49:24	0.52276865	0.058	0.13104041	0.028	0	0.02	0	2.66	0.09253423	0.016
08/04/95 05:		0.52169734	0.058	0.13196576	0.028	0	0.02	0	2.669	0.09437491	0.016
	:59:25	0.51901228	0.058	0.13276133	0.028	0	0.02	0	2.738	0.09487214	0.016
	:04:24	0.52060515	0.058	0.130549	0.028	0	0.02	0	2.713	0.09475491	0.016
08/04/95 06:		0.51932011	0.058	0.13174258	0.028	0	0.02	0	2.702	0.09438571	0.016
	:14:24	0.51922432	0.058	0.13328214	0.028	0	0.021	90	2.674	0.09504546	0.016
	5:19:25	0.51803054	0.056	0.13656523	0.028	Ö	0.021	00	2.722	0.00724869	0.017
	:24:25	0.5176332	0.058	0.13618789	0.028	0	0.021	0	2.744	0.09863937	0.017
	:29:24	0.5170332	0.058	0.13462196	0.028	0	0.021	0	2.776	0.09759099	0.017
	34:24	0.51902389	0.058	0.13549255	0.028	0	0.021	0	2.978	0.09416931	0.017
<u> </u>	:39:25	0.51902389	0.058	0.13726219	0.028	0	0.021	0	2.752	0.09737658	0.017
08/04/95 06:		0.52199105	0.058	0.13728219	0.028	0	0.021	0	2.671	0.09721412	0.016
	3:49:24	0.52885603	0.059	0.14236333	0.027	- 0	0.021	0			
				- ,					2.765	0.10073448	0.017
	3:54:24 3:59:25	0.52586348 0.5251559	0.059	0.16024038	0.027	0	0.022	0	2.814	0.10184432	0.017
			0.059	0.16274544		Ŏ.	0.021	0	2.738	0.10107979	0.017
	2:04:25	0.52864102	0.059	0.16385773	0.028	0	0.021	0	2.736	0.10001317	0.017
	1:09:24	0.53115063	0.059	0.16527799	0.028	<u> </u>	0.021	0	2.62	0.09634546	0.016
	14:24	0.53314796	0.059	0.14991031	0.028	0	0.02	0	2.6	0.09463276	0.016
	:19:25	0.52924549	0.058	0.13043444	0.028	0	0.02	0	2.6	0.09720018	0.016
	:24:25	0.52653662	0.058	0.12910514	0.027	0	0.02	0	2.615	0.09815596	0.016
	:29:24	0.53023816	0.058	0.13378718	0.027	0	0.02	0_	2.677	0.10201898	0.016
	:34:24	0.52484105	0.058	0.14514321	0.027	0	0.02	0	2.607	0.10093868	0.016
	:39:25	0.52323141	0.057	0.14529749	0.027	0	0.02	0	2.636	0.10117679	0.016
	:44:24	0.52351414	0.057	0.14315075	0.026	0	. 0.02	0	2.672	0.10088815	0.016
08/04/95 07:		0.5192779	0.057	0.15202544	0.026	0	0.019	0	2.735	0.10238858	0.015
08/04/95 07:	:54:24		0.057	0.16860318	0.026	0	0.019	0	2.77	0.10073964	
08/04/95 07:		0.51704125	0.057	0.17442719	0.026	0	0.019	0	2.793	0.10024783	0.015
08/04/95 08:		0.51544112	0.057	0.17466441	0.026	0	0.019	0	2.771	0.09739352	0.015
08/04/95 08:		0.51353491	0.056	0.17040708	0.026	0	0.019	0	2.8	0.10009153	0.015
08/04/95 08:		0.51161782	0.056	0.1699356	0.026	0	0.019	Ō	2.854	0.09819843	
08/04/95 08:		0.50998952	0.056	0.16821802	0.025	0	0.019	0	2.776	0.10006506	0.015
08/04/95 08:	:24:26	0.50825169	0.055	0.15756306	0.025	0		0	_	0.09429605	
08/04/95 08:	3:29:26	0.50772746	0.055		0.024	0		0	_	0.09293721	0.014
08/04/95 08:		0.50628736	0.054		0.025	0		0		0.09260247	0.014
08/04/95 08:		0.50545784	0.054			0			2.825	0.09164451	0.014
08/04/95 08:		0.50522528	0.054			0			2.887	0.09050017	+

	W in very : data in pp				<u> </u>						
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
Date.	11110	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI		95% C
Run 1		ppiii	33 /0 01	ррии	00 /0 CI		30,00.		00.00.	, pp	00700
08/01/95	19:39:45	0.0055416	0.003	0	0.004	0	0.001	0.00302269	0.002	0	0.072
08/01/95		0.00514048	0.003	0	0.004	0	0.001	0.00352778	0.002	0	0.073
	19:49:46	0.00473731	0.003	0	0.004	0	0.001	0.00372937	0.002	0	0.072
08/01/95	19:54:46	0.00584495	0.003	0	0.004	0	0.001	0.00342635	0.002	0	0.07
08/01/95	19:59:46	0.00654795	0.003	0.00453319	0.004	0	0.001	0.00312287	0.002	0	0.071
08/01/95	20:04:47	0.00725311	0.004	0.00523836	0.005	0	0.001	0.00292139	0.003	0	0.071
08/01/95		0.00684889	0.004	0.00473379	0.004	0	0.001	0.00292085	0.002	0	0.07
08/01/95		0.00765322	0.003	0.00584061	0.004	0	0.001	0	0.002	0	0.07
	20:19:47	0.01389148	0.013	0	0.016	0	0.005	0	0.009	0	0.069
08/01/95		0.00805153	0.003	0.00613929	0.004	0	0.001	0	0.002	0	0.069
08/01/95		0.00915692	0.002	0.00754691	0.003	0	9E-04	0	0.002	0	0.067
08/01/95		0.0084494	0.002	0.00653823	0.003	0	9E-04	0	0.002	0	0.068
08/01/95		0.00834881	0.002	0.00643764	0.003	0	9E-04	0	0.002	0	0.069
08/01/95 08/01/95		0.01005694	0.003	0.00824669	0.003	0	9E-04 9E-04	0	0.002	0	0.068
08/01/95	 -	0.00864897 0.0085484	0.003	0.00693929	0.003	0	9E-04	0	0.002	0	0.07
08/01/95		0.01055782	0.003	0.00894901	0.003	0	9E-04	. 0	0.002	0	0.069
08/01/95		0.00965107	0.003	0.00814309	0.003	0	9E-04	. 0	0.002	0	0.003
08/01/95		0.01115698	0.003	0.00944825	0.003	0	0.001	0	0.002	0	0.07
Run 2			0.000	0.000	0.000				******		
08/02/95	10:54:38	0.01938235	0.004	0.01586742	0.004	0	0.001	0	0.002	0	0.074
08/02/95	10:59:39	0.01989925	0.004	0.01618071	0.005	0	0.001	0.	0.003	0	0.076
08/02/95	11:04:39	0.01972018	0.004	0.01629933	0.005	0	0.001	0	0.002	0	0.079
08/02/95	11:09:38	0.02036528	0.004	0.01723992	0.005	0	0.001	0	0.003	0	0.079
08/02/95	11:14:38	0.01978536	0.004	0.0165551	0.004	0	0.001	0	0.002	0	0.081
08/02/95	11:19:39	0.01754508	0.004	0.01441924	0.004	0	0.001	0	0.002	0	0.084
08/02/95		0.01796555	0.004	0.01503858	0.004	0	0.001	0	0.002	0	0.081
08/02/95		0.01786792	0.004	0.01494041	0.004	. 0	0.001	0	0.002	0	0.085
08/02/95		0.01683664	0.004	0.01371128	0.004	0	0.001	0	0.002		0.084
08/02/95	11:39:39	0.0167482	0.004	0.01392321	0.004	0	0.001	0	0.002	0	0.085
	11:44:40	0.01623774	0.004	0.01361549	0.004	0	0.001	0	0.002	0	0.087
	A LOSS - (0.000	0.04460700	0.004		0.001		0.000	_	0.007
	11:59:39		0.003	0.01169708	0.004	0	0.001	0	0.002	0	0.087
08/02/95 08/02/95		0.01483398 0.01433737	0.003	0.01200846	0.004	0	0.001	0	0.002	0	0.085
08/02/95		0.01375692	0.003	0.01191415	0.004	0	0.001	0	0.002	0	0.087
	12:19:40		0.003	0.0110156	0.004	0	0.001	0	0.002	0	0.089
08/02/95		0.01163054	0.003	0.01001238	0.004	0	0.001	0	0.002	0	0.085
08/02/95	_	0.01153332	0.003	0.01021812	0.004	0	0.001	0	0.002	0	0.088
08/02/95		0.01081316	0.003	0.00919624	0.004	0	0.001	0	0.002	0	0.088
		0.01092026	0.003	0.00930245	0.004	0	0.001	0	0.002	0	0.085
08/02/95		0.01001763	0.003	0.00880337	0.004	0	0.001	0	0.002	Ō	0.084
08/02/95		0.0093076	0.003	0.00799239	0.004	0	0.001	0.00242807	0.002	0	0.086
08/02/95		0.00910861	0.003	0.00759051	0.004	0	0.001	0.00263138	0.002	Ö	0.088
08/02/95		0.00870699	0.003	0.00728958	0.004	0	0.001	0.00273359	0.002	0	0.085
08/02/95		0.00942437	0.003	0.00810699	0.004	0	0.001	0.00222942	0.002	0	0.085
08/02/95		0.00963236	0.003	0.00841564	0.004	0	0.001	0	0.002	0	0.087
08/02/95		0.00923867		0.00822343	0.004	0	0.001	0	0.002	0	0.088
08/02/95		0.00812042	0.003	0.00730837	0.004	0	0.001	0	0.002	0	0.088
08/02/95		0.00740831	0.003	0.00629199	0.004	0	0.001	0.00202967	0.002	0	0.09
08/02/95		0.00781159	0.003	0.0065942	0.004	0	0.001		0.002	0	0.092
, 	13:40:16	0.00832779	0.003	0.00761688	0.004	0	0.001	0	0.002	0	0.088
08/02/95	•	0.00822169	0.003	0.00761268	0.004	. 0	0.001	0	0.002	0	0.088
08/02/95		0.00791719	0.003	0.00730817	0.004	0	0.001	0	0.002	0	0.088
08/02/95		0.00771964	0.003	0.00711019	0.004	0	0.001	0	0.002	0	0.092
08/02/95		0.00690705	0.003	0.00650075	0.004	0	0.001	0	0.002	0	0.087
08/02/95		0.00629992	0.003	0.00538541	0.004	0	0.001	0.00203223	0.002	0	0.087
08/02/95		0.00559362	0.003	0.0046783	0.004		0.001	0.00223745	0.002	0	0.09
08/02/95		0.00640723	0.003	0.00559362	0.004	0	0.001	0.00213574	0.002	0	0.09
08/02/95	,	0.00651252	0.003	0.00580021	0.004	. 0	0.001	0.00344364	0.002	0	0.094
08/02/95	14:35:41	0	0.003	0	0.003	0	0.001	0.00244264	0.002	0	0.094

Downwing	data in pp							**			
Date	Time	CL3F		CCL4		TCFM		CL2F2		нсс	·
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% C
08/02/95	14:40:42	0	0.003	0	0.004	0	0.001	0.00264862	0.002	0	0.098
08/02/95	14:45:42	0	0.003	0	0.004	0	0.001	0.00275049	0.002	0	0.096
08/02/95	14:50:44	0.00356284	0.003	0	0.004	0	0.001	0.00315566	0.002	0	0.101
08/02/95	14:55:42	0.00397075	0.003	0	0.004	0	0.001	0.00285079	0.002	0	0.098
08/02/95	15:00:42	0.00386965	0.003	0	0.004	0	0.001	0.00264765	0.002	0	0.101
08/02/95	15:05:43	0.00305834	0.003	0	0.004	0	0.001	0.00254862	0.002	0	0.097
08/02/95	15:10:43	0	0.003	0	0.004	0	0.001	0.00275201	0.002	0	0.098
08/02/95	15:15:42	0	0.003	0	0.004	0	0.001	0.00264959	0.002	0	0,1
08/02/95	15:20:42	0	0.003	0	0.004	0	0.001	0.00265008	0.002	0	0.099
08/02/95	15:25:43	0	0.003	0	0.004	0	0.001	0.00275345	0.002	0	0.096
	15:30:43	0	0.003	0	0.004	0	0.001	0.00295903	0.002	0	0.096
	15:35:43	0	0.003	0	0.004	0	0.001	0.00316426	0.002	0	0.097
08/02/95 08/02/95	15:40:43	0	0.003	0	0.004	0	0.001	0.00285909 0.00255462	0.002	0	0.099
08/02/95	15:50:46	0	0.003	0	0.003	0	0.001	0.00255969	0.002	0	0.1
08/02/95	15:55:43	0	0.003	0	0.003	0	0.001	0.00255965	0.002	0	0.101
08/02/95	16:00:43	0	0.003	- 0	0.003	Ö	9E-04	0.00256197	0.002	0	0.104
08/02/95	16:05:44	0	0.003	0	0.003	0	0.001	0.00230137	0.002	0	0.104
08/02/95	16:10:44	0	0.003	0	0.003	0	0.001	0.00286836	0.002	0	0.106
08/02/95	16:15:45	0	0.003	0	0.003	0	9E-04	0.00276044	0.002	0	0.1
08/02/95	16:20:45	0	0.003	0	0.003	0	9E-04	0.00306042	0.002	0	0.093
08/02/95	16:25:45	0	0.003	0	0.003	0	9E-04	0.0031607	0.002	0	0.092
08/02/95	16:30:45	0	0.003	Ú	0.003	0	9E-04	0.00336277	0.002	0	0.093
08/02/95	16:35:46	0	0.003	0	0.003	0	9E-04	0.00336268	0.002	0	0.094
08/02/95	16:40:46	0	0.003	0	0.003	0	9E-04	0.00346204	0.002	0	0.095
08/02/95		0	0.003	0	0.003	0	9E-04	0.0035619	0.002	0	0.094
08/02/95	16:50:45	0	0.003	0	0.003	0	9E-04	0.0033596	0.002	0	0.091
	16:55:46	0	0.003	0	0.003	0	9E-04	0.00274869	0.002	0	0.088
	17:00:45	0	0.003	0	0.003	0	9E-04	0.00274515	0.002	0	0.083
08/02/95	17:05:45	0	0.003	0	0.003	0	9E-04	0.00294749	0.002	0	0.085
08/02/95	17:10:46	0.00447042	0.003	0.01137924	0.003	0	9E-04	0.00264064	0.002	0	0.084
08/02/95	17:19:54	0.00447042	0.003	0.01137924	0.004	0	0.001	0	0.002	0	0.085
08/02/95	17:32:18	0.00579033	0.003	0.01210130	0.005	0	0.001	0	0.002	0	0.209
Run 3	17.02.10	0.00303001	0.004	0.01109359	0.003		0.001		0.003		0.203
08/02/95	17:56:31	0.00274112	0.002	0	0.003	0	9E-04	0.00314721	0.002	0	0.078
08/02/95		0.00365549	0.002	0	0.003	0	9E-04	0.00324933	0.002	0	0.078
	18:06:32	0.00284316	0.003	0	0.003	- 0	9E-04	0.00314779	0.002	0	0.083
	18:11:32	0	0.003	0	0.003	0	9E-04	0.00314952	0.002	0	0.084
08/02/95	18:16:31	0	0.003	0	0.003	0	9E-04	0.00335078	0.002	0	0.081
08/02/95	18:21:31	0	0.003	0	0.003	0	0.001	0.00345241	0.002	0	0.08
08/02/95	18:26:37	_ 0	0.003	0	0.003	Ö	9E-04	0.00345114	0.002	0	0.079
08/02/95		0	0.002	0	0.003	0	9E-04	0.00324813	0.002	0	0.077
08/02/95		0	0.003	0	0.003	0	9E-04	0.00324813	0.002	0	0.08
	18:41:32	0	0.003	0	0.003	0	9E-04	0.00334964	0.002	0	0.082
08/02/95		0	0.003	0	0.003	0	9E-04	0.0034505	0.002	0	0.079
	18:51:31	0	0.003	0	0.003	0	9E-04	0.00365347	0.002	0	0.079
	18:56:32	0	0.003	0	0.004	0	0.001	0.0034505	0.002	0	0.076
	19:01:32	0	0.003	0	0.004	0	0.001	0.0034486		0	0.076
	19:06:31 19:11:31	0	0.003	0	0.003	0	9E-04	0.00344733	0.002	0	0.079
	19:11:31	0	0.003	0	0.003	0	9E-04	0.00334532	0.002	0	0.076
	19:16:32	0	0.003	0	0.003	0	0.001 9E-04	0.0037514 0.00354796	0.002	0	0.075
	19:26:32	0	0.002	0	0.003	0	8E-04	0.00334796	0.002	0	0.078
	19:31:33	0	0.002	0	0.003	0	8E-04	0.00334707	0.002	0	0.076
	19:36:32	0	0.002	0	0.003	0	9E-04	0.00314422	0.002	0	0.076
	19:41:32	- 0	0.002	ŏ	0.003	- 0	9E-04	0.00334646	0.002	0	0.077
	19:46:33	0	0.002	Ö	0.003	0	8E-04	0.00344542	0.002	0	0.076
	19:51:32	0	0.002	0	0.003		8E-04	0.00354479	0.002	. 0	0.078
	19:56:32	0	0.002	0	0.003	0	9E-04	0.00374459	0.002	0	0.074
	20:01:33	0.00273102	0.003	0	0.003	0	9E-04	0.00374251	0.002	ō	0.072
	20:06:33	0.00333606	0.003	0	0.003	0	9E-04	0.00394262	0.002	ō	0.073

Site: POT	W in very					-				<u></u>	
Downwind	data in pp	<u> </u>									
Date	Time	CL3F		CCL4		TCFM	-	CL2F2	1	HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/02/95	20:11:32	0.00373836	0.003	0	0.003	0	9E-04	0.0038394	0.002	0	0.072
08/02/95	20:16:33	0.00373628	0.003	0	0.003	0	0.001	0.00403923	0.002	0	0.071
	20:21:33	0.00383584	0.003	0	0.003	0	0.001	0.00393679	0.002	0	0.072
08/02/95		0.00413638	0.003	0	0.003	0	9E-04	0.0039346	0.002	0	0.069
	20:31:32	0.00433654	0.002	0	0.003	0	9E-04	0.00373144	0.002	0	0.071
	20:36:33	0.00473657	0.003	0	0.003	0	0.001	0.00403112	0.002	0	0.07
08/02/95 08/02/95	20:41:33	0.00493721	0.003	0.00342582 0.00362599	0.003	0	9E-04 9E-04	0.0037281 0.00372672	0.002	0	0.069
08/02/95		0.00523755 0.00543596	0.003	0.00382531	0.003	0	0.001	0.00372672	0.002	0	0.069
	20:56:33	0.00543398	0.003	0.00382331	0.004	0	0.001	0.00322071	0.002	0	0.069
08/02/95	21:01:33	0.00633842	0.003	0.00482928	0.004	0	0.001	0.00342074	0.002	0	0.068
08/02/95		0.00663676	0.003	0.00502785	0.004	0	0.001	0.00341894	0.002	0	0.068
08/02/95		0.00663306	0.003	0.00492455	0.004	0	0.001	0.00361803	0.002	0	0.068
08/02/95	21:16:34	0.00753757	0.004	0.00582906	0.004	0	0.001	0.00301503	0.002	0	0.068
08/02/95	21:21:33	0.00743454	0.003	0.00582707	0.004	0	0.001	0.00291354	0.002	0	0.067
08/02/95	21:26:33	0.00783495	0.004	0.00612733	0.004	0	0.001	0.00281255	0.002	0	0.068
08/02/95	-	0.0081363	0.004	0.00673002	0.005	0	0.001	0.00261165	0.003	0	0.066
08/02/95	21:36:33	0.00894154	0.003	0.00723361	0.004	0	0.001	0.00261214	0.002	0	0.065
08/02/95	21:41:33	0.01034423	0.003	0.00863693	0.004	0	0.001	0.00241031	0.002	0	0.065
08/02/95 08/02/95	21:46:34	0.00943861	0.004	0.00763122	0.004	0	0.001	0.00261068	0.002	0	0.066
	21:51:34	0.00943861 0.00953725	0.004	0.00783204	0.004	0	0.001	0	0.002	0	0.067
08/02/95		0.00933723	0.003	0.00732589	0.004	0	0.001	0.00270958	0.002	0	0.065
08/02/95		0.00932982	0.004	0.00762437	0.004	0	0.001	0.00270000	0.002	0	0.069
08/02/95	22:11:34	0.01063003	0.004	0.00862436	0.005	0	0.001	0	0.003	ō	0.072
08/02/95		0.01122963	0.004	0.00902381	0.005	0	0.001	0	0.003	0	0.066
08/02/95	22:21:35	0.01272886	0.005	0.01052386	0.007	0	0.002	0	0.004	0	0.066
08/02/95		0.01302469	0.006	0.01082051	0.007	0	0.002	0	0.004	.0	0.067
	22:31:35	0.01222317	0.004	0.01001899	0.005	0	0.002	. 0	0.003	0	0.067
08/02/95		0.01382363	0.006	0.01121918	0.008	0	0.002	0	0.004	0	0.067
08/02/95		0.01171567	0.004	0.00951272	0.005	0	0.001	0	0.003	0	0.066
08/02/95 08/02/95	22:46:34	0.01351808	0.004	0.0115154	0.005	0	0.001	0	0.003	0	0.067
08/02/95	22:56:35	0.01302026	0.003	0.01071832 0.01071668	0.004	0	0.002	0	0.003	0	0.068
08/02/95		0.01191855	. 0.003	0.00921434	0.003	0	9E-04	0	0.002	0	0.066
08/02/95		0.01271979	0.003	0.01031605	0.003	0	9E-04	. 0	0.002	0	0.067
	23:11:35	0.01271979	0.004	0.01081683	0.004	0	0.001	0	0.002	0	0.066
08/02/95	23:16:35	0.01381121	0.004	0.01180958	0.005	0	0.001	0	0.003	0	0.067
08/02/95	23:21:35	0.01601598	0.008	0.01411408	0.01	0	0.003	0	0.005	0	0.066
08/02/95		0.01510995	0.006	0.01300856	0.007	. 0	0.002	0	0.004	0	0.068
08/02/95		0.01340883	0.003	0.01050692	0.003	0	0.001	0	0.002	0	0.068
	23:36:35	0.012706	0.003	0.01000472		0	9E-04	0	0.002	0	0.07
08/02/95		0.01380137	0.003	0.01120111	0.003	0	0.001	0	0.002	0	0.069
08/02/95 08/02/95		0.01380137 0.01699851	0.004	0.01130112 0.0147987	0.005	0	0.001	0	0.003	0	0.069
08/02/95		0.0136988	0.008	0.0147987	0.009	0	0.003	0	0.005	0	0.069
	00:01:35	0.01319392	0.003	0.01079903	0.003	0	0.001	0	0.002	0	0.069
08/03/95		0.01319392	0.003	0.01169243	0.004	0	0.001	ő	0.002	0	0.069
08/03/95		0.01548708	0.006	0.01278933	0.007	0	0.002	0	0.004	ō	0.069
08/03/95		0.01668607	0.007	0.01368858	0.009	0	0.003	0	0.005	0	0.068
08/03/95	00:21:35	0.0154784	0.004	0.01248258	0.005	0	0.001	0	0.003	0	0.068
08/03/95	00:26:35	0.01428274	0.003	0.0110866	0.003	0	0.001	0	0.002	0	0.069
08/03/95		0.01847422	0.01	0.0159777	0.012	. 0	0.004	. 0	0.007	0	0.07
08/03/95		0.01717282	0.006	0.01387804	0.007	0	0.002	0	0.004	0	0.069
08/03/95		0.01577209	0.005	0.01257774	0.005	0	0.002	0	0.003	0	0.071
08/03/95		0.01507614	0.004	0.01178135	0.005		0.002	0	0.003	0	0.072
08/03/95	00:51:36	0.01567226	0.004	0.01237809 0.01257774	0.005	0	0.002	0	0.003	0	0.072
	01:01:37	0.01607156 0.01666738	0.004	0.01257774	0.005	0	0.002	0	0.003	0	0.073
08/03/95	·	0.01006738	0.006	0.01307441	0.007	0	0.002	- 0	0.004	0	0.07
08/03/95	•	0.0171632	0.006	0.01367068	0.007	0	0.002	0	0.004	0	0.071
08/03/95		0.01656138	0.004	0.01306952	0.005	0	0.002	0		0	0.071

	W in very :										
Downwind	data in pp							<u></u>			
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	l
		ppm	95% CI	_ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	01:21:38	0.01585708	0.004	0.01256599	0.005	0	0.001	0	0.003	0	0.071
08/03/95	01:26:38	0.0172533	0.006	0.01376275	0.008	0	0.002	0	0.004	0	0.072
08/03/95	01:31:38	0.01835033	0.008	0.01485978	0.01	0	0.003	0	0.005	0	0.072
08/03/95	01:36:39	0.01665492	0.004	0.01316437	0.005	0	0.001	00	0.003	0	0.071
08/03/95	01:41:39	0.01635267	0.003	0.01236421	0.004	0	0.001	0_	0.002	0	0.071
08/03/95	01:46:39	0.01565469	0.003	0.01146681	0.003	0	0.001	0	0.002	0	0.071
08/03/95	01:51:40	0.01645546	0.004	0.01286518	0.005	0	_0.001	0	0.003	0	0.071
08/03/95	01:56:40	0.0166518	0.004	0.01296248	0.005	0	0.001	0	0.003	0	0.071
08/03/95	02:01:40	0.01695411	0.004	0.01306464	0.005	0	0.002	0	0.003	0	0.072
08/03/95	02:06:41	0.01665492	0.004	0.01256599	0.005	0	0.002	0	0.003	0	0.073
08/03/95	02:11:41	0.01615022	0.004	0.01206282	0.005	0	0.001	0	0.003	0	0.073
08/03/95	02:16:41	0.01604152	0.003	0.01225532	0.004	0	0.001	0	0.002	0	0.073
08/03/95	02:21:40	0.01713752	0.005	0.01335133	0.006	0	0.002	0	0.003	0	0.074
08/03/95	02:26:40	0.01951784	0.008	0.01573377	0.01	0	0.003	0	0.005	0	0.075
08/03/95	02:31:41	0.01832287	0.006	0.01433964	0.007	0	0.002	0	0.004	0	0.074
08/03/95	02:36:41	0.02011909	0.01	0.01553752	0.013	0	0.004	0	0.007	Ö	0.075
08/03/95	02:41:41	0.01991243	0.012	0.01483476	0.015	0	0.004	0	0.008	0	0.075
08/03/95	02:46:42	0.01971331	0.008	0.01513345	0.01	0	0.003	0	0.006	0	0.074
08/03/95	02:51:42	0.0182267	0.005	0.01364513	0.006	0	0.002	0	0.003	ō	0.073
	02:56:42	0.01873522	0.005	0.01405142	0.006	0	0.002	0	0.003	ō	0.074
08/03/95	03:01:43	0.02103123	0.008	0.01744296	0.01	0	0.003	0	0.006	0	0.073
08/03/95	03:06:43	0.01764231	0.003	0.01305731	0.004	0	0.001	0	0.002	0	0.072
08/03/95	03:11:43	0.01754264	0.003	0.01325665	0.004	C	0.001	0	0.002	0	0.072
08/03/95	03:16:44	0.01714394	0.003	0.01285796	0.004	0	0.001	0	0.002	0	0.072
08/03/95	03:21:44	0.01943645	0.005	0.01554916	0.007	0	0.002	0	0.004	0	0.072
08/03/95	03:26:44	0.01853938	0.004	0.01455242	0.005	0	0.002	0	0.003	0	0.072
08/03/95	03:31:45	0.01813729	0.004	0.01395176	0.005	0	0.001	0	0.003	ō	0.072
08/03/95	03:36:45	0.01803363	0.004	0.0140483	0.004	0	0.001	0	0.002	0	0.072
08/03/95	03:41:45	0.0178377	0.003	0.01385162	0.004	0	0.001	0	0.002	0	0.072
	03:46:45	0.01764501	0.004	0.01375712	0.005	0	0.001	0	0.003	0	0.071
08/03/95	03:51:46	0.01844252	0.004	0.01415588	0.005	0	0.001	0	0.003	0	0.072
08/03/95	03:56:46	0.01863841	0.004	0.01455191	0.005	0	0.001	0	0.003	0	0.072
08/03/95	04:01:45	0.01834283	0.004	0.01405619	0.005	0	0.002	0	0.003	0	0.072
08/03/95	04:06:45	0.01844252	0.004	0.01415588	0.005	0	0.001	0	0.003	0	0.072
08/03/95	04:11:46	0.01804039	0:004	0.01365488	0.005	0	0.002	0	0.003	0	0.072
08/03/95	04:16:46	0.01814685	0.004	0.01356028	0.005		0.001	0	0.003	0	0.072
08/03/95	04:21:46	0.01884128	0.004	0.01445495	0.005	0	0.002	0	0.003	0	0.071
	04:26:47	0.01924724	0.004	-0.01485927	0.005	0	0.002	0	0.003	0	0.071
08/03/95	04:31:47	0.01934039	0.004	0.0150536	0.005	0	0.002	0	0.003	0	0.072
08/03/95	04:36:47	0.01974655	0.004	0.01535843	0.005	0	0.002	0	0.003	0	0.071
08/03/95	04:41:48	0.01953978	0.004	0.01545237	0.005	0	0.002	0	0.003	0	0.071
	04:46:48	0.01934697	0.004	0.01515845	0.005	0		0	0.003	0	0.07
	04:51:48	0.01974587	0.004	0.01565708	0.005	0	0.002	0	0.003	0	0.071
	04:56:49	0.02024829	0.005	0.01595925	0.006	0	0.002	0	0.003	0	0.071
	05:01:49	0.01904779	0.003	0.01475954	0.005	0	0.001	0	0.003	0	0.071
	05:06:48	0.01984188	0.005	0.01575386	0.006	0	0.002	0	0.003	0	0.071
	05:11:48	0.01953612	0.004	0.01375300	0.005	0	0.002	0	0.003	- 0	0.07
	05:16:49	0.02023005	0.005	0.01584521	0.006	0	0.002	0	0.003	0	0.07
	05:21:49	0.02023626	0.005	0.01554334	0.006		0.002	0	0.003	0	0.071
	05:26:49	0.02070893	0.005	0.01592994	0.006	0	0.002	0	0.003	0	0.071
	05:31:50	0.02070893	0.005	0.01582148	0.006	- 0	0.002	0	0.003	0	0.071
	05:36:50	0.02039778	0.007	0.01362148	0.008	- 0	0.002	0	0.005	0	0.071
	05:41:50	0.02169235	0.007	0.01751509	0.008		0.002	0	0.003	0	0.071
	05:46:51	0.02169235			 	0	0.002		0.004		·
	05:46:51		0.004	0.01612	0.005	0		0		0	0.072
		0.02368247	0.01	0.01890617	0.012	0	0.004	0	0.007	0	0.071
	05:56:50	0.02309409	0.008	0.01771874	0.009	0	0.003	. 0	0.005	0	0.072
	06:01:50	0.02667266	0.013	0.02249261	0.016	0	0.005	0	0.009	0	0.074
	06:06:51	0.02228938	0.004	0.0177121	0.005	0	0.001	0	0.003		0.074
	06:11:51	0.02247996	0.005	0.01750652	0.006	0	0.002	0	0.003	0	0.073
	06:16:51	0.022576	0.006	0.01770276	0.007	0	0.002	0	0.004	0	0.073
	06:21:52	0.02258446	0.007	0.01691348	0.008	0	0.002	0	0.004	0	0.076
100/03/95	06:26:52	0.02110001	0.004	0.015825	0.005	0	0.001		0.003	0	0.076

	W in very :										
Downwind	data in pp	•									
Date	Time	CL3F		CCL4		TCFM		CL2F2		нсс	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
	06:31:52	0.02070577	0.003	0.01542978	0.004	0	0.001	0	0.002	0	0.076
	06:36:53	0.02181304	0.003	0.01643448	0.004	0	0.001	0	0.002	0	0.076 0.075
	06:41:52	0.02191675	0.004	0.01673643	0.004	0	0.001	0	0.002	0	0.073
	06:46:52	0.02132301	0.004	0.01624136	0.005	0	0.001	0	0.003	0	0.074
	06:51:53 06:56:53	0.02212841	0.004	0.01714433	0.005	0	0.001	0	0.003	0	0.074
	07:01:52	0.02312931	0.004	0.02123926	0.005	0	0.001	Ö	0.003	0	0.071
	07:06:52	0.0244347	0.004	0.02134296	0.005	Ö	0.001	0	0.003	0	0.071
	07:11:53	0.02841341	0.008	0.02562192	0.009	0	0.003	0	0.005	0	0.071
	07:16:53	0.02800511	0.006	0.0267095	0.007	0	0.002	0	0.004	0	0.07
08/03/95	07:21:52	0.02721799	0.005	0.0260216	0.006	0	0.002	0	0.003	0	0.071
08/03/95	07:26:52	0.025129	0.005	0.0229352	0.006	0	0.002	0	0.003	0	0.071
08/03/95	07:31:53	0.02165578	0.004	0.01766393	0.005	0	0.002	0	0.003	0	0.07
	07:36:53	0.02205909	0.004	0.01806649	0.005	0	0.001	0	0.003	0	0.07
	07:41:52	0.02225872	0.004	0.01796668	0.004	0	0.001	0	0.002	0	0.07
	07:46:52	0.02177183	0.003	0.01727764	0.004	0	0.001	0	0.002	0	0.07
	07:51:53	0.02217131	0.004	0.01807661	0.004	0	0.001	0	0.002	0	0.069
	07:56:53	0.02217959	0.003	0.01808336	0.004	0	0.001	0	0.002		0.07
	08:01:52	0.02217959	0.003	0.01818327	0.004	0	0.001	0	0.002	<u> </u>	0.069
	08:06:52 08:11:53	0.02269182	0.004	0.01869326	0.004	0	0.001	0	0.002	0	0.069
	08:11:53	0.02249189 0.02149225	0.004	0.01849333	0.004	0	0.001	0	0.002	0	0.069
	08:21:51	0.02230028	0.004	0.01779339	0.005	0	0.001	0	0.003	0	0.068
	08:26:52	0.02181652	0.004	0.01821379	0.005	0	0.002	0	0.003	0	0.066
	08:31:52	0.02143217	0.004	0.01772661	0.005	0	0.001	0	0.003	0	0.067
	08:36:53	0.02195333	0.004	0.01804383	0.005	0	0.001	0	0.003	0	0.068
	08:41:51	0.02137569	0.004	0.01736147	0.005	0	0.002	ō	0.003	0	0.069
08/03/95	08:46:52	0.02199823	0.004	0.01808074	0.005	0	0.002	0	0.003	0	0.068
08/03/95	08:51:53	0.02180946	0.004	0.0180908	0.005	0	0.002	Ö	0.003	0	0.067
08/03/95	08:56:52	0.02253804	0.004	0.01881524	0.005	0	0.002	0	0.003	0	0.069
08/03/95	09:01:52	0.02083914	0.004	0.01711427	0.005	0	0.001	0	0.003	0	0.069
	09:06:52	0.02053015	0.004	0.01700782	0.005	0	0.001	0	0.003	0	0.068
	09:11:52	0.0197141	0.004	0.0162943	0.005	0	0.001	0	0.003	0	0.067
	09:16:52	0.02105281	0.004	0.01752722	0.005	0	0.001	0	0.003	0	0.066
	09:21:55	0.02108007	0.004	0.01825595	0.004	0	0.001		0.002	0	0.064
	09:26:51	0.02087835	0.004	0.01805422	0.005	0	0.001	0	0.003	0	0.064
	09:31:52	0.01948728	0.004	0.01676108	0.005	0	0.001	0	0.003	0	0.066
	09:36:52	0.0187071	0.004	0.01628023	0.005	0	0.001	0	0.003	<u> </u>	0.066
08/03/95	09:41:52	0.01811039	0.004	0.01598571	0.004	0	0.001	0	0.002	- 0	0.069
08/03/95 08/03/95	09:46:53 09:51:53	0.01759154 0.01726007	0.004	0.01577173 0.01534229	0.003	0	0.001	0	0.003	0	0.067
08/03/95	•	0.01728007	0.004	0.01334229	0.004		0.001	0	0.002	0	0.069
08/03/95		0.01628023	0.004	0.01475027	0.004	0	0.001	0	0.002	0	0.069
08/03/95		0.01637833	0.004	0.01425764	0.004	0	0.001	0	0.002	0	0.007
08/03/95		0.01637833	0.004	0.01445742	0.004	0	0.001	0	0.002	0	0.073
08/03/95		0.01597393	0.004	0.01405302	0.004	0	0.001	Ö	0.002	0	0.073
08/03/95		0.01597393	0.003	0.01405302	0.004	0	0.001	0	0.002	0	0.076
	10:26:54	0.01506402	0.003	0.01354751	0.004	0	0.001	0	0.002	0	0.079
	10:31:54	0.01364861	0.003	0.0125365	0.004	0	0.001	0	0.002	0	0.082
08/03/95		0.0117277	0.003	0.01061559	0.004	0	0.001	0	0.002	0	0.091
	10:45:57	0.00525724	0.003	0.01152549	0.003	0	0.001	0	0.002	O	0.088
08/03/95	10:51:58	0.00596495	0.004	0.0126376	0.005	0	0.001	0	0.003	0	0.218
Run 4											
08/03/95	• • • • • • • • • • • • • • • • • • • •	0	0.003	0	0.004	0	0.001	0.00253723	0.002	0	0.097
	11:16:32	0	0.003	0	0.004	0	0.001	0.00294481	0.002	0	· 0.1
	11:21:32	0	0.003	0	0.004	0	0.001	0.00324826	0.002	0	0.102
	11:26:32	0	0.003	0	0.004	0	0.001	0.00304468	0.002	0	0.102
	11:31:33	0	0.003	0	0.004	0	0.001	0.00315022	0.002	0	0.104
	11:36:33	0	0.003	0	0.004	0	0.001	0.00335407	0.002	1. 0	0.104
	11:41:33	0	0.003	0	0.004		0.001	0.00274575	0.002	0	0.101
	11:46:32	0	0.003	0	0.004	0.00111025	0.001	0.00305139	0.002	0	0.104
08/03/95	11:51:33	<u> </u>	0.003	0	0.004	0.00111925	0.001	0.00315426	0.002	0	0.104

Site: POT	W in very :		_						l		
	data in pp		·		<u> </u>				-	 -	
Date	Time	CL3F		CCL4		TCFM		CL2F2	 	HCC	
50,0		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI		95% CI
08/03/95	11:56:34	0	0.003	0	0.004	0.00132469	0.001	0.00315889	0.002	0	0.107
	12:01:33	0	0.003	0	0.003	0.00142842	0.001	0.00275481	0.002	0	0.104
08/03/95		0	0.003	0	0.003	0.00132518	0.001	0.00254842	0.002	0	0.107
08/03/95		0	0.003	0	0.004	0.00122391	0.001	0.00316178	0.002	0	0.106
08/03/95		0	0.003	0	0.004	0.00132397	0.001	0.00305531	0.002	0	0.107
08/03/95		0	0.003	0	0.004	0.00132663	0.001	0.00306146	0.002	0	0.11
08/03/95		0	0.003	0	0.004	0.00132708	0.001	0.00255208	0.002	0	0.107
08/03/95	12:31:34	0	0.003	0	0.003	0.00143204	0.001	0.00306865	0.002	0	0.124
08/03/95		0	0.003	0	0.004	0.00163662	0.001	0.00317094	0.002	0	0.111
08/03/95		0	0.003	0	0.004	0.00174112	0.001	0.00348225	0.002	0	0.113
08/03/95	12:46:35	0	0.003	0	0.004	0.00153265	0.001	0.00296312	0.002	0	0.115
08/03/95	•	0	0.003	0	0.004	0.00173641	0.001	0.00357497	0.002	0	0.109
08/03/95	12:56:34	0	0.003	0	0.003	0.00184186	0.001	0.00347908	0.002	0	0.112
08/03/95	13:01:35	0	0.003	0	0.004	0.00173986	0.001	0.00347971	0.002	0	0.11
08/03/95	13:06:35	0	0.003	0	0.004	0.00194627	0.001	0.0037901	0.002	0	0.114
08/03/95	13:11:34	0	0.003	0	0.004	0.0020487	0.001	0.00389254	0.002	0	0.117
08/03/95	13:16:34	0	0.003	0	0.003	0.0020502	0.001	0.00338282	0.002	0	0.115
08/03/95		0	0.003	0	0.004	0.00194556	0.001	0.00337913	0.002	0	0.117
08/03/95	13:26:34	0	0.003	0	0.004	0.00205169	0.001	0.00359046	0.002	0	0.118
08/03/95	13:31:34	0	0.003	0	0.004	0.00215501	0.001	0.00348906	0.002	0	0.117
08/03/95	13:36:35	Ö	0.003	0	0.004	0.00215461	0.001	0.00348842	0.002	0	0.121
08/03/95		0	0.003	_ 0	0.004	0.00205127	0.001	0.00348715	0.002	_ 0	0.119
08/03/95	13:46:35	0	0.003	0	0.004	0.00225968	0.001	0.0032868	0.002	0	0.119
08/03/95	13:51:36	0	0.003	_ 0	0.004	0.0022605	0.001	0.0034935	0.002	0	0.12
08/03/95	13:56:35	0	0.003	0	0.004	0.00215887	0.001	0.00339252	0.002	0	0.122
08/03/95	14:01:35	0	0.003	0	0.004	0.00216005	0.001	0.00339437	0.002	_ 0	0.121
08/03/95	14:06:36	0	0.003	0	0.004	0.00236534	0.001	0.00318807	0.002	0	0.123
	14:11:36	0	0.003	0	0.004	0.00236362	0.001	0.00328852	0.002	0	0.123
08/03/95		0	0.003	0	0.004	0.00256776	0.001	0.00349215	0.002	0	0.122
08/03/95	14:21:37	0	0.003	0	0.004	0.0024646	0.001	0.00390228	0.002	0	0.125
08/03/95		0	0.003	0	0.004	0.00266998	0.001	0.00390228	0.002	0	0.122
1	14:31:37	0	0.003	0	0.004	0.00287843	0.001	0.00359804	0.002	0	0.119
08/03/95	14:36:37	0	0.004	0	0.004	0.0025733	0.001	0.00432314	0.002	0	0.122
	14:41:36	0	0.003	0	0.004	0.00247216	0.001	0.00391425	0.002	0	0.126
08/03/95		0	0.003	0	0.004	0.00236786	0.001	0.00391212	0.002	0	0.126
	14:51:37	0	0.003	0	0.004	0.00216588	0.001	0.00391922	0.002	0	0.125
08/03/95	14:56:36	0	0.003	0	0.004	0.00216584	0.001	0.003816	0.002	0	0.127
08/03/95		0	0.003	0	0.004	0.0020627	0.001-	0.00391913	0.002	0	0.129
08/03/95		0	0.003	0	0.004	0.00257698	0.001	0.00381392	0.002	0	0.127
	15:11:36	0	0.003	0	0.004	0.00267325	0.001	0.00400988	0.002	0	0.131
08/03/95	15:16:36	0	0.003	0	0.004	0.00256863	0.001	0.00390432	0.002	0	0.129
	15:21:37	0		0		0.00298658	0.001	0.00453137	0.002	0	0.129
	15:26:36	0	0.003	0	0.004	0.00318908	0.001	0.00473218	0.002	0	0.132
	15:31:36	0	0.003	0	0.004	0.00329076	0.001	0.00473046	0.002	0	0.134
	15:36:37	0	0.004	0	0.005	0.00329972	0.001	0.00391842	0.003	0	0.131
	15:41:38	0	0.004	0	0.004	0.00329845	0.001	0.00474153	0.002	0	0.124
	15:46:36	0	0.004	0	0.004	0.00340153	0.001	0.00371076	0.002	0	0.117
	15:51:37	0	0.003	0	0.004	0.00339598	0.001	0.00421925	0.002	0	0.12
	15:56:36	0	0.003	0	0.004	0.00339166	0.001	0.00431666	0.002	0	0.122
	16:01:37	0	0.003	0	0.004	0.00319074	0.001	0.00411709	0.002	0	0.123
	16:06:37	0	0.004	0	0.004	0.00329726	0.001	0.00412157	0.002	0	0.123
	16:11:36	0	0.003	0	0.004	0.0036063	0.001	0.00484274	0.002	0	0.121
	16:16:37	0	0.003	0	0.004	0.00370597	0.001	0.00494129	0.002	0	0.121
	16:21:37	0	0.003	0	0.004	0.00339598	0.001	0.00504252	0.002	0	0.127
	16:26:36	0	0.003	0	0.004	0.00330077	0.001	0.00484801	0.002	0	0.126
	16:31:37	0	0.003	0	0.004	0.00350834	0.001	0.00443702	0.002	0	0.119
	16:36:37	0	0.003	0	0.004	0.00371741	0.001	0.00475002	0.002	0	0.12
	16:41:38	0	0.003	0	0.004	0.00361415	0.001	0.00444024	0.002	0	0.118
	16:46:38	0	0.003	0	0.004	0.00350771	0.001	0.00453939	0.002	0	0.118
	16:51:37	0	0.003	0	0.004	0.00330077	0.001	0.00412597	0.002	0	0.115
	16:56:38	0	0.003	0	0.004	0.00350707	0.001	0.00412597	0.002	0	0.116
08/03/95	17:01:38	0	0.003	0	0.004	0.00360564	0.001	0.00463583	0.002	0	0.121

Site: POT	W in very								1	Γ .	
Downwind	data in op										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
Run 5											
08/03/95	18:14:14	0	0.003	0	0.003	0	9E-04	0	0.002	0	0.093
	18:19:14	0	0.003	0	0.003	0	9E-04_	0	0.002	0	0.096
08/03/95	18:24:15	0	0.003	0	0.003	0	9E-04	0	0.002	0	0.098
08/03/95 08/03/95	18:29:14	0	0.003	0	0.003	0.00174778	9E-04	0	0.002	0	0.091
	18:34:14 18:39:15	0	0.003	0	0.003	0.00174714 0.00164497	9E-04 9E-04	0	0.002	0	0.09
08/03/95		0	0.003	0	0.003	0.00164497	9E-04	0	0.002	0	0.089
	18:49:15	0	0.003	0	0.003	0.00123307	9E-04	0	0.002	0	0.095
	18:54:16	0	0.003	Ö	0.003	0.00113194	9E-04	0	0.002	ō	0.093
	18:59:16	0	0.003	0	0.003	0.00113174	9E-04	0	0.002	0	0.091
08/03/95		0	0.003	0	0.003	0.0012344	9E-04	0	0.002	0	0.094
	19:09:17	0	0.003	0	0.003	0.00133702	9E-04	0	0.002	0	0.093
08/03/95	19:14:16	0	0.003	0	0.003	0.00133653	9E-04	0	0.002	0	0.091
	19:19:17	0	0.003	0	0.003	0.0014383	9E-04	0	0.002	0	0.09
	19:24:18	0	0.003	0	0.003	0.00143755	9E-04	0	0.002	0	0.093
	19:29:18	0	0.003	0	0.003	0.00143676	9E-04_	0	0.002	0	0.09
08/03/95		0	0.003	0	0.003	0.00143545	9E-04	0	0.002	0	0.088
	19:39:17	0	0.003	0	0.003	0.00153686	9E-04	0	0.002	0	0.09
	19:44:18	0	0.003	0	0.003	0.00143362	9E-04	0	0.002	0	0.086
	19:49:17 19:54:17	0	0.003	0	0.003	0.00143257 0.00143126	9E-04_ 9E-04	0	0.002	0	0.086
	19:59:18	0	0.003	0	0.003	0.00143126	9E-04	0	0.002	0	0.084
	20:04:18	0	0.002	0	0.003	0.00132806	8E-04	0	0.002	0	0.079
	20:09:18	Ö	0.002	0	0.003	0.00122388	8E-04	ō	0.002	0	0.076
	20:14:18	0	0.002	. 0	0.003	0.00112107	8E-04	0	0.002	0	0.075
	20:19:19	0	0.002	0	0.003	0.00112025	8E-04	0.00162945	0.002	ō	0.073
08/03/95	20:24:18	0	0.002	0	0.003	0.00101747	8E-04	0.00152621	0.002	0	0.07
08/03/95	20:29:18	0	0.002	0	0.003	0.00101691	8E-04	0.00152537	0.002	0	0.07
	20:34:19	0	0.002	. 0	0.003	0.00081263	8E-04	0	0.002	0	0.068
08/03/95		0	0.002	0	0.003	0	8E-04	0	0.002	0	0.066
	20:44:19	0	0.002	0	0.003	0	8E-04	0	0.002	0	0.064
	20:49:19	0	0.002	0	0.003	0	8E-04	0	0.002	0	0.063
<u> </u>	20:54:20	0	0.002	0	0.003	0	8E-04	0	0.002	0	0.062
	20:59:19	0	0.002	0	0.003	0	8E-04	0	0.002	0	0.06
08/03/95	21:04:19	0.00232686	0.002	. 0	0.003	0	8E-04	0	0.002	0	0.06
08/03/95		0.00252966	0.002	. 0	0.003	0	8E-04	0	0.002	0	0.06
	21:19:19	0.00232300	0.002	0	0.003	0	8E-04	. 0	0.002	0	0.058
	21:24:19	0.00283426	0.002	0	0.003	0	8E-04	0	0.002	0	0.06
08/03/95		0.00303839	0.002	0	0.003	0	8E-04	ō	0.002	ō	0.059
		0.00303503	0.002	0	0.003	0	8E-04	0	0.002	0	0.059
08/03/95		0.00332876	0.002	0	0.003	0	8E-04	0	0.002	0	0.059
08/03/95		0.00353312	0.002	0	0.003	0	8E-04	0	0.002	0	0.058
08/03/95		0.00484632	0.002	0.00302895	0.003	0	8E-04	0	0.002	0	0.059
08/03/95		0.00554896	0.002	0.00373294	0.003	0	9E-04	. 0	0.002	0	0.058
08/03/95		0.00524338	0.002	0.00342836	0.003	0	8E-04_	0	0.002	0	0.057
08/03/95		0.00563852	0.002	0.00382614	0.003	0	8E-04_	0	0.002	. 0	0.057
08/03/95		0.00593617	0.002	0.0038233	0.003	0	8E-04	0	0.002	0	0.058
08/03/95		0.00704836	0.002	0.00503454	0.003	0	9E-04	0	0.002	0	0.058
08/03/95 08/03/95		0.00654612	0.002	0.00453193	0.003	0	8E-04 9E-04	0	0.002	0	0.057
08/03/95		0.00884929	0.003	0.0053641	0.003	0	9E-04 9E-04	0	0.002	0	0.059
08/03/95		0.00803709	0.003	0.00573601	0.003	0	9E-04	0	0.002	0	0.062
08/03/95		0.00913738	0.003	0.00542503	0.003	0	9E-04	0	0.002	0	0.062
	22:44:21	0.00913738	0.003	0.00072732	0.003	0	9E-04	. 0	0.002	0	0.06
	22:49:22	0.00983476	0.003	0.00732589	0.003	0	9E-04	0	0.002	0	0.063
08/03/95		0.01134852	0.003	0.00833564	0.003	0	9E-04	0	0.002	ō	0.064
08/03/95		0.01045049	0.003	0.00743592	0.003	0	9E-04	0	0.002	0	0.065
08/03/95		0.01095088	0.003	0.00793688	0.003	0	9E-04	0	0.002	0	0.063
08/03/95		0.01144044	0.003	0.0084298	0.003	0	9E-04	0	0.002	0	0.067
08/03/95	23:14:23	0.01043495	0.003	0.00732453	0.003	0	9E-04	0	0.002	0	0.067

Site: POT	W in very :										
Downwind	data in pp										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/03/95	23:19:23	0.01023461	0.003	0.00732477	0.003	0	9E-04	0	0.002	0	0.066
08/03/95	23:24:24	0.01113559	0.003	0.00832661	0.003	0	9E-04	0	0.002	0	0.065
08/03/95	23:29:24	0.01253307	0.003	0.00902381	0.003	0	0.001	0	0.002	0	0.066
08/03/95	23:34:24	0.01272886	0.003	0.00912068	0.003	0	0.001	0	0.002	0	0.069
08/03/95	23:39:24	0.01182682	0.003	0.00841909	0.003	0	0.001	0	0.002	0	0.07
08/03/95	23:44:25	0.01222089	0.003	0.00901541	0.003	0	0.001	0	0.002	0	0.068
08/03/95	23:49:24	0.0131151	0.003	0.00961106	0.003	0	0.001	0	0.002	0	0.068
08/03/95	23:54:25	0.01301498	0.003	0.00961106	0.003	0	0.001	0	0.002	0	0.068
08/03/95	23:59:24	0.01322261	0.003	0.00971661	0.003	0	0.001	0	0.002	0	0.068
08/04/95	00:04:24	0.01341544	0.003	0.00981129	0.003	0	0.001	0	0.002	0	0.067
08/04/95	00:09:25	0.01453025	0.003	0.01032148	0.004	0	0.001	0	0.002	0	0.07
08/04/95	00:14:25	0.01484192	0.003	0.01083059	0.004	0	0.001	0	0.002	0	0.073
08/04/95	00:19:24	0.01494499	0.003	0.01103321	0.004	0	0.001	0	0.002	0	0.073
<u> </u>	00:24:24	0.01542925	0.003	0.01112108	0.004	0	0.001	0	0.002	0	0.074
	00:29:25	0.01522603	0.003	0.01101884	0.004	0	0.001	0	0.002	0	0.073
08/04/95	-	0.01450588	0.003	0.01020414	0.004	0	0.001	0	0.002	0	0.073
·	00:39:24	0.01470596	0.003	0.01040422	0.004	0	0.001	Ô	0.002	0	0.073
08/04/95	00:44:24	0.01520617	0.003	0.01090442	0.004	0	0.001	0	0.002	0	0.073
08/04/95	00:49:25	0.01569758	0.003	0.01129826	0.004	0	0.001	0	0.002	0	0.072
	00:54:25	0.01578281	0.003	0.0113876	0.004		0.001	0	0.002	0	0.071
08/04/95	00:59:25	0.01619145	0.003	0.01149393	0.004	0	0.001	0	0.002	0	0.071
08/04/95	01:04:24	0.01598857	0.003	0.01149178	0.004	0	0.001	0	0.002	0	0.071
	01:09:24	0.01609751	0.003	0.01169819	0.004	0	0.001	.0	0.002	Û	0.072
1	01:14:25	0.01640053	0.003	0.01200039	0.004	0	0.001	ō	0.002	0	0.072
	01:19:25	0.01620052	0.003	0.01200039	0.004	0	0.001	0	0.002	0	0.073
	01:24:24	0.01650361	0.003	0.01210265	0.004	0	0.001	0	0.002	ō	0.075
	01:29:24		0.003	0.01228432	0.004	0	0.001	0	0.002	0	0.076
08/04/95	01:34:25	0.01679427		0.0122958	0.004	0	0.001	0	0.002	0	0.075
08/04/95	01:39:25	0.01719734	0.003	0.01279802	0.004	0	0.001	0	0.002	0	0.074
	01:44:23	0 0174875	0.003	0.01289078	0.004	0	0.001	0	0.002	0	0.074
	01:49:24	0.01748691	0.003	0.01319013	0.004	- 0	0.001	0	0.002	Ö	0.077
	01:54:24		0.003	0.01289517	0.004		0.001	0	0.002	ō	0.074
08/04/95	01:59:24	0.01750652	0.003	0.01270473	0.004		0.001	0	0.002	0	0.075
	02:04:23	0.01760656	0.003	0.01310488	0.004	<u> </u>	0.001	ö	0.002	0	0.074
	02:09:24		0.003	0.01320738	0.004	0	0.001	ő	0.002	0	0.074
08/04/95	02:14:24	0.01750652	0.003	0.01300484	0.004		0.001	ō	0.002	0	0.074
08/04/95	02:19:25	0.01720319	0.003	0.01300404	0.004		0.001		0.002	0	0.074
	02:24:24		•	-0.01149784	0.004	0	0.001	0-	0.002	0	0.074
	02:29:24	0.01579408	0.003	0.01129577	0.004	0	0.001	0	0.002	0	0.074
08/04/95	02:34:25	0.01580293	0.003	0.01140212	0.004		0.001	0	0.002	0	0.074
08/04/95	02:34:25	0.01589701	0.003	0.01140212	0.004	0	0.001	0	0.002	0	0.074
		0.01589701									0.074
		0 01638467		0.01168906	0.004		-	0	0.002	0	0.073
		0.01658138	0.003	0.01198654	0.004		0.001	0	0.002	0	0.073
		0.01698093		0.0122862	0.004	0	0.001		0.002	0	0.074
		0 01727414		0.0122862	0.004	0	0.001	0	0.002	0	0.074
		0.01767354				0					0.074
	03:14:25			0.01238146	0.004		0.001	0	0.002	0	0.074
	03:14:25					0	0.001				
				0.01247898	0.004	0	0.001	0	0.002	0	0.075
	03:24:24	0.01717107	0.003	0.01207965	0.004	0	0.001	0	0.002	0	0.075
			·	0.01237915	0.004	0	0.001	0	0.002	0	0.074
	03:34:24		0.003	0.01277608	0.004	0	0.001	0	0.002	0	0.077
00/04/95	03.39:24	0.01795628	0.003	0.01286867	0.004		0.001	0	0.002	0	0.076
	03:44:24		0.003	0.0128518	0.004	0	0.001	0	0.002	0	0.075
	03:49:23		0.003		0.004	0	0.001	0	0.002	0	0.076
	03:54:25	0.0186441	0.003	0.01335995	0.004	0	0.001	0	0.002	0	0.077
	03:59:25	0.01873678	0.003	0.01355427	0.004	0	0.001	0	0.002	0	0.076
	04:04:24	0.01873327	0.003	0.01375102	0.004	0	0.001	0	0.002	0	0.077
	04:09:24	0.01903577	0.003	0.01365393	0.004	0	0.001	0	0.002	0	0.078
	04:14:25	0.01942715	0.003	0.01384807	0.004	0	0.001	0	0.002	0	0.078
	04:19:25	0.02001364	0.003	0.01473641	0.004	0	0.001	0	0.002	0	0.079
108/04/95	04:24:24	0.01971193	0.003	0.01453506	0.004	0	0.001	0	0.002	0	0.08

Site: POT	W in very	!		_	<u> </u>					Ī	
	data in pp										
Date	Time	CL3F		CCL4		TCFM		CL2F2		HCC	
		ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI	ppm	95% CI
08/04/95	04:29:24	0.0199073	0.003	0.01443279	0.004	0	0.001	0	0.002	0	0.079
08/04/95	04:34:25	0.0205115	0.003	0.01483598	0.004	0	0.001	0	0.002	0	0.077
08/04/95	04:39:25	0.02070748	0.003	0.01513239	0.004	0	0.001	0	0.002	0	0.078
08/04/95	04:44:24	0.0208063	0.003	0.01493275	0.004	0	0.001	0	0.002	0	0.079
08/04/95	04:49:24	0.02098965	0.004	0.01521998	0.004	0	0.001	0	0.002	0	0.08
08/04/95	04:54:24	0.02138354	0.004	0.01561496	0.004	0	0.001	0	0.002	0	0.08
	04:59:25	0.0221792	0.004	0.01690791	0.004	0	0.001	0	0.002	0	0.079
08/04/95	05:04:24	0.02249024	0.004	0.01691744	0.004	0	0.001	0	0.002	0	0.079
08/04/95	05:09:24	0.02229121	0.004	0.01661889	0.004	0	0.001	0	0.002	0	0.078
08/04/95	05:14:25	0.02228363	0.004	0.01621532	0.004	0	0.001	0	0.002	0	0.078
08/04/95	05:19:25	0.02339026	0.004	0.01831407	0.005	0	0.001	0	0.002	0	0.078
	05:24:24	0.02408699	0.004	0.01950847	0.005	٥	0.001	0	0.003	٥	0.078
08/04/95	05:29:24	0.02287971	0.004	0.01720952	0.004	0	0.001	0	0.002	0	0.08
08/04/95	05:34:24	0.02287193	0.004	0.01660701	0.004	0	0.001	0	0.002	0	0.08
08/04/95	05:39:25	0.02327844	0.004	0,01711065	0.004	0	0.001	0	0.002	0	0.08
	05:44:25	0.02348621	0.004	0.0173161	0.005	0	0.001	0	0.002	0	0.081
08/04/95	05:49:24	0.0236808	0.004	0.01761135	0.005	0	0.001	0	0.002	0	0.081
08/04/95		0.02396665	0.004	0.01799985	0.005	0	0.001	0	0.003	0	0.08
08/04/95	05:59:25	0.02396665	0.004	0.01829819	0.005		0.001	0	0.003	0	0.08
	06:04:24	0.02386273	0.004	0.01819533	0.005	0	0.001	0	0.003	0	0.08
08/04/95	06:09:24	0.02394416	0.004	0.01838037	0.005	0	0.001	0	0.003	0	0.079
	06:14:24	0.02423312	0.004	0.01837347	0.005	0	0.001	0	0.003	0	0.079
08/04/95	06:19:25	0.02473434	0.004	0.01907227	0.005	0	0.001	0	0.003	0	0.079
08/04/95	06:24:25	0.02513168	0.004	0.0194696	0.005	0	0.001	0	0.003	0	0.079
08/04/95	06:29:24	0.02481968	0.004	0.01926007	0.005	0	0.001	0	0.003	0	0.08
	06:34:24	0.02423767	0.004	0.01877426	0.005	0	0.001	0	0.003	0	0.08
08/04/95	06:39:25	0.02486634	0.004	0.01929628	0.005	0	0.001	0	0.003	0	0.079
	06:44:24	0.02477617	0.004	0.01900501	0.005	0	0.001	0	0.003	0	0.078
08/04/95	06:49:24	0.02578086	0.004	0.02020662	0.005	-0	0.001	0	0.003	0	0.078
08/04/95	06:54:24	0.02590951	0.004	0,02072761	0.005	0	0.001	0	0.003	0	0.078
	06:59:25	0.02554435	0.004	0.01995652	0.005	0	0.001	0	0.003	0	0.078
08/04/95	07:04:25	0.02567771	0.004	0.01978282	0.005	0	0.001	0	0.003	0	0.078
	07:09:24	0.02471166	0.004	0.01830864	0.005	0	0.001	0	0.003	0	0.078
08/04/95	07:14:24	0.024234	0.004	0.01722416	0.005	0	0.001	0	0.003	0	0.078
	07:19:25	0.02452528	0.004	0.01761816	0.005	0	0.001	0	0.003	0	0.078
	07:24:25	0.02433867	0.004	0.01742769	0.004		0.001	0	0.002	0	0.077
	07:29:24	0.02495356	0.004	0.01773807	0.005	0	0.001	0	0.002	0	0.078
	07:34:24	0.02465831	0.004	0.01744124	0.004	0	0.001	0	0.002	0	0.077
	07:39:25	0.02426639	0.004	0.01724718	0.004	0	0.001	0	0.002	0	0.076
	07:44:24	0.02419308	0.004	0.01716604	0.004	. 0	0.001	0	0.002	0	0.076
08/04/95		0.02411507	0.004	0.01738295	0.004	0	0.001	0	0.002	0	0.078
	07:54:24					0	0.001	0	0.002	0	
08/04/95		0.0233509	0.004	0.01721122		0	0.001	0	0.002	0	0.079
08/04/95		0.02253734	0.004	0.01650056	0.004	0	0.001	0	0.002	0	0.078
08/04/95		0.02283495	0.004	0.01710106	0.004	0_	0.001	0	0.002	0	0.08
08/04/95		0.02243673	0.004	0.01680239	0.004	0	0.001	0	0.002	0	0.079
08/04/95		0.02265054	0.004	0.01701307	0.004	0	0.001	0	0.002	0	0.077
08/04/95		0.02125691	0.003	0.01611898	0.004	0	0.001	0	0.002	Ö	0.072
08/04/95	08:29:26	0.02076471	0.003	0.01572473	0.004	0	0.001	0	0.002	0	0.073
08/04/95	08:34:26	0.02047745	0.003	0,01593812	0.004	0	0.001	0	0.002	0	0.075
08/04/95	08:39:27	0.02018602	0.003	0.01554323	0.004	0	0.001	0	0.002	Ö	0.075
08/04/95	08:44:27	0.01999892	0.003	0.01595874	0.004	0	0.001	0	0.002	0	0.075

APPENDIX C

COMPLETE RESULTS OF OFF-SITE ANALYSIS OF CANISTER SAMPLES

- C1 Beef Processing Plant in Southwest U.S.
- C2 Beef Processing Plant in Midwest U.S.
- C3 Chicken Processing Plant in Southeast U.S.
- C4 POTW for Small Town in Southwest U.S.
- C5 POTW for Very Small Town in Southwest U.S.

Note: Data are given by field site. Results are shown both by sample ID and sorted by sampling location.

Project: EPA Greenhouse Gas

Site: Beef Processing Plant in Southwestern U.S.

Sample Identification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmv)	Carbon Dioxide (ppmv)	Sulfur Hexaftuoride (ppbv)
A 036	8/23/95	upwind	0.130	2.0	360	NM
A 037	8/23/95	beam path	0.041	26	380	< 19
A 038	8/23/95	upwind	0.140	2.0	370	NM ·
A 041	8/23/95	beam path	0.048	18	370	< 20
A 042	8/24/95	vert.disp.	0.072	58	620	< 18
A 043	8/24/95	verLdisp.	0.061	61	630	<23
A 044	8/24/95	vert.disp.	9.075	58	700	<24
A 045	8/24/95	beam path	0.020	240	920	<23
A 046	8/24/95	upwind	0.022	5.6	740	NM
A 052	8/24/95	beam path	0.037	63	760	< 19

NM = Not measured

			Total			
	١ ـ .	<u> </u>	Non-methane		Carbon	Sulfur
Sample	Date	Sample	Hydrocarbon	Methane	Dioxide	Hexaffuoride
Identification	Sampled	Point	(ppmv)	(ppmv)	(ppmv)	(ppbv)
A 036	8/23/95	upwind	0.13	2.0	360	NM
A 038	8/23/95	upwind	0.14	2.0	370	NM
A 046	8/24/95	upwind	0.022	5.6	740	NM
		n	3	3	3	n/a
		Avg	0.097	3.20	490	D/a
		Std. Dev.	0.065	2.08	217	n/a
		Min	0.022	2.0	360	n/a
		Max	0.140	5.6	740	n/a
					. ———	
A 037	8/23/95	beam path	0.041	26	380	< 19
A 041	8/23/95	beam path	0.048	18	370	< 20
A 045	8/24/95	beam path	0.020	240	920	< 23
A 052	8/24/95	beam path	0.037	63	760	< 19
A 042	8/24/95	vert.disp.	0.072	58	620	< 18
A 043	8/24/95	vert.disp.	0.061	61	630	< 23
A 044	8/24/95	vert.disp.	0.075	58	700	< 24

NM = Not measured

n/a = Not applicable

Project: EPA Greenhouse Gas

Site: Beef Processing Plant in Midwestern U.S.

			Total			
	_	٠ .	Non-methane		Carbon	Sulfur
Sample	Date	Sample	Hydrocarbon	Methane	Dioxide	Hexafluoride
Identification	Sampled_	Point	(ppmv)	(ppmv)	(ppcav)	(ppbv)
A 059	8/30/95	upwind	0.037	4.0	640	NM
A 060	8/30/95	beam path	0.027	67	600	< 24
A 064	8/30/95	upwind	< 0.031	2.8	510	NM
A 065	8/30/95	beam path	0.064	58	570	30
A 066	8/30/95	upwind	0.098	3.4	620	NM
A 067	8/30/95	beam path	0.029	140	680	38
A 068	8/31/95	upwind	140	4.8	640	NM
A 072	8/31/95	beam path	< 0.026	66	730	NM
A 073	8/31/95	upwind	< 0.024	4.0	630	NM
A 074	· 8/31/95	beam path	< 0.024	57	67	NM
A 075	9/01/95	upwind	< 0.021	4.7	680	. NM
A 076	9/01/95	beam path	0.056	120	700	<24

NM = Not measured

			Total Non-methane		Carbon	Sulfor
Sample	Date	Sample	Hydrocarbon	Methane	Dioxide	Hexafluoride
Identification	Sampled	Point	(ppmv)	(ppmv)	(ppmv)	(ppbv)
- Marian Canal Canal	- Sampico	1. 1000	<u> </u>	(грант)	(ppart)	I. (PPV-7
A 059	8/30/95	upwind	0.037	4.0	640	NM
A 064	8/30/95	upwind	0.031	2.8	510	NM
A 066	8/30/95	upwind	0.098	3.4	620	NM
A 068	8/31/95	upwind	140	4.8	640	NM
A 073	8/31/95	upwind	0.024	4.0	630	NM
A 075	9/01/95	upwind	0.021	4.7	680	NM
		n	6	6	6	n/a
		Avg.	23.4	3.95	620	12/2
		Std. Dev.	57.1	0.764	57.6	10/2
		Min	0.021	2.8	510	n/a
		Max	140	4.8	680	n/a
A 060	8/30/95	beam path	0.027	67	600	< 24
A 065	8/30/95	beam path	0.064	58	570	30
A 067	8/30/95	beam path	0.029	140	680	38
A 072	8/31/95	beam path	< 0.026	66	730	NM
A 074	8/31/95	bearn path	< 0.024	57	67	NM
A 076	9/01/95	beam path	0.056	120	700	< 24

NM = Not measured

n/a = Not applicable

oject: EPA Greenhouse Gas

e: Chicken Processing Plant in Southeastern U.S.

Sample dentification	Date Sampled.	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmv)	Carbon Dioxide (ppmv)	Sulfur Hexafluoride (ppbv)
A 082	9/06/95	upwind	< 0.019	2.0	51	< 25
A 083	9/06/95	beam path	< 0.018	3.1	640	< 24
A 087	9/07/95	upwind	0.036	2.7	470	< 20
A 088	9/07/95	beam path	< 0.010	5.8	530	< 21

Sample dentification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmrv)	Carbon Dioxide (ppmv)	Sulfur Hexafluoride (ppbv)
A 082	9/06/95	upwind	0.019	2.0	51	25
A 087	9/07/95	upwind	0.036	2.7	470	20
		n	2	2	2	2
		Avg	0.028	2.35	261	22.5
		Std. Dev.	0.012	0.495	296	3.54
	•	Min	0.019	2.0	51	20 .
		. Max	0.036	2.7	470	25
A 083	9/06/95	beam path	< 0.018	3.1	640	< 24
A 088	9/07/95	beam path	< 0.010	5.8	530	<21

a = Not applicable

Project: EPA Greenhouse Gas

Site: POTW for Small Town in Southwestern U.S.

Sample Identification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmv)	Carbon Dioxide (ppunv)	Sulfur Hexafluoride (ppbv)
A 095	10/04/95	upwind	0.078	2.0	360	< 21
A 096	10/04/95	beam path	0.190	2.2	420	< 29
A 099	10/04/95	upwind	0.036	2.1	350	< 22
A 100	10/04/95	beam path	0.072	2.1	370	. <22
A 104	10/05/95	upwind	0.027	2.0	350	< 14
A 105	10/05/95	beam path	< 0.019	1.9	. 350	< 19
A 106	10/06/95	upwind	0.022	1.9	360	< 19
A 111	10/06/95	beam path	0.018	1.8	360	< 16
A 112	10/06/95	upwind	< 0.022	2.1	350	< 17

Sample Identification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppurv)	Carbon Dioxide (ppmv)	Sulfur Hexafluoride (ppbv)
A 095	10/04/95	upwind	0.078	2.0	360	21
A 099	10/04/95	upwind	0.036	2.1	350	22
A 104	10/05/95	upwind	0.027	2.0	350	14
A 106	10/06/95	upwind	0.022	1.9	360	19
A 112	_10/06/95	upwind	0.022	2.1	350	17
•		n	5	5	5	5
		Avg.	0.037	2.02	354	18.6
		Std. Dev.	0.024	0.08	5.48	3.21
	•	Min	0.022	1.9	350	. 14
	·	Max	0.078	2.1	360	22
A 096	10/04/95		0.190	2.2	420	< 29
A 100	10/04/95	beam path	0.190 0.072	2.2	420 370	< 22
A 105	10/04/95	beam path				
		beam path	< 0.019	1.9	350	< 19
A 111	10/06/95	beam path	0.018	1.8	360	< 16
-		-				

Project: EPA Greenhouse Gas

Site: POTW for Very Small Town in Southwestern U.S.

Sample Identification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmv)	Carbon Dioxide (ppmv)	Sulfur Hexafluoride (ppbv)
A 007	8/1/95	upwind	0.054	< 3	440	NM
A 008	8/2/95	upwind	0.078	< 3	420	NM
A 012	8/2/95	beam path	< 0.022	< 2	430	38
A 013	8/2/95	beam path	0.470	< 2	420	22
A 014	8/2/95	upwind	0.520	< 3	410	NM
A 017	8/3/95	upwind	< 0.024	< 2	410	NM
A 018	8/3/95	beam path	0.010	< 2	420	46
A 021	8/3/95	upwind	0.160	< 3	420	NM
A 022	8/3/95	beam path	< 0.020	< 2	450	< 20

NM = Not measured

Sample Identification	Date Sampled	Sample Point	Total Non-methane Hydrocarbon (ppmv)	Methane (ppmv)	Carbon Dioxide (ppmv)	Sulfur Hexafluoride (ppbv)
A 007	8/1/95	upwind	0.054	3	440	NM
A 008	8/2/95	upwind	0.078	3	420	NM
A 014	8/2/95	upwind	0.520	3	410	NM
A 017	8/3/95	upwind	0.024	2	410	NM
A 021	8/3/95	upwind	0.160	3	420	NM
		Ω	5	. 5	5	n/a
		Avg.	0.167	2.80	420.00	. t/a
		Std. Dev.	0.204	0.45	12.25	n/a
		Min	0.024	2	410.00	n/a
		Max	0.520	3	440.00	n/a
				-		·
A 012	8/2/95	beam path	< 0.022	< 2	430	38
A 013	8/2/95	beam path	0.470	< 2	420	22
A 018	8/3/95	beam path	0.010	< 2	420	46
A 022	8/3/95	beam path	< 0.020	< 2	450	< 20

NM = Not measured

n/a = Not applicable

APPENDIX D

COMPLETE RESULTS OF METEROLOGICAL MONITORING

- D1 Beef Processing Plant in Southwest U.S.
- D2 Beef Processing Plant in Midwest U.S.
- D3 Chicken Processing Plant in Southeast U.S.
- D4 POTW for Small Town in Southwest U.S.
- D5 POTW for Very Small Town in Southwest U.S.

SW Beef

eorological Dat	-		WD	ws			· <u></u> -
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
Run 6	11116	remp(r)	(deg/	(HIDH)	(#1119)	(70)	Tilea
08/21/95	21:20	80.3	135.9	9.3	26.68	52.9	
08/21/95	21:25	80	134.8	9.1	26.68	53.8	5.
08/21/95	21:30	79.6	136.8	8.8	26.68	54.6	5.
08/21/95	21:35	79.1	133.9	7.7	26.68	55.7	6.
08/21/95	21:40	77.9	97	7.1	26.69	57.7	15.
08/21/95	21:45	77.4	121.1	7.9	26.69	58.9	
08/21/95	21:50	77.4	120.1	7.1	26.69	59.5	11.
08/21/95	21:55	76.6	96.1	6.6	26.7	60.6	1
08/21/95	22:00	75.9	101	6.3	26.7	62.2	
08/21/95	22:05	75.6	103	6.4	26.7	63.1	7.
08/21/95	22:10	75.1	114.1	6.1	26.7	64.5	5.
08/21/95	22:15	74.7	115	6.1	26.7	66.1	6.
08/21/95	22:20	74.8	114.8	6.2	26.7	66.8	5.
08/21/95	22:25	75.3	114.1	6.5	26.7	66.5	7.
08/21/95	22:30	74.8	112.1	5.6	26.7	67.5	
08/21/95	22:35	74.7	107.1	5.5	26.7	68.2	5.
08/21/95	22:40	74.7	109.1	5.6	26.71	68.6	5.
08/21/95	22:45	74.4	116.1	5.7	26.71	69.2	5.
08/21/95	22:50	74	122	5.8	26.71	70.1	5
08/21/95	22:55	74	124.9	5.6	26.71	70.4	4.
08/21/95	23:00	. 73.3	125.1	4.7	26.71	72.1	5.
08/21/95	23:05	72.9	128	4.6	26.71	73.4	4.
08/21/95	23:10	72.8	137.2	3.8	26.71	74.4	3.
08/21/95	23:15	72.9	128.2	3.7	26.7	75.2	6
08/21/95	23:20	73.1	126.9	4.2	26.7	74.7	3.
08/21/95	23:25	72.6	131.9	4.4	26.7	75.4	3
08/21/95	23:30	72.6	131.9	4.1	26.7	76.2	3
08/21/95	23:35	72.2	130	4	26.7	77	
08/21/95	23:40	72.2	132.1	4.7	26.7	77.7	3
08/21/95	23:45	72.3	128	5.7	26.7	77.6	3
08/21/95	23:50	72.2	125.1	6.8	26.7	77.2	4
08/21/95	23:55	72.2	137.2	6.8	26.7	76.7	6
08/21/95	00:00	71.7	145.8	5.7	26.7	78.7	3
08/22/95	00:05	71.9	164.9	7.9	_26.7	78.9	6
08/22/95	00:10	71.9	161.1	8.1	26.7	79.4	
08/22/95	00:15	72.1	161.8	8.2	26.7	79.5	5
08/22/95	00:20	72.1	164.9	7.9	26.71	79.8	
08/22/95	00:25	72.4	157.1	7.5	26.71	79.5	5
08/22/95	00:30	72.6	151.9	7.3	26.71	79.5	6
08/22/95	00:35	72.7	141.1	7.4	26.71	79.3	5
08/22/95	00:40	72.2	132.8	6.3	26.71	80.3	5
08/22/95	00:45	72	130	5.7	26.71	81	6
08/22/95	00:50	71.8	104	5.8	26.71	81.5	17
08/22/95	00:55	71.5	127.1	6.1	26.71	82.4	5
08/22/95	01:00	71.4	128.9	5.3	26.71	83	8
08/22/95	01:05	71.4	130	4.7	26.71	83.6	6
08/22/95	01:10	71	105.1	4.2	26.71	84.3	10
08/22/95	01:15	71.1	110.9	4.7	26.71	84.3	4
08/22/95	01:20	71.2	124	5.5	26.71	84.7	7
08/22/95	01:25	71.5	128.9	5.9	26.71	84	5
08/22/95	01:30	71.3	131.9	5.8	26.71	84	6
08/22/95	01:35	71.5	136.1	6.6	26.71	84.1	8
08/22/95	01:40	71.6	126.9	6.1	26.71	83.7	5
08/22/95	01:45	71.2	116.1	4.7	26.71	84.5	4
08/22/95	01:50	70.6	112.1	4.1	26.7	85.9	4
08/22/95	01:55	70.2	113.9	4.6	26.7	87.2	3

SW Beef

| Date Time Temp(F) Gog) |
|--|------|
| Date Time Temp(F) (deg) (mph) (in Hg) (%) T 08/22/95 02:00 70.3 122 5.2 26.7 87.8 08/22/95 02:05 70.5 121.1 5.8 26.7 86.6 08/22/95 02:15 70 131 4.4 26.7 87.7 08/22/95 02:20 69.6 125.1 5.1 26.7 89.2 08/22/95 02:25 69.4 125.1 5.1 26.7 90.3 08/22/95 02:36 69.2 130.1 5.1 26.7 90.9 08/22/95 02:35 69.2 130.1 5.1 26.7 90.9 08/22/95 02:46 69.3 133.9 5 26.7 90.7 08/22/95 02:46 69.3 133.9 5 26.7 90.9 08/22/95 02:50 69.2 129.1 5.2 26.7 91.1 08/22/95 03:00 69.2< | igma |
| OBIZ2I95 O2:00 70.3 122 5.2 26.7 87.8 | heta |
| 08/22/95 02:05 70.5 121.1 5.8 26.7 87.8 08/22/95 02:10 70.8 125.8 5.3 26.7 86.6 08/22/95 02:10 70 131 4.4 26.7 89.2 08/22/95 02:20 69.6 125.1 4.7 26.7 89.2 08/22/95 02:30 69.2 122.9 5.3 26.7 90.3 08/22/95 02:30 69.2 122.9 5.3 26.7 90.9 08/22/95 02:35 69.2 130.1 5.1 26.7 90.3 08/22/95 02:40 69.4 134.1 5.3 26.7 90.7 08/22/95 02:50 69.3 133.9 5 26.7 90.9 08/22/95 02:50 69.2 135 5 26.7 90.9 08/22/95 03:00 69.2 119.5 5.4 26.7 91.1 08/22/95 03:15 69.2 103. | 4.8 |
| 08/22/95 02:10 70.8 125.8 5.3 26.7 86.6 08/22/95 02:15 70 131 4.4 26.7 87.7 08/22/95 02:20 69.6 125.1 4.7 26.7 89.2 08/22/95 02:30 69.2 125.1 5.1 26.7 90.3 08/22/95 02:30 69.2 130.1 5.1 26.7 90.9 08/22/95 02:30 69.2 130.1 5.1 26.7 90.9 08/22/95 02:40 69.4 134.1 5.3 26.7 90.9 08/22/95 02:50 69.2 133.5 5 26.7 90.9 08/22/95 02:50 69.2 135.5 5 26.7 91.1 08/22/95 03:00 69.2 119 5.4 26.7 91.4 08/22/95 03:05 69 108.5 1 26.7 91.4 08/22/95 03:10 69.1 104.5 <td>8.5</td> | 8.5 |
| 08/22/95 02:15 70 131 4.4 26.7 87.7 08/22/95 02:20 69.6 125.1 4.7 26.7 89.2 08/22/95 02:30 69.2 125.9 5.3 26.7 90.9 08/22/95 02:30 69.2 122.9 5.3 26.7 90.9 08/22/95 02:40 69.4 134.1 5.3 26.7 90.9 08/22/95 02:45 69.3 133.9 5 26.7 90.9 08/22/95 02:50 69.2 135 5 26.7 90.9 08/22/95 02:55 69.2 129.1 5.2 26.7 91.4 08/22/95 03:00 69.2 119 5.4 26.7 91.4 08/22/95 03:05 69 108 5.1 26.7 91.7 08/22/95 03:10 69.1 104 5.1 26.7 91.7 08/22/95 03:25 69.2 105.8 | 5.5 |
| 08/22/95 02:20 69.6 125.1 4.7 26.7 89.2 08/22/95 02:25 69.4 125.1 5.1 26.7 90.3 08/22/95 02:30 69.2 122.9 5.3 26.7 90.9 08/22/95 02:35 69.2 130.1 5.1 26.7 90.7 08/22/95 02:45 69.3 133.9 5 26.7 90.7 08/22/95 02:50 69.2 135 5 26.7 90.9 08/22/95 02:55 69.2 129.1 5.2 26.7 91.1 08/22/95 03:05 69.2 109.1 5.4 26.7 91.4 08/22/95 03:05 69.2 109.1 5.1 26.7 91.7 08/22/95 03:10 69.1 104 5.1 26.7 90.8 08/22/95 03:20 69.2 103.8 5.7 26.69 90.6 08/22/95 03:20 69.2 1 | 3.5 |
| 08/22/95 02:25 69.4 125.1 5.1 26.7 90.3 08/22/95 02:30 69.2 122.9 5.3 26.7 90.9 08/22/95 02:35 69.2 130.1 5.1 26.7 90.7 08/22/95 02:40 69.4 134.1 5.3 26.7 90.7 08/22/95 02:50 69.2 135 5 26.7 90.9 08/22/95 02:55 69.2 135 5 26.7 91.1 08/22/95 03:00 69.2 119 5.4 26.7 91.1 08/22/95 03:05 69 108 5.1 26.7 91.4 08/22/95 03:10 69.1 104 5.1 26.7 91.7 08/22/95 03:15 69.2 103 5.1 26.7 91.4 08/22/95 03:20 69.2 105.8 5.7 26.69 90.8 08/22/95 03:30 68.9 101.2 | 2.6 |
| 08/22/95 02:30 69.2 122.9 5.3 26.7 90.9 08/22/95 02:35 69.2 130.1 5.1 26.7 90.7 08/22/95 02:40 69.4 134.1 5.3 26.7 90.7 08/22/95 02:45 69.3 133.9 5 26.7 90.9 08/22/95 02:50 69.2 135 5 26.7 91 08/22/95 02:55 69.2 129.1 5.2 26.7 91.4 08/22/95 03:00 69.2 119 5.4 26.7 91.4 08/22/95 03:05 69 108 5.1 26.7 91.4 08/22/95 03:10 69.1 104 5.1 26.7 91.7 08/22/95 03:15 69.2 103.5 5.7 26.69 90.8 08/22/95 03:20 69.2 109.1 6.1 26.69 90.3 08/22/95 03:30 68.9 112 | |
| 08/22/95 02:35 69.2 130.1 5.1 26.7 91.3 08/22/95 02:40 69.4 134.1 5.3 26.7 90.7 08/22/95 02:45 69.3 133.9 5 26.7 90.9 08/22/95 02:55 69.2 129.1 5.2 26.7 91.1 08/22/95 03:00 69.2 119 5.4 26.7 91.4 08/22/95 03:05 69 108 5.1 26.7 91.4 08/22/95 03:05 69 108 5.1 26.7 91.4 08/22/95 03:15 69.2 103.5 5.7 26.7 90.8 08/22/95 03:25 69.2 105.8 5.7 26.69 90.6 08/22/95 03:30 68.9 112 6.1 26.69 90.3 08/22/95 03:30 68.9 112 6.1 26.69 90.3 08/22/95 03:35 63.7 116.1 </td <td>2.6</td> | 2.6 |
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| 08/22/95 05:00 67.2 117 5 26.68 93.9 08/22/95 05:05 67.2 116.8 5 26.68 93.3 08/22/95 05:10 67.1 113.9 5.3 26.68 92.4 08/22/95 05:15 66.9 119 5.5 26.69 92.1 08/22/95 05:20 66.5 126.9 4.8 26.69 92.8 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.3 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 1 | 5 |
| 08/22/95 05:05 67.2 116.8 5 26.68 93.3 08/22/95 05:10 67.1 113.9 5.3 26.68 92.4 08/22/95 05:15 66.9 119 5.5 26.69 92.1 08/22/95 05:20 66.5 126.9 4.8 26.69 92.8 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 < | 5.5 |
| 08/22/95 05:10 67.1 113.9 5.3 26.68 92.4 08/22/95 05:15 66.9 119 5.5 26.69 92.1 08/22/95 05:20 66.5 126.9 4.8 26.69 92.8 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 6.1 |
| 08/22/95 05:15 66.9 119 5.5 26.69 92.1 08/22/95 05:20 66.5 126.9 4.8 26.69 92.8 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | |
| 08/22/95 05:20 66.5 126.9 4.8 26.69 92.8 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 4.9 |
| 08/22/95 05:25 66 129.1 4.2 26.69 93.7 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 3.7 |
| 08/22/95 05:30 65.5 136.8 3.3 26.68 95 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 4.1 |
| 08/22/95 05:35 65.6 136.8 3.4 26.69 95.7 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 4.3 |
| 08/22/95 05:40 65.8 134.1 4.1 26.68 95.5 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 3.2 |
| 08/22/95 05:45 66 131.9 4.4 26.68 95.3 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 3.1 |
| 08/22/95 05:50 65.9 131 4.4 26.68 95 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 2.4 |
| 08/22/95 05:55 65.9 129.1 4.1 26.68 94.9 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 3 |
| 08/22/95 06:00 65.8 125.1 4.2 26.69 94.4 | 3.7 |
| | 2.8 |
| 08/22/95 06:05 65.7 115 4.1 26.69 94.2 | 3.2 |
| | 3.3 |
| 08/22/95 06:10 65.5 118.1 4.2 26.69 94.3 | 2.5 |
| 08/22/95 06:15 65.5 119 5 26.69 94.3 | 3.6 |
| 08/22/95 06:20 65.9 126.9 6.1 26.69 92.7 | 4.7 |
| 08/22/95 06:25 65.5 130 5.4 26.69 92.6 | 3.6 |
| 08/22/95 06:30 65.3 128.9 5.1 26.69 93.1 | 3.5 |
| 08/22/95 06:35 65.2 124.9 4.8 26.69 93.4 | 5.9 |
| 08/22/95 06:40 65.3 125.8 4.6 26.69 93.3 | 6.9 |

SW Beef

Meteorological Data							
			WD	ws			
			Scalar	Scalar	8P	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/22/95	06:45	65.1	130.1	4.3	26.69	94	4.4
08/22/95	06:50	65.1	143.1	4.6	26.69	94.5	4.8
08/22/95	06:55	65.5	137.2	5.3	26.69	93.3	6.3
08/22/95	07:00	65.5	135.9	4.2	26.69	93.1	4.9
08/22/95	07:05	65.6	116.8	4.1	26.7	93.2	3.3
08/22/95	07:10	65.9	131.9	4.2	26.7	92.9	4.7
08/22/95	07:15	66.4	135	5.6	26.7	91.4	4.7
08/22/95	07:20	66.6	132.8	5.5	26.7	90.2	4.9
08/22/95	07:25	66.8	131.9	4.5	26.7	90	5.9
08/22/95	07:30	67.2	126	5.1	26.71	89.2	6.4
08/22/95	07:35	67.5	137.2	5.2	26.71	88.5	6.4
08/22/95	07:40	68	139	4.9	26.71	87.7	5.9
08/22/95	07:45	68.6	139	6.1	26.72	86.8	5.7
08/22/95	07:50	69.3	137.2	7.5	26.72	83.9	8.8
08/22/95	07:55	69.8	133	7.5	26.72	83	6.6
08/22/95	08:00	70.6	128.2	7.5	26.72	80.5	6.4
08/22/95	08:05	71.2	134.8	7.4	26.72	78.3	7.4
08/22/95	08:10	72	137.2	7.8	26.72	75.5	6.1
08/22/95	08:15	72.9	149	8.6	26.73	73	7.7
08/22/95	08:20	73.5	153.2	8.9	26.73	71.2	7
08/22/95	08:25	73.6	150.8	10.4	26.73	69.7	7.1
08/22/95	08:30	73.7	148.9	10.1	26.73	69.6	6
08/22/95	08:35	74	148.1	10.6	26.73	68.7	6.9
08/22/95	08:40	74.7	150.1	11.2	26.73	67.3	8.5
08/22/95	08:45	75.2	153.2	10.7	26.73	66	8.7

SW Beef

eorological Data						i	
			WO	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
ownwind Data			_ <u>\9</u> /	```	<u>, , , , , , , , , , , , , , , , , , , </u>		
Run 7							
08/22/95	22:15	75.4	110.9	8.3	26.67	59.6	6.
08/22/95	22:20	75.3	112.9	8.8	26.67	60	6.
08/22/95	22:25	75	110	8.6	26.67	60.5	6.
08/22/95	22:30	74.6	110.9	7.9	26.68	61.3	6.
08/22/95	22:35	74.2	110	7.5	26.68	62.1	5.
08/22/95	22:40	73.8	108.9	7.5	26.68	63	5.
08/22/95	22:45	73.6	112	6.8	26.68	63.6	5.
08/22/95		73.6	110	7.1	26.68	64	J.
	22:50			6.4		65	5.
08/22/95	22:55	73.1	105.1		26.68 26.68		4.
08/22/95	23:00	72.4	104.9	5.4		66.2	
08/22/95	23:05	72.2	112.9	5.6	26.68	67	6.
08/22/95	23:10	72	116.8	5.5	26.68	67.6	4.
08/22/95	23:15	71.9	123.8	4.9	26.68	68.4	5.
08/22/95	23:20	71.8	132.1	5.1	26.68	68.9	3.
08/22/95	23:25	71.5	127.1	5.4	26.67	69.6	3.
08/22/95	23:30	71.2	119	5.6	26.67	70.3	4.
08/22/95	23:35	71.2	120.1	5.3	26.67	70.9	4.
08/22/95	23:40	71	122	4.7	26.67	71.2	4.
08/22/95	23:45	71.3	110	6	26.67	71.1	6
08/22/95	23:50	71	98.1	6.1	26.67	71.4	6
08/22/95	23:55	70.5	102.1	5.8	26.67	72.2	6.
08/23/95	-00:00	70.1	103.9	5.5	26.67	72.9	
08/23/95	00:05	69.9	109.1	5.3	26.67	73.6	6.
08/23/95	00:10	69.7	120.1	5.2	26.67	74.3	5.
08/23/95	00:15	69.5	115	5	26.67	75.3	_ 7
08/23/95	00:20	69.4	100.1	5.5	26.67	76.4	3
08/23/95	00:25	69.3	107.8	5.4	26.67	76.7	6
08/23/95	00:30	69.1	130	4.5	26.67	77.3	4
08/23/95	00:35	69	121	4.1	26.67	77.9	
08/23/95	00:40	68.7	124.9	4.5	26.67	79.3	2
08/23/95	00:45	68.7	123.1	5	26.67	79.6	3
08/23/95	00:50	68.4	113	4.6	26.67	80.1	
08/23/95	00:55	67.8	105.1	5	26.67	81.3	4
08/23/95	01:00	67.7	109.1	6.1	26.67	82.3	5
08/23/95	01:05	68.2	116.1	6.9	26.67	82.2	4
08/23/95	01:10	68.5	120.1	6.7	26.67	81.9	4
08/23/95	01:15	68.4	112.1	5.9	26.67	81.7	4
08/23/95	01:20	68	110	5.5	26.67	82.5	4
08/23/95	01:25	67.9	110	5.6	26.67	83.3	4
08/23/95	01:30	68.1	114.8	5.5	26.67	83.3	4
08/23/95	01:35	68.5	119	5.5	26.67	82.9	5
08/23/95	01:40	68.6	117	5.4	26.67	82.6	5
08/23/95	01:45	68.6		5.4	26.67		4
08/23/95			120.1			82.8	
08/23/95	01:50	68.5	122.9	5.5	26.67	83.3	4
08/23/95	01:55	68.4	128.2	5.5	26.67	83.4	3
	02:00	68.1	125.1	5.6	26.67	83.9	5
08/23/95	02:05	68	127.1	5	26.67	84.3	3
08/23/95	02:10	67.6	132.8	4.6	26.67	84.8	3
08/23/95	02:15	67.4	130.1	4.6	26.67	85.3	2
08/23/95	02:20	67.2	130.9	4.8	26.67	85.7	ϵ
08/23/95	02:25	67.4	130	5.2	26.67	85.9	3
08/23/95	02:30	67.2	136.1	5.6	26.67	86.1	4
08/23/95	02:35	67.4	140	6	26.67	86.3	4
08/23/95	02:40	67.8	139.9	6.2	26.67	85.4	5
08/23/95	02:45	67.7	145.1	6	26.67	85.8	7

			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/23/95	02:50	66.7	161.1	5.9	26.66	87.1	4.9
08/23/95	02:55	66.6	150.1	6.2	26.66	89.7	5.
08/23/95	03:00	67.1	142	6.6	26.66	87.7	6.
08/23/95	03:05	66.7	137.9	5.5	26.66	87.2	6.
08/23/95	03:10	66.8	160.2	5.1	26.66	88.6	10.
08/23/95	03:15	66.4	160.2	5	26.66	88.7	4.
08/23/95	03:20	66.3	149.9	5.2	26.66	89.1	10.
08/23/95	03:25	66	135	5.5	26.66	88.5	5.
08/23/95	03:30	65.6	132.1	5.2	26.66	89.6	8
08/23/95	03:35	64.9	121	4.4	26.66	90.8	4
08/23/95	03:40	65.2	131	4.7	26.66	91.8	6
08/23/95	03:45	64.9	128.2	4.6	26.66	91.6	3.
08/23/95	03:50	64.6	130.9		26.66	92.4	3
				4.8			4.
08/23/95	03:55	64.6	133.9	4.9	26.66	92.9	
08/23/95	04:00	65.3	144.9	5.2	26.66	93.5	6.
08/23/95	04:05	65.9	156.1	6	26.65	93.9	6
08/23/95	04:10	66	154.1	6.3	26.65	94.3	7
08/23/95	04:15	66.2	151	6.6	26.66	94.5	
08/23/95	04:20	67	148.9	7.4	26.66	92.8	7
08/23/95	04:25	67.1	151	6.1	26.66	92.3	7
08/23/95	04:30	66.7	157	5	26.66	92.9	6
08/23/95	04:35	66.4	155.2	5	26.66	93.9	6
08/23/95	04:40	66.4	1 148	5.6	26.65	94.1	7
08/23/95	04:45	66	143.1	5.5	26.65	94	10
08/23/95	04:50	66.3	152.1	6.9	26.65	95.3	6
08/23/95	04:55	66.4	151	7.2	26.65	95.4	7.
08/23/95	05:00	66.8	156.1	7.2	26.65	94.7	7
08/23/95	05:05	66.1	162.2	6.9	26.65	94.9	
08/23/95	05:10	65.8	160.2	7.2	26.65	95.9	5
08/23/95	05:15	65.8	159.1	. 8	26.65	97.1	5
08/23/95	05:20	66	157	7.5	26.65	97.8	6
08/23/95	05:25	66.4	152.8	7.9	26.65	97.3	
08/23/95	05:30	66.7	150.1	7.7	26.65	96.5	5
08/23/95	05:35	66.3	132.1	5.8	26.65	95.5	14
08/23/95	05:40	65.3	115	5	26.65	96.7	- 5
08/23/95	05:45	65.2	126	5.2	26.65	98.1	9
08/23/95	05:50	65.6	139	6	26.65	98.2	6
08/23/95	05:55	66.1	151	8	26.65	98.8	6
08/23/95	06:00	66.2	151	7.6	26.65	98.4	6
08/23/95	06:05	66.7	153.9	8.5	26.65	97.6	6
08/23/95	06:10	66.8	152.1	7.2	26.65	96.8	7
08/23/95	06:15	66.6	134.1	6.7	26.65	96.2	9
08/23/95	06:20	65.9	110.9	5.5	26.65	97	11
08/23/95	06:25	64.6	96.1	4.7	26.65	97.7	8
08/23/95	06:30	64	117.9	5.3	26.65	99.3	5
08/23/95	06:35	63.9	126.9	5.7	26.65	99.6	4
08/23/95	06:40	64	129.1	5.9	26.65	99.6	
08/23/95	06:45	64.3	131	5.4	26.65	99.7	5
	06:50						
08/23/95		65.2	145.8	7	26.65	99.7	5
08/23/95	06:55	66.2	150.1	7.6	26.65	99.6	7
08/23/95	07:00	66.6	142	7.2	26.65	99.4	5
08/23/95	07:05	66.5	131.9	7.4	26.66	98.8	7
08/23/95	07:10	65.8	132.8	6	26.66	99.5	5
08/23/95	07:15	65.4	137.2	5.8	26.66	99.6	4
08/23/95	07:20	65.3	137.2	5.5	26.66	99.6	4
08/23/95	07:25	65.6	137.2	5.6	26.66	99.6	7
08/23/95	07:30	65.6	135	5.3	26.67	99.6	7

			WD	ws			
			Scalar	Scalar	BP BP	RH	Sigma
- Data	Time	Temp(F)			(in Hg)	(%)	Theta
Date			(deg)	(mph)	26.67	99.7	9.6
08/23/95	07:35	65.9	162.2	5.5	26.67	99.7	7.6
08/23/95	07:40	66.1	171.2	4.8	20.07	99.7	7.0
Run 8			170.0	44.6			
08/23/95	09:55	76.4	178.2	11.9	26.7	70.8	8.6
08/23/95	10:00	76.6	174.1	12.3	26.7	69.9	- 6
08/23/95	10:05	77.2	171.2	11.9	26.7	68.8	8.5
08/23/95	10:10	77.1	175.9	11.6	26.71	68.5	10.4
08/23/95	10:15	77.6	176.2	10.7	26.7	67.6	8.
08/23/95	10:20	77.9	184.1	11	26.71	66.1	14.
08/23/95	10:25	77.9	189.2	12.3	26.71	65.5	11.
08/23/95	10:30	78.1	193.1	11.3	26.71	64.4	11.
08/23/95	10:35	78.8	192.2	12.2	26.71	63.9	
Run 9							
08/23/95	10:45	78.9	173.2	11.6	26.71	60.7	15.
08/23/95	10:50	79.3	172.1	12.8	26.71	60.3	10.
08/23/95	10:55	79.4	175.1	13.2	26.71	59.7	10.
08/23/95	11:00	79.9	165.1	12.3	26.71	58	8.
08/23/95	11:05	80	175.1	12.1	26.71	58.3	9.
08/23/95	11:10	80.1	166	12.9	26.71	57.5	12.
08/23/05	11:15	80.3	176.9	13.3	26.71	57.4	12
08/23/95	11:20	80.3	195.1	11.9	26.7	56.7	9.
08/23/95	11:25	80.7	167	12.7	26.71	55.6	10.
			174.1	12.7	26.7		
08/23/95 08/23/95	11:30	81 81.2	184.1	13.1	26.71	54.4 53.7	15. 13.
	11:35	81.2	104.1	13.1	20./1	55.7	13.
Run 10	44.45	64 =	405.0	10.0			
08/23/95	11:45	81.7	185.9	12.3	26.7	52.8	13.
08/23/95	11:50	82.4	176	12.5	26.7	51.7	15.
08/23/95	11:55	82	193.1	12.7	26.7	51.4	9
08/23/95	12:00	82	172.1	11.8	26.7	50.7	11
08/23/95	12:05	82.6	177.1	10.1	26.7	49.6	20
08/23/95	12:10	82.8	189.9	11.4	26.7	50.1	14
08/23/95	12:15	82.6	190.8	10.2	26.7	48.9	11
08/23/95	12:20	82.1	196.9	10.2	26.7	49.1	11
08/23/95	12:25	- 82.8	- 166.1	- 11	- 26.7	-49.6	13
08/23/95	12:30	83.7	143.8	10.9	26.7	47	11
08/23/95	12:35	83.5	159.1	12.9	26.7	47.8	15
08/23/95	12:40	84.3	161.1	9.7	26.7	46.5	12
08/23/95	12:45	84.7	162.2	11.3	26.7	46.1	12
08/23/95	12:50	84.4	168.1	11.8	26.7	45.6	16
08/23/95	12:55	85.1	157.1	8.8	26.7	44.3	12
08/23/95	13:00	84.9	157	8.9	26.7	44.2	13
08/23/95	13:05	85	148.9	11.8	26.7	44.2	9
08/23/95	13:10	84.7	166.1	9.6	26.7	45.1	23
08/23/95	13:15	85.3	158	9.6	26.7	46.3	17
08/23/95	13:20	86.1	154.1	7.7	26.69	44.9	19
08/23/95	13:25	86.4	152.8	12.6	26.69	43.9	9
08/23/95	13:30	85.8	148.9	11.5	26.69	43.9	
08/23/95	13:35	85.4	177.1	11.7	26.69	45.4	
08/23/95	13:40	85.9	185.2	8.7	26.69	45.4	18
08/23/95	13:45	85.9	187.2			43.4	_
				10	26.69		22
08/23/95	13:50	85.6	164.9	9.5	26.69	44.1	33
08/23/95	13:55	86.8	159.1	7.6	26.69	43.8	29
08/23/95	14:00	86.5	144	9.7	26.69	41.7	13
08/23/95	14:05	86.9	157	11.8	26.68	43.6	13
08/23/95	14:10	86	169.2	12.1	26.68	43	9
08/23/95	14:15	86.3	135.9	7.8	26.68	40.9	25
08/23/95	14:20	87.3	127.1	10.5	26.68	41	16

leteorological Data	<u> </u>		14/5	WS			
			WD		BP	RH	Ciama
0-4-	T1	**	Scalar	Scalar			Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/23/95	14:25	87.4	143.8	10.2	26.68	41.1	17.3
08/23/95	14:30	86.4	121	7.6	26.68	40.8	15.2
08/23/95	14:35	87	169.2	8.1	26.68	43.2	17.8
08/23/95	14:40	86.8	182.9	11.4	26.67	43.1	11.5
08/23/95	14:45	87.2	164.9_	8.8	26.67	40.5	24.6
08/23/95	14:50	88.3	145.8	9.2	26.67	39.7	30.4
08/23/95	14:55	86.8	196.9	11.3	26.67	39.8	
08/23/95	15:00	87.5	165.1	9.1	26.67	39.4	12.5
08/23/95	15:05	87.4	176.9	10.5	26.67	36.8	12.9
08/23/95	15:10	87.2	184.9	7.7	26.66	36.5	13.5
08/23/95	15:15	88	167.9	10.1	26.66	38.6	17.4
08/23/95	15:20	88.8	160.9	7.1	26.66	36.8	15.2
08/23/95	15:25	89.9	160.2	4.4	26.66	36.2	23.4
08/23/95	15:30	90.7	127.1	6.1	26.65	33.8	30.1
08/23/95	15:35	90.4	133.9	9.1	26.65	34.2	17.5
08/23/95	15:40	88.7	170.8	10.8	26.65	35.3	16.1
08/23/95	15:45	88.8	130.9	8.7	26.65	33.7	27.3
08/23/95	15:50	88.3	167.9	5.4	26.65	32.7	22.1
08/23/95	15:55	87.7	220.9	4.4	26.64	34.3	25.5
08/23/95	16:00	89.2	145.8	8.6	26.64	35.8	16.2
08/23/95	16:05	89.5	142.9	8.7	26.64	34	12
Run 11							
08/23/95	17:00	89.4	110.9	11.6	26.62	32.3	26.2
08/23/95	17:05	89	101	10	26.62	31.3	12.1
08/23/95	17:10	89	117.9	12.1	26.62	31.7	16.9
08/23/95	17:15	89.2	112.9	13.1	26.62	30.7	10.4
08/23/95	17:20	89	112.1	. 11.3	26.62	30.7	8.8
08/23/95	17:25	88.8	118.1	10.2	26.61	31.4	9.2
08/23/95	17:30	88.2	99.9	9.4	26.61	32	15.8
08/23/95	17:35	89.1	115	10.6	26.61	31.7	13
08/23/95	17:40	88.4	115	10.5	26.61	31.2	8.2
08/23/95	17:45	88.9	126.9	9.2	26.61	30.8	11.3
08/23/95	17:50	88.7	136.8	11.2	26.61	31.4	8.2
08/23/95	17:55	88.7	121.1	9.9	26.61	31.3	11.9
08/23/95	18:00	88.2	90.9	9	26.61	31.3	12.8
08/23/95	18:05	88.3	123.8	9.2	26.61	32.8	10.6
08/23/95	18:10	88.9	142.9	10.9	26.6	32.9	8.5
08/23/95	18:15	88.6	126.9	10.7	26.6	32.9	15.7
08/23/95	18:20	87.7	123.8	10.8	26.61	32.7	9.2
08/23/95	18:25	87.5	114.1	9.2	26.6	33.7	13.7
08/23/95	18:30	87.2	121	9.6	26.6	35	11.8
08/23/95	18:35	87	136.1	11	26.6	36.3	13
08/23/95	18:40	86.9	130	10.4	26.6	37.1	11.5
08/23/95	18:45	86.7	131	14.7	26.59	36.7	7
Run 12							
08/23/95	19:25	85.2	134.8	13.8	26.58	39.1	7.4
08/23/95	19:30	84.9	131	13.3	26.58	39.8	9.2
08/23/95	19:35	84.7	142.9	14	26.58	40.2	6.8
08/23/95	19:40	84.4	134.8	12.4	26.58	41	8.2
08/23/95	19:45	83.8	133	13.6	26.58	41.6	7.4
08/23/95	19:50	83.4	131	13.4	26.58	42.7	6.6
08/23/95	19:55	83	134.1	13.1	26.58	43.3	6.6
08/23/95	20:00	82.8	131	14.3	26.58	43.9	8.6
		82.4	130.1	14.3	26.58	44.8	6.3
08/23/95	20:05	02.4					
	20:05	82	131	13.8		45.9	7
08/23/95					26.58 26.58	45.9 47	7 5.7

SW Beef

eorological Data			WD	ws			
			Scalar	Scalar	ВР	RH	Sigma
Date	Time	Temp(F)	(deg)_	(mph)	(in Hg)	(%)	Theta
08/23/95	20:25	80.8	134.1	13.1	26.58	49	6.3
08/23/95	20:30	80.3	135	12.4	26.58	49.8	6.1
		79.9		12.7	26.57	50.4	6.8
08/23/95	20:35	79.5	131.9 131	12.7	26.57	50.8	7.2
08/23/95	20:40				26.57	51.6	
08/23/95	20:45	79	130.1	11.4		52.4	6.
08/23/95	20:50	78.7	131	11.4	26.58		6.9
08/23/95	20:55	78.3	131.9	11.2	26.58	53.1	8.
08/23/95	21:00	78.1	131	11.2	26.58	53.7	7.
08/23/95	21:05	77.8	133	11.5	26.58	54	6.
08/23/95	21:10	77.6	134.8	11.2	26.58	54.3	6.
08/23/95	21:15	77.3	135	10.8	26.58	54.7	
08/23/95	21:20	77.1	135	11.1	26.58	55.1	6.
08/23/95	21:25	76.9	136.8	11.4	26.58	55.5	6.
08/23/95	21:30	76.9	134.8	11.6	26.58	55.5	7.
08/23/95	21:35	76.6	134.1	11.2	26.58	55.8	5.
08/23/95	21:40	76.2	135.9	10.1	26.58	56.1	6.
08/23/95	21:45	76.2	134.8	11	26.59	56.2	7.
08/23/95	21:50	75.8	136.1	10.7	26.59	56.5	6.
08/23/95	21:55	75.5	134.8	10	26.59	56.9	6.
08/23/95	22:00	75.1	130.9	9.6	26.59	57.6	G.
08/23/95	22:05	74.6	128.2	9.4	26.59	58.5	6.
08/23/95	22:10	74.3	132.1	9	26.59	59.2	6.
08/23/95	22:15	74.1	133	9.2	26.59	59.8	6.
08/23/95	22:20	73.7	139	8.8	26.6	60.3	6.
08/23/95	22:25	73.6	139.1	8.1	26.6	60.8	6.
08/23/95	· 22:30	73.3	139.1	8.3	26.6	61.2	
08/23/95	22:35	73.2	140	9	26.6	61.7	5
08/23/95	22:40	72.8	139.1	8.7	26.6	62.2	5
08/23/95	22:45	72.8	141.1	9.3	26.6	62.6	6
08/23/95	22:50	72.6	143.1	8.8	26.6	62.8	6
08/23/95	22:55	72.6	146.2	9.1	26.6	63	6
08/23/95	23:00	72.5	143.1	9.1	26.6	63.3	5
08/23/95	23:05	72.6	144.9	10	26.6	63.3	6
08/23/95		72.6	148.1	9.1	26.6	63.1	
	23:10						,
08/23/95	23:15	72.3	142.9	8.2	26.6	63.6	
08/23/95	23:20	72.2	146.9	8.3	26.6	63.8	7
08/23/95	23:25	71.8	154.1	7.7	26.6	64.2	5
08/23/95	23:30	71.4	156.1	7.5	26.6	64.8	5
08/23/95	23:35	70.8	153.9	7.2	26.6	65.9	5
08/23/95	23:40	70.6	152.8	7.9	26.6	66.7	5
08/23/95	23:45	70.5	157.9	7.3	26.6	67.2	5
08/23/95	23:50	70.3	163.8	7.8	26.6	68.3	6
08/23/95	23:55	69.4	141.8	5.8	26.6	68.3	13
08/23/95	00:00	68.1	145.1	4.8	26.6	70.5	5
08/24/95	00:05	67.6	140.9	4.9	26.6	72.5	4
08/24/95	00:10	67.8	152.1	5.4	26.59	73.5	6
08/24/95	00:15	67.9	154.1	5.8	26.59	73.7	6
08/24/95	00:20	68	159.1	6	26.59	73.9	4
08/24/95	00:25	68.4	153.2	6.4	26.59	73.5	ϵ
08/24/95	00:30	67.8	150.8	5.5	26.59	74	4
08/24/95	00:35	67.5	149.9	5.3	26.59	75.2	4
08/24/95	00:40	67.4	151.9	5	26.6	76.1	4
08/24/95	00:45	67.4	155.2	5.5	26.59	76.5	4
08/24/95	00:50	67.5	155.9	5.7	26.59	76.8	
08/24/95	00:55	66.9	150.1	5.3	26.59	77.5	3
08/24/95	01:00	66.2	147.1	5.2	26.6	78.7	10
08/24/95	01:05	66	149.9	5.7	26.59	79.7	3

			WD	WS			
		- :	Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/24/95	01:10	66.2	151.9	6.2	26.59	79.6	
08/24/95	01:15	65.6	148.1	6	26.59	79.9	4.
08/24/95	01:20	65.2	147.1	6	26.59	81	
08/24/95	01:25	65.1	145.1	6.3	26.59	82	4.
08/24/95	01:30	65.4	151	6.2	26.59	82.2	
08/24/95	01:35	65.5	150.8	5.8	26.59	81.9	4.
08/24/95		65.3	150.8		26.59	82.3	4.
	01:40			5.8			
08/24/95	01:45	65.1	146.2	5.7	26.59	82.8	4.
08/24/95	01:50	64.9	149	6	26.59	83.4	4.
08/24/95	01:55	65	150.8	6.1	26.59	83.7	4.
08/24/95	02:00	64.9	147.1	6.1	26.59	83.9	4.
08/24/95	02:05	64.5	143.1	6	26.59	84.5	3.
08/24/95	02:10	64.7	148	6.4	26.59	85.3	6.
08/24/95	02:15	65.3	151	6.3	26.59	84.1	4,
08/24/95	02:20	64.9	156.1	5.5	26.59	84.3	4.
08/24/95	02:25	65.1	162.2	5.7	26.59	86	5.
08/24/95	02:30	65.6	164.9	6.1	26.59	86.2	6
08/24/95	02:35	65.4	161.1	5.1	26.59	85.9	10
08/24/95	02:40	65.3	161.1	5.2	26.59	86	7.
08/24/95	02:45	65.2	157.9	5.6	26.58	85.5	5
08/24/95	02:50	64.3	149.9	5.8	26.58	84.9	4
08/24/95	02:55	63.5	151	5.5	26.58	87.1	4
08/24/95	03:00	63.5	154.8	5.3	26.58	88.6	4
08/24/95	03:05	63.8	151	5.9	26.58	88.8	
08/24/95	03:03	64					
08/24/95			148.1	6.3	26.58	88.6	5.
08/24/95	03:15	63.6	148 147.1	5.9	26.58	88.8	4
	03:20	63.4		5.6	26.58	89.5	4
08/24/95	03:25	63.1	144.2	5.3	26.58	90.3	3
08/24/95	03:30	63.5	151	6.2	26.58	91.4	8.
08/24/95	03:35	64.2	149	5.7	26.58	90	4
08/24/95	03:40	63.8	151	5.2	26.58	90	
08/24/95	03:45	63.8	151.9	5.6	26.58	90.3	5.
08/24/95	03:50	63.7	154.1	5.3	26.58	90.6	4.
08/24/95	03:55	63.5	155.2	4.9	26.58	90.9	5
08/24/95	04:00	63.7	158.9	5.2	26.58	91.5	4
08/24/95	04:05	64.1	170.8	4.9	26.58	92.2	9
08/24/95	04:10	64.3	159.1	5.7	26.58	91	8
08/24/95	04:15	63.8	148.1	6.2	26.58	89.9	5.
08/24/95	04:20	63.1	152.8	5.8	26.58	90.9	5
08/24/95	04:25	63.3	162.2	5.7	26.58	92.3	8
08/24/95	04:30	64.1	170.1	6.6	26.58	92.3	 7
08/24/95	04:35	64.6	173.2	6.8	26.58	90.9	6
08/24/95	04:40	64.4	180.9	5.5	26.58	89.5	 7
08/24/95	04:45	64.3	189.2	4.9	26.58	91.6	
08/24/95	04:50	64.2	179.1	5.7	26.58		
08/24/95	04:55					91.5	5
08/24/95		64.2	177.1	7.3	26.58	91	5
	05:00	64.2	180.9	8.3	26.58	90.2	6
08/24/95	05:05	64.2	184.1	8.3	26.58	90.5	
08/24/95	05:10	64.5	177.1	8	26.58	89.8	6
08/24/95	05:15	64.5	177.1	7.9	26.58	90	6
08/24/95	05:20	64.6	179.8	8	26.58	88.6	5
08/24/95	05:25	64.2	181.1	7	26.58	89	6
08/24/95	05:30	63.8	182	6.4	26.58	90.2	6
08/24/95	05:35	63.7	183.1	5.9	26.58	90.8	5
08/24/95	05:40	63.4	183.1	5	26.58	92.2	5
08/24/95	05:45	63.3	179.8	4.9	26.58	92.7	4
08/24/95	05:50	63.3	177.1	4.9	26.58	93.2	5

eteorological Data							
			WD	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/24/95	05:55	63.4	174.1	5.7	26.58	94.5	6.6
08/24/95	06:00	63.2	179.1	5.8	26.58	93.4	5.5
08/24/95	06:05	62.9	177.1	6.1	26.58	94.5	
08/24/95	06:10	62.8	183.1	5.5	26.58	95	5.8
08/24/95	06:15	62.8	177.1	5.4	26.58	95.7	6.9
08/24/95	06:20	63.1	168.8	6.1	26.58	97.1	7.5
08/24/95	06:25	63.2	158.9	5.8	26.58	95.2	11.9
08/24/95	06:30	61.9	153.9	4.9	26.58	94.9	6.8
08/24/95	06:35	61.7	149	5.4	26.58	96.6	8.8
08/24/95	06:40	61.8	152.1	5.2	26.58	98.4	5.2
08/24/95	06:45	61.9	166	5.2	26.58	99.3	9.2
08/24/95	06:50	62.4	179.8	5.9	26.58	99.5	6.4
08/24/95	06:55	61.8	176.9	4.6	26.58	98.7	4.7
08/24/95	07:00	61.7	167	5.1	26.58	99.5	3.9
08/24/95	07:05	61.3	144.2	5.4	26.58	98.7	7.9
08/24/95	07:10	60.5	137.2	5.5	26.58	99.3	4.2
08/24/95	07:15	60.3	139.9	6	26.58	99.6	3.7
08/24/95	07:20	60.5	142	5.2	26.58	99.7	5.7
08/24/95	07:25	60.6	146.2	5	26.58	99.7	4.1
08/24/95	07:30	60.7	151	5.1	26.56	99.6	5.2
08/24/95	07:35	61.1	148	4.8	26.58	99.6	5.7
08/24/95	07:40	61.2	141.1	4.3	26.58	98.8	5.7
08/24/95	07:45	61.5	148	4.7	26.58	97.2	5.7
08/24/95	07:50	62	148.9	4.8	26.58	95.1	5.8
08/24/95	07:55	63.2	159.1	6.2	26.58	91.7	
08/24/95	08:00	63.9	157.1	6.1	26.58	88.4	8.3
08/24/95	08:05	64.9	168.1	6.9	26.58	86.3	8.8
08/24/95	08:10	65.9	174.1	6.8	26.59	83.8	6
08/24/95	08:15	66.4	172.8	7.3	26.59	81.3	5.9
08/24/95	08:20	67.1	175	7.1	26.59	79.5	<u> </u>
08/24/95	08:25	67.7	180.9	7.5	26.59	76.9	7.2
08/24/95	08:30	68.4	181.8	8.7	26.59	74.3	6.4
08/24/95	08:35	69	179.8	9.8	26.59	72.2	7.9
08/24/95	08:40	69.6	178.2	9.8	26.59	70.4	7.
08/24/95	08:45	70.2	181.1	10			
08/24/95	08:50	70.2	181.8		26.6	68.9	7.
08/24/95	08:55	70.9	189.2	9.3	26.6	67.7	9.1
08/24/95				10.7	26.6	66.2	7.
	09:00	72	190.1	12	26.6	64.6	7.4
08/24/95	09:05	72.4	194.2	12	26.6	63.7	6.9
08/24/95	09:10	73	194.9	12.8	26.6	62.5	8.
08/24/95	09:15	73.2	191.2	13.8	26.61	60.5	7.
08/24/95	09:20	73.5	196.9	13.9	26.61	59.9	
08/24/95	09:25	73.8	194.9	14.8	26.61	59.3	6.
08/24/95	09:30	74	196.2	14.6	26.61	58.3	6.
08/24/95	09:35	74.6	199.8	14	26.61	57.7	7.
08/24/95	09:40	75.4	193.9	13.9	26.61	56.3	
08/24/95	09:45	75.4	193	16	26.61	54.7	· 7.
08/24/95	09:50	76.1	198.9	15	26.61	54.6	` 10.
08/24/95	09:55	76.4	193.1	16.3	26.61	53.7	7.
08/24/95	10:00	76.8	193.1	16.1	26.61	52.7	8.
08/24/95	10:05	77.2	193	17.5	26.61	51.5	6.
08/24/95	10:10	77.7	190.1	16.8	26.61	50.3	8.
08/24/95	10:15	78.2	187.9	16.8	26.61	49.6	8.
08/24/95	10:20	78.1	198.2	16.1	26.61	49.7	11.
08/24/95	10:25	78.6	191.2	15.8	26.61	48.6	7.
08/24/95	10:30	78.8	188.8	17.1	26.61	47.6	7.
08/24/95	10:35	79.1	184.9	16.7	26.61	46.8	8.

SW Beef

Meteorological Data							
			WD	w\$			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/24/95	10:40	79.2	188.1	17.4	26.61	47.2	7.1
08/24/95	10:45	79.7	182.2	16.8	26.61	45.7	7
08/24/95	10:50	80	185.2	17.4	26.61	45.2	7
08/24/95	10:55	79.7	187.9	18.1	26.61	45	6.6
08/24/95	11:00	80.1	190.8	18.1	26.61	44.9	8.2
08/24/95	11:05	80.1	192.2	18.2	26.61	44.8	6.6
08/24/95	11:10	80.6	193.1	16.8	26.61	45.1	9.3
08/24/95	11:15	80.9	193	16.4	26.61	44.8	9.4
08/24/95	11:20	80.6	203.9	17.1	26.61	44.4	8.2
08/24/95	11:25	81.3	193	17.1	26.61	44.1	12.5
08/24/95	11:30	81.8	209	15.8	26.61	44.8	8.8
08/24/95	11:35	81.6	213.1	16	26.61	44.4	9.3
08/24/95	11:40	82.4	213.1	14.5	26.61	44.9	8.8
08/24/95	11:45	82.3	204.8	15.7	26.61	43.6	8.1
08/24/95	11:50	82.4	198.2	15.8	26.61	43.2	12.3
08/24/95	11:55	82.5	201.2	16.1	26.61	42.8	11.9
08/24/95	12:00	82.7	188.1	16.6	26.61	42.1	8.2
Run 13	12.00	02.7	100.1	10.0	20.01	72.1	
08/24/95	18:40	88.9	178.2	12	26.5	28.6	8.5
08/24/95	18:45	88.8	172.1	10.3	26.5	29	8.7
08/24/95			171.9	10.5		29.9	
	18:50	88.8			26.5 26.5		10.7
08/24/95	18:55	88.7	170.8	11.1		30.1	8.7
08/24/95	19:00	88.4	172.8	9.8	26.49	29.6	10.2
08/24/95	19:05	88.7	168.1	8.2	26.49	29.7	7.6
08/24/95	19:10	88.4	175.1	9.7	26.49	29.9	9.7
08/24/95	19:15	88.2	172.1	9.6	26.49	29.8	7.4
08/24/95	19:20	88.1	170.8	9.4	26.49	29.5	6.9
08/24/95	19:25	87.8	175.9	9.1	26.49	29.9	6.1
08/24/95	19:30	87.4	175	8.1	. 26.49	31	7.1
08/24/95	19:35	87.2	175	7.5	26.49	31.4	6.9
08/24/95	19:40	87	171.2	8.2	26.49	32.4	6.1
08/24/95	19:45	86.6	169.2	7.5	26.49	33.7	7.5
08/24/95	19:50	85.8	152.8	6.1	26.49	34.2	6.9
08/24/95	19:55	. 84.9	150.1	6.9	26.49	35.1	6.6
08/24/95	20:00	84.3	134.1	11.1	26.49	35.1	7.9
08/24/95	20:05	83.6	134.8	15.6	26.48	37.5	7
08/24/95	20:10	83	135	14.8	26.48	38.8	7.5
08/24/95	20:15	82.4	130.9	14.3	26.48	40.2	7.2
08/24/95	20:20	81.9	134.8	13.5	26.48	41.2	6.4
08/24/95	20:25	81.5	138.1	14.4	26.48	42	6.3
08/24/95	20:30	81.2	136.8	14.5	26.48	42.6	6.3
08/24/95	20:35	80.7	134.8	14.4	26.48	43.3	6
08/24/95	20:40	80.4	134.8	15.3	26.48	43.9	6.9
08/24/95	20:45	80.1	136.1	14.6	26.48	44.5	6.8
08/24/95	20:50	79.8	137.2	14.9	26.48	45.1	6.4
08/24/95	20:55	79.4	137.2	14.8	26.48	45.7	6.6
08/24/95	21:00	79.2	137.2	14.8	26.48	46.1	8.6
08/24/95	21:05	79	138.1	15.4	26.48	46.3	5.8
08/24/95	21:10	78.7	137.2	14.9	26.49	46.6	6.6
08/24/95	21:15	78.3	139.9	15.2	26.49	46.7	5.8
08/24/95	21:20	77.9	137.2	14.4	26.49	46.9	6.6
08/24/95	21:25	77.7	136.1	15.7	26.49	47.1	
08/24/95	21:30	77.4	136.8	14.9	26.49		5.8
						47.2	5.5
08/24/95	21:35	77	135	13.5	26.49	47.6	6.4
08/24/95	21:40	76.7	139	13.7	26.49	48.1	7.1
08/24/95 08/24/95	21:45	76.6	136.8	13.7	26.49	48.2	7
D87247UK	21:50	76.2	136.8	12.8	26.49	48.9	6.8

leteorological Data		-	WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/24/95	21:55	76	136.8	13.6	26.49	49.5	6.3
08/24/95	22:00	75.6	136.8	12.9	26.49	50.1	5.7
08/24/95	22:05	75.3	137.2	13.2	26.49	50.1	
		75.2		13.6	26.49	51.2	6.1
08/24/95	22:10		136.8				6.8
08/24/95	22:15	75	137.2	12.9	26.49	51.7	6
08/24/95	22:20	74.7	136.8	13	26.5	52.3	6
08/24/95	22:25	74.4	139	. 12.7	26.5	52.8	6.1
08/24/95	22:30	74.3	137.2	13	26.5	53.2	5.7
08/24/95	22:35	74.2	139.9	12.4	26.5	53.6	6.4
08/24/95	22:40	73.9	139.9	12.2	26.5	54.2	6.4
08/24/95	22:45	73.8	139.1	12.5	26.5	54.6	5.9
08/24/95	22:50	73.7	143.1	12.2	26.5	54.9	6.8
08/24/95	22:55	73.4	142	11.3	26.5	55.3	6.5
08/24/95	23:00	73.2	142	11.3	26.5	55.7	5.9
08/24/95	23:05	72.9	144.2	10.7	26.5	56.2	5.5
08/24/95	23:10	72.8	142.9	10.7	26.5	56.5	6.4
08/24/95	23:15	72.4	144.2	9.9	26.5	57.1	6.1
08/24/95	23:20	72.1	144.9	9.7	26.5	57.6	5.3
08/24/95	23:25	71.8	144.9	8.9	26.5	58.3	5.8
08/24/95	23:30	71.5	146.2	6.6	26.5	58.9	6.8
08/24/95	23:35	71.5	148.9	9.7	26.5	59.1	5
08/24/95	23:40	71.3	150.1	9.9	26.5	59.2	6.3
08/24/95	23:45	71.3	149	10.2	26.5	59.2	6
08/24/95	23:50	71	148.9	9.5	26.5	59.6	6
08/24/95	23:55	70.8	150.8	9.4	26.5	59.8	5.8
08/25/95	00:00	70.6	150.1	9.3	26.5	60.1	6.1
08/25/95	00:05	70.3	150.1	8.5	26.5	60.6	5.3
08/25/95	00:10	70.5	152.1	9	26.5	60.4	6.5
08/25/95	00:15	70.4	148.1	8.6	26.5	60.7	5.5
08/25/95	00:20	70.5	150.8	8.9	26.5	60.7	5.3
08/25/95	00:25	70.4	152.8	8.9	26.5		
08/25/95	00:30	70.4				60.7	4.8
08/25/95			150.1	7.7	26.5	61.2	. 5
08/25/95	00:35	69.6	152.1	7.4	26.5	62.1	5.8
	00:40	69.2	151.9	6.2	26.5	63-	4.9
08/25/95	00:45	68.6	150.8	5.5	26.51	64.3	4.8
08/25/95	00:50	68	149.9	5.6	26.51	65.7	4.7
08/25/95	00:55	67.8	150.1	6.1	26.5	66.4	4.4
08/25/95	01:00	67.5	146.2	6.2	26.5	67.1	5.5
08/25/95	01:05	67.2	146.2	6	26.5	67.9	4.9
08/25/95	01:10	66.9	146.2	5.6	26.5	68.6	4.4
08/25/95	01:15	66.5	143.1	5.5	26.5	69.4	4.6
08/25/95	01:20	66.2	132.1	5.6	26.5	70.1	13.2
08/25/95	01:25	66.6	151	5.8	26.5	69.8	6.3
08/25/95	01:30	66.3	141.8	5.8	26.5	70.1	7
08/25/95	01:35	65.5	139.9	4.5	26.5	71	8
00/05/06	01:40	65.3	143.8	5.2	26.5	72	4.3
08/25/95			464.0	5.4	26.5	72.4	4.7
08/25/95 08/25/95	01:45	65.4	151.9	J ,	20.5		
	01:45 01:50	65.4 65.6	151.9	5.8	26.5	72.5	4.7
08/25/95		·	·· · · · · · · · · · · · · · · · · · ·				
08/25/95 08/25/95	01:50	65.6	148	5.8	26.5 26.5	72.5 73.2	4.6
08/25/95 08/25/95 08/25/95	01:50 01:55	65.6 65.2	148 142	5.8 5.8 6.1	26.5 26.5 26.5	72.5 73.2 73.8	4.6 4.7
08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00	65.6 65.2 65.1	148 142 154.8 150.1	5.8 5.8 6.1 6.2	26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8	4.6 4.7 5.7
08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00 02:05 02:10	65.6 65.2 65.1 65.3 64.8	148 142 154.8 150.1 145.1	5.8 5.8 6.1 6.2 5.9	26.5 26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8 74.6	4.6 4.7 5.7 5.3
08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00 02:05 02:10 02:15	65.6 65.2 65.1 65.3 64.8 65	148 142 154.8 150.1 145.1 144.2	5.8 5.8 6.1 6.2 5.9 5.8	26.5 26.5 26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8 74.6 75	4.7 5.7 5.3 7.6
08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00 02:05 02:10 02:15 02:20	65.6 65.2 65.1 65.3 64.8 65 64.8	148 142 154.8 150.1 145.1 144.2 137.2	5.8 5.8 6.1 6.2 5.9 5.8 6.4	26.5 26.5 26.5 26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8 74.6 75 75.3	4.6 4.7 5.7 5.3 7.6 10.4
08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00 02:05 02:10 02:15 02:20 02:25	65.6 65.2 65.1 65.3 64.8 65 64.8 65	148 142 154.8 150.1 145.1 144.2 137.2 153.2	5.8 5.8 6.1 6.2 5.9 5.8 6.4 6.9	26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8 74.6 75 75.3 74.1	4.6 4.7 5.7 5.3 7.6 10.4 5.9
08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95 08/25/95	01:50 01:55 02:00 02:05 02:10 02:15 02:20	65.6 65.2 65.1 65.3 64.8 65 64.8	148 142 154.8 150.1 145.1 144.2 137.2	5.8 5.8 6.1 6.2 5.9 5.8 6.4	26.5 26.5 26.5 26.5 26.5 26.5 26.5	72.5 73.2 73.8 73.8 74.6 75 75.3	4.6 4.7

Meteorological Data]
			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/25/95	02:40	65.2	148.1	6.2	26.5	74.5	5.5
08/25/95	02:45	65.4	145.1	6.5	26.49	74.5	4.9
08/25/95	02:50	64.8	141.8	5.9	26.5	74.9	4.2
08/25/95	02:55	64.9	147.1	6.3	26.5	75.1	4.9
08/25/95	03:00	64.6	140	6.5	26.5	75.2	6
08/25/95	03:05	64.7	144.2	7.2	26.49	75.4	5.4
08/25/95	03:10	64.8	149.9	7.4	26.49	75.2	5.7
08/25/95	03:15	64.8	149.9	7	26.49	75	5.2
08/25/95	03:20	64.5	150.8	6.8	26.49	75.3	5.8
08/25/95	03:25	64.4	148.1	6.7	26.49	75.5	5.5
08/25/95	03:30	64.2	150.1	6.3	26.49	75.6	5.4
08/25/95	03:35	64.4	149	6.2	26.49	75.4	5.7
08/25/95	03:40	64.4	144.2	5.9	26.49	75.8	5
08/25/95	03:45	64	146.2	5.8	26.49	76.7	6.9
08/25/95	03:50	64	145.8	6.1	26.49	77.1	6
08/25/95	03:55	63.9	152.1	5.6	26.49	77.2	4.7
08/25/95	04:00	63.5	149	5.2	26.49	77.9	4.7
08/25/95	04:05	63.1	149.9	4.7	26.49	79	4.3
08/25/95	04:10	63.2	157.1	5.1	26.49	79.9	5.7
08/25/95	04:15	63.4	148.1	5.3	26.49	79.5	4.1
08/25/95	04:20	63.2	148.9	5.3	26.49	80	3.9
08/25/95	04:25	63.1	147.1	5.3	26.49	80.6	3.8_
08/25/95	04:30	63.2	149	5.5	26.49	81	4.7
08/25/95	04:35	63.9	153.9	6.8	26.49	79.7	6.3
08/25/95	04:40	64.7	153.2	6.8	26.49	77.1	6.6
08/25/95	04:45	65.3	160.9	8.1	26.49	75.1	7.2
08/25/95	04:50	66.8	166.1	9.6	26.49	72.1	5.4
08/25/95	04:55	67.3	165.1	9	26.49	69.4	6.5
08/25/95	05:00	67.4	166	8.9	26.49	68.3	4.2
08/25/95	05:05	67.2	167	8.6	26.49	67.9	6.4
08/25/95	05:10	66.9	171.9	9.3	26.49	67.5	5.8_
08/25/95	05:15	66.9	171.2	10	26.49	67	5.5
08/25/95	05:20	66.8	173.2	9.3	26.49	66.9	7.2
08/25/95	05:25	66.4	177.1	8.4	26.49	67.1	6.9
08/25/95	05:30	66.4	175.1	8.6	26.49	67.5	7.1
08/25/95	05:35	66.5	172.8	9.6	26.49	67.2	6.8
08/25/95	05:40	66.6	172.1	10.1	26.49	66.5	5.3
08/25/95	05:45	66.4	174.1	9.2	26.49	66.7	6.6
08/25/95	05:50	66.1	182	9.2	26.49	66.6	6.3
08/25/95	05:55	65.8	183.1	8.4	26.49	67.6	6.3
08/25/95	06:00	65.3	177.8	8.3	26.49	68.9	5.7
08/25/95	06:05	65	177.1	7.5	26.49	70.7	6.6
08/25/95	06:10	64.9	182.2	8.4	26.49	69.7	5.2
08/25/95	06:15	64.8	182.9	7.8	26.49	70.9	5.9
08/25/95	06:20	65.2	186.8	8.4	26.49	71.5	6
08/25/95	06:25	65.4	188.1	8.4	26.49	71.2	6.1
08/25/95	06:30	65.1	186.8	8.5	26.49	71.5	6.5
08/25/95	06:35	65.1	182.9	9.2	26.49	70.6	5.9
08/25/95	06:40	65.5	184.1	9.7	26.49	69.7	5.9
08/25/95	06:45	66.1	183.1	9.9	26.49	68.5	7
08/25/95	06:50	66.4	187.2	9.3	26.49	69	6.3
08/25/95	06:55	66.3	186.8	9.6	26.49	68.8	5.8
08/25/95	07:00	66.2	182.9	9.8	26.49	68	6
08/25/95	07:05	66.2	179.8	9.5	26.5	67.5	6.6
08/25/95	07:10	66.3	185.2	8.8	26.5	68.2	7.2
08/25/95	07:15	65.8	192.2	8.6	26.5	69.9	7
08/25/95	07:20	6 5	188.8	8.4	26.5	70.8	5.7

SW Beef

Meteorological Data							
			WD	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp(F)	(deg)	(mph)	(in Hg)	(%)	Theta
08/25/95	07:25	64.5	180.9	8.6	26.5	70.7	6.9
08/25/95	07:30	64.5	172.8	9	26.5	71.7	6.3
08/25/95	07:35	64.9	166.1	9.1	26.5	71.4	6.5
08/25/95	07:40	64.8	159.1	8.2	26.5	70.3	4.8
08/25/95	07:45	64.7	157.9	7.3	26.5	70.6	6.1
08/25/95	07:50	64.8	161.8	7	26.5	71.4	5.9
08/25/95	07:55	65.5	171.2	8.8	26.5	70.9	6.1
08/25/95	08:00	66.2	175.1	8.4	26.5	69.4	7
08/25/95	08:05	67	178.9	8.6	26.51	66.6	7.7
08/25/95	08:10	68	178.2	8.8	26.51	64.8	8.2
08/25/95	08:15	68.5	170.8	8.7	26.51	64.2	5.9
08/25/95	08:20	68.9	175.1	9.1	26.51	62.6	7.1
08/25/95	08:25	69.4	175.1	9	26.52	61.2	8.1
08/25/95	08:30	69.7	179.8	9.2	26.52	60	7
08/25/95	08:35	70.2	176	8.7	26.52	59.8	7.9
08/25/95	08:40	70.7	175.9	9.4	26.52	59	7.5
08/25/95	08:45	71.2	176.2	9.5	26.52	59.1	7.7
08/25/95	08:50	71.6	182	10.9	26.52	58	9.2
08/25/95	08:55	72.2	184.1	12	26.52	58.3	6.5
08/25/95	09:00	72.8	184	12.2	26.53	58.1	7.1

Meteorological Data							
			WD	ws			
			Scalar	Scalar	B₽	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
Run 14							
08/28/95	21:05	80	135	12	27.08	47.5	5.9
08/28/95	21:10	79.5	135	11.6	27.08	48.3	5.9
08/28/95	21:15	79.7	136.8	13.5	27.08	48.5	5.5
08/28/95	21:20	80.2	137.2	15.3	27.08	48.2	6.6
08/28/95	21:25	80.5	139.9	16.2	27.08	48.1	5.7
08/28/95	21:30	80.4	137.2	16.2	27.08	47.7	5.8
08/28/95	21:35	80.7	138.1	16.7	27.08	47.2	6
08/28/95	21:40	80.9	137.2	16.9	27.08	46.3	5.7
08/28/95	21:45	81	139	17.7	27.08	45.5	5.9
08/28/95	21:50	81.1	140	18.2	27.08	44.9	6.8
08/28/95	21:55	81.3	142	18.7	27.08	44.3	7.7
08/28/95	22:00	81.2	141.1	18.1	27.08	43.9	7.1
08/28/95	22:05	81.1 80.9	142 141.1	18.3 17.7	27.08 27.09	43.7	7.2
08/28/95	22:10		141.1	17.7	27.09	43.8	6.9
08/28/95 08/28/95	22:15	80.8 80.6	143.8	18.1	27.08	43.8	6.6 6.8
08/28/95	22:20 22:25	80.6	145.8	17.8	27.09	44.1	6.9
08/28/95	22:25	80.4	145.8	18.1	27.09	44.1	7.2
08/28/95	22:30	80.1	145.6	18.2	27.09	44.5	8.3
08/28/95	22:40	79.9	144.2	18.1	27.09	44.4	6.6
Run 15	22.40	75.5	177.2		27.00	77.7	0.0
08/29/95	09:45	78.4	170.1	19	27.09	52.9	10.1
08/29/95	09:50	78.7	169.9	20.9	27.09	52.2	9
08/29/95	09:55	79	170.1	20.2	27.09	52.4	10.4
08/29/95	10:00	79.5	171.2	20.3	27.09	51.7	
08/29/95	10:05	80	171.2	19.6	27.09	51.3	10.7
08/29/95	10:10	80.5	171.2	19.9	27.09	49.8	11.8
08/29/95	10:15	81.1	172.8	20.3	27.09	48.1	10.2
08/29/95	10:20	81.6	172.1	18.7	27.09	48	10.4
08/29/95	10:25	82	173.2	19.4	27.09	47	10.4
08/29/95	10:30	82.3	174.1	18.6	27.09	47.3	10.8
08/29/95	10:35	82.9	174.1	19.3	27.09	46.1	10.3
08/29/95	10:40	83.5	174.1	18.6	27.09	45	11.3
08/29/95	10:45	84.1	179.1	17.5	27.1	44.9	10.8
08/29/95	10:50	84.5	179.1	18.4	27.1	44	9.9
08/29/95	10:55	84.8	177.1	19.2	27.1	43.3	10.7
08/29/95	11:00	85.4	178.2	18.7	27.1	42.9	10.7
08/29/95	11.05	85.9	182.9	21.4	27.1	41.6	11.5
08/29/95	11:10	86.4	180.2	19.7	27.1	41.8	8.7
08/29/95	11:15	86.9	180.9	21.1	27.1	40.1	10.7
08/29/95	11:20	87.3	188.1	21.7	27.1	39.3	9.3
08/29/95	11:25	87.7	181.1	18.8	27.1	39.6	11.4
08/29/95	11.00	88	181.8	20.7	27.1	38.8	9.8
08/29/95	11:35	88.3	180.9	19.3	27.1	38.6	10.3
08/29/95	11:40	88.8	189.2	21.3	27.09	37.2	9.1
Downwind Data		 				<u> </u>	
Run 16	00.15		1555			<u> </u>	
08/29/95	22:15	81.6	188.8	13.3	27.03	52.5	9.7
08/29/95	22:20	81.9	181.8	13.9	27.03	52.1	7.5
08/29/95	22:25	82.2	175.1	13.4	27.03	52	8.3
08/29/95	22:30	82.7	177.1	14.3	27.03	50.7	7.2
08/29/95 08/29/95	22:35	82.4	171.2	13.1	27.03	51.2	8.3
_ _	22:40	82.5	168.1	13.3	27.03	51	8.8
08/29/95 08/29/95	22:45 22:50	82.4 82.3	160.2 158	13.2	27.03	51.1	6.3
08/29/95	22:50	82.3	159.8	14.3	27.03	51.5	6.4
00123133	دد.ع۵	02.2	139.0	14.8	27.03	51.1	6.6

eorological Data			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/29/95	23:00	82	161.8	14.9	27.03	51.2	27.6
08/29/95	23:05	81.3	163.8	13.9	27.03	52.4	6.9
08/29/95	23:10	80.5	163.1	12.7	27.03	53.9	6.3
08/29/95	23:15	80.2	161.1	12.1	27.03	54.8	6.5
	23:20	80.3	163.1	12.5	27.03	54.7	7.1
08/29/95 08/29/95	23:25	80.4	162.9	13.1	27.03	54.1	7.2
			162.9		27.03	53.9	
08/29/95	23:30	80.4		13.8			
08/29/95	23:35	80.7	162.9	14.4	27.03	53.2	7.9
08/29/95	23:40	80.5	163.8	14.1	27.03	53.6	
08/29/95	23:45	80.3	164.2	14.9	27.03	53.6	7.2
08/29/95	23:50	80.1	163.8	14.7	27.03	53.9	6.9
08/29/95	23:55	79.8	164.2	14.8	27.03	54.2	6.8
08/29/95	00:00	79.6	163.1	15.5	27.03	54.3	6.9
08/30/95	00:05	79.4	164.9	15	27.03	55	6.
08/30/95	00:10	79.2	164.2	15.2	27.03	54.6	7.9
08/30/95	00:15	79.1	163.8	15.3	27.03	54.6	6.4
08/30/95	00:20	79.3	165.1	14.7	27.03	54.4	7.3
08/30/95	00:25	79.1	166.1	14.9	27.03	54.4	7.
08/30/95	00:30	79.1	166.1	15.4	27.03	54.3	7.
08/30/95	00:35	79.i	164.9	15.7	27.03	54	7.
08/30/95	00:40	79	167	14.5	27.03	54.3	
08/30/95	00:45	79	167.9	14.9	27.03	54.1	7.
08/30/95	00:50	78.9	169.2	14.6	27.03	55	7.
08/30/95	00:55	79	167	15	27.03	54.7	
08/30/95	01:00	78.9	167	14.5	27.03	54.3	7.
08/30/95	01:05	78.6	174.1	13.7	27.03	55.1	8.
08/30/95	01:10	78.5	175	13.8	27.03	55.8	7.
08/30/95	01:15	78.2	175	13.7	27.03	56.2	7.
08/30/95	01:20	78.2	176.2	15.2	27.03	56.3	7.
08/30/95	01:25	78.2	177.1	14.7	27.03	56.1	6.
08/30/95	01:30	78.3	179.1	15.6	27.03	56.3	7.
08/30/95	01:35	78.4	179.1	16.1	27.03	55.7	7.
08/30/95	01:40	78.3	179.1	16.1	27.03	55.8	7.
08/30/95	01:45	78.2	⁻ 179.8	15.6	27.03	56.1	7.
08/30/95	01:50	78	182.2	15.2	27.03	56.7	6.
08/30/95	01:55	77.9	183.1	15.5	27.03	57.1	6.
08/30/95	02:00	77.9	181.1	15.4	27.03	57.2	8.
08/30/95	02:05	77,7	182.2	14.8	27.03	57.8	7.
08/30/95	02:10	77.5	182.9	14.4	27.03	58.1	6.
08/30/95	02:15	77.3	185.2	14.3	27.03	59	7.
08/30/95	02:20	77	185.9	13.6	27.03	59.6	6
08/30/95	02:25	77	184.9	13.7	27.02	60.4	6
08/30/95	02:30	76.8	187.2	12.6	27.02	60.9	7
08/30/95	02:35	76.5	187.2	13	27.02	61.1	
08/30/95	02:40	76.2	187.2	12.2	27.02	61.8	7
08/30/95	02:45	75.9	187.2	11.7	27.02	62.6	7
08/30/95	02:50	75.7	184	12.3	27.02	63	
08/30/95	02:55	75.7	185.9	12.3	27.02	63.3	7
08/30/95	03:00	75.7	187.2	14	27.02	62.9	7
			185.9				
08/30/95	03:05	76		13.7	27.01	62.9	6
08/30/95	03:10	76	185.9	14	27.01	63.1	7
08/30/95	03:15	76	184.9	14.3	27.01	62.8	5
08/30/95	03:20	76.1	184.1	14.2	27.01	62.9	7
08/30/95	03:25	76.1	183.1	14.6	27.01	62.7	6
08/30/95	03:30	76.1	180.9	14.4	27.01	62.9	7
08/30/95	03:35	76.3	180.9	15.2	27.01	62.5	7
08/30/95	03:40	76.4	182.9	16.1	27.01	62.1	7.

eteorological Data			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Data -	Time	T(5)			(in Hg)	(%)	Theta
Date	Time	Temp (F)	(Deg) 182	(mph) 15.2	27.01	62.4	7.2
08/30/95	03:45	76.3			27.01	62.1	
08/30/95	03:50	76.1	181.1	15.7		62.8	7.5
08/30/95	03:55	75.8	179.1	15.3	27.01		7.1
08/30/95	04:00	75.6	179.1	15.3	27	63.1	7.1
08/30/95	04:05	75.4	179.1	14.8	27	63.3	8
08/30/95	04:10	75.2	178.9	14.1	27	64	7.7
08/30/95	04:15	74.9	178.9	14.7	27	64.2	6.6
08/30/95	04:20	74.7	175.1	15	27	64.9	8.7
08/30/95	04:25	74.4	175	15.3	27	65.1	8.
08/30/95	04:30	74.2	173.2	15.3	27	65.6	6.9
08/30/95	04:35	74	178.9	15.2	27	65.8	6.6
08/30/95	04:40	74	179.1	16.2	27	66.2	7.0
08/30/95	04:45	74	179.8	16.5	27	66.3	8.2
08/30/95	04:50	74.1	181.1	15.9	27	66	7.
08/30/95	04:55	74	182.9	16.8	27	65.6	7.5
08/30/95	05:00	73.9	184.9	15.8	27	66.5	8.
08/30/95	05:05	73.7	182.9	15.3	27	66.9	7.
08/30/95	05:10	73.7	184.1	16.1	26.99	66.6	6.
08/30/95	05:15	73.8	184	16.2	26.99	66.5	6.
08/30/95	05:20	73.9	184.9	15.6	27	66.4	6.
08/30/95	05:25	73.9	187.2	16.2	27	65.6	6.
08/30/95	05:30	73.7	186.8	14.7	27	65.9	7.
08/30/95	05:35	73.6	188.1	13.8	27	66.6	7.
08/30/95	05:40	73.6	187.2	15.2	27	66.4	6.
08/30/95	05:45	73.6	185.2	15.7	27	66.7	6.
08/30/95	05:50	73.5	185.2	15.7	27	66.3	
08/30/95	05:55	73.3	184	15.1	27	66.8	6.
08/30/95	06:00	73.3	184	15.1	27	67.4	7.
08/30/95	06:05	72.8	184.1	15.5	27	68.2	6.
08/30/95	06:03		182.9	15.5	27	68.3	
		72.7			27	69	6.
08/30/95	06:15	72.4	179.1	14.4	27		7,
08/30/95	06:20	72	179.8	14.8		68.9	6.
08/30/95	06:25	71.8	179.1	14.3	27	69.9	7.
08/30/95	06:30	71.5	179.1	13.6	27	70.2	7.
08/30/95	06:35	71.4	181.1	14	27	71	7.
08/30/95	06:40	71.2	179.1	13.7	27	71.6	7.
08/30/95	06:45	70.9	181.1	12.5	27	72.4	7.
08/30/95	06:50	70.7	178.9	13.1	27	72.5	
08/30/95	06:55	70.3	178	13.5	27	73.2	<u> </u>
08/30/95	07:00	70.1	177.1	13.7	27	73.9	6.
08/30/95	07:05	70.1	176.2	13.8	27	74.5	8.
08/30/95	07:10	70	176.2	14.5	27	74.4	6
08/30/95	07:15	70	175.1	15.1	27	74.3	
08/30/95	07:20	70	174.1	14.6	27	75.3	7.
08/30/95	07:25	69.9	174.1	14.5	27	75	8
08/30/95	07:30	69.9	171.2	15.3	27	74.3	7.
08/30/95	07:35	69.9	175.1	15.1	27	73.9	7.
08/30/95	07:40	69.7	176.9	14.6	27	. 74.7	8.
08/30/95	07:45	69.8	175.1	14.9	27	74.8	
08/30/95	07:50	69.9	177.1	14.6	27	74.3	7
08/30/95	07:55	70	179.1	14.8	27	73.4	7
08/30/95	08:00	70.2	181.1	14.3	27	73.6	7
08/30/95	08:05	70.4	177.8	13.3	27.01	73.3	8
	08:10	70.7	183.1	13.3	27.01	71.6	7
08/30/95			100.1	ا ن.ن	27.01	11.0	, ,
08/30/95				107		60.7	0
08/30/95 08/30/95 08/30/95	08:15 08:20	71 71.5	183.1 184	12.7 11.8	27.01 27.01	69.7 67.3	8.

Midwest Beef

eorological Data			14/15	14/0			
			WD	WS	BP	RH	Ciamo
		T (C)	Scalar	Scalar			Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/30/95	08:30	72.1	188.8	12.6	27.02	64.9	7.9
08/30/95	08:35	72.2	185.9	12.5	27.02	65.2	7.2
08/30/95	08:40	72.6	185.2	13.3	27.02	64.5	7.9
08/30/95	08:45	73.2	186.1	13.2	27.02	62.6	8
08/30/95	08:50	73.7	187.9	13.4	27.02	61.4	7.1
08/30/95	08:55	74.1	190.1	12.6	27.02	59.8	8.1
08/30/95	09:00	74.5	189.2	12.8	27.02	59.4	7.5
08/30/95	09:05	74.8	190.1	13.6	27.02	58.6	7
08/30/95	09:10	75.3	191.2	13.4	27.02	57.7	8.2
08/30/95	09:15	75.7	193	13.3	27.02	56	8
08/30/95	09:20	76.1	191.2	13.1	27.02	56.2	8.2
08/30/95	09:25	76.4	191.9	12.6	27.02	55.3	8.2
08/30/95	09:30	77	195.1	12.6	27.02	53.9	7.6
08/30/95	09:35	77.3	196.9	12.7	27.03	52.2	8.6
08/30/95	09:40	77.8	195.8	11.4	27.03	51.9	7.9
08/30/95	09:45	78.2	194.9	12.2	27.03	51	8.8
08/30/95	09:50	78.8	193	11	27.03	50.9	9.3
08/30/95	09:55	79.3	206.8	10.8	27.03	48.3	16.2
08/30/95	10:00	79.3	214.9	11.8	27.04	46.9	7.9
08/30/95	10:05	79.3	206.1	10.7	27.04	48.4	11.7
08/30/95	10:10	79.5	199.1	11.3	27.04	48.6	10.4
08/30/95	10:15	79.9	202	11.9	27.04	47.4	10.6
08/30/95	10:20	80.3	206.1	11.7	27.04	46.1	12.1
08/30/95	10:25	80.4	202.9	12.2	27.04	46.7	10.7
08/30/95	10:30	80.7	205.2	12.7	27.04	45.2	12
08/30/95	10:35	81.1	205.2	11.1	27.04	45.8	11.2
08/30/95	10:40	81.7	203.9	12.1	27.04	45.1	12.3
08/30/95	10:45	81.6	197.8	12.2	27.04	45.7	11.5
08/30/95	10:50	82.3	199.8	10.7	27.04	45.7	11.7
08/30/95	10:55	82.7	204.8	10.4	27.04	44.6	11
08/30/95	11:00	82.7	202.1	12.7	27.04	43.2	12.1
08/30/95	11:05	82.5	197.1	12.9	27.04	43.8	8.6
08/30/95	11:10	82.9	197.8	12.3	27.05	44	9.4
08/30/95	11:15	- 83.5	207.2	11.5	27.05	42.3	12.9
08/30/95	11:20	83.7	209.2	12.1	27.05	41.1	13
08/30/95	11:25	83.9	207.9	11.3	27.05	41.1	11.3
08/30/95	11:30	84.1	204.1	11.4	27.05	41.9	12.5
08/30/95	11:35	84.7	203.2	11.1	27.05	42.1	10.9
08/30/95	11:40	. 84.7	195.1	12.5	27.05	41.4	9.3
08/30/95	11:45	84.7	193.9	12.6	27.05	42.2	9.9
08/30/95	11:50	85.5	195.1	11.3	27.06	41.8	10.3
08/30/95	11:55	85.9	196.9	11.5	27.06	40.6	10.8
08/30/95	12:00	86.1	194.2	12	27.06	41.6	11
08/30/95	12:05	86.9	198.9	11.1	27.06	40.4	14.7
08/30/95	12:10	87.7	210.2	10.1	27.06	38.3	12.5
08/30/95	12:15	87.5	190.8	11.1	- 27.06	39.4	11.5
08/30/95	12:20	87.5	188.8	10.8	27.06	40.1	10.3
08/30/95	12:25	87.7	190.1	10	27.06	38.7	8.7
08/30/95	12:30	88.3	193.1	9.2	27.06	38.1	9.1
08/30/95	12:35	89.2	203.2	8.3	27.06	36.5	19
08/30/95	12:40	89.8	205.9	8	27.06	35.6	13.4
08/30/95	12:45	89.9	203.9	8.8	27.06	35.2	15.7
08/30/95	12:50	90.2	196.2	10.6	27.06	35.8	11.7
08/30/95	12:55	89.9	184.9	10.4	27.06	36.5	13.2
08/30/95	13:00	90.4	193	10.7	27.06	36.3	10.1
08/30/95	13:05	91.7	206.1	9	27.06	35.3	14.2
08/30/95	13:10	91.5	209.2	10	27.06	34.2	20.5

teorological Data			WD	ws			
				Scalar	BP	RH	Ciama
Date	Time	Town (F)	Scalar				Sigma
	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/30/95	13:15	92.2	204.1	9.4	27.06	34.7	17.9
08/30/95	13:20	92.3	215.8	9.2	27.06	32.4	16.5
08/30/95	13:25	92.6	200.9	10.1	27.06	33.6	14.3
08/30/95	13:30	93	210.2	11.1	27.06	32.9	13.7
08/30/95	13:35	92.9	201.2	10.3	27.06	33.4	10.8
08/30/95	13:40	93.7	206.1	10.2	27.06	33	16.5
08/30/95	13:45	93.8	207.2	12.4	27.05	31.9	11.3
08/30/95	13:50	93.7	190.1	10	27.05	34.8	9.1
08/30/95	13:55	93.8	195.1	11.4	27.05	34.7	11.5
08/30/95	14:00	94.8	208.8	8.4	27.05	32.6	13.4
08/30/95	14:05	94.8	221.2	8.7	27.05	30.8	16.1
08/30/95	14:10	95.1	217.3	8.8	27.05	31.2	17
08/30/95	14:15	95.2	217.3	10.9	27.05	31.4	13.5
08/30/95	14:20	95.3	218.2	11	27.05	30.4	14.3
08/30/95	14:25	95.7	205.2	12.5	27.04	30.9	13.1
08/30/95	14:30	95.3	208.8	11.3	27.04	32.6	14.7
08/30/95	14:35	95.9	211.9	11.7	27.04	31.7	14.5
08/30/95	14:40	95.2	211.1	11.9	27.04	32.8	12.9
08/30/95	14:45	95.6	207.2	12	27.04	32.2	13.1
08/30/95	14:50	95.9	200.2	12.2	27.04	32.3	12.3
08/30/95	14:55	96.1	206.1	11	27.03	32.6	13.1
08/30/95	15:00	96.9	203.9	12.6	27.03	31.2	17.5
08/30/95	15:05	97.2	207.2	12	27.03	30.5	12.4
Run 17							
08/30/95	17:25	100	197.8	7.9	27	25.5	13.5
08/30/95	17:30	99.2	218.2	5.8	27	25.6	16.4
08/30/95	17:35	98.8	220.1	6.1	27	26.4	15.2
08/30/95	17:40	98.6	208.8	5.3	27	27.8	21.3
08/30/95	17:45	98.4	190.1	5.1	27	30.4	11.4
08/30/95	17:50	97.8	178.9	5.1	27	32.8	6.8
08/30/95	17:55	97.2	185.2	6.1	27	34.2	5.4
08/30/95	18:00	96.8	187.2	5.2	27	35.7	14.2
08/30/95	18:05	96.7	183.1	4.5	26.99	36.9	8
08/30/95	18:10	96	151	5.2	26.99	39.4	8.8
08/30/95	18:15	94.9	149.9	6.2	26.99	40.6	
08/30/95	18:20	95	144.2	5.6			8.5
08/30/95					26.99	43	4.3
08/30/95	18:25	94.4	145.8	4.7	26.99	45.2	4.8
	18:30	94.4	162.2	5.6	26.98	43	11
08/30/95	18:35	94.2	169.9	4.8	26.98	43.2	7.4
08/30/95	18:40	93.2	175.1	3.9	26.98	46.3	9.7
08/30/95	18:45	93.6	178.9	4.5	26.98	44	9.1
08/30/95	18:50	93.5	164.2	5.1	26.98	44.7	. 8
08/30/95	18:55	93.7	166.9	4.8	26.98	44.8	12.3
08/30/95	19:00	93.6	130.1	6.6	26.98	46.5	5.5
08/30/95	19:05	90.7	127.1	15.2	26.98	42.7	6.5
08/30/95	19:10	89.8	139.9	16.1	26.99	42.8	6.9
08/30/95	19:15	89.1	139.9	13.5	26.99	44.2	6.4
08/30/95	19:20	88.1	143.1	16.2	26.99	44.7	8.3
08/30/95	19:25	87.1	145.8	17.8	26.99	46.1	6.8
08/30/95	19:30	86.4	146.9	17	26.99	47.5	8.5
	19:35	85.8	145.8	16.5	26.99	48.4	6.4
08/30/95	40.40	85.5	148	15.1	26.99	49.2	6.1
08/30/95 08/30/95	19:40						
	19:40	85.3	152.8	15.6	26.99	48.4	7.7
08/30/95			152.8 162.9	15.6	26.99 27		
08/30/95 08/30/95	19:45	85.3	162.9	14	27	48.4	8.6
08/30/95 08/30/95 08/30/95	19:45 19:50	85.3 85					

teorological Data			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/30/95	20:10	83.9	172.1	15.1	26.99	51.2	8.7
	20:15	84.1	166.1	14.2	26.99	51.1	7.2
08/30/95							
08/30/95	20:20	83.9	172.1	13.8	26.99	51	8.0
08/30/95	20:25	84	181.1	14	26.99	49.9	7.
08/30/95	20:30	83.6	174.1	12.6	26.99	51.3	7.
08/30/95	20:35	83.3	182.2	12.1	27	51.6	
08/30/95	20:40	83.2	191.2	9.4	27	51.3	
08/30/95	20:45	83	191.2	8	27	52.2	9.
08/30/95	20:50	82.6	197.8	7.1	27.01	52.5	8.
08/30/95	20:55	82.4	199.8	5.5	27.01	52.5	10.
08/30/95	21:00	82.3	203.9	5.5	27.01	52	9.
08/30/95	21:05	81.4	302.2	4.4	27.02	52.7	24.
08/30/95	21:10	80.6	294.8	3.2	27.03	54.2	27.
08/30/95	21:15	81.4	222.8	4.3	27.03	53.2	17.
08/30/95	21:20	81.2	202	6.5	27.03	55.4	14.
08/30/95	21:25	81.3	183.1	7.8	27.03	57.6	13.
08/30/95	21:30	80.6	142	8.4	27.03	60.6	8.
08/30/95	21:35	79.9	157.9	7.4	27.03	61.1	7.
08/30/95	21:40	80.8	165.1	8.9	27.03	59.4	7.
08/30/95	21:45	80.9	151.9	6	27.03	50.8	7.
08/30/95	21:50	79.4	137.2	7.7	27.03	62.7	6.
08/30/95	21:55	78.8	148	8	27.03	63.7	8.
08/30/95	22:00	79	142.9	9.4	27.03	64.4	13.
08/30/95	22:05	79.3		9.1		63.8	9.
			157.1		27.03		
08/30/95	22:10	80	155.2	10.1	27.03	62	7.
08/30/95	22:15	79	140.9	10.3	27.03	63	6.
08/30/95	22:20	. 78.9	. 149	9.3	27.03	63.4	6.
08/30/95	22:25	78.3	122.9	8.1	27.04	64.8	10.
08/30/95	22:30	76.9	107.8	9.9	27.05	66.4	5
08/30/95	22:35	77	103	14.1	27.06	65.8	6
08/30/95	22:40	78.4	103.9	16.3	27.06	63.9	7.
08/30/95	22:45	78.9	117	14.8	27.06	64.5	
08/30/95	22:50	79	119	15:6	27.06	63.9	5
08/30/95	22:55	79.6	122	16.9	27.06	62.6	5
08/30/95	23:00	79.8	123.1	16.5	27.06	62.2	7
08/30/95	23:05	79.7	126.9	15.3	27.07	62.1	
08/30/95	23:10	79.6	131	15.8	27.07	62.1	6
08/30/95	23:15	79.3	136.8	16.4	27.07	63.2	6
08/30/95	23:20	78.9	134.8	16.5	27.07	63.4	5
08/30/95	23:25	78.6	130	15.1	27.08	65	5
08/30/95	23:30	78.3	123.1	15.5	27.08	65.1	6
08/30/95	23:35	77.9	130	13.7	27.07	66.3	- 6
08/30/95	23:40	77.2	135.9	13.8	27.07	67.7	6
08/30/95	23:45	76.9	136.1	14.3	27.08	68.5	5
08/30/95	23:50	76.8	133.9	14.1	27.07	69.4	- 6
08/30/95	23:55	77	135.9	15.8	27.07	69.1	6
08/30/95	00:00	77.4	140.9	17.2	27.07	67.8	5
08/31/95	00:05	77.5	141.1	17.5	27.07	67.2	6
08/31/95	00:10	77.6	142	17.8	27.07	66.8	- 5
08/31/95	00:15	77,9	144	18.5	27.08	65.9	5
08/31/95	00:20	77.9	146.2	18.9	27.08	66.2	6
08/31/95	00:25	77.9	146.2	20.8	27.08	66.2	5
08/31/95	00:30			 -			
		77.6	144.9	21.3	27.08	67.2	6
08/31/95	00:35	77.5	144.2	19.4	27.08	68.3	-
08/31/95	00:40 00:45	77.3 77.3	144.9 146.9	17.8	27.09 27.09	69.4	6
08/31/95						69.4	

eorological Data	1		WD	ws			
	1		Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/31/95	00:55	76.8	148.1	17	27.09	71.5	6.1
08/31/95	01:00	76.3	146.9	16.4	27.09	72.5	5.5
08/31/95	01:05	75.9	145.8	15.6	27.09	73.6	5.4
08/31/95	01:10	75.6	144.2	15.3	27.09	74.6	5.9
08/31/95	01:15	75.3	145.1	14.1	27.1	75.2	5.9
08/31/95		75.2	145.8	15.2	27.09	75.7	3.3
08/31/95	01:20 01:25	75.4	150.8	15.4	27.09	75.7	6.
08/31/95 08/31/95	01:30 01:35	75.5	151.9	15.4	27.09 27.09	74.6 75.3	6.
		75.3	149	15.3		74.9	5.5
08/31/95	01:40	75.3	150.1	16.7	27.09		6.
08/31/95	01:45	75.4	151.9	17	27.09	74.3	6.
08/31/95	01:50	75.5	154.1	16.3	27.09	73.9	6.
08/31/95	01:55	75.4	150.1	15.6	27.09	74.6	6.
08/31/95	02:00	75.3	150.1	15.3	27.09	74.7	6.
08/31/95	02:05	75.2	148	15	27.09	75.1	5.
08/31/95	02:10	75.3	148.1	17.8	27.09	74.6	5.
08/31/95	02:15	75.4	150.1	18.3	27.09	74.5	6.
08/31/95	02:20	75.3	151.9	17.4	27.09	74.2	6.
08/31/95	02:25	75.2	152.1	17	27.09	74.6	7.
08/31/95	02:30	75.2	154.1	16.7	27.09	74.3	
08/31/95	02:35	75.3	155.9	17.7	27.09	73.9	
08/31/95	02:40	75.2	155.9	15.9	27.09	74.2	6.
08/31/95	02:45	75	157.9	15.8	27.09	74.3	6.
08/31/95	02:50	74.9	158	16.5	27.09	74.5	6.
08/31/95	02:55	74.7	160.2	15.3	27.08	75	7.
Run 18							
08/31/95	10:20	78.6	170.1	4.8	27.15	52.4	15.
08/31/95	10:25	79	169.9	3.5	27.15	50.5	17.
08/31/95	10:30	79.3	130	6	27.15	51.9	17.
08/31/95	10:35	79.7	186.1	3.5	27.15	49.1	2
08/31/95	10:40	80.3	149.9	4.9	27.15	48.8	38.
08/31/95	10:45	80.7	100.1	3.7	27.15	48.8	27.
08/31/95	10:50	81.6	83.9	3.6	27.16	45.1	21.
08/31/95	10:55	82	96.9	4.4	27.16	45.6	22.
08/31/95	11:00	82.1	108	5.1	27.16	46.4	41.
08/31/95	11:05	82.2	115.9	4.3	27.16	45.5	20.
08/31/95	11:10	81.7	117	7.1	27.16	47.5	13.
08/31/95	11:15	82.3	90	6.7	27.16	47.4	16.
08/31/95	11:20	82.6	80.1	8.1	27.16	45.2	9.
08/31/95	11:25	82.7	65	6.9	27.16	44.3	20.
08/31/95	11:30	83	74	7.1	27.16	43.5	17
08/31/95	11:35	83.5	70.9	5.6	27.17	42.4	24.
08/31/95	11:40	83	95.1	6.7	27.17	43.1	17.
08/31/95	11:45	83	106.9	8	27.17	46.8	11.
08/31/95	11:50	83.3	107.1	5.4	27.17	44.2	14.
08/31/95	11:55	83.8	101.9	6.3	27.17	44.7	12
08/31/95	12:00	84.1	101.9	8	27.17	45.8	
08/31/95						44.3	1
	12:05	84.3	117	6.4	27.17		21
08/31/95	12:10	85.5	92.9	7.8	27.17	43.1	18.
08/31/95	12:15	84.8	142	9.5	27.17	46.4	14.
08/31/95	12:20	85	109.1	9	27.17	45.6	1
08/31/95	12:25	85.7	105.8	8.9	27.17	44.2	16
08/31/95	12:30	85.2	130	8.9	27.17	45.6	15
08/31/95	12:35	85.3	116.8	10.7	27.16	47	10
08/31/95	12:40	85.4	133.9	10	27.16	48.6	12
08/31/95	12:45	85.6	136.8	9.9	27.16	48.2	12
08/31/95	12:50	85.8	125.8	10.1	27.16	47.3	13.

Date Time Temp (F) (Deg) (mph) (in Hg) (%) T								Meteorological Data
Date Time Temp (F) (Deg) (mph) (in Hg) (%) T 08/31/95 12:55 86 127.1 9.6 27.16 47.2 08/31/95 13:00 86.3 123.1 9.6 27.16 47.2 08/31/95 13:10 86.6 103 9.6 27.16 44.3 08/31/95 13:15 86.7 128 10.6 27.16 44.3 08/31/95 13:20 86.6 131 8.5 27.16 45.4 08/31/95 13:30 87.1 125.8 10.9 27.15 48.2 08/31/95 13:30 87.1 125.8 10.4 27.15 47.2 08/31/95 13:340 87.4 117 11.4 27.15 47.4 08/31/95 13:45 87.3 132.8 11.2 27.15 47.4 08/31/95 13:45 87.3 132.8 11.2 27.15 48.1 08/31/95 14:30				WS	WD			
08/31/95 12:55 86 127.1 9.6 27.16 47.2 08/31/95 13:05 86.7 103 9.6 27.16 47.2 08/31/95 13:05 86.7 103 9.6 27.16 44.3 08/31/95 13:15 86.7 128 10.6 27.16 46.7 08/31/95 13:20 86.6 114.8 10 27.15 46.7 08/31/95 13:25 87.5 126 10.9 27.15 48.2 08/31/95 13:30 87.1 125.8 10.6 27.15 47.2 08/31/95 13:30 87.5 126.9 10.4 27.15 47.2 08/31/95 13:45 87.3 132.8 11.2 27.15 47.4 08/31/95 13:50 87.5 130.1 11.8 27.15 48.3 08/31/95 13:55 87.8 119 10.6 27.15 48.2 08/31/95 14:00 88.1	Sigma	RH	BP	Scalar	Scalar			
DB/31/95	Theta	(%)	(in Hg)	(mph)	(Deg)	Temp (F)	Time	Date
08/31/95 13:05 86.7 103 9.6 27.16 44.3 08/31/95 13:10 86.6 114.8 10 27.16 47 08/31/95 13:15 86.7 128 10.6 27.16 45.4 08/31/95 13:20 86.6 131 8.5 27.16 45.4 08/31/95 13:25 87.5 126 10.9 27.15 48.2 08/31/95 13:35 87.5 126.9 10.4 27.15 47 08/31/95 13:34 87.3 132.8 11.2 27.15 47 08/31/95 13:35 87.5 130.1 11.8 27.15 48.1 08/31/95 13:35 87.5 130.1 11.8 27.15 48.1 08/31/95 13:50 87.5 130.1 11.8 27.15 48.2 08/31/95 14:10 88.8 132.2 27.15 48.2 08/31/95 14:10 88.8 151.9	15.7	47.2		9.6		86	12:55	08/31/95
08/31/95 13:10 86.6 114.8 10 27.16 47 08/31/95 13:15 86.7 128 10.6 27.16 46.7 08/31/95 13:20 86.6 131 8.5 27.16 45.4 08/31/95 13:25 87.5 126 10.9 27.15 48.2 08/31/95 13:30 87.5 126.9 10.4 27.15 47.2 08/31/95 13:40 87.4 117 11.4 27.15 47.4 08/31/95 13:45 87.3 132.8 11.2 27.15 47.4 08/31/95 13:50 87.5 130.1 11.8 27.15 48.2 08/31/95 14:00 81.1 134.8 12 27.15 48.2 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:15 88.8 161.9 11.2 27.15 49.6 08/31/95 14:10 89.1	10.4	47	27.16	9.6	123.1	86.3	13:00	08/31/95
08/31/95	12	44.3	27.16	9.6	103	86.7	13:05	08/31/95
08/31/95 13:16 86.7 128 10.6 27.16 46.7 08/31/95 13:20 86.6 131 8.5 27.16 46.7 08/31/95 13:25 87.5 126 10.9 27.15 48.2 08/31/95 13:35 87.5 126.9 10.4 27.15 47.2 08/31/95 13:40 87.4 117 11.4 27.15 48.1 08/31/95 13:46 67.3 132.8 11.2 27.15 47.4 08/31/95 13:50 87.5 130.1 11.8 27.15 47.4 08/31/95 13:55 67.8 119 10.6 27.15 48.3 08/31/95 14:00 88.1 134.8 12 27.15 49.6 08/31/95 14:10 88.8 163.9 11.2 27.15 49.6 08/31/95 14:15 88.8 151.9 11.2 27.14 49 08/31/95 14:16 88.8	15.3	47	27.16	10	114.8	86.6	13:10	08/31/95
08/31/95 13:20 86.6 131 8.5 27.16 45.4 08/31/95 13:25 87.5 126 10.9 27.15 48.2 08/31/95 13:30 87.1 125.8 10.6 27.15 48.2 08/31/95 13:36 87.5 126.9 10.4 27.15 47.2 08/31/95 13:40 87.4 117 11.4 27.15 48.1 08/31/95 13:40 87.3 132.8 11.2 27.15 48.1 08/31/95 13:45 87.3 132.8 11.2 27.15 48.3 08/31/95 13:50 87.5 130.1 11.8 27.15 48.3 08/31/95 13:55 87.8 119 10.6 27.15 48.2 08/31/95 14:00 88.1 134.8 12 27.15 48.6 08/31/95 14:05 88.4 137.2 14.6 27.15 48.7 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:10 88.8 163.8 12.2 27.14 49 08/31/95 14:20 89.1 141.8 12.8 27.14 49 08/31/95 14:25 89.3 167 12.3 27.14 47.1 08/31/95 14:30 89.1 157.1 12.7 27.14 47.1 08/31/95 14:35 89.3 156.1 11.6 27.14 45.8 08/31/95 14:40 89.5 150.1 13.4 27.14 47.9 08/31/95 14:45 89.7 158 10.6 27.14 47.5 08/31/95 14:50 89.8 159.1 12.7 27.14 47.5 08/31/95 15:00 89.8 159.1 12.7 27.14 47.5 08/31/95 15:00 89.9 157.1 10.8 27.14 45.1 08/31/95 15:00 90.1 157.1 12.4 27.13 46.6 08/31/95 15:00 90.1 157.1 12.4 27.13 46.6 08/31/95 15:00 90.1 157.1 12.4 27.13 46.6 08/31/95 15:00 90.7 148.1 12.8 27.12 42.9 08/31/95 15:05 90.1 159.1 15.8 27.13 46.6 08/31/95 15:45 90.8 156.1 14.5 27.12 42.8 08/31/95 15:45 91.5 156.1 13.6 27.12 41.8 08/31/95 15:45 91.5 156.1 13.6 27.12 41.8 08/31/95 15:45 91.5 156.1 13.6 27.12 41.8 08/31/95 15:40 91.1 164.2 12.6 27.12 41.8 08/31/95 15:45 91.5 156.1 13.6 27.12 41.1 08/31/95 16:05 91.7 149.9 12.6 27.12 41.6 08/31/95 16:05 91.7 149.9	12.5	46.7	27.16	10.6	128	86.7	13:15	08/31/95
08/31/95 13:30 87.1 125.8 10.6 27.15 47.2 08/31/95 13:35 87.5 126.9 10.4 27.15 47 08/31/95 13:40 87.4 117 11.4 27.15 48.1 08/31/95 13:50 87.5 130.1 11.8 27.15 48.3 08/31/95 13:55 87.8 119 10.6 27.15 48.3 08/31/95 14:00 88.1 134.8 12 27.15 49.6 08/31/95 14:05 88.4 137.2 14.6 27.15 49.6 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:15 88.8 151.9 11.2 27.15 49.6 08/31/95 14:25 89.3 167 12.3 27.14 49 08/31/95 14:25 89.3 167 12.7 27.14 49 08/31/95 14:30 89.1	17	45.4	27.16	8.5	131	86.6	13:20	
08/31/95 13:35 87.5 126.9 10.4 27.15 47 08/31/95 13:40 87.4 117 11.4 27.15 48.1 08/31/95 13:45 87.3 132.8 11.2 27.15 48.3 08/31/95 13:50 87.5 130.1 11.8 27.15 48.3 08/31/95 13:55 87.8 119 10.6 27.15 48.2 08/31/95 14:00 88.1 134.8 12 27.15 48.6 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:10 88.8 163.8 12.2 27.15 49.6 08/31/95 14:20 89.1 14:18 12.8 27.14 49.0 08/31/95 14:25 89.3 167 12.3 27.14 47.1 08/31/95 14:35 89.3 156.1 11.6 27.14 47.1 08/31/95 14:45 89.7	12.1	48.2	27.15	10.9	126	87.5	13:25	08/31/95
08/31/95	10.8	47.2	27.15	10.6	125.8	87.1	13:30	08/31/95
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08/31/95 15:45 91.7 156.1 13.6 27.12 41.1 08/31/95 15:50 91.6 160.9 11.8 27.12 41.2 08/31/95 15:55 91.5 156.1 12.5 27.12 42.1 08/31/95 16:00 91.6 159.8 11 27.12 41.1 08/31/95 16:05 91.7 149.9 12.6 27.12 41.3 08/31/95 16:10 92 154.1 13.1 27.11 41.1 08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 40 08/31/95 16:20 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.	9.7	41.8	27.12	12.6	164.2	91.1	15:40	08/31/95
08/31/95 15:50 91.6 160.9 11.8 27.12 41.2 08/31/95 15:55 91.5 156.1 12.5 27.12 42.1 08/31/95 16:00 91.6 159.8 11 27.12 41.1 08/31/95 16:05 91.7 149.9 12.6 27.12 41.3 08/31/95 16:10 92 154.1 13.1 27.11 41.1 08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 40 08/31/95 16:20 92.1 146.2 12.4 27.11 40.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.	12.9					91.7	15:45	08/31/95
08/31/95 16:00 91.6 159.8 11 27.12 41.1 08/31/95 16:05 91.7 149.9 12.6 27.12 41.3 08/31/95 16:10 92 154.1 13.1 27.11 41.1 08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 41.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.	9.6	41.2	27.12	11.8	160.9	91.6	15:50	08/31/95
08/31/95 16:00 91.6 159.8 11 27.12 41.1 08/31/95 16:05 91.7 149.9 12.6 27.12 41.3 08/31/95 16:10 92 154.1 13.1 27.11 41.1 08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 41.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.	11.7	42.1	27.12	12.5	156.1	91.5	15:55	08/31/95
08/31/95 16:05 91.7 149.9 12.6 27.12 41.3 08/31/95 16:10 92 154.1 13.1 27.11 41.1 08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 41.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:05 9	12.4	41.1	27.12		159.8	91.6	16:00	08/31/95
08/31/95 16:15 91.7 161.8 10.5 27.12 40 08/31/95 16:20 92.1 143.1 12.5 27.12 41.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 <td< td=""><td>13.9</td><td>41.3</td><td></td><td>12.6</td><td></td><td>91.7</td><td>16:05</td><td>08/31/95</td></td<>	13.9	41.3		12.6		91.7	16:05	08/31/95
08/31/95 16:20 92.1 143.1 12.5 27.12 41.6 08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.3 08/31/95 17:05 92.6 146.2 11.2 27.11 36.8 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 <	13.1	41.1	27.11	13.1	154.1	92	16:10	08/31/95
08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	11.9	40	27.12	10.5	161.8	91.7	16:15	08/31/95
08/31/95 16:25 92.1 146.2 12.4 27.11 40.6 08/31/95 16:30 91.8 130.1 12.5 27.11 39.9 08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39.9 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	9.6	41.6	27.12	12.5	143.1	92.1	16:20	08/31/95
08/31/95 16:35 92.3 160.2 8.7 27.11 39.9 08/31/95 16:40 92.2 146.2 13.3 27.11 39 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	16.2	40.6		12.4	146.2	92.1	16:25	08/31/95
08/31/95 16:40 92.2 146.2 13.3 27.11 39 08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	15.7	39.9	27.11	12.5	130.1	91.8	16:30	08/31/95
08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	13.5	39.9	27.11	8.7	160.2	92.3	16:35	08/31/95
08/31/95 16:45 92.3 131 11.5 27.11 38.7 08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	15.4	39	27.11	13.3	146.2	92.2	16:40	08/31/95
08/31/95 16:50 92.5 134.8 12.1 27.11 39.2 08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	12.5	38.7	27.11	11.5	131	92.3	16:45	08/31/95
08/31/95 16:55 92.6 134.8 11.7 27.11 38.4 08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	9.1	39.2	27.11			92.5		
08/31/95 17:00 92.6 141.8 10.9 27.11 37.4 08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	15.7	38.4		11.7	134.8	92.6	16:55	08/31/95
08/31/95 17:05 92.6 146.2 11.2 27.11 37.3 08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	11.5	37.4	27.11	10.9	141.8	92.6	17:00	08/31/95
08/31/95 17:10 92.5 119.9 11.4 27.11 36.8 08/31/95 17:15 92.6 135 10.2 27.11 37.4	12.8		27.11	11.2	146.2	92.6	17:05	08/31/95
08/31/95 17:15 92.6 135 10.2 27.11 37.4	7.4			11.4	119.9	92.5	17:10	
	10.8					92.6		
08/31/95 17:20 92.5 122 11.2 27.11 38.2	8.1					92.5		08/31/95
08/31/95 17:25 92.4 114.1 11 27.11 37.6	9.1		1		114.1	92.4	17:25	08/31/95
08/31/95 17:30 92.4 127.1 10.6 27.11 38.9	12	·				92.4		08/31/95
08/31/95 17:35 92.4 123.1 10.2 27.1 37.7	6.6					92.4		08/31/95

Midwest Beef

leteorological Data							•
			WD	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/31/95	17:40	92.6	128	10.9	27.1	39.1	9.7
08/31/95	17:45	92.7	139.1	10.6	27.1	39.8	13.5
08/31/95	17:50	92.4	125.1	10.6	27.1	40.1	9.2
08/31/95	17:55	92.1	127.1	11.8	27.1	40.2	7.5
08/31/95	18:00	91.4	119.9	13	27.1	41.9	8.7
08/31/95	18:05	91.2	116.8	13.7	27.1	42.4	6.8
08/31/95	18:10	91.1	124	13.6	27.09	43.1	7
08/31/95	18:15	90.9	125.1	14.2	27.09	43.3	8.3
08/31/95	18:20	89.9	132.8	12.7	27.1	45.2	6.9
08/31/95	18:25	89.3	130	12	27.1	46.6	7.4
08/31/95	18:30	88.7	127.1	11.8	27.09	47.6	5.5
08/31/95	18:35	88.3	125.1	11.1	27.09	48.5	5.7
08/31/95	18:40	88.1	123.1	10.4	27.09	49.4	5.5
08/31/95	18:45	87.8	126.9	8.9	27.1	49.9	5.9
08/31/95	18:50	87.4	124	8.8	27.1	51.1	4.9
08/31/95	18:55	87.2	123.1	8.5	27.1	52.2	4.9
08/31/95	19:00	87	123.8	8.3	27.1	52.5	4.9
08/31/95	19:05	86.6	125.8	7.2	27.1	52.9	5.2
08/31/95	19:10	86.1	125.8	6.5	27.11	54.7	5.3
08/31/95	19:15	85.6	125.8	7.4	27.1	56	4.6
08/31/95	19:20	85.3	124.9	8.6	27.1	56.7	4.8
08/31/95	19:25	84.9	122.9	8.8	27.1	57.7	4.7
08/31/95	19:30	84.7	126.9	7.7	27.1	57.1	4.9
08/31/95	19:35	84.7	123.8	6.9	27.1	57.3	4.9
08/31/95	19:40	84.6	126.9	7.2	27.1	57.7	4.8
08/31/95	19:45	84.4	125.8	7.6	27.1	58.1	5.8
08/31/95	19:50	84.3	120.1	7.6	27.1	58.7	4.1
08/31/95	19:55	84.1	121	7.3	27.1	59.7	4.9
Run 19	. 10.00					33.7	7.3
08/31/95	20:50	81.7	139.9	8.9	27.1	63.1	5.4
08/31/95	20:55	81.3	141.8	8.3	27.1	64.6	4.7
08/31/95	21:00	81	145.1	8.6	27.1	66.1	4.7
08/31/95	21:05	80.8	144.9	9.4	27.1	65.9	
08/31/95	21:10	81	144.9				4.6
08/31/95	21:10	81	137.2	9.9	27.1 27.1	65.1 65.1	5.4
				9.6			5.5
08/31/95	21:20	80.6	140	9.5	27.1	66	5.3
08/31/95	21:25	80.3	145.1	9.8	27.1	66.3	4.7
08/31/95	21:30	80.3	144.9	10.1	27.1	65.9	5
08/31/95	21:35	80.3	142	10.2	27.1	65	5.7
08/31/95	21:40	80.6	142	10.8	27.1	64.4	5.9
08/31/95	21:45	80.5	141.1	10.3	27.11	64.3	5.4
08/31/95	21:50	80.2	139.1	10.6	27.11	63.7	5.4
08/31/95	21:55	79.9	138.1	10.1	27.11	64.6	5
08/31/95	22:00	79.1	137.2	9.7	27.12	66.1	4.9
08/31/95	22:05	78.6	136.8	9.7	27.12	67.1	5
08/31/95	22:10	78.1	136.8	10	27.12	67.9	4.8
08/31/95	22:15	77.6	136.8	9.8	27.12	69.3	5.3
08/31/95	22:20	77	130.1	9.3	27.12	71.2	5.8
08/31/95	22:25	76.7	129.1	10.2	27.12	72.9	4.9
08/31/95	22:30	76.3	132.8	11.4	27.12	73.7	5.5
08/31/95	22:35	76.5	136.1	12.9	27.12	73.2	4.9
08/31/95	22:40	76.8	142	13.7	27.12	72.1	5.5
08/31/95	22:45	76.9	147.1	13.5	27.11	71.5	5.8
08/31/95	22:50	76.8	150.1	13	27.11	71.9	5.7
08/31/95	22:55	76.8	148.9	12.7	27.11	71.6	5.7
08/31/95	23:00	76.8	145.1	11.7	27.11	71.4	5
							5.4

Midwest Beef

teorological Data			14/5				
	ļ		WD	ws			<u> </u>
			Scalar	Scalar	BP (1)	RH_	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/31/95	23:10	76.3	141.1	10.4	27.12	71.7	5.7
08/31/95	23:15	75.9	142	10.1	27.12	72.5	4.9
08/31/95	23:20	75.4	140.9	9.9	27.12	73.6	4.7
08/31/95	23:25	75.2	140	10	27.12	73.7	5.2
08/31/95	23:30	74.7	139.9	9.3	27.12	74.9	5.4
08/31/95	23:35	74.4	143.1	8.8	27.12	76.2	5.5
08/31/95	23:40	74.1	148.1	8.2	27.12	77.6	5.7
08/31/95	23:45	74.1	151	8.7	27.12	77.6	6.8
08/31/95	23:50	74.5	157	9.3	27.12	76	7.2
08/31/95	23:55	75.3	163.1	10.8	27.12	74.4	7.4
08/31/95	00:00	75.2	163.1	11.1	27.12	74.1	5.3
09/01/95	00:05	74.9	162.9	11	27.12	74.1	5.9
09/01/95	00:10	74.6	163.8	10.5	27.13	75.4	6.8
09/01/95	00:15	74.3	166	11.3	27.13	75.5	6.6
09/01/95	00:20	73.9	167	10.7	27.12	76.3	6.6
09/01/95	00:25	73.5	171.2	10.2	27.12	76.9	6.8
09/01/95	00:30	73.2	172.1	10.5	27.12	77.9	7.4
09/01/95	00:35	72.8	170.1	10.8	27.12	78.3	6.9
09/01/95	00:40	72.4	174.1	9.2	27.12	80	7.2
09/01/95	00:45	72.3	179.1	10.4	27.12	80	6.9
09/01/95	00:50	72.6	179.1	11.1	27.12	80.3	
09/01/95	00:55	72.5	175.1	10.3	27.12	80.6	
09/01/95	01:00	72.4	175.1	10.4	27.13	80.8	6.5
09/01/95	01:05	72.5	178.9	10.3	27.13	80.7	7.
09/01/95	01:10	72.7	179.8	11.4	27.13	80.3	
09/01/95	01:15	73.1	181.1	11.4	27.13	79.5	6.9
09/01/95	01:20	73.2	184	10.8	27.13	78.9	6.9
09/01/95	01:25	72.9	185.2	10.1	27.13	79.3	6.9
09/01/95	01:30	72.1	187.2	9.7	27.13	81.4	5.4
09/01/95	01:35	71.8	184.1	9.2	27.13	82.3	6.
09/01/95	01:40	71.8	182.2	8.6	27.13	82.5	. 7.
09/01/95	01:45	71.8	185.2	7.9	27.14	82.6	7.
09/01/95	01:50	72	184	8.6	27.14	82	7.
09/01/95	01:55	71.9	185.2	8.4	27.14	81.9	7.
09/01/95	02:00	71.3	184	8.7	27.14	81.7	7.
09/01/95	02:05	72	182.2	8.7	27.14	81	7.
09/01/95	02:10	71.8	179.8	8.3	27.14	81.2	7.
		71.5				81.7	7.
09/01/95 09/01/95	02:15	71.3	179.8 181.1	8.4	27.14		
09/01/95	02:20 02:25	71.3	186.8	8.2	27.13 27.13	82.3 82.6	6. 7.
09/01/95		71	194.2		27.13	81.6	7.
	02:30			8.8			
09/01/95	02:35	70.8	197.1	8.1	27.13	81.7	7.
09/01/95	02:40	70.2	203.2	6.6	27.13	82.1	9.
09/01/95	02:45	69.9	204.1	6.8	27.13	83.5	8.
09/01/95	02:50	70.2	200.9	7.8	27.13	83.6	8.
09/01/95	02:55	70.6	202.1	8.9	27.13	82.7	7.
09/01/95	03:00	70.6	202.9	8.7	27.13	82.5	8.
09/01/95	03:05	70.2	203.2	8.1	27.13	82.9	7.
09/01/95	03:10	70.1	200.9	8.1	27.13	83.7	7.
09/01/95	03:15	70.3	196.9	9.1	27.13	83.6	8
09/01/95	03:20	70.2	198.2	8.5	27.13	83.7	7.
09/01/95	03:25	70.2	198.2	8.4	27.13	83.8	7.
09/01/95	03:30	70.4	197.1	8.3	27.13	83.7	7.
09/01/95	03:35	70.6	191.9	7.7	27.13	84.5	8.
09/01/95	03:40	70.6	187.2	7.2	27.13	85.5	7.
09/01/95	03:45	70.4	182.9	6.5	27.13	86.6	8.
09/01/95	03:50	70.2	175.1	5.6	27.13	86	9.

Midwest Beef

Meteorological Data				- 4/0			
			WD	WS	75		Cin
			Scalar	Scalar	BP (F. LLE)	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%) 86.4	Theta 8.8
09/01/95	03:55	70 70	175	5.1 4.8	27.13 27.13	86.9	8.2
09/01/95 09/01/95	04:00	69.6	176.2 164.2	4.8	27.13	87.2	9.7
	04:05	69.5		4.3	27.13	86.8	12.8
09/01/95	04:10		180.9	4.3	27.13	87.2	8.5
09/01/95	04:15	69.5 69.7	190.1	5.3	27.13	88.7	8.2
09/01/95 09/01/95	04:20	69.5	185.2 179.8	5.7	27.13	88.7	8.1
09/01/95	04:25 04:30	69.2	169.2	5.7	27.13	88.9	6.4
09/01/95		68.9		6.1	27.13	89.4	7.9
09/01/95	04:35 04:40	69.1	178.2 180.9	6.5	27.13	89.2	6.5
09/01/95	04:45	68.9	182.9	6.5	27.13	89.5	6
09/01/95	04:45	69	183.1	6.6	27.13	89.9	6.9
09/01/95	04:55	69.3	181.1	6.7	27.13	88.4	6.6
09/01/95	05:00	69.3	179.8	6.3	27.13	88.1	9.9
09/01/95	05:05	69.1	182	6.3	27.13	89.1	7.5
09/01/95	05:05	69	181.1	6.8	27.13	89.1	7.4
		68.8	183.1	7	27 13	89.7	7.1
09/01/95 09/01/95	05:15 05:20	68.8	185.9	7.3	27.13	89.7	6.3
09/01/95	05:25	68.9	185.9	7.6	27.13	89.1	6.6
09/01/95	05:30	68.8	185.9	7.5	27.13	89.2	6.4
09/01/95	05:35	68.7	184	6.9	27.13	89.4	6.6
09/01/95	05:40	68.6	184.9	7.2	27.13	89.5	5.3
09/01/95	05:45	68.7	187.2	7.4	27.13	89.5	- 5.5
09/01/95	05:50	68.6	185.2	7.4	27.13	89.4	6.4
09/01/95	05:55	68.4	188.1	7.4	27.13	89.4	7.2
09/01/95	06:00	68.4	188.1	7.6	27.13	89.3	6.6
09/01/95	06:05	68.3	179.8	7.7	27.13	90.1	6.4
09/01/95	06:10	67.9	175.9	7.6	27.13	90.5	6.4
09/01/95	06:15	67.5	176.2	7.5	27.13	92	6.5
09/01/95	06:20	67.4	178.9	7.8	27.13	91.8	6.4
09/01/95	06:25	67.7	179.1	8	27.13	- 91.6	7
09/01/95	06:30	67.8	183.1	7.7	27.13	91.6	6
09/01/95	06:35	67.7	181.8	7.5	27.13	92.1	6.6
09/01/95	06:40	67.3	179.1	7.3	27.13	92.5	6.8
09/01/95	06:45	67.1	183.1	7.6	27.13	92.9	7.4
09/01/95	06:50	67.1	191.2	6.9	27.13	92.5	6.9
09/01/95	06:55	67	190.1	6.5	27.13	93.5	8.1
09/01/95	07:00	66.8	191.2	6.7	27.13	94.1	7.1
09/01/95	07:05	66.8	188.8	6.5	27.13	94	6.4
09/01/95	07:10	67.1	186.8	6.2	27.13	94.5	7
09/01/95	07:15	67.2	186.1	6.1	27.13	94.5	6.1
09/01/95	07:20	67.2	178	5.7	27.13	94.5	7.6
09/01/95	07:25	66.8	174.1	5.2	27.14	94.3	7.4
09/01/95	07:30	66.7	176	5.6	27.14	94.2	5.5
09/01/95	07:35	66.8	176	5.6	27.14	94	5.8
09/01/95	07:40	67.2	175.1	5.2	27.14	94	7.7
09/01/95	07:45	67.1	170.8	.4.9	27.14	93.6	7.2
09/01/95	07:50	67.2	172.1	4.6	27.14	92.7	7.2
09/01/95	07:55	67.4	187.2	4.1	27.14	91.5	8.2
09/01/95	08:00	67.8	189.2	4.5	27.14	91.3	6
09/01/95	08:05	68.2	177.1	4.7	27.14	90.6	8.1
09/01/95	08:10	68.5	177.1	4.4	27.14	87.1	7.6
		68.7	182.2	4.5	27.14	82.5	8.6
	(18115			, ⊸		, 02.3	0.0
09/01/95	08:15			45	27 15	80.7	R 1
09/01/95 09/01/95	08:20	68.9	171.2	4.5	27.15	80.7	8.1
09/01/95				4.5 3.7 3.3	27.15 27.15 27.15	80.7 78.3 75.3	8.1 8.2 10.7

Midwest Beef

Meteorological Data							
			WD	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/01/95	08:40	70.8	160.9	2.4	27.16	69.2	17.7
09/01/95	08:45	71.5	124	1.3	27.16	67.3	52.9
09/01/95	08:50	72.1	153.9	2	27.16	65.3	20.7
09/01/95	08:55	71.9	159.1	2.9	27.17	66.2	14.7
09/01/95	09:00	71.8	150.1	2.6	27.17	66.8	8.1
09/01/95	09:05	72.3	192.2	2.5	27.17	63.8	17.3
09/01/95	09:10	72.9	208.3	3.7	27.17	60.6	12.6
09/01/95	09:15	73.5	217.3	3	27.18	59	20.5
09/01/95	09:20	74.1	211.1	3.8	27.18	58.9	14.1
09/01/95	09:25	74.5	207.2	4.9	27.18	59.5	11.2
09/01/95	09:30	74.8	209.2	5.4	27.18	59.3	12
09/01/95	09:35	75.3	220	5.6	27.18	57.9	14.1
09/01/95	09:40	76.3	225.9	6.3	27.18	56.7	15.1
09/01/95	09:45	77	227.9	7.1	27.18	55.8	13.6
09/01/95	09:50	77.9	227.2	7.5	27.18	55.8	15.6
09/01/95	09:55	78.6	220.1	7.1	27.18	55.9	15.1
09/01/95	10:00	79.6	213.1	6.9	27.18	56	12.1
09/01/95	10:05	80.4	213.8	7.8	27.18	54.9	12.8
09/01/95	10:10	80.9	205.9	8.6	27.18	54	10.4
09/01/95	10:15	80.9	210.1	9.5	27.18	53.7	11.4
09/01/95	10:20	81.3	208.8	9.1	27.18	53	10.3
09/01/95	10:25	81.5	208.8	8.9	27.18	53.2	13
09/01/95	10:30	82.2	206.1	8.5	27.18	52.8	10.4
09/01/95	10:35	82.6	206.1	8.2	27.18	51.2	10.8

teorological Dat	a		WD	ws			
	 -		Scalar	Scalar	ВР	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
Run 20	111116	Temp (F)	(Deg)	(mpn)	(11119)	(70)	IIIota
09/05/95	20:50	63.8	336.4	1.1	29.3	99.6	0
09/05/95	20:55	63.7	336.4	1.1	29.3	99.7	0
09/05/95	21:00	63.5	336.4	1.1	29.31	99.7	0
09/05/95	21:05	63.2	336.4	1.1	29.3	99.7	0
09/05/95	21:10	63.1	336.4	1.1	29.3	99.7	
09/05/95	21:15	62.8	336.4	1.1	29.3	99.7	
09/05/95	21:20	62.4	336.4	1.1	29.3	99.7	0
09/05/95	21:25	62.5	336.4	1.1	29.3	99.7	0
09/05/95	21:30	62.3	336.4	1,1	29.3	99.7	0
09/05/95	21:35	62.1	336.4	1.1	29.3	99.7	0
09/05/95	21:40	62	336.4	1.1	29.3	99.7	0
09/05/95	21:45	61.7	336.4	1.1	29.3	99.7	0
09/05/95	21:50	61.6	336.4	1.1	29.3	99.7	
09/05/95	21:55	61.4	336.4	1.1	29.3	99.7	0
09/05/95	22:00	61.2	336.4	1.1	29.3	99.7	0
09/05/95	22:05		336.4	1.1	29.3	99.7	0
09/05/95	22:10	61.1 61	336.4	1.1	29.3	99.7	
		60.9	336.4		29.3	99.7	
09/05/95 09/05/95	22:15 22:20			1.1	29.3		0
		60.6	336.4	1.1		99.7	0
09/05/95	22:25	60.4	336.4	1.1	29.29	99.7 99.7	0
09/05/95	22:30	60.3	336.4	1.1	29.29 29.3		0
09/05/95	22:35	60.4	311.2	1.1		99.7	25.4
09/05/95	22:40	60.3	292.3	1.1	29.3	99.7	5.4
09/05/95	22:45	59.9	316.8	1.1	29.3	99.7	3.6
09/05/95	22:50	59.6	316.8	1.1	29.3 29.3	99.7	2.5
09/05/95	22:55	59.5	325.3	1.1		99.7	6.9
09/05/95	23:00	59.8	344.3	1.1	29.3	99.7	0
09/05/95	23:05	59.5	347.4	1.1	29.3	99.7	
09/05/95	23:10	59.3	347.4	1.1	29.29	99.7	0
09/05/95	23:15	59.4	346.3	1.1	29.29	99.7	0.6
09/05/95	23:20	59.3	332.3	1.1	29.29	99.7	12.5
09/05/95	23:25	59.3	317.3	1.1	29.29	99.7	8
09/05/95	23:30	59.1	241.2	1.1	29.29	99.7	36.1
09/05/95	23:35	59.1	299.3	1.1	29.29	99.7	10.9
09/05/95	23:40	58.9	293.2	1.1	29.29	99.7	5.5
09/05/95	23:45	58.6	294.8	1.1	29.28	99.7	1.4
09/05/95	23:50	58.4	298.3	1.1	29.28	99.7	2.6
09/05/95	23:55	58.4	305.3	1.1	29.28	99.7	0
09/05/95	00:00	58.2	308.3	1.1	29.28	99.7	4.1
09/06/95	00:05	58	312.1	1.1	29.28	99.7	0.3
09/06/95	00:10	57.7	311.2	1.1	29.28	99.7	0.1
09/06/95	00:15	57.6	311.9	1.1	29.28	99.7	0.9
09/06/95	00:20	57.5	312.1	1.1	29.28	99.7	0
09/06/95	00:25	57.3	313.4	1.1	29.27	99.7	1.5
09/06/95	00:30	57.2	314.3	1.1	29.27	99.7	0.3
09/06/95	00:35	57.2	314.3	1.1	29.27	99.7	0
09/06/95	00:40	57.1	314.3	1.1	29.27	99.7	0
09/06/95	00:45	57.1	313.9	1.1	29.27	99.7	2.4
09/06/95	00:50	57.1	302.2	1.1	29.27	99.7	8.5
09/06/95	00:55	57	288.4	1,1	29.27	99.7	5.8
09/06/95	01:00	56.8	292.9	1.1	29.27	99.7	2.5
09/06/95	01:05	56.7	303.8	1.1	29.27	99.7	12
09/06/95	01:10	56.5	314.3	1,1	29.27	99.7	0
09/06/95	01:15	56.1	314.3	1.1	29.27	99.7	Ŏ
09/06/95	01:20	56	314.3	1.1	29.26	99.7	ō
09/06/95	01:25	56.3	314.3	1.1	29.26	99.7	0

SE Chicken

teorological Data			WD	ws			
						- DU	Ciama
	Time a	Toma (C)	Scalar	Scalar	BP (in Hg)	(%)	Sigma Theta
Date 09/06/95	Time	Temp (F) 56.3	(Deg)	(mph) 1.1		99.7	
	01:30 01:35	56.3	315.4	1.1	29.26 29.26	99.7	0
09/06/95	01:40	56	315.4 315.4	1.1	29.25	99.7	- 0
09/06/95		56		1.1	29.25	99.7	
09/06/95	01:45		315.4	1.1	29.25	99.7	- 0
09/06/95	01:50	55.8	315.4	1.2	29.26	99.7	8
09/06/95	01:55	55.9 55.8	311.2	1.1	29.26	99.7	
09/06/95	02:00		327.2			99.7	6.9
09/06/95	02:05	55.5	339.3	1.1	29.26	1	0
09/06/95	02:10	55.3	339.3	1.1	29.25	99.7	0
09/06/95	02:15	55.5	327.2	1.1	29.25	99.7	8.5
09/06/95	02:20	55.5	321.8	1.1	29.25	99.7	3.9
09/06/95	02:25	55.2	317.3	1.1	29.25	99.7	2
09/06/95	02:30	55.3	317.3	1.1	29.25	99.7	2
09/06/95	02:35	55.4	317.3	1.1	29.25	99.7	2
09/06/95	02:40	55.1	317.3	1.1	29.25	99.7	2
09/06/95	02:45	55	317.3	1.1	29.25	99.7	2
09/06/95	02:50	55	317.3	1.1	29.25	99.7	2
09/06/95	02:55	54.7	317.3	1.1	29.25	99.7	2
09/06/95	03:00	54.7	317.3	1.1	29.25	99.7	9.2
09/06/95	03:05	54.6	319.3	1.1	29.25	99.7	3.8
09/06/95	03:10	54.7	333.4	1.1	29.25	99.7	0
09/06/95	03:15	54.3	333.4	1.1	29.25	99.7	0
09/06/95	03:20	54.5	333.4	1.1	29.25	99.7	0
09/06/95	03:25	54.5	333.4	1.1	29.25	99.7	0
09/06/95	03:30	54.4	333.4	1.1	29.25	99.7	0
09/06/95	03:35	54.5	333.4	1.1	29.25	99.7	0
09/06/95	03:40	54.3	320.9	1.1	29.25	99.7	9.2
09/06/95	03:45	54.1	315.4	1.1	29.25	99.7	0
09/06/95	03:50	54	322.4	1.1	29.25	99.7	4.7
09/06/95	03:55	54	320.9	1.1	29.25	99.7	0.8
09/06/95	04:00	54	317.3	1.1	29.25	99.7	- 2
09/06/95	04:05	53.9	317.3	1.1	29.25	99.7	2
09/06/95	04:10	53.5	317.3	1.1	29.25	99.7	2
09/06/95	04:15	53.6	317.3	1.1	29.25	99.7	2
09/06/95	04:20	53.7	321.8	1.1	29.26	99.7	5.3
09/06/95	04:25	53.8	324.9	1.1	29.26	99.7	2.2
09/06/95	04:30	53.7	325.3	1.1	29.26	99.7	0.1
09/06/95	04:35	53.6	329.4	1.1	29.26	99.7	2.5
09/06/95	04:40	. 53.7	325.8	1.1	29.26	99.6	4.2
09/06/95	04:45	53.6	318.8	1.1	29.26	99.7	
09/06/95	04:50	53.4	319.3	1.1	29.26	99.7	
09/06/95	04:55	53.1	319.3	1.1	29.27	99.7	(
09/06/95	05:00	53.4	319.3	1.1	29.26	99.7	
09/06/95	05:05	53.3	319.3	1.1	29.27	99.6	
09/06/95	05:10	53.3	319.3	1.1	29.26	99.7	
09/06/95	05:15	53	319.3	1.1	29.26	99.6	
09/06/95	05:20	53	319.9	1.1	29.26	99.6	. 2.
09/06/95	05:25	53.1	319.3	1.1	29.26	99.7	
09/06/95	05:30	52.9	319.3	1.1	29.26	99.6	
09/06/95	05:35	52.9	319.3	1.1	29.26	99.6	
09/06/95	05:40	52.9	319.3	1.1	29.26	99.6	
09/06/95	05:45	53	299.9	1.1	29.27	99.6	9.
09/06/95	05:50	52.9	278.8	1.1	29.26	99.6	
09/06/95	05:55	52.6	284.9	1.1			- 1
00/00/00	03.33				29.27	99.6	1.3
	06.00	ו בטני	ነ ያለላው				
09/06/95 09/06/95	06:00 06:05	52.6 52.7	304.9	1.1	29.27	99.6 99.6	2.

Meteorological Data							-
3		-	aw	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/06/95	06:15	52.5	307.3	1.1	29.27	99.6	0
09/06/95	06:20	52.6	307.3	1.1	29.27	99.6	0
09/06/95	06:25	52.5	307.3	1.1	29.28	99.6	0
09/06/95	06:30	52.6	307.3	1.1	29.28	99.6	0
09/06/95	06:35	52.5	307.3	1.1	29.28	99.6	0
09/06/95	06:40	52.6	307.3	1.1	29.28	99.6	0.9
09/06/95	06:45	52.7	308.3	1,1	29.28	99.6	0
09/06/95	06:50	52.7	308.3	1.1	29.28	99.6	0
09/06/95	06:55	52.8	328.9	1.1	29.28	99.6	18.5
09/06/95	07:00	53.4	346.3	1.1	29.28	99.6	5.9
09/06/95	07:05	54	346.3	1,1	29.29	99.6	0
09/06/95	07:10	54.9	346.3	1.1	29.29	99.7	0
09/06/95	07:15	55.7	346.3	1.1	29.29	99.7	0
09/06/95	07:20	56.4	346.3	1.1	29.29	99.7	0
09/06/95	07:25	57.3	346.3	1.1	29.29	99.7	0
09/06/95	07:30	57.8	346.3	1.1	29.29	99.7	0
09/06/95	07:35	58.4	346.3	1.1	29.29	99.1	0
09/06/95	07:40	59.2	346.3	1.1	29.29	93	0
09/06/95	07:45	60.2	346.3	1.1	29.29	90.3	0
09/06/95	07:50	60.8	346.3	1.1	29.29	91.3	8.3
09/06/95	07:55	61.1	340.9	1.2	29.3	88.1	12.8
09/06/95	08:00	61.2	354.8	1.6	29.3	85.4	0
09/06/95	08:05	61.8	29	1.1	29.3	83.1	14.6
09/06/95	08:10	62.2	70	1.1	29.3	79.9	17.5
09/06/95	08:15	62.7	52	1.1	29.3	79.1	23.2
09/06/95	08:20	62.9	34.9	1.7	29.3	78.5	23.6
09/06/95	08:25	63.4	44.8	2.4	29.31	79.7	17.7
09/06/95	08:30	64.2	82.1	1.4	29.31	76.4	47_
09/06/95	08:35	65.2	25.9	2	29.31	76.5	38.5
09/06/95	08:40	65.9	0.9	1.6	29.31	72.5	27.9
09/06/95	08:45	67.2	11	1.6	29.31	69.3	54.4
09/06/95	08:50	67.9	15	1.8	29.31	68.9	34.3
09/06/95	08:55	68.8	33.9	1.1	29.31	66.3	46.8
09/06/95	09:00	70.3	103.9	1.2	29.32	64.2	22.9
09/06/95	09:05	70.5	11.9	2.1	29.32	65.8	28.7
09/06/95	09:10	71.2	9.9	1.8	29.32	64.6	63.2
09/06/95	09:15	71.4	13.9	3	29.32	61.2	32.7
09/06/95	09:20	71.9	7.9	2.8	29.32	59.5	39.3
09/06/95	09:25	72.8	69	2.5	29.33	58.8	59.9
09/06/95	09:30	73.9	354.8	2	29.33	58.7	43.4
09/06/95	09:35	74.3	32.1	3	29.33	56.3	37.1
09/06/95	09:40	75	38	3.2	29.33	56	39.3
09/06/95	09:45	75.2	33	2.9	29.33	54.4	20.3
09/06/95	09:50	76.4	58	2.2	29.32	54.3	61.3
09/06/95	09:55	76.7	71.8	4.1	29.33	50.8	44.1
09/06/95	10:00	76.8	87.9	4.1	29.33	49.9	48.7
09/06/95	10:05	77.7	70.9	3.5	29.32	48.6	50.7
09/06/95	10:10	77.2	65	6.9	29.32	46.5	24.3
09/06/95	10:15	77.4	87.9	5.1	29.32	47.5	34.4
09/06/95	10:20	77.4	106	6.4	29.32	47	23.9
09/06/95	10:25	78.2	49.9	4.5	29.31	48.4	28.4
09/06/95	10:30	78.7	56	4.3	29.31	46.9	31.6
09/06/95	10:35	79.4	76	4.4	29.31	49.3	54.6
09/06/95	10:40	80	101	3.9	29.31	46.2	50.3
09/06/95	10:45	79.8	70.9	4	29.31	45.8	44.5
09/06/95	10:50	80	96.9	4.2	29.31	46.7	42.5
09/06/95	10:55	80.4	54.9	3.4	29.31	46.9	44.3

Meteorological Data	ı						
			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/06/95	11:00	80.6	29	5.6	29.31	45.9	31.5
09/06/95	11:05	80.2	18	5.1	29.31	46.2	43.8
09/06/95	11:10	80.8	69	4.6	29.31	45.5	28.5
09/06/95	11:15	80.6	105.8	4	29.31	45.7	43.6
09/06/95	11:20	81.5	222.8	3.8	29.3	48.4	92.1
09/06/95	11:25	81.6	68.1	5.2	29.3	45.7	37.4
09/06/95	11:30	81.6	77.1	5.5	29.3	45	35.8
09/06/95	11:35	81.5	83	6.1	29.3	45.5	28.1
09/06/95	11:40	81.2	94	5.4	29.3	45.3	26.1
09/06/95	11:45	81.9	56.9	5.2	29.3	46	40.2
09/06/95	11:50	82.2	72	6.5	29.3	45.3	42.7
09/06/95	11:55	81.7	115	7.1	29.29	45.4	31.5
09/06/95	12:00	82.4	60.9	4.8	29.29	46.5	37.2
09/06/95	12:05	82.3	85.9	6.6	29.29	45.1	30.3
09/06/95	12:10	82.1	54.9	5.5	29.29	45.6	24.4
09/06/95	12:15	82.9	108	6.1	29.28	45.7	57.1
09/06/95	12:20	82.8	60	6.3	29.28	45.2	30.3
09/06/95	12:25	83.4	42.9	3.7	29.28	45.8	31.6
09/06/95	12:30	83.7	54	5.3	29.28	45.2	53.5
09/06/95	12:35	83.8	87	6.4	29.28	46	40.7
09/06/95	12:40	83.2	85	6.4	29.28	44.2	26
09/06/95	12:45	83.3	56	5.3	29.27	44.3	42.3
09/06/95	12:50	83.6	38.9	6.1	29.27	43.7	30.3
09/06/95	12:55	83.9	121.1	4	29.27	44.1	72.2
09/06/95	13:00	83.4	9	5.5	29.27	43.7	40.3
09/06/95	13:05	83.5	65	5.5	29.27	44.6	38.1
09/06/95	13:10	84.3	47.9	7.2	29.26	43	59.5
09/06/95	13:15	84	78	6.6	29.26	41.2	23.8
09/06/95	13:20	84.8	79	4.4	29.26	42.5	58.4
09/06/95	13:25	85.7	81	6.3	29.25	41.2	23.6
09/06/95	13:30	85.2	56	5.7	29.25	40.7	38.3
09/06/95	13:35	83.5	24.9	7.2	29.25	40.5	36.9
09/06/95	13:40	84.2	18	6.1	29.25	41.5	44.8
09/06/95	13:45	83.7	- 67.9	·- 7.5	-29.25	- 39.7	- 27.2
09/06/95	13:50	83.7	52	5.9	29.25	41.4	45.1
09/06/95	13:55	84.7	45.9	6.1	29.24	39	39.3
09/06/95	14:00	84.6	33.9	7.1	29.24	39.8	40.4
09/06/95	14:05	84	67.9	6.3	29.24	39.9	40
09/06/95	14:10	84.9	77.1	5.5	29.23	40.1	29.6
09/06/95	14:15	85.5	38.9	6.1	29.22	38.7	37.2
09/06/95	14:20	85.1	57.1	6.4	29.22	37.9	33.2
09/06/95	14:25	85.3	78.9	7	29.22	38.7	38.2
09/06/95	14:30	85.4	77.1	6.5	29.22	38.7	33.1
09/06/95	14:35	84.7	85.9	5.8	29.22	38.5	35.3
09/06/95	14:40	84.4	77.1	6.9	29.22	38.6	25.2
09/06/95	14:45	85	70.9	4.4	29.21	38.4	43.6
09/06/95	14:50	84.4	42	6	29.21	38.7	37.5
09/06/95	14:55	84.4	25	5.6	29.21	39.8	37
09/06/95	15:00	84.9	85	5.2	29.21	36.9	41.3
09/06/95	15:05	85.2	76	6	29.21	38.4	49.8
09/06/95	15:10	85.3	56	6.9	29.2	37.3	37.7
09/06/95	15:15	85.2	51.9	6.6	29.2	35.7	50.5
09/06/95	15:20	85.1	58	5.5	29.2	35.1	37.5
09/06/95	15:25	85.5	42	5.8	29.2	34.7	31.5
09/06/95	15:30	85.3	94	6.6	29.19	35.6	39.3
09/06/95	15:35	85.2	103	5.2	29.19	36.8	34.1
09/06/95	15:40	85	76	6	29.19	36.2	27.9
00.00.00	, .5.40		1			50.2	21.3

			WD	WS			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/06/95	15:45	84.8	75.1	6.3	29.19	35.3	3
09/06/95	15:50	84.5	76	7.4	29.19	36.4	27.
09/06/95	15:55	84.8	97.9	4.2	29.19	36.8	34.
09/06/95	16:00	84.9	110	5.6	29.19	37.8	2
09/06/95	16:05	85.3	80.1	5.1	29.19	37.4	34.
09/06/95	16:10	85.5	58	4.2	29.18	37.2	33.
09/06/95	16:15	85.4	78.9	5.9	29.18	36.7	21.
09/06/95	16:20	85	88	5	29.18	37.4	37.
09/06/95	16:25	84.3	71.8	5.6	29.19	37.3	23.
09/06/95	16:30	83.5	60	3.7	29.19	39.2	29
Run 21					1		
09/06/95	16:50	85.1	31.9	4.2	29.18	39.6	2
09/06/95	16:55	84.8	74.9	6.6	29.18	40.5	29.
09/06/95	17:00	84.1	61.9	5.1	29.19	40.2	29
09/06/95	17:05	83.6	78.9	5.1	29.18	40.6	21.
09/06/95	17:10	83.7	57.1	5.1	29.18	41.9	38
09/06/95	17:15	83.6	56	5.5	29.18	42.4	32
09/06/95	17:20	83.5	87.9	3.6	29.19	43.3	4
09/06/95	17:25	83.5	38.9	4.5	29.19	43.7	39
09/06/95	17:30	83.1	60	4.8	29.18	42.4	34
09/06/95	17:35	82.8	29.9	5.2	29.18	42.8	33
09/06/95	17:40	82.5	63	5.3	29.18	42.9	34
09/06/95	17:45	82.5	52	2.6	29.18	44.2	1
09/06/95	17:50	82.3	58	4.3	29.18	44.4	26
09/06/95	17:55	82.1	69	3.5	29.18	45.8	25
09/06/95	18:00	81.7	84.1	3	29.18	46.4	31
09/06/95	18:05	81.5	74.9	4	29.19	47.8	31
09/06/95	18:10	81	54	3.2	29.19	49	44
09/06/95	18:15	80.5	80.1	3.1	29.18	49.1	33
09/06/95	18:20	80.1	74.9	2.6	29.18	50.4	28
09/06/95	18:25	79.7	70.9	2.9	29.18	51,9	
09/06/95	18:30	79.4	80.8	2.6	29.18	52.4	25
09/06/95	18:35	78.9	63	1.3	29.18	53.5	16
09/06/95	18:40	78,3	61.9	1,1	29.17	56.7	28
09/06/95	18:45	77.6	36.9	1.1	29.17	60.3	30
09/06/95	18:50	77.1	356.4	1,1	29.17	63.6	21
09/06/95	18:55	76.7	8.8	1.1	29.17	63.9	1
09/06/95	19:00	75.8	347.4	1.1	29.17	70.6	23
09/06/95	19:05	74.2	334.1	1.1	29.17	71.8	7
09/06/95	19:10	73.6	342.4	1.1	29 17	73.1	9
09/06/95	19:15	73.5	345.4	1.1	29.17	77.8	<u>ə</u>
09/06/95	19:20	72.5	333.9	1.1	29.17	78.4	6
09/06/95	19:25	71.4	325.3	1.1	29.17	80.2	9
09/06/95	19:30	70.7	329.4	1.1	29.17	81.1	5
09/06/95	19:35	70.4	329.9	1.1	29.17	82.5	7
09/06/95	19:40	69.9	336.4	1.1	29.17	85.7	7
09/06/95	19:45	69.6	331.4	1.1	29.17	85.5	8
09/06/95	19:50	70	347.4	1.1	29.17	87.9	16
09/06/95	19:55	69.1	354.4	1.1	29.17	88	6
09/06/95	20:00	68.9	329.4	1.1	29.17	89.3	10
09/06/95	20:05	68.9	331	1.1	29.17	90.8	9
09/06/95	20:03	68.5	321.3	1.1	29.17	93	9
09/06/95	20:15	68.2	341.3	1.1	29.17	93.6	39
09/06/95	20:15	67.7	331	1.1	29.17	93.0	22
09/06/95	20:25		338.4			93.1	
09/06/95		68.2	350.8	1.1	29.17		14
09/06/95	20:30	68.9 69.3	350.8 15	1.1 1.2	29.17 29.17	93.5 91.4	10 35

eteorological Data							
			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/06/95	20:40	70	9	1.7	29.17	88.5	35.2
09/06/95	20:45	70.2	0.9	2	29.17	85.9	25.9
09/06/95	20:50	69.8	6.9	1.4	29.18	84.8	19.4
09/06/95	20:55	69.1	355.3	1.1	29.18	87.4	9.9
09/06/95	21:00	68.6	0.9	1.1	29.18	90.1	14.5
09/06/95	21:05	68.9	353.3	1.1	29.18	89.6	25.1
09/06/95	21:10	68.6	335.3	1.1	29.18	90.2	14.5
09/06/95	21:15	68.5	345.8	1.6	29.18	90.6	17.2
09/06/95	21:20	68.6	343.3	1.1	29.18	89.5	18.5
09/06/95	21:25	67.7	344.3	1.1	29.19	89.8	13.4
09/06/95	21:30	66.8	343.8	1.1	29.19	92.8	5.7
09/06/95	21:35	66	327.8	1.1	29.19	94.3	15
09/06/95	21:40	65.4	326.3	1.1	29.19	95.8	10.6
09/06/95	21:45	64.8	323.3	1.1	29.19	95.9	13.2
09/06/95	21:50	64.7	309.2	1.1	29.19	96.7	7.4
09/06/95	21:55	64.1	322.4	1.1	29.19	98.7	13.6
09/06/95	22:00	63.8	310.3	1.1	29.19	98.6	21.7
09/06/95	22:05	63.5	307.8	1.1	29.19	99.5	5.3
09/06/95	22:10	63.4	330.3	1.1	29.19	98.8	6.9
09/06/95	22:15	63.2	325.3	1.1	29.19	98.3	9.1
09/06/95	22:20	63.1	319.9	1.1	29.19	99.3	5.3
09/06/95	22:25	62.8	322.9	1.1	29.19	99.6	3.6
09/06/95	22:30	62.3	331.9	1.1	29.19	99.7	6
09/06/95	22:35	61.9	332.8	1.1	29.19	99.7	5.4
09/06/95	22:40	61.7	317.3	1.1	29.19	99.7	10.8
09/06/95	22:45	61.7	306.4	1,1	29.19	99.7	5.5
09/06/95	22:50	61.5	308.3	-	29.19	99.7	3.9
09/06/95				1.1			12.4
09/06/95	22:55 23:00	61.2 61.1	319.9 312.8	1.1	29.19 29.19	99.7 99.7	1.6
09/06/95	23:05	61	316.3		29.19	99.7	
				1.1			1.9
09/06/95	23:10	60.5	319.9	1.1	29.19	99.7	6
09/06/95	23:15	60.3	325.8	1.1	29.19	99.7	4.4
09/06/95	23:20	60.1	312.8	1.1	29.19	99.7	8.6
09/06/95	23:25	60	331.4	1.1	29.19	99.7-	9.3
09/06/95	23:30	59.8	324.4	1.1	29.19	99.7	0
09/06/95	23:35	59.7	323.8	1.1	29.19	99.7	4.7
09/06/95	23:40	- 59.7	316.8	1,1	29.19	99.7	10.8
09/06/95	23:45	59.3	328.3	1.1	29.19	99.7	0.3
09/06/95	23:50	59.3	350.1	1.1	29.19	99.7	11
09/06/95	23:55	59.1	348.3	1.1	29.19	99.7	9
09/06/95	00:00	58.9	324.4	1.1	29.19	99.7	11.7
09/07/95	00:05	58.7	320.4	1.1	29.19	99.7	2.6
09/07/95	00:10	58.5	335.3	1.1	29.19	99.7	4.9
09/07/95	00:15	58.6	317.3	1.1	29.18	99.7	12.5
09/07/95	00:20	58.4	306.4	1.1	29.18	99.7	8.1
09/07/95	00:25	58	306.9	1.1	29.19	99.7	5.8
09/07/95	00:30	57.8	314.8	1.1	29.19	99.7	10.1
09/07/95	00:35	57.7	306.9	1.1	29.19	99.7	15.4
09/07/95	00:40	57.5	306.9	1.1	29.18	99.7	8.
09/07/95	00:45	57.3	311.2	1.1	29.18	99.7	1.6
09/07/95	00:50	57.3	309.2	1.1	29.18	99.7	5.5
	00:55	57.3	328.9	1.1	29.18	99.7	1:
09/07/95	00.55					 	4.9
09/07/95 09/07/95	01:00	57.3	311.9	1.1	29.18	99.7	
		57.3 57.1	311.9 319.3	1.1	29.18 29.17	99.7	
09/07/95 09/07/95	01:00 01:05	57.1		1.1	29.17	99.7	19.1
09/07/95	01:00		319.3	 		 	19.1

Meteorological Data							
			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/07/95	01:25	56.5	302.2	1.1	29.17	99.7	14.7
09/07/95	01:30	56.1	314.3	1.1	29.16	99.7	16.1
09/07/95	01:35	56.1	332.3	1.1	29.16	99.7	0.1
09/07/95	01:40	56.1	315.4	1.1	29.16	99.7	11
09/07/95	01:45	55.9	325.8	1.1	29.16	99.7	1.2
09/07/95	01:50	55.6	326.9	1.1	29.16	99.7	1
09/07/95	01:55	55.9	312.3	1.1	29.16	99.7	17.7
09/07/95	02:00	56	317.3	1.1	29.16	99.7	12.6
09/07/95	02:05	56.3	310.3	1.1	29.16	99.7	11.7
09/07/95	02:10	56.4	308.3	1,1	29.16	99.7	9.3
09/07/95	02:15	55.8	310.9	1.1	29.16	99.7	14.2
09/07/95	02:20	55.4	332.8	1.1	29.16	99.7	22.2
09/07/95	02:25	55.2	294.3	1.1	29.16	99.7	35.3
09/07/95	02:30	55.1	190.1	1.1	29.16	99.7	35.3
09/07/95	02:35	55.3	341.3	1.1	29.16	99.7	24
09/07/95	02:40	55	359.8	1.1	29.15	99.7	1.9
09/07/95	02:45	55	334.3	1.1	29.15	99.7	15
09/07/95	02:50	55.4	338.4	1.1	29.15	99.7	6.9
09/07/95	02:55	55.1	337.3	1.1	29.15	99.7	0
09/07/95	03:00	54.8	323.3	1.1	29.15	99.7	12.8
09/07/95	03:05	55	306.9	1.1	29.15	99.7	10.7
09/07/95	03:10	55	288.4	1.1	29.15	99.7	5.7
09/07/95	03:15	55	283.3	1.1	29.15	99.7	17.5
09/07/95	03:20	54.6	317.3	1.1	29.15	99.7	15.2
09/07/95	03:25	54.4	301.9	1.1,	29.15	99.7	11.4
09/07/95	03:30	54.4	308.3	1.1	29.14	99.7	25.6
09/07/95	03:35	54	341.3	1.1	29.14	99.7	27.7
09/07/95	03:40	54.1	329.4	1.1	29.14	99.7	9.4
09/07/95	03:45	54	308.3	1.1	29.14	99.7	8.7
09/07/95	03:50	53.8	303.3	1.1	29.14	99.7	9.4
09/07/95	03:55	53.6	306.4	1.1	29.14	99.7	9.4
09/07/95	04:00	53.7	321.3	1.1	29.14	99.7	12
09/07/95	04:05	53.6	334.1	1.1	29.14	99.7	17.7
09/07/95	04:10	53.3	305.3	1.1	29.14	99.7	10.4
09/07/95	04:15	53.3	314.3	1.1	29.14	99.7	13.6
09/07/95	04:20	53.3	308.3	1.1	29.14	99.7	6.4
09/07/95	04:25	53.4	340.4	1.1	29.13	99.7	11.5
09/07/95	04:30	53.4	334.3	1.1	29.13	99.7	6
09/07/95	04:35	53.4	308.3				
09/07/95	04:40	53.4	314.3	1.1	29.13 29.13	99.7 99.7	5.8
09/07/95	04:45						22.5
		53.6	308.3	1.1	29.13	99.7	14
09/07/95	04:50	53.6	290.9	1.1	29.13	99.7	9.7
09/07/95	04:55	53.7	311.2	1,1	29.14	99.7	10.4
09/07/95	05:00	53.2	303.3	1.1	29.14	99.7	9.7
09/07/95	05:05	53	304.9	1.1	29.14	99.7	10.6
09/07/95	05:10	53	305.3	1.1	29.14	99.7	12.6
09/07/95	05:15	52.9	293.9	1.1	29.14	99.7	26.6
09/07/95	05:20	52.7	295.9	1.1	29.13	99.7	16.1
09/07/95	05:25	52.7	306.4	1.1	29.13	99.7	3.2
09/07/95	05:30	52.9	316.3	1.1	29.13	99.7	11.5
09/07/95	05:35	52.9	314.3	1.1	29.14	99.7	5.3
09/07/95	05:40	52.8	312.3	1.1	29.14	99.7	7.4
09/07/95	05:45	52.7	320.4	1.1	29.14	99.6	10.7
09/07/95	05:50	52.7	286.2	1,1	29.14	99.6	7.9
09/07/95	05:55	52.4	317.3	1.1	29.14	99.7	7.2
09/07/95	06:00	52.1	327.1	1.1	29.14	99.7	0
09/07/95	06:05	52.2	323.3	1.1	29.14	99.7	4.9

eorological Data							
		l	WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/07/95	06:10	52.1	317.3	1.1	29.14	99.7	6.5
09/07/95	06:15	52	312.3	1.1	29.14	99.7	2.7
09/07/95	06:20	52	319.3	1.1	29.14	99.6	19
09/07/95	06:25	51.9	347	1.1	29.14	99.6	0.9
09/07/95	06:30	51.7	347.4	1.1	29.14	99.6	0
09/07/95	06:35	51.8	347.4	1.1	29.14	99.7	0
09/07/95	06:40	51.7	347.4	1.1	29.14	99.6	0.3
09/07/95	06:45	52.2	345.8	1.1	29.14	99.6	7
Run 22							
09/07/95	12:20	83.5	85.9	6.6	29.13	44.6	28.2
09/07/95	12:25	83.1	113	4.8	29.13	45.9	45.1
09/07/95	12:30	83.9	57.1	5.3	29.13	45.4	42.5
09/07/95	12:35	83.4	130.1	5.1	29.13	44.7	36.1
09/07/95	12:40	84.3	94	4.4	29.14	43.6	29.6
09/07/95	12:45	84.4	119	5.1	29.13	44.4	16.8
09/07/95	12:50	84.2	11.9	4	29.13	44.7	37.5
09/07/95	12:55	84.7	342.4	6.4	29.13	41.4	55.5
Run 23							
09/07/95	16:50	86.8	20.9	2.4	29.07	31.8	50
09/07/95	16:55	86.2	112	1.2	29,07	33.7	51.6
09/07/95	17:00	85.2	79.9	1.1	29.08	35.5	51.8
09/07/95	17:05	85.4	65	1.1	29.07	35.5	84.2
09/07/95	17:10	. 86.1	200.9	1.1	29.07	34.1	83.3
09/07/95	17:15	86.9	216.9	1.2	29.07	32.6	61.6
09/07/95	17:20	87	143.8	1.5	29.07	32.7	80.2
09/07/95	17:25	86.8	88	1.3	29.07	33	67.8
09/07/95	17:30	85.7	117	1.3	29.07	34.9	76.9
09/07/95	17:35	85.5	67	1.3	29.07	34.8	54.7
09/07/95	17:40	85.5	110	1.3	29.07	34.7	63.8
09/07/95	17:45	85.5	117	1.1	29.07	33.8	45.9
09/07/95	17:50	84.8	58	1.1	29.07	35.6	33.3
09/07/95	17:55	83.4	42.9	1.1	29.07	40.1	0
09/07/95	18:00	81.5	42.9	1.1	29.08	45.3	56.5
09/07/95	18:05-	79.8	42.9	1.1	29.08	49.5	0.6
09/07/95	18:10	78.7	54.9	1.1	29.08	53.8	11.4
09/07/95	18:15	77.9	57.1	1.1	29.08	57.2	2.7
09/07/95	18:20	77.5	31.9	1.1	29.07	58.4	10.7
09/07/95	18:25	78	27.9	1.1	29.07	58.4	0.8
09/07/95	18:30	78.5	27.9	1.1	29.07	57.7	0.8
09/07/95	18:35	78.1	27	1,1	29.07	57.5	0.1
09/07/95	18:40	77.3	26.8	1.1	29.07	60.7	1
09/07/95	18:45	76.1	27.9	1.1	29.08	64.4	0
09/07/95	18:50	75.1	27.9	1.1	29.08	68.1	0
09/07/95	18:55	74.1	26.8	1.1	29.08	72.2	1.1
09/07/95	19:00	73.3	27	1.1	29.08	74.6	0
09/07/95	19:05	72.6	27	1.1	29.07	72	0
09/07/95	19:10	71.9	27	1.1	29.07	73.9	0
09/07/95	19:15	71.4	27	1.1	29.07	76.4	0
09/07/95	19:20	70.8	26.8	1.1	29.07	76.2	1
09/07/95	19:25	70.3	27.9	1.1	29.07	78.3	0
09/07/95	19:30	69.8	27	1.1	29.07	80.7	0.5
09/07/95	19:35	69.3	27	1.1	29.07	83.4	0
09/07/95	19:40	68.9	27	1.1	29.07	84.2	0
09/07/95	19:45	68.5	27	1.1	29.07	85.9	0
09/07/95	19:50	_ 68	27	1.1	29.07	87.6	0
09/07/95	19:55	67.6	27	1.1	29.07	88.8	0
09/07/95	20:00	67.3	27	1.1	29.08	89.6	0

Meteorological Data						<u></u>	
			WD	ws			
-			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
09/07/95	20:05	67	27	1.1	29.08	90.7	0
09/07/95	20:10	66.7	27	1.1	29.08	91.4	0
09/07/95	20:15	66.5	27	1.1	29.08	93.4	0
09/07/95	20:20	66.2	27	1.1	29.08	94.3	0
09/07/95	20:25	65.9	27	1.1	29.08	94.8	0
09/07/95	20:30	65.6	27	1.1	29.09	94.9	0.1
09/07/95	20:35	65.4	27	1.1	29.09	95.3	0
09/07/95	20:40	65.3	27	1.1	29.09	96.4	0
09/07/95	20:45	65	27	1.1	29.09	97.6	0
09/07/95	20:50	64.8	26.8	1.1	29.09	99.1	0.8
09/07/95	20:55	64.6	34.9	1.1	29.09	99.6	4.1
09/07/95	21:00	64.4	38	1.1	29.09	99.6	0
09/07/95	21:05	64.1	38	1.1	29.09	99.7	0
09/07/95	21:10	63.9	38.9	1.1	29.09	99.7	0
09/07/95	21:15	63.7	38.9	1.1	29.1	99.7	0
09/07/95	21:20	63.5	38	1.1	29.1	99.7	0
09/07/95	21:25	63.4	38	1.1	29.1	99.7	1.2
09/07/95	21:30	63.2	36	1.1	29.1	99.7	0
09/07/95	21:35	62.9	36	1.1	29.1	99.7	0
09/07/95	21:40	62.7	33	1.1	29.1	99.7	3
09/07/95	21:45	62.6	29.9	1.1	29.1	99.7	0.6
09/07/95	21:50	62.5	32.1	1.1	29.1	99.7	0
09/07/95	21:55	62.4	32.1	1.1	29.1	99.7	0
09/07/95	22:00	62.1	31.9	1.1	29.1	99.7	0
09/07/95	22:05	62	34.9	1.1	29.1	99.7	0
09/07/95	22:10	61.8	27.9	1.1	29.1	99.7	1.4
09/07/95	22:15	61.7	27.9	1.1	29.1	99.7	0
09/07/95	22:20	61.5	27.9	1.1	29.1	99.7	. 0
09/07/95	22:25	61.3	27.9	1.1	29.1	99.7	0
09/07/95	22:30	61.2	27.9	1.1	29.1	99.7	0
09/07/95 .	22:35	61	29.9	1.1	29,1	99.7	6
09/07/95 09/07/95	22:40	61.1	67	1.1	29.1	99.7	0
	22:45	61	11.9	1.1	29.1	99.7	41
09/07/95 09/07/95	22:50 22:55	60.8	340.4 20	1.1	29.1 29.1	99.7 99.7	0
09/07/95	23:00	60.7 60.7	57.1		29.1	99.7	37.5
09/07/95	23:05	60.7	319.3	· 1.1	29.1	99.7	0.8
09/07/95	23:05	60.7	9.9	1.1	29.1	99.7	21.3
09/07/95	23:10	60.4	9.9	1.1	29.1	99.7	
09/07/95	23:20	60.2	9.9	1.1	29.1	99.7	3
09/07/95	23:25	60.2	2.9	1.1	29.1	99.7	3.2
09/07/95	23:30	60.1	6.9	1.1	29.1	99.7	6.4
09/07/95	23:35	59.9	358.4	1.1	29.1	99.7	0.4
09/07/95	23:40	59.8	358.4	1.1	29.1	99.7	0
09/07/95	23:45	59.7	358.4	1.1	29.1	99.7	0.9
09/07/95	23:50	59.7	355.9	1.1	29.1	99.7	1.4
09/07/95	23:55	59.5	353.9	1.1	29.1	99.7	2.5
09/07/95	00:00	59.5	359.3	1.1	29.1	99.7	26.1
09/08/95	00:05	59.4	29	1.1	29.1	99.7	5.8
09/08/95	00:00	59.2	20	1.1	29.1	99.7	4.4
09/08/95	00:15	59.1	18	1.1	29.1	99.7	0
00/00/00	00.10	33.1		1.1	20.1	. 33.7	<u>. </u>

Small town POTW

eorological Data	<u> </u>		wb	ws			
 -			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
Run 24		Lost for Run		(IIIPII)	(iii ig)	(/0)	111612
nuii 24	Wel Dala	LOST TOT HUIT	Z4 				
Run 25			ļ				
10/04/95	14:40	86.4	217.3	1.1	28.47	25.4	2
10/04/95	14:45	86.8	202.9	1.1	28.47	25.3	19.
10/04/95	14:50	87	217.3	1.1	28.47	25.8	28.
10/04/95	14:55	86.7	163.8	1.1	28.47	25.9	22
10/04/95	15:00	86.4	181.1	1.1	28.47	25.7	
10/04/95	15:05	86.8	201.2	1.1	28.47	26.7	30.
10/04/95	15:10	86.8	218.2	1.1	28.46	26.9	15.
10/04/95	15:15	87.6	172.8	1.1	28.46	27.3	27.
10/04/95	15:20	87.7	185.2	1.1	28.46	26.2	17.
10/04/95	15:25	87.2	194.2	1.1	28.46	27.7	19.
10/04/95	15:30	87	191.2	1.1	28.45	27.6	17.
10/04/95	15:35	86.5	178	1.1	28.45	27.6	23.
10/04/95	15:40	87.1	189.2	1.1	28.45	27	17.
10/04/95	15:45	86.8	212.2	1.1	28.44	27.8	
10/04/95	15:50	87.3	192.2	1.1	28.44	27.2	23.
10/04/95	15:55	86.4	214.2	1.1	28.44	28.2	32.
10/04/95	16:00	87	174.1	1.1	28.44	28.5	15.
10/04/95	16:05	86.7	217.8	1.1	28.44	28.1	13
10/04/95	16:10	87.2	204.1	1.1	28.44	28.2	36.
10/04/95	16:15	87.3	168.1	1.1	28.44	28.3	24.
10/04/95	16:20	86.8	171.2	1.1	28.44	29.3	22
10/04/95	16:25	86.9	190.8	1.1	28.44	29.8	19.
Run 26							
10/04/95	17:20	87.6	178.2	3.1	28.42	27.2	14
10/04/95	17:25	88.1	188.8	3.3	28.41	26.9	2
10/04/95	17:30	87.8	180.9	2.7	28.41	26.7	15.
10/04/95	17:35	88	170.1	3.2	28.41	26.9	13.
10/04/95	17:40	88.2	191.2	3.5	28.41	25.7	. 14.
10/04/95	17:45	88.2	205.2	2.2	28.41	25.9	21.
10/04/95	17:50	88.6	195.1	1.5	28.41	25.6	14
10/04/95	17:55	88.4	202	3.4	28.41	26	15
10/04/95	18:00	88	196.2	2.2	28.41	26.3	
10/04/95	18:05	88	192.2	3.1	28.41	26.8	1
10/04/95	18:10	87.7	184	2.8	28.41	27.3	13
10/04/95	18:15	87.6	200.9	1.7	28.41	27.7	17
10/04/95	18:20	87.6	203.2	1.7	28.41	27.7	16
10/04/95	18:25	87.4	204.1	1.5	28.41	27.6	10
10/04/95	18:30	87	191.9	2.4	28.41	28.1	13
10/04/95	18:35	86.7	183.1	2.7	28.41	29.5	9
10/04/95	18:40	86.5	190.1	2.2	28.41	30.1	11
10/04/95	18:45	86.2	184.9	3.1	28.4	30.9	10
10/04/95	18:50	85.6	185.9	1.2	28.4	31.7	10
10/04/95	18:55	84.9	184.9	1.1	28.4	32.5	9
10/04/95	19:00	84.2	176.9	1.1	28.39	33.3	12
10/04/95	19:05	83.8	179.8	1.1	28.39	34.2	6
10/04/95	19:10	83.1	175.1	1.1	28.39	36.2	5
10/04/95	19:15	82.4	177.1	1.1	28.39	37.6	3
10/04/95	19:20	81.8	180.9	1.1	28.39	38.8	2
10/04/95	19:25	80.9	187.2	1.1	28.39	40.8	
10/04/95	19:30	80.2	187.2	1.1	28.39	43.1	
10/04/95	19:35	79.6	187.2	1.1	28.39	46.6	
10/04/95	19:40	79	187.2 187.2	1.1	28.39 28.39	48.3 52.9	
10/04/95	19:45	78.2		1.1			

Small town POTW

Meteorological Data							
			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
10/04/95	19:55	77.2	187.2	1.1	28.38	56.8	0
10/04/95	20:00	76.8	187.2	1.1	28.38	60.3	5.3
10/04/95	20:05	76.4	187.2	1.1	28.38	61	0
10/04/95	20:10	76.1	187.2	1.1	28.38	62.3	0
10/04/95	20:15	75.7	187.2	1.1	28.38	59.1	2.2
10/04/95	20:20	75.5	190.1	1.1	28.38	57.8	1.4
10/04/95	20:25	75.3	189.9	1.1	28.38	57.6	0.8
10/04/95	20:30	75	191.9	1.1	28.38	57.5	1.7
10/04/95	20:35	74.7	202.1	1.1	28.38	59	1.6
10/04/95	20:40	74.3	203.9	1.1	28.38	59.1	2.1
10/04/95	20:45	74.1	207.2	1,1	28.38	59	0.8
10/04/95	20:50	74.2	207.2	1.1	28.39	59.5	13.4
10/04/95	20:55	74.5	193.9	1.1	28.39	59.3	5.5
10/04/95	21:00	74.3	197.1	1.1	28.39	58.9	0
10/04/95	21:05	74	204.1	1.1	28.39	59.1	1.6
10/04/95	21:10	74	193.9	1.1	28.39	59.1	7.6
10/04/95	21:15	73.9	202.9	1.1	28.39	58.7	8.8
10/04/95	21:20	73.6	202.9	1.1	28.39	59	3.9
10/04/95	21:25	73.5	203.9	1.1	28.4	59.5	6.6
10/04/95	21:30	73.3	209.9	i.i	28.4	59.8	5
10/04/95	21:35	73.5	201.2	1.1	28.4	59.7	5.7
10/04/95	21:40	73.7	200.9	1.1	28.4	58.3	7.2
10/04/95	21:45	73.7	192.2	1,1	28.4	57.4	10.9
10/04/95	21:50	73.7	196.9	1.1	28.4	57.1	11.4
10/04/95	21:55	73.6	197.1	1.1	28.4	56.8	9.8
10/04/95	22:00	73.4	197.1	1.1	28.4	57.3	3.8
10/04/95	22:05	73.4	196.9	1.1	28.4	57.6	8.3
10/04/95	22:10	73.1	202.9	1.1	28.4	57.8	5.5
10/04/95	22:15	72.8	209.2	1.1	28.4	58.7	3.2
10/04/95	22:20	72.5	207.9	1,1	28.41	59.8	4.7
10/04/95	22:25	72.8	197.1	1.1	28.41	59.7	12
10/04/95	22:30	72.9	202.1	1.1	28.41	59.6	9.9
10/04/95	22:35	73.2	198.2	1.1	28.41	58.9	
10/04/95	22:40	73.4	193.1				12.4
				1.1	28.41	58.1	15.3
10/04/95 10/04/95	22:45	73.4	199.1	1.1	28.41	58.1	11
	22:50	73.3	195.1	1.1	28.41	58	7.2
10/04/95 10/04/95	22:55	72.9	195.1	1.1	28.41	58.9	7.2
	23:00	72.7	186.8	1.1	28.41	60	11.5
10/04/95	23:05	72.6	198.2	1.1	28.41	60.9	5.5
10/04/95	23:10	72.2	207.2	1.1	28.41	61.8	0
10/04/95	23:15	72.1	204.1	1,1	28.42	62.9	3.9
10/04/95	23:20	72	198.2	1.1	28.42	64	0
10/04/95	23:25	71.6	198.2	1.1	28.42	65.1	0
10/04/95	23:30	71.5	206.1	1.1	28.42	66.8	7.9
10/04/95	23:35	71.5	214.9	1.1	28.42	66	0.6
10/04/95	23:40	71.6	212.2	1.1	28.41	66.5	3
10/04/95	23:45	71.6	204.1	1.1	28.41	66.2	6.1
10/04/95	23:50	72.1	209.9	1.1	28.41	65.3	6.9
10/04/95	23:55	72.2	198.9	1.1	28.41	64.4	11.3
10/04/95	00:00	72	190.8	1.1	28.41	64.8	10.8
10/05/95	00:05	71.9	200.2	1.1	28.41	64.4	6.8
10/05/95	00:10	71.9	202.1	1.1	28.41	64.9	9.2
10/05/95	00:15	72.6	210.1	1.1	28.41	64	15.7
10/05/95	00:20	72.9	223.9	1.1	28.41	62.3	13.7
10/05/95	00:25	73.2	240.3	1.3	28.41	60.1	15.6
	00:30	73.1	243.2	1.1	28.41	59.9	9.8
10/05/95	00.50	/ 3.1	245.2	1 1.1	20.41	35.5	3.0

Small town POTW

			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
10/05/95	00:40	72.6	229.1	1.1	28.41	61.3	1110111
10/05/95	00:45	72.3	190.1	1.1	28.41	62.7	24.5
10/05/95	00:50	72.2	241.2	1.1	28.41	63.7	27.
10/05/95	00:55	71.7	188.1	1.1	28.4	65.3	12
10/05/95	01:00	72	238.9	1.1	28.4	64.2	1
10/05/95	01:05	71.8	231.8	1.1	28.4	65.2	15.
10/05/95	01:10	71.6	202.1	1.1	28.4	66.5	19.
10/05/95		71.4	234.2	1.1	28.4	66.5	26.
	01:15	70.5	288.4	1.1	28.4	67.4	1.
10/05/95	01:20					69.6	- 1.
10/05/95	01:25	69.4	289.3	1.1	28.4		
10/05/95	01:30	69.9	321.8	1.1	28.4	70.1	30.
10/05/95	01:35	70.7	238	1.1	28.4	68.2	24.
10/05/95	01:40	71.1	233.3	1.1	28.4	68.3	5.
10/05/95	01:45	71	231.8	1.1	28.4	69.1	
10/05/95	01:50	71.2	242.8	1,1	28.4	68.8	7.
10/05/95	01:55	70.7	238.1	1.1	28.4	69.6	0.
10/05/95	02:00	70.5	240.3	1.1	28.4	71	5.
10/05/95	02:05	69.9	244.3	1.1	28.4	73.2	2.
10/05/95	02:10	69.7	267.3	1.1	28.4	74.7	26.
10/05/95	02:15	70.3	259.9	1.1	28.4	74.4	25.
10/05/95	02:20	70.7	252.2	1.1	28.4	72.8	19.
10/05/95	02:25	70.5	265.3	1.1	28.4	70.8	19.
10/05/95	02:30	70.1	274.3	1.1	28.4	71.7	
10/05/95	02:35	69.9	266.2	1.1	28.4	72.4	6.
10/05/95	02:40	69.8	256.3	1.1	28.4	73.5	0.
10/05/95	02:45	69.8	257.2	1.1	28.4	73.6	4.
10/05/95	02:50	70.6	256.3	1.1	28.4	71.2	14.
10/05/95	02:55	.70.8	265.9	1.1	28.4	68.9	8.
10/05/95	03:00	69.8	273.2	1.1	28.41	71.3	
10/05/95	03:05	69.2	282.8	1.1	28.42	73.7	20.
10/05/95	03:10	68.9	317.3	1.1	28.43	75.6	
10/05/95	03:15	68.3	317.9	1.1	28.43	77.3	0.
10/05/95	03:20	68.2	349.9	3.4	28.47	75.2	35.
10/05/95	03:25	. 68.7	337.3	2.2	28.48	71.1	54.
10/05/95	03:30	68.8	318.8	1.2	28.48	70.6	33.
10/05/95	03:35	69.2	321.8	1.5	28.49	69.9	45.
10/05/95	03:40	69.2	318.8	1.1	28.48	69.8	32.
10/05/95	03:45	68.8	315.9	1.1	28.49	70.6	37.
10/05/95	03:50	68.5	308.3	1.1	28.49	71.8	28.
10/05/95	03:55	68.2	275.9	1.1	28.49	72.5	10.
10/05/95	04:00	68.1	283.3	1.1	28.49	73.4	
10/05/95	04:05	68.2	289.3	1.1	28.49	73.7	1
10/05/95	04:10	68.1	302.9	1.1	28.49	74.2	19.
10/05/95	04:15	68.1	309.8	1.1	28.49	74.8	27.
10/05/95	04:20	67.9	320.9	1.1	28.5	75	34.
10/05/95	04:25	67.7	298.3	1.1	28.5	75	34
10/05/95	04:30	67.4	300.8	1.1	28.5	75.2	24.
10/05/95	04:35	67.1	298.3	1.1	28.5	74.3	21.
10/05/95	04:35	66.7	305.3	1.1	28.5	74.3	28
10/05/95	04:45	66.4	318.1	1.4	28.51	64.4	50
10/05/95	04:50	66.1	312.8	1.3	28.51	59.8	33
10/05/95	04:55	65.8	305.8	1.3	28.52	58.8	35
10/05/95	05:00	65.4	320.4	1.3	28.52	57	17.
10/05/95	05:05	65.2	319.9	1.6	28.52	55.7	41.
10/05/95	05:10	64.9	326.9	1.1	28.52	55.3	37.
10/05/95	05:15	64.7	317.3	1.2	28.53	54.4	33
10/05/95	05:20	64.5	338.4	1.2	28.53	54.1	34.

Small town POTW

Meteorological Data	 		WD	ws	·		
	ļ		Scalar	Scalar	BP	RH	Ciama
Date	Time	Temp (F)		(mph)	(in Hg)	(%)	Sigma
10/05/95	05:25	64.2	(Deg) 325.8	1.3		54.6	Theta
10/05/95	05:30	64	330.3	1.3	28.53		26 23.2
	05:35				28.54	54.4	
10/05/95	05:35	63.9 63.8	319.3 336.8	1.6	28.54 28.54	53.9	44.8 40.4
10/05/95 10/05/95	05:40	63.4	333.4			53.8	
10/05/95	05:50	63.3	334.8	1.1	28.55 28.55	54.2	34.5
		-	334.8	1.4		54.2	58.5
10/05/95	05:55	63.1		1.1	28.55	54.5	28.7
10/05/95	06:00	62.7	320.4	1.3	28.56	54.9	58.9
10/05/95	06:05	62.5	321.8	1.1	28.56	54.8	35
10/05/95	06:10	62.3	320.9	1.1	28.56	55.5	28.2
10/05/95	06:15	62.2	331.4	1.2	28.56	56.1	29.9
10/05/95	06:20	62	322.9	1.1	28.56	56.6	20.3
10/05/95	06:25	62	323.3	1.3	28.56	56.1	23.3
10/05/95	06:30	61.8	337.3	1.1	28.56	56.5	23.6
10/05/95	06:35	61.5	307.8	1.1	28.57	57.3	24.4
10/05/95	06:40	61.2	288.4	1.1	28.57	58.7	15.8
10/05/95	06:45	60.8	304.4	1.1	28.57	60	31.5
10/05/95	06:50	60.6	310.9	1.1	28.58	60.4	28.1
10/05/95	06:55	60.5	329.4	1.1	28.58	60.3	26.6
10/05/95	07:00	60.2	308.3	1.1	28.58	61.4	32.6
10/05/95	07:05	60.1	318.2	1.1	28.58	61.5	15.9
10/05/95	07:10	60.1	332.3	1.1	28.59	61.2	20.1
10/05/95	07:15	60.1	. 291.8	1.2	28.59	61.1	20
10/05/95	07:20	60	325.8	1,1	28.59	61.1	25.1
10/05/95	07:25	60	327.8	1.1	28.6	60.8	30.4
10/05/95	07:30	60	317.3	1.1	28.6	61.1	15.6
10/05/95	07:35	59.7	323.3	1.1	28.6	62	5.7
10/05/95	07:40	59.6	318.8	1.1	28.61	62.1	10.8
10/05/95	07:45	59.7	312.8	1.1	28.61	61.5	25.4
10/05/95	07:50	59.9	318.2	1.1	28.61	61.1	16.1
10/05/95	07:55	60.1	314.3	1	28.61	59.8	12.5
10/05/95	08:00	60.4	304.4	1.1	28.62	58.7	21.3
10/05/95	08:05	60.7	309.2	1.1	28.62	57.2	21.2
10/05/95	08:10	61.2	309.2	1.1	28.62	55.1	21.6
10/05/95	08:15	61.5	321.3	1.1	28.62	54.4	23.3
10/05/95	08:20	61.8	330.8	11.1	28.63	52.7	20.8
10/05/95	08:25	62.1	332.1	1.1	28.63	51.7	19.7
10/05/95	08:30	62.5	325.3	1.1	28.63	50.3	22.3
10/05/95	08:35	62.7	332.3	1.1	28.63	49.5	27.7
10/05/95	08:40	63	324	1.1	28.64	48.4	25.4
10/05/95	08:45	63.2	332.3	1.4	28.64	47.3	28.1
10/05/95	08:50	63.4	337.9	1.2	28.64	46.7	31.1
10/05/95	08:55	63.7	333.4	1.1	28.65	46.4	32.7
10/05/95	09:00	63.8	333.4	1.9	28.65	45.7	21.6
10/05/95	09:05	64	343.3	1.6	28.66	45.6	29.9
10/05/95	09:10	64.2	348.8	1.5	28.66	45	25.5
Downwind							-
Run 27							
10/05/95	15:35	76.1	337.3	9.9	28.7	25.6	34.7
10/05/95	15:40	76.1	358	10	28.69	25.6	31.5
10/05/95	15:45	76.3	356.9	11	28.69	25.3	34.3
10/05/95	15:50	76.6	315.4	10.4	28.69	25.5	24.1
10/05/95	15:55	75.9	328.9	11.3	28.69	25.1	20.2
10/05/95	16:00	76.2	335.9	9.9	28.69	25.4	25
10/05/95	16:05	76.5	350.8	10.8	28.68	25.4	28.5
10/05/95	16:10	76.5	347.9	10.4	28.68	26.4	31.6
10/03/93							

Small town POTW

teorological Data	 		WD	ws			
			Scalar	Scalar	ВР	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
10/05/95	16:20	76.7	13	7.3	28.68	25.8	29.9
10/05/95	16:25	76.2	324	11.7	28.68	26.6	33.4
10/05/95	16:30	76.9	344.3	7.6	28.68	25.4	29.4
10/05/95	16:35	77.1	352.1	9.5	28.68	25.4	20
10/05/95	16:40	77.2	344.3	9.4	28.68	25.3	28.1
10/05/95	16:45	76.8	335.3	10.4	28.68	25.8	18.6
10/05/95	16:50	76.4	323.3	8.4	28.68	26	10.3
			344.3	8.5	28.68	25.6	22.1
10/05/95	16:55	76.9			28.68	25.0	25.2
10/05/95	17:00	76.8	344.9	10.3			
10/05/95	17:05	76.8	338.4	8.8	28.69	26.1	18.3
10/05/95	17:10	76.9	328.9	6.9	28.68	25.7	13
10/05/95	17:15	77	337.3	10	28.68	25.4	15.8
10/05/95	17:20	76.3	318.2	9.8	28.68	26.5	11.5
10/05/95	17:25	76.5	340.4	9.6	28.69	26.9	25.
10/05/95	17:30	76.7	357.3	7.5	28.69	28.2	25.5
10/05/95	17:35	76.4	16.9	8.6	28.69	28.6	1
10/05/95	17:40	76.3	13	8.6	28.69	30.5	24.
10/05/95	17:45	76.5	338.4	9.4	28.69	28.5	20.
10/05/95	17:50	76.6	337.3	6.9	28.69	28.2	10.
10/05/95	17:55	76.4	346.3	11	28.69	27.1	21.
10/05/95	18:00	76.3	336.4	8.6	28.69	27.8	21.
10/05/95	18:05	75.9	359.3	8.2	28.69	31	21.
10/05/95	18:10	75.4	4.9	6.5	28.69	31.2	17.
10/05/95	18:15	75	6.9	8.1	28.69	31.2	21.
10/05/95	18:20	75.2	355.3	8,1	28.69	29.9	2
10/05/95	18:25	75	357.3	10.5	28.69	29.4	32.
10/05/95	18:30	74.7	350.8	8	28.7	29.5	18.
10/05/95	18:35	74.5	355.3	7.4	28.7	30	14.
10/05/95	18:40	74.2	4.9	6.6	28.7	32.8	24.
10/05/95	18:45	73.6	11.9	7.2	28.7	34	15.
10/05/95	18:50	73.2	6.9	6.7	28.7	35.1	11.
10/05/95	18:55	72.9	6.9	7.5	28.7	34.9	27.
10/05/95	19:00	72.7	4	7.8	28.71	35.2	19.
10/05/95	19:05	72.4	8.8	6.6	28.71	35.9	25.
10/05/95	19:10	71.8	11	5.6	28.71	37.6	12.
10/05/95	19:15	71.2	6	4.4	28.71	39.2	5.
10/05/95	19:20	70.7	7.9	5.5	28.71	39.2	16.
10/05/95	19:25	70.7	359.8	4.8	28.71	39.7	9.
10/05/95	19:30	69.8					
	19:35		357.8 358.9	4.3 3.8	28.71 28.71	41.1 43.1	1.
10/05/95		69.3					1.
10/05/95	19:40	68.7	358.9	3.8	28.72	43.7	4.
10/05/95	19:45	68.3	358.4	3.6	28.72	44.5	2
10/05/95	19:50	68	357.8	3.7	28.72	46.1	5.
10/05/95	19:55	67.7	357.8	3.3	28.72	47.2	1.
10/05/95	20:00	67.3	358.4	3	28.72	47.9	21.
10/05/95	20:05	67	4	3.5	28.72	48.9	5
10/05/95	20:10	66.6	7.9	2.9	28.72	49	4.
10/05/95	20:15	66.2	4.9	2.5	28.73	51.6	
10/05/95	20:20	66.2	4.9	2.3	28.73	52.8	
10/05/95	20:25	66.1	4.9	2.3	28.73	52.3	
10/05/95	20:30	65.6	4.9	1.7	28.73	53.1	
10/05/95	20:35	65.3	4.9	2.2	28.73	53.1	1
10/05/95	20:40	65.1	6	1.9	28.74	53.6	i
	20:45	63.3	6	1.5	28.74	54.1	
10/05/95							
10/05/95 10/05/95	20:50	61.8	6	2.6	28.74	56.5	
	ļ-		6	2.6 1.6	28.74 28.74	56.5 58	<u> </u>

Small town POTW

orological Data			WD	ws			
· - · · · · ·			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
10/05/95	21:05	61	6	1.1	28.74	59.7	
10/05/95	21:10	60.6	6	1.1	28.74	60.9	
10/05/95	21:15	59.8	6	1.1	28.74	62.3	
10/05/95	21:20	59.1	6	1,1	28.75	64.8	
10/05/95	21:25	58.4	6	1.1	28.75	67	
10/05/95	21:30	57.9	6	1.1	28.75	67.7	
10/05/95	21:35	57	6	1.1	28.75	68.7	
10/05/95	21:40	56.6	6	1.1	28.75	70	
10/05/95	21:45	56.2	6	1	28.76	71.2	
10/05/95	21:50	56.2	6	1.1	28.76	72.9	
10/05/95	21:55	55.9	6	1	28.76	75.2	
10/05/95	22:00	56	6	1	28.76	75.5	
10/05/95	22:05	55.9	6	1.1	28.76	74.5	
10/05/95	22:10	55.7	6	1	28.76	74.6	
10/05/95	22:15	55.4	6	1	28.77	76.3	
10/05/95	22:20	55.2	6	1	28.77	76	
10/05/95	22:25	55.1	6	1	28.77	79.1	
10/05/95	22:30	54.8	6	1	28.77	79.6	
10/05/95	22:35	54.1	6	1	28.77	79.1	
10/05/95	22:40	53.6	6	1	28.77	79.9	
10/05/95	22:45	53.4	6	1	28.77	80.9	
10/05/95	22:50	53.3	6	1	28.77	84.3	
10/05/95	22:55	53.3	6	1	28.78	83.3	
10/05/95	23:00	52.4	6	1	28.78	80.7	
10/05/95	23:05	52.1	6	1	28.78	83	•
10/05/95	23:10	52.1	6	1	28.78	85.8	
10/05/95	23:15	51.7	6	1	28.78	86.3	
10/05/95	23:20	51.7	6	1	28.78	86.6	
10/05/95	23:25	51.8	6	1	28.78	87.3	
10/05/95	23:30	51.6	6	1	28.78	87.3	
10/05/95	23:35	51.3	6	1	28.78	88.9	
10/05/95	23:40	51.2	6	1	28.78	88.6	
10/05/95	23:45	51.4	6	1	28.78	89.3	
10/05/95	23:50	51.4	- 6		28.78	95.4	
10/05/95	23:55	51	6	1	28.78	95.1	
10/06/95	00:00	50.6	6	1	28.78	92.1	
10/06/95	00:05	50.3	6	1	28.78	93.7	
10/06/95	00:03	50.2	6	1	28.78	94.3	
10/06/95	00:15	50.1	6	1	 	95.2	
10/06/95	00:13	49.9	6		28.78 28.78	95.5	
10/06/95	00:25	49.9		1	 		
10/06/95	00:30	49.8	6	1	28.79 28.79	93.4	
10/06/95	00:35	50.2	6	1	 		
10/06/95	00:40	49.8			28.79	98.4	
10/06/95			6	1	28.79	98.9	
10/06/95	00:45	49.4 49.4	6	1	28.79	95.7	
10/06/95				1	28.79	97.4	
10/06/95	00:55	49.5	6	1.7	28.79	99.6	
	01:00	49.9	6	2.1	28.79	99.6	
10/06/95 Run 28	01:05	49.9	16.9	3	28.79	99.6	2
	00.00		007.0		00.00	70.0	
10/06/95	09:00	55.7	287.3	5.2	28.96	70.3	
10/06/95	09:05	56.1	294.3	5.6	28.96	68.1	12
10/06/95	09:10	56.5	304.9	6.7	28.97	65.1	12
10/06/95	09:15	57.1	306.4	5.5	28.97	64.7	12
10/06/95	09:20	57.3	313.4	5.9	28.97	63.4	13
10/06/95	09:25	57.8	323.3	5.7	28.97	62.2	8

Small town POTW

Meteorological Data							
	i		WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
10/06/95	09:35	58.8	338.9	8.4	28.97	57.7	19.2
10/06/95	09:40	59.2	331.4	11.4	28.97	54.7	23.4
10/06/95	09:45	59	329.9	12.4	28.97	53.5	10.2
10/06/95	09:50	59.1	332.3	11.3	28.98	52.3	16.1
10/06/95	09:55	59.7	347.4	10.4	28.98	51.5	30
10/06/95	10:00	59.9	326.9	10.8	28.98	51.7	5.4
10/06/95	10:05	59.9	335.3	11.2	28.98	50.7	9.9
10/06/95	10:10	60.5	340.4	10.6	28.98	49.6	28.5
10/06/95	10:15	60.6	343.3	10.8	28.98	48.8	26.2
10/06/95	10:20	61	347.9	10.4	28.97	49.1	16.9
10/06/95	10:25	61.3	339.8	10.7	28.97	47.9	21.3
10/06/95	10:30	61.8	351.4	9.5	28.97	48.1	25.2
10/06/95	10:35	62.3	346.3	10.3	28.97	47	26.2
Run 29							
10/06/95	10:55	61.9	13.9	12.7	28.97	48.1	29.4
10/06/95	11:00	62.1	2.9	12.2	28.97	47.2	12.
10/06/95	11:05	63.1	356.9	9.3	28.97	47	25.9
10/06/95	11:10	63.6	4.9	11.7	28.97	44.6	2
10/06/95	11:15	63.4	18.9	11.5	28.97	45.3	18.9
10/06/95	11:20	63.9	13	11.5	28.97	44.1	22.1
10/06/95	11:25	64	15	10.4	28.97	43.9	25.
10/06/95	11:30	64.9	0.9	9.1	28.97	42.1	24
10/06/95	11:35	65.6	356.4	11.4	28.96	40.6	28.2
10/06/95	11:40	65.1	11.9	10.8	28.96	42.2	21.
10/06/95	11:45	65.5	11,	9.4	28.96	41.5	22.4
10/06/95	11:50	65.4	.29	9.3	28.96	40.5	8.6
10/06/95	11:55	66.5	2	7.6	28.96	40.3	15.9

Meteorological Data			14/5				
			WD	WS	BP	- DLI	Ciama
Date	Time	Temp (F)	Scalar (Deg)	Scalar (mph)	(in Hg)	(%)	Sigma Theta
Run 1	Time	remp (F)	(Deg)	(nipri)	(iii rig)	170)	Tileta
08/01/95	19:40	79.3	223.2	5.1	29.37	87.6	10.8
08/01/95	19:45	79.5	217.3	8.8	29.37	88.9	14.3
08/01/95	19:50	79.5	244.3	5.5	29.37	89.1	8.8
08/01/95	19:55	79.4	220	2.2	29.37	89.6	30.5
08/01/95	20:00	79.2	152.8	1.1	29.37	89.9	68.7
08/01/95	20:05	79.2	132.1	1.3	29.37	90.2	13.6
08/01/95	20:10	79.1	134.8	1.6	29.37	91.2	8.3
08/01/95	20:15	79	108	3.9	29.37	91.6	8.1
08/01/95	20:20	78.8	117	4.8	29.37	92.8	5.4
08/01/95	20:25	78.7	112.1	5.1	29.37	93	4,7
08/01/95	20:30	78.6	117	5.2	29.37	93.4	4.6
08/01/95	20:35	78.4	114.1	4.8	29.37	93.9	5.4
08/01/95	20:40	78.4	118.1	4.3	29.37	93.9	4.8
08/01/95	20:45	78.3	122.9	3.5	29.37	94.1	4.7
08/01/95	20:50	78.3	128.9	3.6	29.37	94.2	3.8
08/01/95	20:55	78.3	129.1	3.7	29.37	94.7	6.3
08/01/95 08/01/95	21:00 21:05	78.2 78.1	134.1 124	4.1 4.5	29.37	95.5 96	13.1
08/01/95	21:10	78	126.9	4.6	29.37 29.37	96.8	3.7 3.8
Run 2	21.10	76	120.9	4.0	29.37	90.0	
08/02/95	10:55	79	176.2	11.3	29.45	99.7	9.7
08/02/95	11:00	79.4	178.9	11	29.45	99.2	8.5
08/02/95	11:05	80	187.9	11.6	29.45	98.1	11.5
08/02/95	11:10	81.1	196.2	11.3	29.45	95.4	13.6
08/02/95	11:15	81.6	179.1	13.7	29.44	90.5	11.5
08/02/95	11:20	81	186.8	12.7	29.44	89.3	9.3
08/02/95	11:25	81.7	180.2	11.2	29.45	89.4	10.8
08/02/95	11.30	81.8	178.9	12.5	29.45	87.3	11
08/02/95	11:35	81.1	182.9	10.3	29.45	88.7	8.7
08/02/95	11:40	81.5	163.8	10.1	29.45	88.8	10.7
08/02/95	11:45	81.3	170.8	12.2	29.45	87.5	12.4
ATA LOSS - CONTI	· · · · · · · · · · · · · · · · · · ·		400				
08/02/95	12:00	81.2	167	13.4	29.45	84.5	9.7
08/02/95 08/02/95	12:05 12:10	81.6	172.1	12.2	29.45	84.7	13.6
08/02/95	12:10	81.9 82.9	179.1 178.9	11.5 10.5	29.45	83.6	13.2
08/02/95	12:20	82.4	188.1	10.5	29.45 29.45	82.5 80	12.3
08/02/95	12:25	82.8	186.1	9.9	29.45	79.5	12.9 16.2
08/02/95	12:30	82.8	176.9	10.5	29.44	78.4	11.3
08/02/95	12:35	82.2	186.8	10.5	29.44	79.8	11.9
08/02/95	12:40	82.5	185.2	9.8	29.44	80.4	12.3
08/02/95	12:45	82.9	167	9.9	29.44	80	10.7
08/02/95	12:50	82.8	157	11.9	29.44	79.1	11
08/02/95	12:55	83	161.8	10.7	29.44	78.6	10.9
08/02/95	13:00	83.2	157.9	11	29.44	77.8	10.1
08/02/95	13:05	83.7	187.2	10.9	29.44	77.3	12.8
08/02/95	13:10	84	190.1	11.1	29.44	75.4	10.8
08/02/95	13:15	84.7	173.2	12	29.44	74.2	11
08/02/95	13:20	84.6	176.2	11.7	29.44	72.1	13
08/02/95	13:25	84.3	159.8	15.2	29.43	71.8	7.4
08/02/95	13:30	84.3	179.8	12.6	29.44	, 73.1	8.6
08/02/95	13:35	84.7	176	11.8	29.43	76.1	16.
08/02/95	13:40	84.4	169.2	10.9	29.43	76.7	16.2
08/02/95	13:45	84.4	172.8	10.2	29.43	76.7	14
08/02/95	13:50	84.6	167	9.9	29.42	76.5	13.
08/02/95	13:55	84.6	171.2	11.8	29.42	74.3	11.5
00/00/05	14:00	84.8	184	11.1	29.42	73.1	1
08/02/95		22.	7000				
08/02/95	14:05	85.1	186.8	11.2	29.41	72	10.7
		85.1 85.1 85.4	186.8 184 167	9.9 11.2	29.41 29.41 29.41	72 71.3 70.4	10.7 10.6

:			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/02/95	14:25	86	156.1	13.5	29.41	68.6	10.9
08/02/95	14:30	86	154.1	13.8	29.41	67.2	10.7
08/02/95	14:35	85.6	162.2	13.7	29.41	67.6	9.9
08/02/95	14:40	85.7	167	12.2	29.41	68.9	12.
08/02/95	14:45	85.8	155.2	11.9	29.41	68.8	10.
08/02/95	14:50	86.4	170.8	10.2	29.41	68.8	13.
08/02/95	14:55	86.3	176	10.8	29.41	68	11.
08/02/95	15:00	86.2	172.1	11.4	29.41	68.5	12.4
08/02/95	15:05	86.3	176.2	10.2	29.41	67.6	14.
08/02/95	15:10	86.4	163.1	11.9	29.4	67.5	9.
08/02/95	15:15	86.7	169.9	11.5	29.4	66.7	10.
08/02/95	15:20	86.9	177.1	11.1	29.4	66.2	11.
08/02/95	15:25	87.1	169.2	12.7	29,4	63.4	
08/02/95	15:30	87.5	154.8	10.3	29,4	65.2	13.
08/02/95	15:35	88.4	160.2	11.1	29.39	65.5	13.
08/02/95	15:40	88.4	152.8	11.9	29.38	62.9	19.
08/02/95	15:45	88.7	151.9	11.3	29.38	62	13.
08/02/95	15:50	88.2	153.2	11.5	29.38	61.4	11.
08/02/95	15:55	88.5	157.1	12.3	29.38	62.2	16.
08/02/95	16:00	87.6	127.1	11.4	29.39	66.2	10.
08/02/95	16:05	86.4	128	15	29.39	66.9	7.
08/02/95	16:10	86.1	125.1	12.8	29.39	66.9	11.
08/02/95	16:15	85.8	134.1	14.3	29.39	69.2	8.
08/02/95	16:20	85.6	120.1	15.2	29.38	68.6	9.
08/02/95	16:25	85.2	123.8	14.9	29.38	69.7	8.
08/02/95	16:30	84.9	128.2	15.7	29.38	70.8	<u>9.</u>
08/02/95	16:35	85.1	136.8	14.9	29.38	71.6	9.
08/02/95	16:40	84.9	132.1	15.4	29.37	72.7	<u>11.</u>
08/02/95	16:45	84.2	130	17.3	29.37	73	
08/02/95	16:50	84.2	132.1	14.9	29.38	73.6	8.
08/02/95	16:55	83.8	133	15.4	29.38	73.5	9.
08/02/95 08/02/95	17:00	84	132.1	16.3	29.38	73.3	12.
08/02/95	17:05 17:10	84.5 84.4	135.9 137.2	13.8 14.7	29.38 29.38	73.4 74.3	8. 9.
Run 3	17:10	54.4	137.2	14.7	29.38		
08/02/95	17:55	83.4	135	17.2	29.37	76.5	7.
08/02/95	18:00	83.5	132.8	16.6	29.37	- 76.1-	7.
08/02/95	18:05	83.5	130.1	15.8	29.37	76.2	8
08/02/95	18:10	83.8	128.9	14.8	29.37	76	8
08/02/95	18:15	83.3	141.1	17.5	29.36	76.7	7.
08/02/95	18:20	83.5	145.1	13.2	29.37	78.6	10
08/02/95	18:25	83.3	146.9	14.1	29.37	78.5	8.
08/02/95	18:30	83.3	136.1	15.4	29.37	78.2	8
08/02/95	18:35	83.3	136.1	14.7	29.37	78.4	<u>-</u> 9
08/02/95	18:40	83.3	145.8	13.6	29.37	78.6	10.
08/02/95	18:45	83.2	136.8	12.7	29.37	78.9	8
08/02/95	18:50	83.2	141.1	10.3	29.37	79.7	10
08/02/95	18:55	83.2	144.2	8.9	29.37	79.9	11
08/02/95	19:00	82.9	142	10.2	29.37	80.4	8
08/02/95	19:05	82.7	143.8	10	29.37	80.6	11
08/02/95	19:10	82.6	141.1	11	29.37	80.5	9
08/02/95	19:15	82.5	141.8	9	29.36	81.3	8
08/02/95	19:20	82.4	133.9	11.6	29.36	79.8	- 8
08/02/95	19:25	82.7	134.8	11.2	29.36	78.3	7
08/02/95	19:30	82.7	141.1	10	29.36	78.6	6
08/02/95	19:35	82.6	144.9	8.9	29.36	79.3	9
08/02/95	19:40	82.6	131.9	8.5	29.37	78.2	8
08/02/95	19:45	82.4	132.1	8.8	29.37	78.6	8
08/02/95	19:50	82.1	132.1	8.6	29.37	80.4	8
08/02/95	19:55	81.7	134.8	8.3	29.37	82.3	8
08/02/95	20:00	81.4	134.1	10.5	29.37	83	11
08/02/95	20:05	81.1	137.2	9.5	29.37	84.3	6

			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/02/95	20:10	80.8	140	7.5	29.37	85.7	7.
08/02/95	20:15	80.5	138.1	7.2	29.37	86.9	8.
08/02/95	20:20	80.3	139.1	7.6	29.37	87.7	8.
08/02/95	20:25	80	135	7	29.37	89.2	6.
08/02/95	20:30	79.8	138.1	7.2	29.37	90.3	7.
08/02/95	20:35	79.6	135	7.2	29.38	91.2	6.
08/02/95	20:40	79.5	139.1	6.5	29.38	92	7.
08/02/95	20:45	79.3	140.9	5.4 4.7	29.38 29.38	92.9	<u>9.</u> 1
08/02/95	20:50 20:55	79 78.9	145.1 142.9	5.5	29.38	94.8	<u>'</u>
08/02/95 08/02/95	21:00	78.7	146.2	4.3	29.38	96	7.
08/02/95	21:05	78.6	149	4.1	29.39	97	8.
08/02/95	21:10	78.3	151.9	4.2	29.39	98.1	
08/02/95	21:15	78.3	150.1	3.9	29.39	98.9	9.
08/02/95	21:20	78.3	144.2	4.5	29.4	99.3	6.
08/02/95	21:25	78.2	141.8	4.4	29.4	99.6	6.
08/02/95	21:30	78.2	143.1	5	29.4	99.6	9.
08/02/95	21:35	78.3	151	4.8	29.4	99.6	6.
08/02/95	21:40	78.1	140.9	4.6	29.4	99.6	9.
08/02/95	21:45	78	135	4.5	29.4	99.7	6.
08/02/95	21:50	78	141.8	4.5	29.4	99.7	
08/02/95	21:55	77.9	147.1	4.3	29.4	99.7	8.
08/02/95	22:00	77.7	156.1	3.7	29.4	99.7	9.
08/02/95	22:05	77.7	170.1	2.6	29.41	99.7	9.
08/02/95	22:10	77.5	167.9	2.5	29.41	99.7	7.
08/02/95	22:15	77.4	163.1	2.9	29.41	99.7	9.
08/02/95	22:20	77.2	155.2	3.2	29.41	99.7	
08/02/95	22:25	77	153.2	3.3	29.41	99.7	5.
08/02/95	22:30	77 76.9	142 147.1	3.3 3.2	29.41 29.41	99.7 99.7	5. 8.
08/02/95 08/02/95	22:35 22:40	76.7	139.1	2.9	29.41	99.7	6
08/02/95	22:45	76.7	123.8	2.5	29.41	99.7	7
08/02/95	22:50	76.9	117.9	4.2	29.41	99.7	6
08/02/95	22:55	77	123.8	2.7	29.42	99.7	2
08/02/95	23:00	77	124	1.8	29.42	99.7	9
08/02/95	23:05	77	122	1.3	29.42	99.7	0
08/02/95	23:10	77	122	1.1	29.42	99.7	0
08/02/95	23:15	76.6	116.8	3.9	29.42	99.7	
08/02/95	23:20	76.7	119.9	4.6	29.42	99.6	4
08/02/95	23:25	76.7	127.1	4.3	29.43	99.7	5
08/02/95	23:30	76.7	137.2	3.1	29.43	99.7	7
08/02/95	23:35	76.6	136.1	3.1	29.43	99.7	
08/02/95	23:40	76.4	125.1	3.7	29.43	99.7	4
08/02/95	23:45	76.4	128.9	3.2	29.43	99.7	4
08/02/95	23:50	76.3	127.1	2.5	29.43	99.7	0
08/02/95	23:55	76.3	133.9	2.3	29.43	99.6	8
08/03/95	00:00	76.1	139.1 134.1	3.3	29.43	99.6 99.6	7
08/03/95 08/03/95	00:05	76		 	29.43 29.43	99.6	
08/03/95	00:10	75.9 75.9	128.9 150.8	2.6 1.5	29.43	99.6	4
08/03/95	00:15	75.6	155.2	2.7	29.43	99.6	8
08/03/95	00:25	75.7	167.9	2.8	29.43	99.6	8
08/03/95	00:30	75.6	167	2.6	29.43	99.6	8
08/03/95	00:35	75.5	167	1.5	29.43	99.6	
08/03/95	00:33	75.4	163.1	1.1	29.43	99.6	12
08/03/95	00:45	75.5	147.1	1.2	29.43	99.6	<u>'</u>
08/03/95	00:50	75.4	145.1	1.2	29.43	99.6	`
08/03/95	00:55	75.4	137.2	1.1	29.43	99.6	2
08/03/95	01:00	75.3	137.2	1.1	29.43	99.6	3
08/03/95	01:05	75.2	136.8	1.1	29.43	99.6	
08/03/95	01:10	75.2	136.8	1.1	29.43	99.6	
08/03/95	01:15	75.1	136.8	1.1	29.43	99.6	0

Very small town POTW

teorological Data			WD	ws		}	
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/03/95	01:20	74.9	130.1	1.1	29.43	99.6	3.9
08/03/95	01:25	74.9	127.1	1.1	29.43	99.6	
08/03/95	01:30	74.9	127.1	1.1	29.43	99.6	
08/03/95	01:35	74.9	127.1	1.1	29.43	99.6	
08/03/95	01:40	74.8	128	1.1	29.43	99.6	0.9
08/03/95	01:45	74.8	154.1	1.1	29.43	99.6	17.:
08/03/95	01:50	74.9	133.9	1.1	29.43	99.6	2.0
08/03/95	01:55	74.8	131.9	1.1	29.43	99.7	-
08/03/95	02:00	74.9	131.9	1.1	29.43	99.6	2.
08/03/95	02:05	74.9	190.1	1.1	29.43	99.6	51.
08/03/95	02:10	74.7	222.8	1.1	29.43	99.6	
08/03/95	02:15	74.4	209.2	1.1	29.43	99.6	11.
08/03/95	02:20	74.4	154.1	1.1	29.43	99.6	13.
08/03/95	02:25	74.1	165.1	1,1	29.43	99.6	13.
08/03/95	02:30	74.1	165.1	1,1	29.43	99.6	11.
08/03/95	02:35	74.2	130.1	1.1	29.43	99.6	9.
08/03/95	02:40	74	116.1	2.3	29.43	99.6	5.
08/03/95	02:45	74	123.8	2.7	29.43	99.6	
08/03/95	02:50	74.2	119	2.5	29.43	99.6	2.
08/03/95	02:55	74.5	119	1.1	29.43	99.6	
08/03/95	03:00	74.6	121.1	1.1	29.43	99.6	
08/03/95	03:05	74.6	144.2	1,1	29.43	99.6	9.
08/03/95	03:10	74.6	136.8	1.1	29.43	99.6	8.
08/03/95	03:15	74.6	134.1	1.1	29.43	99.6	8.
08/03/95	03:20	74.6	136.8	1.1	29.43	99.6	
08/03/95	03:25	74.6	145.1	1.1	29.43	99.6	7.
08/03/95	03:30	74.5	156.1	1.6	29.43	99.6	13.
08/03/95	03:35	74.2	188.1	2.8	29.42	99.6	_ 8.
08/03/95	03:40	74.3	179.1	3.4	29.42	99.6	7.
08/03/95	03:45	74.5	195.8	3.3	29.42	99.6	7.
08/03/95	03:50	74.5	179.1	2.4	29.42	99.6	11.
08/03/95	03:55	74.4	171.9	3.1	29.42	99.6	11.
08/03/95	04:00	74.5	155.9	2.4	29.42	99.6	
08/03/95	04:05	74.5	151	2.4	29.42	99.6	8.
08/03/95	04:10	74.4	150.1	2.5	29.42	99.6	8
08/03/95	04:15	74.6	145.1	1.1	29.42	99.6	15.
08/03/95	04:20	74.5	122	1.3	29.42	99.6	10
08/03/95	04:25	74.7	112.1	1,1	29.42	99.6	
08/03/95	04:30	74.7	193.9	1.3	29.43	99.6	38.
08/03/95	04:35	74.9	225.2	1.1	29.43	99.6	9.
08/03/95	04:40	74.7	189.9	1.3	29.43	99.6	10.
08/03/95	04:45	74.7	175.1	1.6	29.42	99.6	16
08/03/95	04:50	74.7	197.1	1.7	29.42	99.6	10
08/03/95	04:55	74.8	199.8	1.2	29.42	99.6	19
08/03/95	05:00	74.7	180.9	1.2	29.42	99.6	9
08/03/95	05:05	74.6	203.9	1.2	29.42	99.6	1
08/03/95	05:10	74.6	219.2	1.1	29.43	99.6	16
08/03/95	05:15	74.5	191.2	1.1	29.43	99.6	9
08/03/95	05:20	74.4	170.8	1.1	29.43	99.6	6
08/03/95	05:25	74	132.1	1.1	29.43	99.6	6
08/03/95	05:30	73.7	133	1.1	29.43	99.6	5
08/03/95	05:35	73.7	167.0	1.1	29.43	99.6	6
08/03/95	05:40	73.7	167.9	1.1	29.43	99.6	7
08/03/95	05:45	73.7	211.9	1.1	29.43	99.6	
08/03/95	05:50	73.7	253.3	1.1	29.43	99.6	1
08/03/95	05:55	73.9	251.8	1.1	29.43	99.6	
08/03/95	06:00	73.8	251.8	1.1	29.43	99.6	12
08/03/95	06:05	73.7	251.8	1.1	29.43	99.6	
08/03/95	06:10	73.5	252.2	1.1	29.43	99.6	
08/03/95	06:15	73.6	252.2	1.1	29.44	99.6	
08/03/95	06:20	73.8	251.8	1.1	29.44	99.6	1

			WD	WS_			<u> </u>
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/03/95	06:30	74.1	252.2	1.1	29.44	99.6	
08/03/95	06:35	74.4	252.2	1.1	29.44	99.6	
08/03/95	06:40	74.5	252.2	1.1	29.44	99.6	
08/03/95	06:45	74.6	252.2	1.1	29.44	99.6	
08/03/95	06:50	74.8	252.2	1.1	29.44	99.6	
08/03/95	06:55	74.9	252.2	1.1	29.44	99.6	
08/03/95	07:00	75	274.9	1.1	29.44	99.6	
08/03/95	07:05	75.1	281.3	1.1	29.44	99.6	
08/03/95	07:10	74.9	85	2.8	29.44	99.6	56.
08/03/95	07:15	74.9	102.1	3.1	29.45	99.7	7.
08/03/95	07:20	75.1	114.1	3	29.45	99.6	
08/03/95	07:25	75.2	115	2.1	29.45	99.6	2.
08/03/95	07:30	75.8	123.1	1,1	29.46	99.7	11.
08/03/95	07:35	75.9	142.9	1.7	29.46	99.7	10.
08/03/95	07:40	75.9	155.9	3.6	29.46	99.7	8.
08/03/95	07:45	76.2	133	4.3	29.46	99.7	9.
08/03/95	07:50	76.2	154.1	4.6	29.46	99.7	13.
08/03/95	07:55	76.4	164.2	3	29.46	99.7	22.
08/03/95	08:00	76.4	217.3	3.1	29.46	99.7	10.
08/03/95	08:05	76.7	214.2	2.6	29.46	99.7	31.
08/03/95	08:10	76.7	226.3	2.2	29.46	99.7	18.
08/03/95	08:15	76.7	214.9	3.1	29.46	99.7	8.
08/03/95	08:20	76.9	213.1	3.1	29.46	99.7	
08/03/95	08:25	77.3	220	3	29.46	99.7	9
08/03/95	08:30	77.7	195.1	2.9	29.46	99.7	4
08/03/95	08:35	78.2	191.2	4.6	29.46	99.7	27
08/03/95	08:40	78.8	204.1	5.3	29.46	99	14.
08/03/95	08:45	79.3	192.2	5.7	29.46	97.4	18.
08/03/95	08:50	79.6	206.1	6.7	29.46	96.3	18
08/03/95	08:55	80.2	198.2	5.8	29.46	94.3	23
08/03/95	09:00	80.5	207.9	6.6	29.46	93	15
08/03/95	09:05	80.5	230.9	7	29.47	93	17
08/03/95	09:10	80.2	208.1	7.9	29.47	91.9	13
08/03/95	09:15	81	205.9	7.7	29.47	90.9	13
08/03/95	09:20	81.7	198.2	6.7	29.47	87.2	18
08/03/95	09:25	81.7	197.1	8.2	29.47	85.9	18
08/03/95	09:30	82.1	199.8	6.8	29.46	84.3	14
08/03/95	09:35	82.9	180.9	7.6	29.46	82.2	19
08/03/95	09:40	83.2	180.9	7.4	29.46	80.7	15
08/03/95	09:45	82.8	212.2	7.9	29.46	79	29
08/03/95	09:50	82.1	231.1	6.9	29.47	82.4	13
08/03/95	09:55	82.6	224.3	7.6	29.47	82.6	;
08/03/95	10:00	82.9	249.8	8.2	29.46	83	12
08/03/95	10:05	82.8	253.8	7.3	29.46	81.2	8
08/03/95							
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08/03/95					ļ <u></u>		
Run 4							
08/03/95	11:10	84.7	218.2	6.3	29.45	75.7	
08/03/95	11:15	85	196.2	6.5	29.45	73.3	22
08/03/95	11:20	84.8	218.9	7.5	29.45	71.7	10
08/03/95	11:25	84.7	240.8	6.5	29.45	72	9
08/03/95	11:30	85.4	205.2	6.6	29.45	71.3	15
08/03/95	11:35	85.5	212.2	7.9	29.45	70.5	18
08/03/95	11:40	85.8	188.8	6.5	29.45	69.5	17
08/03/95	11:45	85.9	221.2	7.5	29.45	66.9	26
08/03/95	11:50	86.1	168.1	8.5	29.45	64.3	24

			WD	ws			
			Scalar	Scalar	BP	AH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/03/95	11:55	86.9	168.1	6.2	29.45	65.2	20
08/03/95	12:00	87.6	136.8	3.9	29.45	62.6	18.9
08/03/95	12:05	87.1	243.2	6.5	29.45	65.5	18.5
08/03/95	12:10	87.4	204.1	6.7	29.45	64.7	27.3
08/03/95	12:15	86.6	231.1	7.1	29.45	66.2	9.9
08/03/95	12:20	87.7	190.8	3.9	29.45	65.2	49.2
08/03/95	12:25	87.7	240.3	3.2	29.44	64.3	22.5
08/03/95	12:30	88.8	203.2	5.2	29.44 29.44	62.2 60.7	42.9
08/03/95	12:35	88.8	153.9	7.7	29.44	57.1	30.3
08/03/95	12:40 12:45	89.5 88.2	157.1 179.1	4.4	29.44	58.5	19
08/03/95 08/03/95	12:50	88.2	166	6.2	29.45	59.4	43.5
	12:55	89	151	6.5	29.44	57.3	20.7
08/03/95 08/03/95	13:00	89.1	188.8	7.2	29.44	58	22.3
08/03/95	13:05	89.4	175.1	7.1	29.43	58.7	15.1
08/03/95	13:10	89.4	171.2	6.2	29.43	59.4	41.4
08/03/95	13:15	89.8	170.1	7.7	29.43	58	35.6
08/03/95	13:20	89.2	204.1	6.6	29.43	58.8	17.4
08/03/95	13:25	90.2	192.2	4.4	29.43	57.7	27
08/03/95	13:30	90.2	196.2	6.6	29.42	58.2	37.1
08/03/95	13:35	90.1	175.1	8.3	29.42	58.6	21.8
08/03/95	13:40	89.9	149.9	7.7	29.42	57.5	20.6
08/03/95	13:45	90.7	175.1	5.1	29.42	56.4	29.4
08/03/95	13:50	90.9	198.2	5.1	29.42	55.5	21.6
08/03/95	13:55	91	145.1	5.5	29.41	54.7	25.1
08/03/95	14:00	91.3	189.9	6	29.41	54.1	17.5
08/03/95	14:05	91.2	275.9	3.9	29.41	53.4	60.5
08/03/95	14:10	90.8	214.2	6.6	29.41	54.7	29.2
08/03/95	14:15	90.5	179.8	7	29.41	57.2	14.5
08/03/95	14:20	90.4	149	4.5	29.41	55.4	17.2
08/03/95	14:25	90.4	209.9	7	29.41	57.2	14.2
08/03/95	14:30	90.8	213.8	6.2	29.4	55.8	17
08/03/95	14:35	91.5	238.9	4	29.4	54.3	20.1
08/03/95	· 14:40	91.9	216.9	5.4	29.4	55.1	32.2
08/03/95	14:45	91.6	233.3	4.5	29.4	55.2	20.3
08/03/95	14:50	92.6	154.1	5.4	29.4	54.2	23.3
08/03/95	14:55	92.4	112.1	7	29.39	49.5	16.9
08/03/95	15:00	92.4	103	7.1	29.39	47.2	49.4
08/03/95	15:05	92.1	106.9	7.4	29.39	46.7	16.9
08/03/95	15:10	90.7	94.9	6	29.39	47.5	21
08/03/95	15:15	90.5	119	7.1	29.4	50.1	11.5
08/03/95	15:20	91.6	143.1	4.9	29.39	51.8	20.7
08/03/95	15:25	91	159.1	6.6	29.39	54	9.4
08/03/95 08/03/95	15:30	90.8	144.2	5.3	29.39	54	17.5
08/03/95	15:35	92.3	132.1	3.1	29.39	50.6	29.4
08/03/95	15:40 15:45	91.9 91.9	94 95.1	6.9	29.38	49.1	20.3
08/03/95	15:45	91.9	132.8	8.1	29.38	47.1	8.7
08/03/95	15:55	90.3	114.8	7.3 6.9	29.38 29.38	50 52.1	25 15.2
08/03/95	16:00	91.1	91.1	5.2	29.38	52.1 51	15.2
08/03/95	16:05	91.7	100.1	8.9	29.38	48	13.7
08/03/95	16:10	91.5	113	7.7	29.37	. 49.1	10.3
08/03/95	16:15	91	109.1	5.8	29.37	48.3	16.7
08/03/95	16:20	91	113	8.1	29.38	50.4	10.7
08/03/95	16:25	92.1	101.9	6.4	29.37	48.2	14.5
08/03/95	16:30	92.3	113	7.9	29.37	46.7	15.4
08/03/95	16:35	92.7	128.2	6.4	29.37	47.8	22.2
08/03/95	16:40	92.7	121	7.6	29.37	45.4	12.8
08/03/95	16:45	92.2	117	10.6	29.37	48	17.9
08/03/95	16:50	92.1	106.9	11.1	29.37	45.2	10.7
1 00/00/30					~0.0,	10.2	10.7
08/03/95	16:55	92.1	90	9	29.37	44	9.1

			WD	WS	BP	RH	Sigma
Data	Time	Tomp (E)	Scalar	Scalar (mob)		(%)	Theta
Date Run 5	Time	Temp (F)	(Deg)	(mph)_	(in Hg)	(70)	meia
08/03/95	18:15	91.7	103	9.3	29.36	45.2	10.2
08/03/95	18:20	91.6	108	9.4	29.36	45	15.
08/03/95	18:25	91	116.1	9.5	29.36	47.1	8.7
08/03/95	18:30	90.1	105.1	10.5	29.36	49.8	7.6
08/03/95	18:35	89.9	108.9	8.5	29.36	51.6	7.2
08/03/95	18:40	90.1	119.9	7.4	29.36	51.8	
08/03/95	18:45	90.7	113.9	7.8	29.36	50.9	9.2
08/03/95	18:50	90.7	117.9	10.4	29.36	50.6	7.9
08/03/95	18:55	90.6	109.1	9.9	29.36	50.3	10.6
08/03/95	19:00	90.5	112.1	10.7	29.36	50.2	11.4
08/03/95	19:05	90.4	110	8.6	29.36	49.8	8.
08/03/95	19:10	90.3	106.9	9.1	29.36	50.1	9.
08/03/95	19:15	90.1	99	8.4	29.36	50.5	7.9
08/03/95	19:20	89.7	98.1	8.2	29.36	50.7	8.
08/03/95	19:25	89.6	101.9	7.1	29.37	51.5	7.9
08/03/95	19:30	89.3	95.1	7.6	29.37	52.5	7.
08/03/95	19:35	88.8	97.9	8.4	29.37	53.1	6.
08/03/95	19:40	88.4	94.9	7.4	29.37	54.6	5.
08/03/95	19:45	88.1	93.1	6.8	29.37	55.6	6.
08/03/95	19:50	87.7	93.1	6.8	29.37	56.9	5.
08/03/95	19:55	87.2	97.9	7.1	29.37	58.9	5.
08/03/95	20:00	86.8	101	6.5	29.37	61.3	7.
08/03/95	20:05	86.4	103.9	5.7	29.37	63.6	5.
08/03/95	20:10	85.9	97.9	4.3	29.37	65.8	
08/03/95	20:15	85.5	92	4	29.37	67.3	2.
08/03/95	20:20	85.1	97	4.2	29.37	69.1	2.
08/03/95	20:25	84.6	103	. 4.1	29.37	71.5	2.
08/03/95	20:30	84.3	93.1	5	29.37	73.2	4.
08/03/95	20:35	83.7	93.1	4.9	29.37	75.2	4.
08/03/95	20:40	83	103	4.8	29.37	78	2.
08/03/95	20:45	82.5	106	3.8	29.37	79.8	2.
08/03/95	20:50	82.3	103	3.7	29.37	81.2	2.
08/03/95	20:55	82.2	99	3.9	29.37	82.2	3.
08/03/95	21:00	82.2	90.9	4.8	29.37	82.9	5.
08/03/95	21:05	81.7	103	4.1	29.37	84	4.
08/03/95	21:10	81.5	106.9	3.8	29.37	84.9	
08/03/95	21:15	81.6	94.9	3.9	29.37	84.7	5
08/03/95	21:20	82	80.1	3	29.37	84.3	1
08/03/95	21:25	81.8	78	3	29.37	83.7	0
08/03/95	21:30	82.1	76	2.8	29.37	83.6	2.
08/03/95	21:35	. 81.5	72	1.9	29.37	85.7	
08/03/95	21:40	80.1	27	3.3	29.38	91.1	20
08/03/95	21:45	80.5	15	3.2	29.38	91.6	8
08/03/95	21:50	80.6	54.9	3.2	29.38	91.7	3
08/03/95	21:55	80.2	54.9	2.5	29.38	91.2	
08/03/95	22:00	79.9	54.9	1.4	29.38	93.6	3
08/03/95	22:05	79.3	54.9	1.1	29.39	93.1	
08/03/95	22:10	78.9	54.9	1.1	29.39	93.9	0
08/03/95	22:15	79.5	51	1.1	29.4	93.8	
08/03/95	22:20	79.6	51	2.3	29.4	93.8	
08/03/95	22:25	78.8	51	2.4	29.4	95.6 94.8	0
08/03/95	22:30	79	58	3	29.39		3
08/03/95	22:35	78.1	63	2.4	29.39	98.6	
08/03/95	22:40	78	63	1.2	29.4	99.2	
08/03/95	22:45	78.3	63	1.1	29.4	98.6	0
08/03/95	22:50	77.7	61	1.1	29.4	98.9	2
08/03/95	22:55	78.1	41.1	1.1	29.4	97.1	4
08/03/95	23:00	78.4	38	1.1	29.4	96.7	
08/03/95 08/03/95	23:05 23:10	78.3 77.7	38 45.9	1.1	29.4 29.4	96.9 99.3	
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orological Data			WD	ws			
					BP	RH	Ciama
Data	Time	Tomp (C)	Scalar	Scalar			Sigma
Date 08/03/95	Time 23:20	Temp (F)	(Deg)	(mph)	(in Hg) 29.41	(%) 99.4	Theta
		77.8	60	2	29.41	99.4	0.4
08/03/95	23:25	77.7	60	1.1		99.6	0
08/03/95	23:30	77.4	60	1.1	29.41		0
08/03/95	23:35	77.2	60	1.1	29.41	99.5	0
08/03/95	23:40	77.2	60	1.1	29.41	99.6	0
08/03/95	23:45	76.9	60	1.1	29.41	99.6	0
08/03/95	23:50	76.6	60	1.1	29.41	99.7	0
08/03/95	23:55	76.6	60	1.1	29.41	99.7	0
08/03/95	00:00	76.9	60	1.1	29.41	99.7	0
08/04/95	00:05	76.6	60	1.1	29.41	99.7	0
08/04/95	00:10	77.1	60	1.1	29.41	99.6	0
08/04/95	00:15	77.5	60	1.1	29.41	99.6	0
08/04/95	00:20	77.6	60	1,1	29.41	99.6	0
08/04/95	00:25	77	58.9	1.1	29.41	99.7	1.5
08/04/95	00:30	76.9	58	1.1	29,41	99.6	0
08/04/95	00:35	76.2	58	1.2	29.41	99.7	0
08/04/95	00:40	76.2	58	2	29.41	99.7	0
08/04/95	00:45	76.2	58	1.1	29.41	99.6	0
08/04/95	00:50	75.9	58	1.1	29.41	99.7	0
08/04/95	00:55	75.4	58	1.1	29.41	99.6	0
08/04/05	01:00	75.7	58	1.1	29,41	99,7	Û
08/04/95	01:05	75.6	58	1.1	29.41	99.7	0
08/04/95	01:10	75.9	58	1.1	29.41	99.7	0
08/04/95	01:15	76	58	1.1	29.41	99.6	0
08/04/95	01:20	76	58	1.1	29.41	99.7	0
08/04/95	01:25	76.1	58	1.1	29.41	99.7	0
08/04/95	01:30	75.3	58	1.1	29.41	99.6	0
08/04/95	01:35	75.8	59.1	1.1	29.41	99.7	1.4
08/04/95	01:40	75.9	63	1.1	29.41	99.7	0
08/04/95	01:45	75.6	70	1.3	29.41	99.7	26.5
08/04/95	01:50	75.4	133	2.6	29.4	99.7	9.4
08/04/95	01:55	75.6	121.9	4	29.4	99.7	2.8
08/04/95	02:00	76	122	4.3	29.4	99.4	0
08/04/95	02:05	76	130.9	4	29.4	98.4	7.5
08/04/95	02:10	76.1	156.1	3.2	29.4	96.8	8.7
_08/04/95	02:15	76	162.2	3.3	29.4	96.2	6
08/04/95	02:20	75.9	158	3	29.4	96.5	5.8
08/04/95	02:25	75.7	164.2	. 3	29.4	96.9	6.5
08/04/95	02:30	75.6	176.9	3.5	29.4	96.1	7.2
08/04/95	02:35	75.9	188.1	3.4	29.4	94.9	6.1
08/04/95	02:40	75.7	230.9	1.7	29.4	98	23.2
08/04/95	02:45	75.3	198.9	2.8	29.4	98.4	9.8
08/04/95	02:50	75.3	216.2	2.3	29.4	99.5	9.1
08/04/95	02:55	75.2	218.2	2.6	29.4	99.5	8.5
08/04/95	03:00	75.2	215.1	2.8	29.4	99.4	3.2
08/04/95	03:05	75	223.9	3.1	29.4	99.6	6.3
08/04/95	03:10	75	234.9	2.6	29.4	99.6	5.5
08/04/95	03:15	74.9	232.2	2.5	29.4	99.6	6.1
08/04/95	03:20	74.9	261.2	1.4	29.4	99.6	8.3
08/04/95	03:25	74.9	268.2	1.1	29.4	99.6	0
08/04/95	03:30	74.9	268.2	1.1	29.4	99.6	0
08/04/95	03:35	74.8	268.2	1.1	29.4	99.6	1.2
08/04/95	03:40	74.5	261.9	1.1	29.4	99.6	11.4
08/04/95	03:45	73.8	202	2.7	29.4	99.6	10.6
08/04/95	03:50	74.1	211.1	3.7	29.4	99.6	8.2
08/04/95	03:55	74.2	226.3	3.1	29.4	99.6	4.6
08/04/95	04:00	74	211	2.6	29.4	99.6	7.9
08/04/95	04:05	73.9	223.9	2.5	29.4	99.6	9.8
08/04/95	04:03	74	248.2	1.3	29.4	99.6	1.6
08/04/95	04:15	73.8	248.2	1.1	29.4	99.6	0.0
08/04/95	04:13	73.5	248.2		29.4	99.6	
	U7.20	73.6	248.2	1.1	29.41	33.0	0

Very small town POTW

Meteorological Data			WD	ws			
			Scalar	Scalar	BP	RH	Sigma
Date	Time	Temp (F)	(Deg)	(mph)	(in Hg)	(%)	Theta
08/04/95	04:30	73.5	248.2	1.1	29.41	99.6	0
08/04/95	04:35	73.5	248.2	1.1	29.4	99.6	0
08/04/95	04:40	73.6	248.2	1.1	29.41	99.6	0
08/04/95	04:45	73.6	206.1	1.1	29.4	99.6	43
	04:45		123.8	1.1	29.4	99.6	2
08/04/95 08/04/95		73			29.4	99.6	
	04:55	72.9	121.9	1.1	29.4		1.9
08/04/95	05:00	72.9	113	1.1	29.4	99.6	6.3
08/04/95	05:05	73.2	108.9	1.1			0
08/04/95	05:10	73.2	106.9	1.1	29.4 29.41	99.6	4.3
08/04/95	05:15	73.2	11.9	2.9		99.6	43.2
08/04/95	05:20	73.3	307.8	3.2	29.4	99.6	10.8
08/04/95	05:25	73.3	295.2	1.8	29.4	99.6	0
08/04/95	05:30	73	295.2	1.2	29.4	99.6	0
08/04/95	05:35	73	294.8	1.1	29.41	99.6	0
08/04/95	05:40	73.2	294.8	1.1	29.41	99.6	0
08/04/95	05:45	73.4	294.8	1.1	29.41	99.6	0
08/04/95	05:50	73.3	294.8	1.1	29.41	99.6	0_
08/04/95	05:55	73.2	296.3	1.1	29.42	99.6	2
08/04/95	06:00	73.2	301.3	1.1	29.42	99.6	4.6
08/04/95	06:05	73.1	301.3	1.1	29.42	99.6	0
08/04/95	06:10	72.7	301.3	1.1	29.42	99.6	0
08/04/95	06:15	72.5	301.3	1.1	29.42	99.6	0
08/04/95	06:20	72.6	301.3	1.1	29.42	99.6	0
08/04/95	06:25	72.6	301.3	1.1	29.42	99.6	0
08/04/95	06:30	72.3	301.3	1.1	29.42	99.6	0
08/04/95	06:35	72.6	302.9	1,1	29.42	99.6	1.6
08/04/95	06:40	73.3	327.2	1.1	29.42	99.6	10.8
08/04/95	06:45	73.5	335.3	1.1	29.42	99.6	0
08/04/95	06:50	73.7	335.3	1.1	29.42	99.7	0
08/04/95	06:55	74.3	335.3	1.1	29.42	99.7	Ó
08/04/95	07:00	75	335.3	1.1	29.42	99.7	0
08/04/95	07:05	75.7	335.9	1.1	29.42	99.7	1.2
08/04/95	07:10	76.6	336.1	1.1	29.43	99.7	0.6
08/04/95	07:15	77.1	335.9	1.1	29.43	99.7	1.5
08/04/95	07:20	76.9	329.4	1.1	29.43	99.7	0
08/04/95	07:25	77.2	320	1.3	29.43	99.7	9.9
08/04/95	07:30	77.5	262.3	1.6	29.43	99.7	3.5
08/04/95	07:35	77.8	259.2	2.5	29.44	99.7	7.6
08/04/95	07:40	78	240.3	2.4	29.44	99.7	15.7
08/04/95	07:45	78.6	261.9	1.5	29.44	99.4	11.3
08/04/95	07:50	79.1	246.2	1.4	29.44	98.3	8
08/04/95	07:55	79.6	235.8	1.6	29.45	97.1	5
08/04/95	08:00	80.2	220.1	1.6	29.45	95.3	0.9
08/04/95	08:05	80	223.9	4	29.45	94.6	11.3
08/04/95	08:10	79.9	226.3	4.8	29.45	95.3	12.6
08/04/95	08:15	80	232.9	5	29.45	94.6	10.6
08/04/95	08:20	80.3	223.9	4.2	29.45	93.8	16.5
08/04/95	08:25	80.7	235.8	5	29.45	91.2	
08/04/95	.08:30	81	247		29.45		16.5
	08:35			4.1		90.9	15.4
08/04/95		81.4	231.1	5.3	29.45	88.6	15.4
08/04/95	08:40	81.7	262.8	5.2	29.45	86	14.2
08/04/95	08:45	82.1	283.3	5.5	29.45	83.2	14.5

APPENDIX E

INDIVIDUAL VALID EMISSION RATE DETERMINATIONS

- **EX- Example Calculation for Emission Rates**
- E1 Beef Processing Plant in Southwest U.S.
- E2 Beef Processing Plant in Midwest U.S.
- E3 Chicken Processing Plant in Southeast U.S.
- E4 POTW for Small Town in Southwest U.S.
- E5 POTW for Very Small Town in Southwest U.S.

EXAMPLE CALCULATION FOR EMISSION RATES

The following data reduction scheme was followed:

- 1. Determine the average upwind concentration for each compound at each site.
- 2. Determine the minimum and maximum downwind values for each compound at each site.
- 3. Determine periods of valid meteorological date (= ideal wind direction of +/- 30 degrees for all sites except SW Beef where a value of +/- 15 degrees was used)
- 4. Subtract upwind values from downwind values for all valid time periods.
- 5. Convert concentrations to µg/m³ using the following conversion factors:

Compound	ppg to μg/m³	Compound	ppg to μg/m³	Compound	ppg to μg/m³
H ₂ O	0.7368	со	1.146	Methylene Chloride	3.474
CO ₂	1.8000	C₂H₄	1.065	Chloroform	4.883
SF ₆	5.9734	H ₂ S	1.394	Carbon Tet	6.291
CH,	0.6560			Trichlorofluoromethane	5.618
NH ₃	0.6965	·		Dichlorodifluoromethane	4.945
N₂O	1.8000				

6. Calculate emission rates for each compound using Equation 4-2:

 $ER = ER \text{ of } SF_6 \bullet (Conc. \text{ of gas})/(Conc. \text{ Of } SF_6)$

ER of $SF_6 = 0.700$ g/sec.

EXAMPLE

From Appendix B, for the time period ending at 0240 on 8/24/95, the measured CH₄ concentration was 123.85 ppm and the measured SF₆ concentration was 0.06428 ppm. The average upwind data for this site from Table 5-2 is a CH₄ concentration of 2.3. Ppm and a SF₆ concentration of 0.00054 ppm. Using the conversion factors shown above, this yields a difference between the downwind and upwind values of:

CH₄: $(123.85 - 2.3) (0.656) (1000 \text{ ppb/ppm}) = 79,740 \mu\text{g/m}^3$ SF₆: $(0.06428 - 0.00054) (5.9734) (1000 \text{ ppb/ppm}) = 380.7 \mu\text{g/m}^3$

Using Equation 4-2, the emission rate for methane is:

 $(0.700 \text{ g/sec}) \cdot (79,740 / 380.7) = 147 \text{ g/sec}$

This value is given in appendix E1 for this data point. The wind direction during this time period was 161 degrees.

Beef Proces	sing Plant in	the SW U.S.		 	
				нсс	
		CH4	NH3	(TNMHC)	
		Emission	Emission	Emission	WD
		Rate	Rate	Rate	 Scalar
<u>D</u> ate	Time	(g/sec)	(g/sec)	(g/sec)	 (Deg)
08/23/95	06:50:15	169	0.995	0.000	 146
08/23/95	14:49:53	221	3.363	0.000	146
08/23/95	15:59:58	436	4.092	0.000	 146
08/25/95	03:50:05	291	2.108	0.000	 146
08/23/95	22:54:52	5619	43.458	0.000	146
08/24/95	01:44:55	414	3.798	0.000	 146
08/24/95	07:25:01	215	1.791	0.000	146
08/24/95	23:30:00	1306	9.432	0.000	146
08/25/95	01:00:02	1079	7.749	0.000	 146
08/25/95	01:05:02	863	7.009	0.000	 146
08/25/95	01:10:02	2292	17.462	66.964	 146
08/25/95	03:45:05	1386	6.768	0.000	 146
08/23/95	23:19:52	308	2.339	0.000	 147
08/24/95	00:59:54	263	1.937	0.000	147
08/24/95	<u>01:</u> 19:54	247	1.996	0.000	 147
08/24/95	01:59:56	268	2.119	0.000	 147
08/24/95	03:19:56	160	. 1.065	0.000	147
08/25/95	02:55:04	770	4.704	0.000	.147
08/25/95	04:25:07	238	1.250	0.000	147
08/23/95	04:40:12	165	0.653	3.895	148
08/24/95	02:09:56	439	3.254	0.000	148
08/24/95	03:14:56	280	2.443	0.000	 148
08/24/95	07:35:01	154	0.685	0.000	148
08/24/95	07:45:03	130	0.577	0.000	 148
08/25/95	01:50:03	329	2.076	0.000	148
08/23/95	23:09:52	690	6.314	0.000	148
08/24/95	01:14:55	248	1.813	0.000	 148
08/24/95	03:09:56	236	1.857	0.000	148
08/24/95	04:14:58	113	0.584	0.000	148
08/25/95	00:15:01	656	4.972	0.000	148
08/25/95	02:40:04	144	1.216	4.038	 148
08/25/95	03:25:04	344	3.354	0.000	 148
08/25/95	04:15:06	217	0.928	3.530	148
08/23/95	04:20:12	161	0.887	0.000	 149
08/23/95	13:04:51	307	3.668	0.000	 149
08/23/95	13:29:52	231	3.343	0.000	149
08/24/95	07:50:02	107	0.653	0.000	149
08/24/95	23:35:00	418	4.236	0.000	 149
08/24/95	23:50:01	738	6.299	0.000	149
08/25/95	04:20:06	176	1.054	0.000	149
08/24/95	01:49:55	379	3.321	0.000	149

Beef Proces	sing Plant in 1	the SW U.S.				
				HCC		
		CH4	NH3	(TNMHC)		
		Emission	Emission	Emission		WD
		Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
08/24/95	03:34:57	143	1.018	0.000		149
08/24/95	06:35:01	149	0.604	0.000		149
08/24/95	23:45:01	392	4.125	0.000		149
08/25/95	02:35:04	191	1.581	0.000		149
08/25/95	03:35:04	574	4.159	0.000		149
08/25/95	04:00:05	212	1.411	0.000		149
08/25/95	04:30:07	207	1.231	0.000		149
08/23/95	03:20:11	160	_0.563	0.000		150
08/24/95	00:34:55	126	1.048	0.000		150
08/24/95	01:04:55	134	1.002	0.000	·	150
08/24/95	02:49:57	113	0.592	2.375		150
08/25/95	00:50:01	339	2.431	0.000		150
08/25/95	03:10:03	257	2.810	0.000		150
08/25/95	03:15:03	392	2.967	0.000		150
08/25/95	04:05:06	202	1.316	0.000		150
08/23/95	02:55:11	177	0.881	4.141		150
08/23/95	05:30:13	185	0.959	0.000		150
08/23/95	06:55:15	169	1.013	0.000		150
08/24/95	00:54:54	136	0.808	3.365		150
08/24/95	19:54:54	445	2.467	6.628		150
08/24/95	23:40:00	236	3.207	0.000		150
08/25/95	00:00:00	345	3.065	0.000		150
08/25/95	00:05:00	326	3.168	0.000	·	150
08/25/95	00:30:00	273	2.518	0.000		150
08/25/95	00:55:01	307	2.579	0.000		150
08/25/95	02:05:02	160	1.076	4.056		150
08/25/95	03:30:04	132	1.422	0.000		150
08/24/95	00:29:54	141	1.110	0.000	•	151
08/24/95	01:34:55	140	1.116	0.000		151
08/24/95	01:39:55	178	1.650	0.000		151
08/24/95	01:54:56	137	0.924	0.000		151
08/24/95	23:55:01	336	3.136	0.000		151
08/25/95	00:20:01	311	3.013	0.000		151
08/25/95	00:45:01	209	1.445	4.580		151
08/25/95	03:20:03	340	3.218	0.000		151
08/23/95	04:15:12	185	0.820	0.000		151
08/23/95	04:25:13	182	0.776	0.000		151
08/23/95	04:55:13	160	0.819	0.000		151
08/23/95	05:55:14	174	0.903	0.000		151
08/23/95	06:00:14	159	1.014	0.000	<u> </u>	151
08/24/95	01:29:55	228	2.159	0.000	 	151

Beef Proces	sing Plant in 1	the SW U.S.		T		
				нсс		
		CH4	NH3	(TNMHC)		•
		Emission	Emission	Emission		σw
		Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
08/24/95	02:14:56	151	1.218	0.000		151
08/24/95	02:54:57	105	0.692	0.000		151
08/24/95	03:04:56	157	1.090	0.000		151
08/24/95	03:29:57	192	1.366	0.000		151
08/24/95	03:39:57	124	0.842	0.000		151
08/24/95	07:30:01	136	0.843	0.000		151
08/25/95	01:25:02	91	2.170	0.000		151
08/24/95	00:39:55	114	0.773	2.430		152
08/24/95	01:09:55	134	0.767	2.888		152
08/24/95	03:44:58	129	0.827	0.000		152
08/25/95	00:40:01	160	1.271	3.912		152
08/25/95	01:45:03	574	4.063	0.000_		152
08/23/95	04:50:13	174	0.776	4.143		152
08/23/95	06:10:13	207	0.959	0.000		152
08/24/95	00:09:53	315	1.811	0.000	<u> </u>	152
08/24/95	06:40:01	148	0.721	0.000		152
08/25/95	00:10:00	238	2.232	0.000		152
08/25/95	00:35:00	162	1.678	0.000		152
08/25/95	03:55:05	239	1.748	0.000		152
08/23/95	05:25:13	189	0.980	0.000		153
08/23/95	13:24:51	230	3.617	0.000		153
08/23/95	23:39:53	162	1.549	0.000_		153
08/24/95	04:19:58	141	0.853	0.000		153
08/24/95	19:49:54	220	1.336	4.314		153
08/25/95	00:25:00	178	1.781	0.000	}	153
08/24/95	00:24:54	139	0.812	2.851		153
08/25/95	02:25:03	88	1.280	3.857_		153
08/25/95	04:40:06	193	1.551	0.000		153
08/23/95	06:05:13	166	0.962	0.000		154
08/23/95 08/24/95	23:34:51 06:30:00	135	1.241	0.000		154
		142	0.536	2.824		154
08/25/95 08/23/95	04:35:07 04:10:12	209 178	1.628 0.720	0.000 3.878	 	154
08/23/95	13:19:53	200	2.745	0.000	<u> </u>	154
08/23/95	23:24:51	174	1.073	3.762		154
08/23/95	00:14:54	172	1.193	4.157_	 	154
08/24/95	03:49:58	127	0.842	0.000		154
08/24/95	02:59:57	108	0.756	2.346		155
08/25/95	02:00:02	146	1.491	4.736	 	155
08/23/95	04:35:13	162	0.551	0.000	 	155
08/24/95	00:44:55	100	0.559	1.997		155

Beef Proces	sing Plant in t	he SW U.S.				
				нсс		
		CH4	NH3	(TNMHC)		
		Emission	Emission	Emission		WD
	_	Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
08/24/95	03:54:58	107	0.625	2.434		155
08/24/95	00:49:54	129	0.636	2.643		156
08/23/95	04:05:12	167	0.676	0.000		156
08/23/95	05:00:13	160	0.827	0.000		156
08/23/95	23:29:51	167	1.143	0.000	1	156
08/24/95	02:19:56	135	0.700	2.721		156
08/23/95	04:30:13	170	0.596	0.000		157
08/23/95	05:20:13	172	0.858	0.000		157
08/23/95	12:59:51	383	4.417	0.000		157
08/23/95	14:04:52	232	3.689	0.000		157
08/23/95	12:54:52	236	2.940	0.000		157
08/24/95	08:00:02	160	0.956	0.000		157
08/25/95	04:10:06	109	0.889	3.328	··	157
08/23/95	23:44:52	155	0.962	3.403		158
08/24/95	02:44:56	147	0.567	0.000		158
08/25/95	07:45:12	208	1.426	0.000		158
08/23/95	13:14:52	. 238	3.326	0.000		158
08/24/95	03:59:57	127	0.611	2.886		159
08/24/95	06:25:00	155	0.695	3.866		159
08/23/95	05:15:12	153	0.703	0.000		159
08/23/95	12:34:51	217	3.123	0.000		159
08/23/95	13:54:52	290	4.238	0.000		159
08/24/95	00:19:54	121	•			_
-	04:09:57		0.723	2.528		. 159
08/24/95	· ·	148	0.679	3.274		159
08/24/95	07:55:02	135	0.937	0.000		159
08/25/95	07:40:12	224	1.379	0.000		159
08/23/95	03:10:12	162	0.628	3.638		160
08/23/95	03:15:12	137	0.441	3.094		160
08/23/95	05:10:12	160	0.622	0.000		160
08/23/95	15:24:55	228	2.546	0.000		160
08/23/95	15:19:55	256	3.392	0.000		161
08/25/95	04:45:06	230	1.666	5.315	<u> </u>	161
08/23/95	02:50:11	169	0.578	3.753	<u> </u>	161
08/23/95	12:39:51	291	3.205	0.000	 	161
08/24/95	02:34:56	160	0.515	0.000	 	161
08/24/95	02:39:56	147	0.565	0.000	 _	161
08/25/95	07:50:13	199	1.354	4.650_	<u> </u>	162
08/23/95	05:05:13	179	0.671	0.000	<u> </u>	162
08/23/95	07:35:16	169	0.771	0.000		162
08/23/95	12:44:51	216_	2.750	0.000		162
08/24/95	02:24:57	165	0.767	3.350	L	162

Beef Proces	sing Plant in t	the SW U.S.		ļ		
			 _	HCC		
		CH4	NH3	(TNMHC)		
		Emission	Emission	Emission		WD
		Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
08/24/95	04:24:58	154	0.799	3.230		<u> 162</u>
08/23/95	23:49:52	185	0.833	4.163		164
08/23/95	13:49:52	471	5.332	0.000		165
08/23/95	14:44:52	800	8.820	0.000		165
08/24/95	02:29:57	169	0,666	0.000		165
08/23/95	10:59:50	262	2.097	0.000		165
08/23/95	14:59:54	267	4.213	0.000		165
08/25/95	04:55:07	263	1.491	5.437		165
08/23/95	11:09:50	196	2.030	0.000		166
08/24/95	06:45:01	160	0.641	3.336	-	166
08/25/95	05:00:07	212	1.309	4.899		<u> 166</u>
08/23/95	12:24:52	215	2.770	0.000		166
08/23/95	13:09:52	647	6.456	0.000		166
08/25/95	_04:50:07	227	1.584	5.123		<u> 166</u>
08/25/95	07:35:12	234	1.491	0.000		166
08/23/95	11:25:03	213	2.055	0.000		167
08/24/95	07:00:00	142	0.577	0.000		167
08/25/95	05:05:06	247	1.334	4.803		167
08/23/95	15:14:55	424	5.279	0.000		168
08/23/95	15:49:57	698	6.338	0.000		168
08/23/95	12:49:52	374	5.376	0.000		168
08/24/95	08:05:02	159	0.948	0.000		168
08/24/95	19:04:55	238	1.868	5.508		168
08/24/95	06:20:01	152	0.668	0.000		169
08/23/95	14:09:53	205	2.996	0.000		169
08/23/95	14:34:56	454	4.807	0.000		169
08/24/95	19:44:55	225	1.355	4.909		169
08/24/95	04:29:57	159	0.728	0.000		170
08/23/95	15:39:56	246	3.702	0.000	·	171
08/24/95	04:04:57	152	0.606	0.000		171
08/24/95	18:54:56	312	2.269	6.102		171
08/24/95	19:19:54	217	1.860	5.239		171
08/25/95	08:15:14	212	1.573	0.000		171
08/23/95	07:40:16	1 <u>5</u> 0	0.611	0.000		171
08/23/95	10:04:51	202	1.571	0.000		171
08/24/95	19:39:55	289	1.479	5.980	<u> </u>	171
08/25/95	05:15:07	256	1.355	0.000		171
08/25/95	07:55:13	232	1.332	4.825		171
08/24/95	18:49:55	202	1.625	5.508		172
08/25/95	05:10:06	226	1.285	4.552		172
08/23/95	10:49:51	217	1.894	0.000		172

SW Beef

Beef Proces	sing Plant in 1	the SW U.S.	-]	
				нсс	·	
		CH4	NH3	(TNMHC)		
		Emission	Emission	Emission		WD
		Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
08/23/95	11:59:49	333	3.113	0.000		172
08/24/95	18:44:54	280	2.331	6.673		172
08/24/95	19:14:54	289	1.998	5.774		172
08/25/95	05:40:07	248	1.337	5,185		172
08/24/95	08:15:03	177	0.917	0.000		173
08/24/95	18:59:54	236	1.984	6.016		173
08/25/95	05:35:06	212	1.260	4.729		173
08/25/95	07:30:12	224	1.190	4.861		173
08/23/95	10:44:51	469	3.353	0.000		173
08/24/95	04:34:57	156	0.750	3.343		173
08/25/95	05:20:07	254	1.461	5.604		173
08/23/95	09:59:50	242	1.551	0.000		174
08/23/95	11:29:55	300	2.718	0.000		174
08/24/95	05:55:00	157	0.502	0.000		174
08/24/95	08:10:03	153	0.808	0.000		174
08/25/95	05:45:07	233	1.278	5.279		174
08/24/95	08:20:03	161	0.885	0.000	_	175
08/24/95	19:29:55	190	1.543	5.494		175
08/24/95	19:34:54	182	1.210	4.789		175
08/23/95	10:54:50	321	2 <u>.</u> 311	0.000		175_
08/23/95	11:04:50	335	2.967	0.000	· ·	175
08/24/95	19:09:55	255	1.743	5.588		175_
08/25/95	05:30:06	224	1.157	0.000		175
08/25/95	08:00:13	272	1.372	0.000		175
08/25/95	08:20:14	273	1.427	0.000		175
08/25/95	08:25:14	296	1.622	0.000		175
08/23/95	10:09:50	252	1.693	0.000		176
08/24/95	19:24:55	231	1.653	5.247		176
08/25/95	08:40:15	226_	1.435	0.000		176
08/23/95	11:49:54	318	4.226	0.000		176
08/25/95	08:35:15	209	1,381	0.000		176
08/23/95	10:14:50	466	2.540	0.000		176
08/25/95	08:45:15	253	1.606	0.000		176

			U.Ş	t in Midwest	cessing plan	Site: Beef pro
		HCC				
		(TNMHC)	NH3	CH4		_
WD		Emission Rate	Emission Rate	Emission Rate		
Scalar (Deg)	+	(g/sec)	(g/sec)	(g/sec)	Time	Date
(Degr		19.000.	(8,000)	19.0007	V	
134.8		356.171	134.796	10195.756	16:55:03	8/31/95
134.8		478.419	182.702	13119.584	13:59:59	8/31/95
134.8		369.280	136.652	10486.480	16:50:02	8/31/95
134.8		0.000	3.939	198.003	23:19:56	8/30/95
135		373.856	138.270	10782.099	17:15:02	8/31/95
135.9		0.000	3.388	182.589	23:39:55	8/30/95
135.9		0.000	3.853	206.218	23:54:55	8/30/95
136.1		7.905	2.876 3.445	207.397	22:34:54 23:44:56	8/31/95 8/30/95
136.1 136.8		6.922 6.476	2.040	182.724 175.434	22:04:54	8/31/95
136.8		6.772	2.054	187.392	22:14:55	8/31/95
136.8		384.024	133.024	10960.122	12:44:58	8/31/95
136.8		6.773	2.119	188.748	22:09:55	8/31/95
136.8		U.000	4.068	194.525	23:14:56	8/30/95
137.2		6.764	2.052	194.667	21:49:53	8/30/95
137.2		7.275	2.020	191.277	21:14:53	8/31/95
137.2		6.377	1.975	178.989	21:59:54	8/31/95
137.2		401.312	185.507	10757.328	14:04:59	8/31/95
138.1		7.016	2,125	191.356	21:54:55	8/31/95
139.1		249.557	99.852	7540.790	17:45:03	8/31/95
139.1		7.087	2.082	189.051	21:49:55	8/31/95
139.9		6.784	1.951 2.037	179.653	20:49:52 23:29:55	8/31/95 8/31/95
139.9 139.9		7.011 0.000	3.725	200.049	19:14:52	8/30/95
139.9		0.000	3.536	210.921	19:09:51	8/30/95
140		7.048	2.079	183.417	21:19:54	8/31/95
140		6.958	1.992	177.885	21:09:53	8/31/95
140		7.365	2.266	204.175	23:24:56	8/31/95
140.9		7.382	2.300	204.216	23:19:56	8/31/95
140.9		7.075	2.299	203.802	22:14:53	8/30/95
140.9		7.834	4.039	193.616	23:59:55	8/30/95
<u>141.1</u>		7.269	2.201	197.002	21:44:54	8/31/95
141.1		7.391	2.221	208.413	23:09:56	8/31/95
141.1		7.569	3.812	195.576 177.341	0:04:56	8/31/95 8/31/95
141.8		6.345 583.771	1.811 197.983	15145.436	20:54:52 17:00:02	8/31/95
141.8 141.8	 +	469.809	195.949	13014.235	14:19:59	8/31/95
142		6.995	2.119	191.176	21:29:53	8/30/95
142		300.159	89.197	8633.740	12:14:57	8/31/95
142		7.143	2.144	202.044	23:14:55	8/31/95
142		6.733	2.224	182.121	21:34:55	8/31/95
142		7.237	2.360	195.471	21:39:54	8/31/95
142		7.914	2.974	213.952	22:39:55	8/31/95
142		7.995	3.795	202.753	0:09:56	8/31/95
142.9		8.041	1.917	167.564	21:59:54	8/30/95
142.9		7.891	2.471	219.223	23:04:55	8/31/95
143.1		6.856 358.567	2.010 148.556	194.185 8891.208	23:34:55 16:20:01	8/31/95 8/31/95
143.1 143.1		0.000	3.714	205.262	19:19:52	8/30/95
144		0.000	3.968	196.839	0:14:55	8/31/95
144.2		4.246	1.086	137.187	18:19:52	8/30/95
144.2		8.260	3.648	210.837	1:09:57	8/31/95
144.2		0.000	3.951	185.890	0:34:55	8/31/95
144.9		6.401	2.025	173.843	21:04:53	8/31/95
144.9		6.998	2.357	190.619	21:29:55	8/31/95
144.9		0.000	3.930	187.038	0:39:55	8/31/95
144.9		0.000	4.360	191.878	0:29:56	8/31/95
145.1		6.698	1.937	178.856	20:59:52	8/31/95
145.1		6.725	2.238	179.934	21:24:54	8/31/95
145.1 145.1		7.581 7.905	2.618 3.554	208.536 213.429	22:59:55 1:14:56	8/31/95 8/31/95
145.1		4.343	0.960	142.429	18:24:51	8/30/95
145.8		7.653	3.401	198.327	1:19:56	8/31/95
145.8		7.168	3.508	191.132	1:04:57	8/31/95
145.8		0.000	3.896	196.535	19:34:51	8/30/95
145.8		0,000	4.191	205.344	19:24:52	8/30/95
146.2		369.047	145.970	10626.576	17:05:02	8/31/95
14		369.047 307.322	145.970 137.215	10626.576 8538.693	17:05:02 16:25:02	8/31/95 8/31/95

осог р.с	7	t in Midwest (HCC		
	 	CH4	NH3	(TNMHC)	 -	
	 	Emission	Emission	Emission		WD
		Rate	Rate	Rate		Scalar
Date	Time	(g/sec)	(g/sec)	(g/sec)		(Deg)
3/31/95	16:40:03	9548.900	152.809	378.365		146.2
3/31/95	0:19:55	189.792	4.072	7.523		146.2
B/31/95	0:24:56	184.601	4.082	7.441		146.2
B/31/95	0:59:56	190.037	3.649	7.257		146.9
8/30/95	19:29:51	213.886	4.486	0.000		146.9
8/31/95	0:44:55	193.311	3.856	0.000		146.9
8/31/95	22:44:56	214.430	2.825	7.962		147.1
8/30/95	21:54:53	170.971	1.825	5.893	·———-	148
8/31/95	15:19:59	7541,115	142.348	280.326	<u></u>	148
8/31/95	2:04:59	195.118	3.382	7.569	 	148
8/30/95	19:39:52	204,992	3.777	7.607	 -	148
8/31/95	23:39:56	196.909	2.022	6.914		148.1
8/31/95	15:30:00	8445.984	141.992	305.881 0.000		148.1
8/31/95	0:54:56	195.039	4.003 4.121	0.000	 	148.1
8/31/95		197.864	3.901	0.000	 	148.1 148.1
8/31/95 8/31/95	2:09:58	211.685 196.063	2.802	7.350		148.9
8/30/95	22:19:54	189.047	2.038	6.502	 	149
8/31/95	1:34:57	207.670	3.508	8.102	├───┤	149
8/31/95	10:39:56	3428.519	19.646	0.000		149.9
8/30/95	18:14:51	149.214	1.311	4.408		149.9
8/31/95	16:05:01	9782.125	140.747	348.610		149.9
8/31/95	22:49:56	202.944	2.840	7.509		150.1
8/31/95	14:39:59	7992.886	138.440	296.775		150.1
8/31/95	1:59;59	198,380	3.429	7.232		150.1
8/31/95	1:54:58	185.883	3.386	7,098		150.1
8/31/95	1:39:57	201.627	3.540	7.632		150.1
8/31/95	2:14:58	210.887	4.027	0.000		150.1
8/31/95	1:24:57	190.271	3.326	7.131	\ _	150.8
8/30/95	18:09:51	193.753	1.580	6.552		151
8/31/95	23:44:56	199,667	1.991	7.025		151
8/31/95	14:59:59	9572.370	136.556	345.418	ļ	151
8/30/95	21:44:54	207.551	. 2.128	7.362	├	151.9
8/31/95	14:15:00	10871,597	138.485	377.099	 	151.9
8/31/95 B/31/95	1:29:57	192.730 212.503	3.411 3.698	7.370 8.057	┞ ╌┈┷╌	151.9
8/31/95	2:19:59		3.816	0.000	 -	151.9 151.9
8/31/95	2:24:59	193.583 190.315	3.733	0.000	 	152.1
8/30/95	19:44:51	172.485	3.482	0.000	 	152.8
8/31/95	15:35:00	9645.966	212.440	377.297	 	152.8
8/31/95	16:10:02	8625.570	153.075	310.027	 	154.1
8/31/95	1:49:58	181.422	3.456	7.187	 	154.1
8/31/95	2:29:59	191,138	3.731	7.496		154.1
8/30/95	22:09:53	206.523	2.419	7.125	1	155.2
8/31/95	2:39:58	174.932	3.531	0.000	<u> </u>	155.9
8/31/95	2:34:58	190.165	3.808	7,327	I	155.9
8/31/95	14:35:00	8815.144	143.098	323.183		156.1
8/31/95	15:55:02	9696.587	153.212	339.114	<u> </u>	156.1
8/31/95	15:45:01	7923.599	157.292	289.368	<u> </u>	156.1
8/31/95	15:25:00	7606.209	146.394	286.497	ļ	156.1
8/31/95	23:49:55	196.439	2.213	6.830	 	157
8/30/95	22:04:54	206.896	2.338	7.149	 -	157.1
8/31/95	14:55:00	15155,306	194.890	580.655	 	157.1
8/31/95	15:10:00	9060.229	148.012	324.671	 	157.1
8/31/95	14:30:00	8169.362	136.644	311.273	 	157.1
8/30/95	21:34:53	182.852	1.850	7.379	 	157.9
8/31/95 8/31/95	2:44:59	186.376 10656.224	3.608 148.366	368.386	 -	157.9
8/29/95	22:49:59	188.118	2.737	7.457	 	158
8/31/95	2:49:59	180.998	3.623	6.993	 	158
8/31/95	14:50:00	B856.688	138.738	307.677	 	159.1
8/31/95	15:04:59	7644.818	152.554	301.257	 	159.1
8/31/95	16:00:01	10066.244	147.333	349.773	 	159.
8/31/95	15:14:59	7774.780	156.000	289.301	 	159.1
8/29/95	22:55:00	181.942	2.738	6.984	 	159.6
8/31/95	16:35:03	11685.7B0	151.524	396.446	 	160.
8/29/95	22:44:59	198.209	2.864	7.488	 	160.
8/31/95	2:54:58	186.773	3.442	6.823	1	160.
			158.868	307.159		160.9

e. Deer pro	ocessing plan	t in Midwest	U.S.	нсс	
	 	CH4	NH3	HCC (TNMHC)	
	 	Emission	Emission	Emission	WD
	 	Rate	Rate	Rate	Scala
Date	Time	(g/sec)	(g/sec)	(g/sec)	(Deg
8/29/95	23:15:00	199.999	2.606	7.261	161.
8/31/95	16:15:01	10254.693	149.951	363.226	161.
8/29/95	23:00:00	190.627	2.979	7.339	161.
8/30/95	18:29:51	198.886	1.558	0.000	162.
8/29/95	23:30:00	202.351	3.116	7.538	162.
9/1/95	0:04:56	196.003	2,613	7.113	162.
8/29/95	23:24:59	189.609	2.762	6.905	162.
8/30/95	19:49:51	181.867	3.695	0.000	162.
8/29/95	23:35:00	196.969			162.
8/31/95	23:54:55	182.098	2.918	7.327	163.
			2.528 2.763	6.687	
8/31/95	23:59:56	194.601		7.195	163.
8/29/95	23:19:59	206.135	2.736	7.439	163.
8/29/95	23:10:00	185,179	2.815	6.983	163.
8/29/95	23:59:59	203.425	3.177	7.650	163.
9/1/95	0:09:56	189.858	2.579	6.802	163.
8/31/95	14:10:00	9048.737	153.055	332.605	163.
8/29/95	23:04:59	186.874	2.975	7.075	163.
8/29/95	23:39:59	188.780	2.881	7.012	163.
8/29/95	23:50:00	187.765	3.036	6.923	163.
8/30/95	0:14:59	188.086	3.131	7.072	163.
8/30/95	18:49:52	193.710	1.893	5.973	164.
8/31/95	15:40:01	8881.450	161.253	324.924	164.
8/29/95	23:54:59	193.710	3.129	7.224	164.
8/29/95	23:45:00	197.236	3.019	7.277	164.
8/30/95	0:10:00	203.157	3.189	7.593	164.
8/30/95	0:05:00	192.383	3.034	7.331	164.
8/30/95	0:34:59	197.533	3.397	7.448	164.
8/30/95	21:39:54	199.636	2.481	6.990	165.
8/30/95	0:20:00	184.462	3.111	6.916	165.
9/1/95	0:14:57	198.244	2.862	7.258	166
8/30/95	20:14:52	197.692	4.165	6.843	166.
8/30/95	0:25:00	185.526	3.294	6.981	166.
8/30/95	0:29:59	183.222	3.220	6.858	166.
8/30/95	18:54:51	215.509	1.876	8.022	166.
9/1/95	0:19:57	228.737	3.303	8.373	167
8/31/95	14:24:59	9407.604	155.482	348.055	167
8/30/95	0:40:00	210.113	3.485	7.762	167
8/30/95	1:00:00	189.400	3.379	7.165	.167
8/30/95	0:55:01	191.891	3.302	7.212	167
8/30/95	0:45:00	201.327	3.385	7.499	167.
8/29/95	22:40:00	190.355	3.473	7.301	168.
8/30/95	0:50:01	201.252	3.599	7.593	169.
8/30/95	18:34:52	192.553	1.943	0.000	169.
8/31/95	10:19:55	8248.310	39.801	269.559	170.
9/1/95	0:34:56	194.661	3.066	7.229	170.
9/1/95	0:24:57	226.367	3.278	8.242	171.
8/29/95	22:34:59	198.585	3.721	7.617	171.
8/30/95	7:30:04	202.599	3.593	8.269	171.
9/1/95	0:29:56	202.531	3.147	7.473	172
8/30/95	20:19:53	198.068	4.731	7.404	172
8/30/95	20:09:52	195.154	4.630	7.080	172
8/30/95	4:30:01	198.905	3.563	7.975	173
9/1/95	0:39:57	218.205	3.253	8.105	173
8/30/95	20:29:52	186.022	4.484	6.740	174
					
8/30/95	20:04:51	189.933	4.363	0.000	174
8/30/95	1:05:00	199.104	3.406	7.403	174
8/30/95	7:25:03	202.282	3.600	8.089	174
8/30/95	7:20:03	186.245	3.357	7.555	174
8/30/95	1:15:01	192.256	3.455	7.229	171
8/30/95	1:10:01	200.390	3.471	7.440	17!
8/30/95	4:25:01	195.862	3.595	7.487	17!
9/1/95	0:54:56	225.149	3.189	8.446	175
9/1/95	0:59:57	218.107	3.183	8.271	175
8/29/95	22:24:59	206.774	4.111	7.761	175
8/30/95	7:45:03	184.265	3.449	0.000	175
8/30/95	4:20:00	196.191	3.608	7.827	175
8/30/95	7:35:04	199.818	3.457	8.249	175
8/30/95	7:15:04	194.586	3.388	7.808	175

	T -	it in Midwest		HCC		
		CH4	NH3	(TNMHC)	<u> </u>	
	 	Emission	Emission	Emission		WD
		Rate	Rate	Rate		Scala
Date	Time	(g/sec)	(g/sec).	(g/sec)		(Deg
8/30/95	7:10:04	198.269	3.409	7.788		176.2
8/30/95	1:20:00	199.152	3.858	7.581		176.2
8/30/95	7:40:03	197.246	3.544	8.228	<u> </u>	176.9
8/30/95	7:00:03	204.926	3.316	7.796		177.1
8/29/95	22:29:59	198.999	4.065	7.600	1	177.1
8/30/95	7:50:04	179.604	3.443	0.000		177.1
8/30/95	1:25:00	201.964	3.895	7.659		177.1
8/30/95	8:05:04	205.734	3.429	8.202		177.8
8/30/95	6:55:04	203.443	3.272	7.743		178
8/30/95	18:44:51	220.056	2.115	0.000		178.9
8/30/95	17:49:52	329.113	2.720	10.036		178.9
9/1/95	1:04:57	221.452	3.178	8.294		178.9
8/30/95	6:50:04	198.795	3.185	7.480		178.9
8/30/95	4:10:01	200.843	3.565	7.618		178.9
8/30/95	4:15:00	208.093	3.568	7.780	L	178.9
8/30/95	4:35:00	197.389	3.719	8.074		178.9
9/1/95	0:44:57	214.883	3.054	7.811		179.1
9/1/95	0:49:56	213.450	3.121	7.950	<u> </u>	179.1
8/30/95	6:30:05	210.875	3.306	8.009		179.1
8/30/95	6:40:04	215.318	3.368	8.179		179.1
8/30/95	6:25:04	204.805	3.367	7.945	<u> </u>	179.1
8/30/95	6:15:05	214.988	3.432	8.210		179.1
8/30/35	7:55:04	184.817	3.472	0.000	<u> </u>	179.1
8/30/95	4:05:01	200.995	3.639	7.743	ļ	179.1
8/30/95	4:00:00	205.957	3.703	7.950	└ ──	179.1
8/30/95	3:55:00	202.595	3.614	7.722	<u> </u>	179.1
8/30/95	1:30:01	205.335	3.817	7.768		179.1
8/30/95	1:35:00	202.142	3.927	7.719	<u> </u>	179.1
8/30/95	1:40:00	205.766	3.810	8.493	<u> </u>	179.1
8/30/95	4:40:00	193.585	3.734	7.413	<u> </u>	179.
9/1/95	2:09:59	214.769	2.620	7.788	 	179.
9/1/95	2:14:58	231.634	2.654	8.427	<u> </u>	179.0
9/1/95	1:09:57	196.421	2.897	7.309	├ ──-	179.
8/30/95	6:20:04	203.373	3.386	7.629	├ ──	179.1
8/30/95	1:45:01	203.827		7.640 7.771	 -	179.0
8/30/95 8/30/95	4:45:00	203.550 203.516	3.855 3.480	7.448	 _	179.1
8/30/95	3:35:01	199.030	3.627	7.528	}	180.9
9/1/95	2:19:58	221.093	2.598	7.942	 	181.
9/1/95	1:14:57	210.291	3.120	7.813	 	181.
8/30/95	6:45:04	192.393	3.083	7.151	├──	181.
8/30/95	6:35:04	211.169	3.367	8.076		181.
B/30/95	20:24:53	193.274	4.927	0.000	 	181.
8/30/95	8:00:04	204.081	3.587	7.729	 	181.
8/30/95	2:00:00	185.805	3.540	6.996	 	181.
8/30/95	3:50:01	202.495	3.634	7.639		181.
8/30/95	4:50:01	196.697	3.781	7.672	 	181.
8/29/95	22:19:58	192.896	3.745	7.534		181.
8/30/95	3:45:00	208.588	3.681	7.881		182
9/1/95	1:39:59	237.587	2.741	8.612		182.
9/1/95	2:04:59	221.545	2.625	7.978		182.
8/30/95	20:34:52	190.891	4.040	6.923		182.
8/30/95	2:05:01	209.352	3.594	7.560		182.
8/30/95	1:50:01	200.938	3.880	7.591		182.
8/30/95	2:10:00	191.423	3.440	7.022		182.
8/30/95	5:05:00	198.440	3.748	7.950		182.
8/30/95	6:10:04	207.544	3.542	7.986	<u> </u>	182.
8/30/95	3:40:00	206.795	3.806	7.891		182.
8/30/95	4:55:01	195.026	3.708	8.024		182.
8/30/95	18:04:52	265.807	2.741	0.000		183.
8/30/95	21:24:53	190.142	2.581	6.841		183.
8/30/95	8:15:05	207.850	3.249	8.102	<u> </u>	183.
8/30/95	8:10:05	196.867	3.215	7.413		183.
8/30/95	3:25:00	205.253	3.531	7.600		183.
8/30/95	1:55:00	209.799	3.971	7.920	<u> </u>	183.
9/1/95	1:49:58	219.468	2.737	7.980		184
9/1/95	1:59:59	208.319	2.591	7.769	<u> </u>	184
9/1/95	1:19:58	217.574	3.180	8.059	1	184

Date 8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	Time 2:50:00 19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	CH4 Emission Rate (g/sec) 197.198 214.818 190.159 191.423	NH3 Emission Rate (g/sec) 3.216 4.615 3.397	HCC (TNMHC) Emission Rate (g/sec) 6.998		WD Scalar (Deg)
8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 8/30/95	2:50:00 19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	Emission Rate (g/sec) 197.198 214.818 190.159 191.423	Emission Rate (g/sec) 3.216 4.615	Emission Rate (g/sec)		Scalar
8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	2:50:00 19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	Rate (g/sec) 197.198 214.818 190.159 191.423	(g/sec) 3.216 4.615	Rate (g/sec)		Scalar
8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	2:50:00 19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	(g/sec) 197.198 214.818 190.159 191.423	(g/sec) 3.216 4.615	(g/sec)		
8/30/95 8/30/95 8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	2:50:00 19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	197.198 214.818 190.159 191.423	3.216 4.615			(Deg)
8/30/95 8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	19:54:52 6:00:04 5:55:04 5:15:01 1:34:58	214,818 190,159 191,423	4.615	6.998		
8/30/95 8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	6:00:04 5:55:04 5:15:01 1:34:58	190.159 191.423				184
8/30/95 8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	5:55:04 5:15:01 1:34:58	191.423	3 397	7.756		184
8/30/95 9/1/95 8/30/95 8/30/95 8/30/95	5:15:01 1:34:58		J. J. /	7.289		184
9/1/95 8/30/95 8/30/95 8/30/95	5:15:01 1:34:58		3.631	7.488		184
8/30/95 8/30/95 8/30/95	1:34:58	204,301	3.756	8.162		184
8/30/95 8/30/95 8/30/95		226.412	2.800	8.272		184.1
8/30/95 8/30/95	3:20:00	194.963	3.353	7.229		134.1
8/30/95	6:05:03	190.752	3.435	7.563		184.1
	5:10:01	188.320	3.586	7.562		184.1
430,30	12:55:37	254.608	3.583	9.076		184.9
8/30/95						
7.7.	2:25:01	193.036	3.469	7.089	-	184.9
8/30/95	3:15:01	197.939	3.356	7.308		184.9
8/30/95	5:20:01	200.391	3.821	7.613		184.9
8/30/95	5:00:00	200.006	3.668	8.036		184.9
8/30/95	17:54:51	208.226	2.454	6.440		185.2
9/1/95	1:44:59	220.034	2.642	8.048	<u> </u>	185.2
9/1/95	1:54:58	228.745	2.701	8.384		185.2
9/1/95	1:24:58	206.510	2.959	7.534		185.2
8/30/95	8:40:05	197.550	3.056	7.283		185.2
8/30/95	2:15:00	200.653	3.590	7.328		185.2
8/30/95	5:50:03	194,375	3.674	7.304		185.2
8/30/95	5:45:03	187.114	3.554	7.113		185.2
8/30/95	8:25:04	211.930	3.135	7.551		185.9
8/30/95	8:35:05	208.087	3,089	7.371		185.9
8/30/95	2:55:01	215.347	3.260	7.628		185.9
8/30/95	2:20:01	199,572	3.539	7.327		185.9
8/30/95	3:05:00		3.465	7.423		
		200.940				185.9
8/30/95	3:10:00	200.488	3.390	7.248		185.9
8/30/95	8:45:04	200.156	3.124	7.435		186.1
9/1/95	2:24:59	214,555	2.456	7.765		186.8
8/30/95	5:30:02	194.416	3.653	7.344		186.8
8/30/95	17:59:51	236.549	2.334	7.307		187.2
9/1/95	1:29:58	212,103	2.873	7.596		187.2
8/30/95	2:45:00	198.979	3.144	6.926		187.2
8/30/95	2:40:01	208.147	3.361	7.378		187.2
8/30/95	2:30:00	197.584	3.561	7.273		187.2
8/30/95	2:35:01	202,260	3.430	7.294		187.2
8/30/95	3:00:01	207.771	3.185	7.345		187.2
8/30/95	5:40:03	209.373	3.715	7.933		187.2
8/30/95	5:25:02	196.858	3.651	7.387		187.2
8/30/95	8:50:04	197.399	3.191	7.184		187.9
8/30/95	5:35:02	195.080	3.525	7.247		188.1
8/30/95	12:20:35	256.064	4.263	9.120		188.8
8/30/95	19:59:51	200,089	3.944	7.279	-	188.8
8/30/95	8:30:05	213.588	3.069	7.623		188.8
8/29/95	22:14:58	200.948		7.520	<u> </u>	_
			3.541			188.8
8/30/95	9:00:05	198.971	3.209	7.190		189.2
8/30/95	17:44:52	285.169	2.307	8.764		190.1
8/30/95	13:50:37	254.531	4.393	9.195	<u> </u>	190.1
8/30/95	12:25:35	256.801	3.787	9.220	 	190.1
8/30/95	8:55:05	188.103	3.105	6.819		190.1
8/30/95	9:05:05	191.263	3.084	6.968		190.1
8/30/95	12:15:34	195.377	3.274	7.838		190.8
8/30/95	20:44:52	224.073	3.144	7.947		191.2
8/30/95	20:39:53	216.559	3.619	6.918		191.2
8/30/95	9:20:06	208.369	3.479	7.794		191.2
8/30/95	9:10:05	215.747	3.409	7.777		191.2
9/1/95	3:34:59	7593.589	92.585	268.064		191.9
8/30/95	9:25:05	218.613	3.336	7.992	 	191.9
8/30/95	13:00:37	279.260	4.209	9.898	-	193
8/30/95	9:50:05	215.863	3.451	7.849	 	193
				. 	 	
8/30/95	9:15:06	209.531	3.350	7.743	 	193
8/30/95	12:30:35	283.410	3.651	10.005		193.1
8/30/95	11:45:34	224.369	3.674	8.150	<u> </u>	193.9
9/1/95	2:29:59	240.078	2.832	8.589		194.2
8/30/95 8/30/95	9:45:05	220.355 204.678	3.565 3.203	7.944 7.581		194.2 194.9

e: Chicken pro	ocessing plant in S	E U.S.							
							DICLM		
			1				(Methylene	CL3F	
		CO2	CH4	N2O	CO	H2S	Chloride)	(Chloroform)	
		emission	emission	emission	emission	emission	emission	emission	WD
		rate	rate	rate	rate	rate	rate	rate	Scala
Date	Time	(g/sec)	(g/sec)	(g/sec)	(g/sec)	(g/sec)	(g/sec)	(g/sec)	(deg
09/06/95	16:59:35	-23.066	13.314	0.033	0.127	9.292	0.000	-0.002	61.9
09/06/95	18:39:36	-47.662	11.563	0.060	0.176	16.145	0.000	-0.003	61.9
09/06/95	17:39:36	17.513	10.761	0.034	0.147	13.246	0.000	-0.002	63
09/06/95	18:34:35	-41.864	16.358	0.057	0.174	14.620	0.000	-0.003	63
09/06/95	10:10:01	19126.935	439.489	3.69l	3.610	1474.937	21.169	11.319	65
09/06/95	13:05:03	38523.929	440.977	5.227	15.140	2595.051	17.680	10.798	65
09/06/95	13:45:04	3034.681	52.358	0.589	1.087	285.510	0.000	-0.042	67.9
09/06/95	14:05:03	5306.546	54.378	1.292	2.601	706.794	0.000	-0.093	67.9
09/06/95	11:25:00	23310.542	200.137	3.888	7.198	1556.634	26.340	11.506	68.1
09/06/95	09:25:00	26341.930	227.559	6.619	28.371	1209.753	24.788	14.050	69
09/06/95	11:10:00	23092.912	384.216	5.029	6.495	1707.631	24.517	11.703	69
09/06/95	17:54:36	26.310	14.871	0.042	0.151	12.630	0.000	-0.002	69
09/06/95	08:10:00	25734.952	898.366	9.485	26.732	0.000	23.978	15.558	70
09/06/95	10:05:01	20510.123	262.933	5.903	10.771	1511.057	22.029	11.574	70.9
09/06/95	10:45:01	20362.887	293.408	4.633	5.983	1453.229	24.508	11.390	70.9
09/06/95	14:45:02	8633.525	177.972	2.425	9.156	1326.259	0.000	-0.175	70.9
09/06/95	18:24:36	-35.307	17.756	0.052	0.166	13.742	0.000	-0.003	70.9
09/06/95	09:55:02	21529.301	550.451	5.976	13.972	1409.231	21.712	11.827	71.8
09/06/95	11:50:00	25402.278	283.961	4.083	7.375	1794.392	25.060	11.386	72
09/06/95	16:54:36	-31.243	13.676	0.024	0.133	10.540	0.000	-0.002	74.9
09/06/95	18:04:35	-25.861	14.219	0.044	0.159	13.272	0.000	-0.003	74.9
09/06/95	18:19:35	-33.035	18.182	0.051	0.162	13.340	0.000	-0.003	74.9
09/06/95	15:45:03	1311.650	73.577	0.756	2.579	444.566	0.000	-0.050	75.1
09/06/95	10:35:02	19852.704	172.839	4.781	7.225	1400.138	24.141	11.504	76
09/06/95	15:05:02	2636.488	31.438	0.517	2.178	158.434	0.000	-0.039	76
09/06/95	15:40:02	1639.289	60.114	0.584	2.147,	332.697	0.000	-0.039	76
09/06/95	15:50:03	2671.425	50.167	0.702	3.135	400.369	0.000	-0.049	76
09/06/95	11:30:00	23162.887	325.885	4.057	6.339	1558.758	24.874	11.162	77.1
09/06/95	14:10:02	3486.701	47.128	0.642	1.306	333.307	0.000	-0.049	77.1
09/06/95	14:30:02	2216.106	35.469	0.412	1.370	198.999	0.000	-0.032	77.1
09/06/95	14:40:03	1165.901	45.447	0.327	1.057	174.202	0.000	-0.024	77.1
09/06/95	13:15:02	39508.481	824.910	5.947	11.230	2268.492	0.000	8.783	78
09/06/95	14:25:04	1680.089	22.620	0.305	0.824	97.448	0.000	-0.023	78.9
09/06/95	16:15:02	1783.528	49.041	0.477	2.223	260.177	0.000	-0.034	78.9
09/06/95	17:04:36	-12.532	14.397	0.027	0.134	10.664	0.000	-0.002	78.9
09/06/95	13:20:02	40642.284	312.142	5.026	11.453	2798.859	0.000	8.498	79
09/06/95	16:05:02	1021.022	25.467	0.248	1.190	122.309	0.000	-0.018	80.1
09/06/95	18:14:36	-36.107	14.894	0.046	0.162	13.773	0.000	-0.003	80.1

Site: Chicken processing plant in SE U.S.

No detectable emissions were found at the POTW for the Small Town in the Southwest U.S.

		H <u>2</u> S	
		Emission	WD
		Rate	Scalar
Date	Time	(q/sec)	(Deq)
08/02/95	21:16:34	0.000	150.1
08/03/95	04:11:46	0.000	150.1
08/03/95	00:16:36	0.000	150.8
08/02/95	21:36:33	0.000	151
08/03/95	04:06:45	0.000	151
08/03/95	12:56:34	0.000	151
08/02/95	16:00:43	0.000	151.9
08/02/95	21:11:34	0.000	151.9
08/01/95	19:59:46	0.000	152.8
08/02/95	15:55:43	0.000	152.8
08/02/95	16:05:44	0.000	153.2
08/02/95	22:26:34	0.000	153.2
08/03/95	12:36:34 14:45:42	0.000	153.9 154.1
08/02/95			
08/03/95 08/03/95	01:46:39 02:21:40	0.000	154.1 154.1
08/03/95	07:51:53	0.000	154.1
08/03/95	14:51:37	13.919	154.1
08/03/35	15:45:44	0.000	154.8
08/02/95	15:00:42	0.000	155.2
08/02/95	22:21:35	0.000	155.2
08/03/95	00:21:35	0.000	155.2
08/03/95	04:01:45	0.000	155.9
08/03/95	07:41:52	0.000	155.9
08/02/95	14:40:42	0.000	156,1
08/02/95	22:01:35	0.000	156.1
08/03/95	03:31:45	0.000	156.1
08/04/95	02:09:24	0.000	156.1
08/02/95	12:49:41	0.000	157
08/02/95	16:10:44	0.000	157.1
08/03/95	12:41:35	0.000	157.1
08/02/95	12:59:41	0.000	157.9
08/04/95	02:19:25	0.000	158
08/03/95	15:26:36	566.117	159.1
08/02/95	13:30:15	0.000	159.8
08/02/95	15:50:46	0.000	160.2
08/02/95	12:54:41	0.000	161.8
08/02/95	14:50:44	0.000	162.2
08/04/95	02:14:24	0.000	162.2
08/02/95	15:25:43	0.000	163.1
08/02/95 08/03/95	22:16:35 00:41:36	0.000	163.1 163.1
08/03/95	11:39:39	0.000	163.8
08/02/95	14:35:41	0.000	164.2
08/03/95	07:56:53	0.000	164.2
08/04/95	02:24:24	0.000	164.2
08/03/95	02:24:24	0.000	165.1
08/03/95	02:31:41	0.000	165.1
08/03/95	12:51:34	0.000	166
08/02/95	11:59:39	0.000	167
08/02/95	12:44:40	0.000	167
08/02/95	13:55:16	0.000	167
08/02/95	14:20:16	0.000	167

Site: POTW	in verv sma	ll town in S	W U.S.
	<u>v</u> g., <u>u</u>		
		H2S	
		Emission	αW
		Rate	Scalar
Date	Time	(g/sec)	(Deg)
08/02/95	14:55:42	0.000	167
08/03/95	00:31:36	0.000	167
08/03/95	00:36:36	0.000	167
08/02/95	22:11:34	0.000	167.9
08/03/95	00:26:35	0.000	167.9
08/03/95	05;41:50	0,000	167.9
08/03/95	11:51:33	0.000	168.1
08/03/95	11:56:34	0.000	168.1
08/02/95	13:45:15	0.000	169.2
08/02/95	15:40:43	0.000	169.2
08/02/95	15:30:43	0.000	169.9
08/02/95	22:06:34	0.000	170.1
08/03/95	13:16:34	0.000	170.1
08/02/95	11:44:40	0.000	170.8
08/02/95	15:05:43	0.000	170.8
08/03/95	05:21:49	0.000	170.8
08/02/95	14:00:16	0.000	171.2
08/03/95	13:11:34	0.000	171.2
08/03/95	03:56:46	0.000	171.9
08/02/95	12:04:39	0.000	172.1
08/02/95	15:15:42	0.000	172.1
08/02/95	13:50:15	0,000	172.8
08/02/95	13:20:16	0.000	173.2
08/03/95	04:46:48	0.000	175.1
08/03/95	13:06:35	0.000	175.1
08/03/95	13:36:35 13:46:35	0.000 0.000	175.1
08/03/95 08/02/95	13:40:16	0.000	175.1 176
08/02/95	15:10:43	0.000	176
08/02/95	10:54:38	0.000	176.2
08/02/95	13:25:16	0.000	176.2
08/02/95	15:20:42	0.000	176.2
08/02/95	12:29:39	0.000	176.9
08/04/95	02:29:24	0.000	176.9
08/02/95	15:35:43	0.000	177.1
08/02/95	10:59:39	0.000	178.9
08/02/95	11:29:38	0.000	178.9
08/02/95	12:14:40	0,000	178.9
08/02/95	11:14:38	0,000	179.1
08/02/95	12:09:39	0.000	179.1
08/03/95	03:41:45	0,000	179.1
08/03/95	03:51:46	0.000	179.1
08/03/95	12:46:35	0.000	179.1
08/02/95	13:35:15	0.000	179.8
08/03/95	14:16:37	90.265	179.8
08/02/95	11:24:39	0,000	180,2
08/03/95	05:01:49	0.000	180.9
08/03/95	09:36:52	0.000	180.9
08/03/95	09:41:52	0.000	180.9
08/02/95	11:34:38	0.000	182.9
08/02/95	14:05:18	0.000	184
08/02/95	14:15:15	0.000	184
08/02/95	12:39:40	0.000	185.2

Site: POTW	in very sma	ll town in S	W U.S.
		H2S	
		Emission	WD
		Rate	Scalar
Date	Time	(g/sec)	(Dea)
08/02/95	12:24:39	0.000	186.1
08/02/95	11:19:39	0.000	186.8
08/02/95	12:34:40	0.000	186.8
08/02/95	14:10:19	0.000	186.8
08/02/95	13:04:42	0.000	187.2
_08/02/95	11:04:39	0.000	187.9
08/02/95	12:19:40	0.000	188.1
08/03/95	03:36:45	0.000	188.1
08/04/95	02:34:25	0.000	188.1
08/03/95	11:41:33	0.000	188.8
08/03/95	13:01:35	0.000	188.8
08/03/95	04:41:48	0.000	189.9
08/03/95	14:01:35	11.453	189.9
08/02/95	13:09:41	0.000	190.1
08/03/95	02:06:41	0.000	190.1
08/03/95	12:21:34	0.000	190.8
08/03/95	05:16:49	0.000	191.2
08/03/95	08:36:53	0.000	191.2
08/03/95	08:46:52	0.000	192.2
08/03/95	13:26:34	0.000	192.2
08/03/95	04:31:47	0.000	193.9
_08/03/95	08:31:52	0.000	195.1
08/03/95	03:46:45	0.000	195.8
08/02/95	11:09:38	0.000	196.2
08/03/95	11:16:32	0.000	196.2
08/03/95	13:31:34	0.000	196.2
08/03/95	04:51:48	0.000	197.1
08/03/95	_09:26:51	0.000	197.1
08/03/95	08:56:52	0.000	198.2
08/03/95	09:21:55	0.000	198.2
08/03/95	13:51:36	0.000	198.2
08/04/95	02:44:24	0,000	198.9
08/03/95	04:56:49	0.000	199.8
08/03/95	09:31:52	0.000	199.8
08/04/95	03:44:24	0.000	202
08/03/95	12:31:34	0.000	203.2
08/03/95	05:06:48	0.000	203.9
08/03/95	08:41:51	0.000	204.1
08/03/95	12:11:34	0.000	204.1
08/03/95	13:21:35	0.000	204.1
08/03/95	11:31:33	0.000	205.2
08/03/95	09:16:52	0.000	205.9
08/03/95	08:51:53	0.000	206.1
08/04/95	04:44:24	0.000	206.1
08/03/95	09:01:52	0.000	207.9
08/03/95	09:11:52	0.000	208.1
08/03/95	02:16:41	0.000	209.2
08/03/95	14:26:36	9.304	209.9

APPENDIX F

COMPLETE RESULTS OF WASTEWATER ANALYSES PERFORMED BY RADIAN

- F1 Beef Processing Plant in Southwest U.S.
- F2 Beef Processing Plant in Midwest U.S.
- F3 Chicken Processing Plant in Southeast U.S.
- F4 POTW for Small Town in Southwest U.S.
- F5 POTW for Very Small Town in Southwest U.S.

Note: Data are given by field site. Results are shown both by sample ID and sorted by sampling location.

Project: EPA Greenhouse Gas

Site: Beef Processing Plant in Southwestern U.S.

Sample	Date	Field pH	DO mg O2/L	Temp deg C	TSS mg/L	BOD mg O2/L	COD mg/L	TOC mg/L	TKN mg/L	NH3-N	NO3-N	Lab pH
Identification	Sampled	pri	IMEODE	ueg C	myr	IIIKODL	IIIME	myr	myL	mg/L	mg/L	
A 025 Tannery	8/21/95	12.3	0.0	29.2	1,395	11,880	28,810	3,985	950	960	< 30	12.56
A 026 Influent	8/21/95	8.6	0.0	33.6	17,140	4,470	4,570	355	170	53	0.093	7.44
A 027 Effluent	8/21/95	8.9	0.1	29.5	330	220	920	25	820	200	0.166	7.63
A 028 Tannery	8/22/95	12.3	0.0	30.7	2,350	4,575	5,810	580	670	405	5.43	12.50
A 029 Influent	8/22/95	8.9	0.0	31.7	1,280	4,260	4,665	300	155	27	0.035	7.09
A 030 Effluent	8/22/95	9.1	0.0	29.5	365	350	635	19	225	200	0.126	7.62
A 031 Tannery	8/22/95	12.2	0.0	30.2	2,100	4,545	5,715	710	640	400	5.77	12.56
A 032 Influent	8/22/95	8.3	0.0	37.1	1,800	2,820	4,190	365	180	41	0.094	7.21
A 033 Tannery	8/23/95	13.0	0.0	28.6	9,400	8,960	20,950	3,240	2,990	405	3.14	12.56
A 034 Influent	8/23/95	8.8	8	32.9	1,190	2,410	3,430	240	135	27	0.035	7.14
A 035 Effluent	8/23/95	9.2	0.7	29.2	390	315	570	22	240	200	0.051	7.99
A 039 Tannery	8/23/95	11.4	0.0	31.7	3,940	5,220	31,905	1,400	1,025	465	3.18	12.48
A 040 Influent	8/23/95	8.6	4.6	37.2	1,430	3,880	4,285	335	170	43	0.045	7.12
A 047 Effluent	8/24/95	7.6	0.0	30.3	430	370	605	22	235	185	0.044	7.51
A 048 Tannery	8/24/95	11.5	0.0	31.0	850	2,050	3,335	315	485	22	1.65	11.48
A 049 Influent	8/24/95	7.1	0.0	35.0	1,795	- 2,940	5,240	34 0	·160	37	0.042	6.73
A 050 Tannery	8/24/95	9.1	0.0	26.3	1,300	1,820	2,240	415	240	300	2.03	8.86
A 051 Influent	8/24/95	6.7	0.5	31.3	1,233	3,180	4,145	310	145	49	0.044	6.65

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Sample	Date	Field	DO	Temp	TSS	BOD	COD	TOC	TKN	инз-и	NO3-N	Lab
Identification _	Sampled	рН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH
A 026 Influent	8/21/95	8.6	0.0	33.6	17,140	4,470	4,570	355	170	53	0.093	7.44
A 029 Influent	8/22/95	8.9	0.0	31.7	1,280	4,260	4,665	300	155	27	0.035	7.09
A 032 Influent	8/22/95	8.3	0.0	37.1	1,800	2,820	4,190	365	180	41	0.094	7.21
A 034 Influent	8/23/95	8.8	8	32.9	1,190	2,410	3,430	240	135	27	0.035	7.14
A 040 Influent	8/23/95	8.6	4.6	37.2	1,430	3,880	4,285	335	170	43	0.045	7.12
A 049 Influent	8/24/95	7.1	0.0	35.0	1,795	2.940	5,240	340	160	37	0.042	6.73
A 051 Influent	8/24/95	6.7	0.5	31.3	1,233	3,180	4,145	310	145	49	0.044	6.65
n		7	7	7	. 7	7	7	7	7	7	7	7
Avg.		8.14	1.87	34.11	3,695	3,423	4,361	320.7	159.3	39.57	0.055	7.05
Std. Dev.		0.88	3.19	2.41	5,934	784	556	42.4	15.7	10.05	0.026	0.28
Min		6.7	0	31.3	1,190	2,410	3,430	240	135	27	0.035	6.65
Max		8.9	8	37.2	17,140	4,470	5,240	365	180	53	0.094	7.44
						11.000		2.005		252	-20	
A 025 Tannery	8/21/95 8/22/95	12.3 12.3	0.0 0.0	29.2 30.7	1,395 2,350	11,880 4,575	28,810 5,810	3,985 580	950 · 670	960 405	<30	12.56
A 028 Tannery A 031 Tannery	8/22/95	12.3	0.0	30.7	2,330	4,575	5,715	710	640	400	5.43 5.77	12.50 12.50
A 033 Tannery	8/23/95	13.0	0.0	28.6	9,400	8,960	20,950	3,240	2,990	405	3.14	12.56
A 039 Tannery	8/23/95	11.4	0.0	31.7	3,940	5,220	31,905	1,400	1,025	465	3.14	12.4
A 048 Tannery	8/24/95	11.5	0.0	31.0	850	2,050	3,335	315	485	22	1.65	11.40
A 050 Tannery	8/24/95	9.1	0.0	26.3	1,300	1,820	2,240	415	240	300	2.03	8.86
N USU TAMBATY	0/44/73	7.1	V. 0	20.5		1,020	-,270	415	210	300	2.03	0.00
n		7 .	7	7	7	7	7	7	7	7	. 7	7
Avg.		11.69	0.00	29.67	3,048	5,579	14,109	1,521	1,000	422.4	3.03	11.86
Std. Dev.		1.26	0.00	1.82	2,976	3,650	12,753	1,487	917	279.1	2.06	1.38
Min		9.1	0	26.3	850	1,820	2,240	315	240	22	0	8.86
Max		13	0	31.7	9,400	11,880	31,905	3,985	2,990	960	5.77	12.56
A 027 Effluent	8/21/95	8.9	0.1	29.5	330	220	920	25	820	200	0.166	7.63
A 030 Effluent	8/22/95	9.1	0.0	29.5	365	350	635	19	225	200	0.126	7.62
A 035 Effluent	8/23/95	9.2	0.7	29.2	390	315	570	22	240	200	0.051	7.99
A 047 Effluent	8/24/95	7.6	0.0	30.3	430	370	605	22	235	185	0.044	7.51
n		4	4	4	4	4	4	4	4	4	4	4
Avg.		8.7	0.2	29.625	378.8	313.8	682.5	22.00	380	196.25	0.097	7.688
Std. Dev.		0.744	0.337	0.4717	42.1	66.5	160.5	2.45	293	7.50	0.059	0.209
Min		7.6	. 0	29.2	330	220	570	19	225	185	0.044	7.51
Max	•	9.2	0.7	30.3	430	370	920	25	820	200	0.166	7.99

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Project: EPA Greenhouse Gas

Site: Beef Processing Plant in Midwestern U.S.

Sample	Date	Field	DO OCC	Temp	TSS	BOD	COD	TOC	TKN	NH3-N	NO3-N	Lab
Identification	Sampled	pH	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH_
A 053 Influent	8/28/95	6.8	0.7	33.3	1,930	2,430	5,620	320	175	43	0.092	6.08
A 054 Effluent	8/28/95	7.2	0.1	29.1	625	280	990	46	250	220	0.043	7.23
A 055 Influent	8/28/95	6.9	0.6	33.4	1,590	2,600	5,720	310	180	43	0.090	6.32
A 056 Effluent	8/29/95	7.0	0.4	26.8	460	275	830	59	235	210	0.047	7.09
A 057 Influent	8/29/95	7.1	0.3	28.6	2,190	3,340	4,990	390	205	33	0.069	6.53
A 058 Influent	8/29/95	6.9	0	33.1	950	1,820	3,120	195	115	24	0.051	6.35
A 061 Influent	8/30/95	6.7	0.6	28.6	1,475	3,020	4,470	400	200	75	0.093	7.03
A 062 Influent	8/30/95	6.8	0.5	28.4	1,470	2,920	4,580	425	195	75	0.092	6.43
A 063 Effluent	8/30/95	7.1	0.4	26.0	405	305	830	57	250	205	0.050	7.15
A 069 Influent	8/31/95	6.7	0.1	29.6	910	1,530	3,020	230	125	41 -	0.054	6.27
A 070 Influent	8/31/95	6.7	0.2	29.5	890	1,610	2,910	225	120	43	0.072	6.42
A 071 Effluent	8/31/95	. 7.0	0.4	26.8	840	310	1,040	75	245	220	0.041	7.25

Sample	Date	Field*	DO	Temp	TSS	BOD	COD	TOC	TKN	NH3-N	NO3-N	Lab
Identification	Sampled	pН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	рĦ
A 053 Influent	8/28/95	6.8	0.7	33.3	1,930	2,430	5,620	320	175	43	0.092	6.08
A 055 Influent	8/28/95	6.9	0.6	33.4	1,590	2,600	5,720	310	180	43	0.092	6.32
A 057 Influent	8/29/95	7.1	0.3	28.6	2,190	3,340	4,990	390	205	43 33	0.069	6.53
A 058 Influent	8/29/95	6.9	0.3	33.1	950	1,820	3,120	195	115	24	0.051	6.35
· ·	8/30/95	6.7	· -			•	•				0.093	
A 061 Influent			0.6	28.6	1,475	3,020	4,470	400	200	75		7.03
4 062 Influent	8/30/95	6.8	0.5	28.4	1,470	2,920	4,580	425	195	75	0.092	6.43
A 069 Influent	8/31/95	6.7	0.1	29.6	910	1,530	3,020	230	125	41	0.054	6.27
A 070 Influent	8/31/95	6.7	0.2	29.5	890	1,610	2,910	225	120	43	0.072	6.42
n		8	8	8	8	8	8	8	8	8	8	8
Avg.		6.825	0.375	30.56	1,426	2,409	4,304	311.88	164.38	47.13	0.0766	6.43
Std. Dev.		0.139	0.260	2.28	485	686	1,153	88.36	38.12	18.43	0.0176	0.277
Min.		6.7	O [*]	28.4	890	1,530	2,910	195	115	24	0.051	6.08
Max		7.1	0.7	33.4	2,190	3,340	5,720	425	205	75	0.093	7.03
A 054 Effluent	8/28/95	7.2	0.1	29.1	625	280	990	46	250	220	0.043	7.23
4 056 Effluent	8/29/95	7.2	0.1	26.8	460	275	830	59	235	210	0.047	7.09
A 063 Effluent	8/30/95	7.1	0.4	26.0	405	305	830	57	250	205	0.050	7.05
A 071 Effluent	8/31/95	7.0	0.4	26.8	840	310	1040	75	245	220	0.041	7.25
4011 Efficien	0/31/73	7.0	7.7	20.0	010	310	1010	r er	415		0.012	7.25
n		4	4	4	4	4	4	4	4	4	. 4	4
Avg.		7.08	0.33	27.18	582.5	292.5	922.5	59.25	245	213.8	0.0453	7.16
Std. Dev.		0.096	0.15	1.34	195.5	17.6	108.7	11.95	7.07	7.5	0.0040	0.100
Min.		7.0	0.1	26.0	405	275	830 '	46	235	205	0.041	7.05
Max		7.2	0.4	29.1	840	310	1040	73	250	220	0.05	7.25

Project: EPA Greenhouse Gas

Site: Chicken Processing Plant in Southeastern U.S.

Sample Identification	Date Sampled	Field pH	DO mg O2/L	Temp deg C	TSS mg/L	BOD mg O2/L	COD mg/L	TOC mg/L	TKN mg/L	NH3-N mg/L	NO3-N mg/L	Lab pH
100///III/OUT						1 1119 02 2		1 1192	1	<u></u>	<u> </u>	P::
A 077 Effluent	9/5/95	6.1	1.5	23.8	60	60	160	16	85	82	0.028	6.33
A 078 Influent	9/5/95	6.8	4.9	23.5	660	1,340	i,890	160	140	5	1.40	6.32
A 079 Influent	9/5/96	6.8	. 5.6	25.0	905	1,420	3,970	180	105	6	1.37	6.14
A 080 Influent	9/6/95	-	4.3	25.2	750	1,240	2,270	175	95	7	1.29	6.44
A 081 Effluent	9/6/95	-	0.9	25.2	75	75.	190	29	65	75	0.038	6.32
A 084 Influent	9/6/95	-	4	24.7	830	1,410	2,460	210	135	8	1.12	6.11
A 085 Effluent	9/7/95	-	0.2	24.6	165	85	250	34	80	88	0.024	6.32
A 086 Sludge	9/7/95	-	0	23.8	43,500	4,350	8,505	120	565	88	0.478	7.14
A 089 Influent	9/7/95	-	5.7	24.1	1,030	1,600	2,175	220	115	11	3.80	6.51
A 090 Influent	9/7/95	_	5.2	26.2	1,100	1,410	1,795	395	110	7	1.59	6.67

Sample	Date	Field	DO	Temp	TSS	BOD	COD	TOC	TKN	NH3-N	NO3-N	Lab
Identification	Sampled	pН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	pН
											_	
A 078 Influent	9/5/95	6.8	4.9	23.5	660	1,340	1,890	160	140	5	1.40	6.32
A 079 Influent	9/5/96	6.8	5.6	25.0	905	1,420	3,970	180	105	6	1.37	6.14
A 080 Influent	9/6/95	_	4.3	25.2	750	1,240	2,270	175	95	7	1.29	6.44
A 084 Influent	9/6/95	-	4	24.7	830	1,410	2,460	210	135	8	1.12	6.11
A 089 Influent	9/7/95	_	5.7	24.1	1,030	1,600	2,175	220	115	11	3.80	6.51
A 090 Influent	9/7/95	••	5.2	26.2	1,100	1,410	1,795	395	110	7	1.59	6.67
n		2	6	6	6	6	6	6	6	6	6	6
Ave		6.80	4.95	24.78	879.17	1403.33	2426.67	223.33	116.67	7.33	1.76	6.37
Std. Dev.		0.00	0.69	0.93	166.93	118.10	794.72	87.04	17.51	2.07	1.01	0.22
Min.		6.8	4	23.5	660	1,240	1,795	160	95	5	1.12	6.11
Max.		6.8	5.7	26.2	1,100	1,600	3,970	395	140	11	3.8	6.67
A 077 Effluent	9/5/95	6.1	1.5	23.8	60	60	160	16	85	82	0.028	6.33
A 081 Effluent	9/6/95	-	0.9	25.2	75	75	190	29	65	75	0.038	6.32
A 085 Effluent	9/7/95	-	0.2	24.6	165	85	250	34	80	88	0.024	6.32
n		ı	3	3	,3	3	3	3	3	3	3	3
Avg.		6.10	0.87	24.53	100.00	73.33	200.00	26.33	76.67	81.67	0.03	6.32
Std. Dev.		n/a	0.65	0.70	56.79	12.58	45.83	9.29	10.41	6.51	0.01	0.01
Min.		n/a	0.2	23.8	60	60	160	16	65	75	0.024	6.32
Max.		n/a	1.5	25.2	165	85	250	34	85	88	0.038	6.33

A 086 Sludge	9/7/95		0	23.8	43,500	4,350	8,505	120	565	88	0.478	7.14

Project: EPA Greenhouse Gas

Site: POTW for Small Town in Southwestern U.S.

Sample	Date	Field	DO	Temp	TSS	BOD	COD	TOC	TKN	NH3-N	NO3-N	Lab
Identification	Sampled	pН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	pli
A 091 Influent	10/04/95	7.1	1.1	23.5	325	235	170	42	39.4	25.7	<0.015	6.97
A 092 Effluent	10/04/95	7.6	4.8	20.8	75	83	95	27	17.1	2.6	0.069	7.99
A 093 Influent	10/04/95	7.0	0.3	25.5	250	190	245	44	33.0	21.0	0.028	6.98
A 094 Effluent	10/04/95	8.0	4.0	22.5	65	65	75	26	19.0	0.90	0.078	8.05
A 097 Influent	10/04/95	6.9	0.9	26.9	155	205	205	58	36.4	18.9	0.072	6.98
A 098 Effluent	10/04/95	8.3	11.5	26.2	95	7 9	130	25	18.8	0.50	0.069	8.52
A 101 Influent	10/05/95	7.2	0.6	23.8	120	90	130	37	30.2	18.4	<0.015	6.99
A 102 Effluent	10/05/95	8.2	3.4	20.3	70	125	130	18	18.4	2.3	0.082	7.85
A 103 Influent	10/05/95	7.5	0.4	25.0	195	135	140	57	27.2	18.7	0.031	7.01
A 107 Influent	10/06/95	6.9	0.2	22.3	60	68	32	64	23.8	13.8	0.025	7.09
A 108 Effluent	10/06/95	8.4	5.2	18.4	95	135	140	33	16.8	0.90	0.587	8.29
A 109 Final Effluent	10/06/95	8.4	4.9	17.7	60	36	85	19	12.0	0.20	0.022	8.67
A 110 Influent	10/06/95	7.5	0.6	24.8	175	220	120	69	31.6	21.0	0.029	7.12

Sample	Date	Field	DO	Temp	TSS	BOD	COD	тос	TKN	NH3-N	NO3-N	Lat
Identification	Sampled	pН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	рH
A 091 Influent	10/04/95	7.1	1.1	23.5	325	235	170	42	39.4	25.7	0.015	6.9
A 093 Influent	10/04/95	7.0	0.3	25.5	250	190	245	44	33.0	21.0	0.028	6.9
A 097 Influent	10/04/95	6.9	0.9	26.9	155	205	205	58	36.4	18.9	0.072	6.9
A 101 Influent	10/05/95	7.2	0.6	23.8	120	90	130	37	30.2	18.4	0.015	6.9
A 103 Influent	10/05/95	7.5	0.4	25.0	195	135	140	57	27.2	18.7	0.031	7.0
A 107 Influent	10/06/95	6.9	0.2	22.3	60	68	32	64	23.8	13.8	0.025	7.0
A I 10 Influent	10/06/95	7.5	0.6	24.8	175	220	120	69	31.6	21.0	0.029	7.1
n		7	7	7	7	7	. 1	7	7	7	7	7
Avg.		7.16	0.59	24.54	183	163	149	53	31.66	19.64	0.0307	7.0
Sted. Dev.		0.26	0.32	1.50	86.4	65.9	68.0	12.1	5.29	3.59	0.0193	0.0
Min.		6.9	0.2	22.3	60	68	32	37	23.8	13.8	0.015	6.9
Max.	,	7.5	1.1	26.9	325	235	245	69	39.4	25.7	0.072	7.1
	•											
A 092 Effluent	10/04/95	7.6	4.8	20.8	75	83	95	27	17.1	2.6	0.069	7.9
A 094 Effluent	10/04/95	8.0	4.0	22.5	65	65	75	26	19.0	0.90	0.078	8.0
A 098 Effluent	10/04/95	8.3	11.5	26.2	95	79	130	25	18.8	0.50	0.069	8.5
A 102 Effluent	10/05/95	8.2	3.4	20.3	70	125	130	18	18.4	2.3	0.082	7.8
A 108 Effluent	10/06/95	8.4	5.2	18.4	95	135	140	33	16.8	0.90	0.587	8.2
n		5	5	5	5	5	5	5	5	5 .	5	5
Avg.		8.10	5.78	21.64	80.0	97.4	114.0	25.8	18.02	1.44	0.177	8.1
Sted. Dev.		0.32	3.27	2.94	14.1	30.7	27.7	5.36	1.01	0.94	0.229	0.2
Min.		7.6	3.4	18.4	65	65	75 .	18	16.8	0.5	0.069	7.8
Max.		8.4	11.5	26.2	95	135	140	33	19	2.6	0.587	8.5
	·	 ,										
		8.4	4.9	17.7	60	36	85	19	12.0	0.20	0.022	8.6

Project: EPA Greenhouse Gas

Site: POTW for Very Small Town in Southwestern U.S.

Sample	Date	Field	DO	Temp	TSS	BOD	COD	TOC	TKN	NH3-N	NO3-N	Lab
Identification	Sampled	pН	mg O2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	pН
A 001 Effluent	7/31/95	9.7	14.0	26.5	50	19	105	21	4.90	0.56	0.035	8.39
A 002 Effluent - Pond2	7/31/95	8.9	9.5	25.5	60	51	170	17	8.40	1.40	0.197	7.91
A 003 Effluent - Pond 1	7/31/95	8.3	3.5	26.6	45	74	155	26	24.50	14.0	0.045	7.47
A 004 Effluent	8/01/95	9.8	9.5	29.0	40	17	155	20	2.80	0.47	0.022	8.19
A 005 Effluent - Pond 2	8/01/95	9.7	2.7	27.5	50	26	120	17	10.85	2.57	0.123	7.60
A 006 Influent	8/01/95	7.5	0.2	26.4	160	195	200	21	25.55	22.4	0.038	7.07
A 009 Effluent	8/02/95	9.4	5.3	28.4	40	17 ,	95	17	5.95	0.23	0.026	8.34
A 010 Effluent - Pond 2	8/02/95	9.1	5.5	28.4	65	50	140	19	7.00	2.80	0.121	7.37
A 011 Influent	8/02/95	8.6	0.3	32.8	90	74	140	22	25.90	19.1	0.027	, 7.06
A 015 Effluent - Pond 2	8/02/95	9.2	3.0	28.6	55	41	120	18	4.55	2.10	0.163	7.50
A 016 Influent	8/02/95	8.5	0.0	28.2	80	105	200	30	28.0	21.0	0.023	7.05
A 019 Effluent - Pond 2	8/03/95	9.2	1.9	30.4	40	47	120	18	3.85	1.63	0.162	7.78
A 020 Influent	8/03/95	8.6	0.0	36.6	75	160	290	51	31.85	26.6	0.047	6.75
A 023 Effluent - Pond 2	8/03/95	9.4	4.4	38.2	40	39	140	18	4.20	2.10	0.095	7.49
A 024 Influent	8/03/95	8.8	0.2	29.5	270	200	225	29	28.35	24.4	0.043	6.73

Sample Date Field DO Temp mg/27L degC mg/L mg/2 mg/L	<u> </u>												
A 006 Influent	Sample	Date	Field	DO	Теттр	188		1		TKN	инз-и		Lab
A 011 Influent	Identification	Sampled	pН	mg Q2/L	deg C	mg/L	mg O2/L	mg/L	mg/L	mg/L	mg/L	mg/L	рН
A 011 Influent					١								
A 016 Influent						•							
A 020 felluent B03/95								•					
A 024 Influent		•											
n	• • • • • • • • • • • • • • • • • • • •												
Avg. Sted. Dev. 0.51 0.13 0.13 0.404 0.82.92 0.55.62 0.54.13 12.10 0.25.2 0.292 0.01 0.18 Min. 7.5 0 0.26.4 75 74 140 21 125.55 19.1 0.023 6.73 Max. 8.8 0.3 3.6.6 270 200 290 51 31.85 26.6 0.047 7.07 A 003 Effluent - Pond 2 7/31/95 8.3 3.5 26.6 45 74 155 26 24.50 14.0 0.045 7.47 A 003 Effluent - Pond 2 7/31/95 8.9 9.5 25.5 60 51 170 17 8.40 1.40 0.197 7.91 A 005 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.7 2.7 3.0 2.8 4.0 3.0 3.8 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	A 024 Influent	8/03/93	8.8	0.2	29.5	270	200	223	29	28.55	24.4	0.043	6.73
Avg. Sted. Dev. 0.51 0.13 0.13 0.404 0.82.92 0.55.62 0.54.13 12.10 0.25.2 0.292 0.01 0.18 Min. 7.5 0 0.26.4 75 74 140 21 125.55 19.1 0.023 6.73 Max. 8.8 0.3 3.6.6 270 200 290 51 31.85 26.6 0.047 7.07 A 003 Effluent - Pond 2 7/31/95 8.3 3.5 26.6 45 74 155 26 24.50 14.0 0.045 7.47 A 003 Effluent - Pond 2 7/31/95 8.9 9.5 25.5 60 51 170 17 8.40 1.40 0.197 7.91 A 005 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 201/95 9.7 2.7 2.7 2.7 2.7 2.7 3.0 2.8 4.0 3.0 3.8 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	n	•	5	5	5	5	5	5	5	5	5	5	5
Sted Dev. 0.51 0.13 4.04 82.92 55.62 54.13 12.10 2.52 2.92 0.01 0.18			8.4		30.7		146.8			27.93	22.7	0.0356	6.93
Max. 8.8 0.3 36.6 .270 200 290 51 31.85 26.6 0.047 7.07 A 003 Effluent - Pond 1 7/31/95 8.3 3.5 26.6 45 74 155 26 24.50 14.0 0.045 7.47 A 002 Effluent - Pond 2 7/31/95 8.9 9.5 25.5 60 51 170 17 8.40 1.40 0.045 7.47 A 002 Effluent - Pond 2 201/95 9.7 2.7 27.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 202/95 9.1 5.5 28.4 65 50 140 19 7.00 2.80 0.121 7.37 A 019 Effluent - Pond 2 202/95 9.2 3.0 28.6 55 41 120 18 4.55 2.10 0.163 7.50 A 023 Effluent - Pond 2 203/95 9.2 1.9 30.4 40 4				0.13	4.04	82.92	55.62		12.10	2.52	2.92	0.01	0.18
Max. 8.8 0.3 36.6 .270 200 290 51 31.85 26.6 0.047 7.07 A 003 Effluent - Pond 1 7/31/95 8.3 3.5 26.6 45 74 155 26 24.50 14.0 0.045 7.47 A 002 Effluent - Pond 2 7/31/95 8.9 9.5 25.5 60 51 170 17 8.40 1.40 0.045 7.47 A 002 Effluent - Pond 2 201/95 9.7 2.7 27.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 202/95 9.1 5.5 28.4 65 50 140 19 7.00 2.80 0.121 7.37 A 019 Effluent - Pond 2 202/95 9.2 3.0 28.6 55 41 120 18 4.55 2.10 0.163 7.50 A 023 Effluent - Pond 2 203/95 9.2 1.9 30.4 40 4				0	26.4		74	140			19.1		
A 003 Effluent - Pond 1 7/31/95 8.3 3.5 26.6 45 74 155 26 24.50 14.0 0.045 7.47 A 002 Effluent - Pond 2 8/01/95 9.7 2.7 27.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluent - Pond 2 8/02/95 9.1 5.5 28.4 65 50 140 19 7.00 2.80 0.121 7.37 A 015 Effluent - Pond 2 8/02/95 9.2 3.0 28.6 55 41 120 18 4.55 2.10 0.163 7.50 A 019 Effluent - Pond 2 8/03/95 9.2 1.9 30.4 40 47 120 18 3.85 1.63 0.162 7.78 A 023 Effluent - Pond 2 8/03/95 9.4 4.4 38.2 40 39 140 18 4.20 2.10 0.095 7.49 In 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	•			0.3	36.6		200	290		31.85	26.6		
A 002 Effluert - Pond2 7/31/93 8.9 9.5 25.5 60 51 170 17 8.40 1.40 0.197 7.91 A 005 Effluert - Pond 2 8/02/95 9.7 2.7 27.5 50 26 120 17 10.85 2.57 0.123 7.60 A 010 Effluert - Pond 2 8/02/95 9.1 5.5 28.4 65 50 140 19 7.00 2.80 0.121 7.37 A 015 Effluert - Pond 2 8/02/95 9.2 3.0 28.6 55 41 120 18 4.55 2.10 0.163 7.50 A 019 Effluert - Pond 2 8/03/95 9.2 1.9 30.4 40 47 120 18 3.85 1.63 0.162 7.78 A 023 Effluert - Pond 2 8/03/95 9.4 4.4 38.2 40 39 140 18 4.20 2.10 0.095 7.49 n 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6							-		· 				• *************
A 005 Effluent - Pond 2	A 003 Effluent - Pond 1	7/31/95	8.3	3.5	26.6	45	74	155	26	24.50	14.0	0.045	7.47
A 010 Effluent - Pond 2 8/02/95 9.1 5.5 28.4 65 50 140 19 7.00 2.80 0.121 7.37 A 015 Effluent - Pond 2 8/02/95 9.2 3.0 28.6 55 41 120 18 4.55 2.10 0.163 7.50 A 019 Effluent - Pond 2 8/03/95 9.2 1.9 30.4 40 47 120 18 3.85 1.63 0.162 7.78 A 023 Effluent - Pond 2 8/03/95 9.4 4.4 38.2 40 39 140 18 4.20 2.10 0.095 7.49 n 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A 002 Effluent - Pond2	7/31/95	8.9	9.5	; 25.5	. 60	51	170	17	8.40	1.40	0.197	7.91
A 015 Effluent - Pond 2	A 005 Effluent - Pond 2	8/01/95	9.7	2.7	27.5	50	26	120	17	10.85	2.57	0.123	7.60
A 019 Effluent - Pond 2 8/03/95 9.2 1.9 30.4 40 47 120 18 3.85 1.63 0.162 7.78 A 023 Effluent - Pond 2 8/03/95 9.4 4.4 38.2 40 39 140 18 4.20 2.10 0.095 7.49 n 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A 010 Effluent - Pond 2	8/02/95	9.1	5.5	28.4		50		19	7.00	2.80	0.121	7.37
A 023 Effluent - Pond 2 8/03/95 9.4 4.4 38.2 40 39 140 18 4.20 2.10 0.095 7.49 n 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A 015 Effluent - Pond 2	8/02/95	9.2	3.0	28.6	55		120	18	4.55	2.10	0.163	7.50
n 6	A 019 Effluent - Pond 2	8/03/95	9.2	1.9									
Avg. 9.25 4.5 29.77 51.7 42.3 135 17.8 6.475 2.1 0.1435 7.61 Sted Dev. 0.27 2.77 4.43 10.33 9.33 19.75 0.75 2.79 0.53 0.04 0.20 Min. 8.9 1.9 25.5 40 26 120 17 3.85 1.4 0.095 7.37 Max. 9.7 9.5 38.2 65 51 170 19 10.85 2.8 0.197 7.91 A 001 Effluent - Pond 3 7/31/95 9.7 14.0 26.5 50 19 105 21 4.90 0.56 0.035 8.39 A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 17 5.95 0.23 0.026 8.34 n 3 3 3 13 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	A 023 Effluent - Pond 2	8/03/95	9.4	4.4	38.2	40	39	140	18	4.20	2.10	0.095	7.49
Avg. 9.25 4.5 29.77 51.7 42.3 135 17.8 6.475 2.1 0.1435 7.61 Sted Dev. 0.27 2.77 4.43 10.33 9.33 19.75 0.75 2.79 0.53 0.04 0.20 Min. 8.9 1.9 25.5 40 26 120 17 3.85 1.4 0.095 7.37 Max. 9.7 9.5 38.2 65 51 170 19 10.85 2.8 0.197 7.91 A 001 Effluent - Pond 3 7/31/95 9.7 14.0 26.5 50 19 105 21 4.90 0.56 0.035 8.39 A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 17 5.95 0.23 0.026 8.34 Ng. 9.63 9.60 27.97 43.33 17.67 118.33 19.33 4.55 0.42 0.0277 8.31 Sted Dev. 0.21 4.35 1.31 5.77 1.15 32.15 2.08 1.60 0.17 0.0067 0.10 Min. 9.4 5.3 26.5 40 17 95 17 2.8 0.23 0.022 8.19	n		6	6	6	6	6	6	6	6	Ġ	6	6
Sted, Dev. 0.27 2.77 4.43 10.33 9.33 19.75 0.75 2.79 0.53 0.04 0.20 Min. 8.9 1.9 25.5 40 26 120 17 3.85 1.4 0.095 7.37 Max 9.7 9.5 38.2 65 51 170 19 10.85 2.8 0.197 7.91 A 001 Effluent - Pond 3 7/31/95 9.7 14.0 26.3 50 19 105 21 4.90 0.56 0.035 8.39 A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 17 5.95 0.23 0.026 8.34 n 3 3 3 3 3 3 3 3 3 3 3 <td< td=""><td></td><td></td><td>-</td><td></td><td></td><td>51.7</td><td>42.3</td><td>135</td><td>17.8</td><td>6.475</td><td>2.1</td><td>0.1435</td><td>7.61</td></td<>			-			51.7	42.3	135	17.8	6.475	2.1	0.1435	7.61
Min. Max. 8.9 1.9 25.5 40 26 120 17 3.85 1.4 0.095 7.37 Max. 9.7 9.5 38.2 65 51 170 19 10.85 2.8 0.197 7.91 A 001 Effluent - Pond 3 7/31/95 9.7 14.0 26.5 50 19 105 21 4.90 0.56 0.035 8.39 A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 ,17 5.95 0.23 0.026 8.34 n 3 <td></td> <td></td> <td></td> <td></td> <td>4.43</td> <td>10.33</td> <td>9.33</td> <td>19.75</td> <td>0.75</td> <td>2.79</td> <td>0.53</td> <td>0.04</td> <td>0.20</td>					4.43	10.33	9.33	19.75	0.75	2.79	0.53	0.04	0.20
A 001 Effluent - Pond 3 7/31/95 9.7 14.0 26.5 50 19 105 21 4.90 0.56 0.035 8.39 A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 17 5.95 0.23 0.026 8.34 n 3 3 3 13 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	=				25.5	40	26	120	17	3.85	1.4	0.095	7.37
A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 ,17 5.95 0.23 0.026 8.34 n 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Max		9.7	9.5	38.2	65	51	170	19	10.85	2.8	0.197	7.91
A 004 Effluent - Pond 3 8/01/95 9.8 9.5 29.0 40 17 155 20 2.80 0.47 0.022 8.19 A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 ,17 5.95 0.23 0.026 8.34 n 3 3 3 13 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	A 001 Effluent - Pond 3	7/31/95	9.7	14.0	26.5	50	19	105	21	4.90	0.56	0.035	8.39
A 009 Effluent - Pond 3 8/02/95 9.4 5.3 28.4 40 17 95 ,17 5.95 0.23 0.026 8.34 n 3 3 13 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				9.5	29.0	40	17	155	20	2.80	0.47	0.022	8.19
Avg. 9.63 9.60 27.97 43.33 17.67 118.33 19.33 4.55 0.42 0.0277 8.31 Sted. Dev. 0.21 4.35 1.31 5.77 1.15 32.15 2.08 1.60 0.17 0.0067 0.10 Min. 9.4 5.3 26.5 40 17 95 17 2.8 0.23 0.022 8.19								95	, 17	5.95	0.23	0.026	
Sted. Dev. 0.21 4.35 1.31 5.77 1.15 32.15 2.08 1.60 0.17 0.0067 0.10 Min. 9.4 5.3 26.5 40 17 95 17 2.8 0.23 0.022 8.19	n		3	3	1 3	3	3	3	3	3	3	3	3
Min. 9.4 5.3 26.5 40 17 95 17 2.8 0.23 0.022 8.19	Avg.		9.63	9.60	27.97	43.33	17.67	118.33	19.33	4.55	0.42	0.0277	
3124	Sted. Dev.		0.21	4.35	1.31	5.77	1.15	32.15	2.08	1.60	0.17	0.0067	
Max. 9.8 14 29 50 19 155 21 5.95 0.56 0.035 8.39	Min		9.4	5.3					17		0.23		
	Max.		9.8	14	29	50	19	155	21	5.95	0.56	0.035	8.39

APPENDIX G

WASTEWATER TREATMENT DATA PROVIDED BY SYSTEM OPERATORS

- G1 Beef Processing Plant in Southwest U.S.
- G2 Beef Processing Plant in Midwest U.S.
- G3 Chicken Processing Plant in Southeast U.S.
- G4 POTW for Small Town in Southwest U.S.
- G5 POTW for Very Small Town in Southwest U.S.

Site: Beef Processing Plant in Southwestern U.S.

Weekly Data Provided by Plant Operator

	Sample	BOD	TSS	pН	TKN	Ammonia	
Date	Location	(mg/L)	(mg/L)	(SU)	(mg/L)	(as N mg/L)	Comments
				<u> </u>	((WITTING LI)	Comments
1/4/95	Influent	1470	1135	6.78	86	26	,
1/11/95	Influent	1550	1070	7.56	153	34	
1/18/95	Influent	1550	2210	7.21		J 1	
1/26/95	Influent	1220	780	7.05	87	19	
2/3/95	Influent	970	450	7.13	81	22	
2/7/95	Influent	2550	1740	6.97	120	28	
2/15/95	Influent	1540	960	6.89	60	17	
2/22/95	Influent	3390	2190	6.72	145	35	
3/1/95	Influent	630	470	7.58	38	. 6	
3/8/95	Influent	1620	1080	7.37	53	22	
3/14/95	Influent	2490	1600	6.98	197	45	-
3/22/95	Influent	1030	805	7.51	89	14	
3/29/95	Influent	950	690	7.58	80	15	
4/5/95	Influent	2780	2735	7.07	209	51	
4/12/95	Influent	3310	3700	6.72	324	50	
4/19/95	Influent ·	830	440	7.85	87	17	
4/26/95	Influent	4970	5175	6.23	402	61	
5/3/95	Influent	5170	4540	6.12	482	59	
5/10/95	Influent	2800	2340	6.6	217	30	•
5/18/95	Influent	1160	1040	7.57	67	13	
5/25/95	Influent	1190	590	7.35	87	17	•
6/7/95	Influent	1570	1890	7.05	101	20	
6/14/95	Influent	1260	1815	7.42	113	38	
6/21/95	Influent	1220	1270	6.81	· 81	21	
6/28/95	Influent	2970	3080	6.2	227	51	
7/5/95	Influent	1300	600	7.44	101	17	
7/12/95	Influent	2159	1710	6.39	144	28	
7/19/95	Influent	1641	2530	6.99	158	63	
7/26/95	Influent	2590	1935	6.35	139	24	
8/2/95	Influent	2894	2070	6.76	153	39	
8/9/95	Influent	1920	1440	7.01	124	16	
8/16/95	Influent	3590	4116	6.54	313	80	
8/23/95	Influent	1065	175	7.64	64		Week of EPA's Sampling
8/31/95	Influent	1367		7.43	157	38	
9/6/95	Influent	1858	1300	7.48	126	28	
	n	34	34	35	34	34	
	Avg.	2,044	1,755	7.039	149.0	31.2	
	Std. dev.	1,110	1,222	0.462	100.6	17.4	
	Min	630	175	6.12	38	6	
	Max	5,170	5,175	7.85	482	80	

Site: Beef Processing Plant in Southwestern U.S.

Weekly Data Provided by Plant Operator

	Sample	BOD	TSS	pН	TKN	Ammonia	Nitrate	
Date	Location	(mg/L)	(mg/L)	(SU)	(mg/L)	(as N mg/L)	(as N mg/L)	Comments
		<u> </u>	<u></u>			<u> </u>		
1/4/95	Effluent	176	650	7.87	263	209		
1/11/95	Effluent	186	630	8	250	196		
1/18/95	Effluent	179	1030	8.27				
1/26/95	Effluent	185	750	7.7	245	185		
2/3/95	Effluent	303	810	7.95	254	185		
2/8/95	Effluent	208	680	8	246	192		
2/15/95	Effluent	218	670	7.74	247	190		
2/22/95	Effluent	271	1040	7.87	257	184		
3/1/95	Effluent	196	900	8.21	264	204		
3/8/95	Effluent	95	400	8.16	279	170	•	
3/15/95	Effluent	259	1070	7.84	279	193		-
3/22/95	Effluent	142	420	8.32	220	177		
3/29/95	Effluent	127	590	8.18	236	194		
4/5/95	Effluent	124	470	7.6	233	190		
4/12/95	Effluent	152	690	7.8	243	188		
4/19/95	Effluent	135	630	7.83	236	. 185		
4/26/95	Effluent	144	680	7.95	231	185		•
5/3/95	Effluent	185	440	7.85	249	192		
5/10/95	Effluent	279	1160	8.11	264	189		
5/18/95	Effluent	219	800	7.84	246	186		
5/25/95	Effluent	182	740	7.6	237	179	·	
6/7/95	Effluent	165	795	8.22	224	152		
6/14/95	Effluent	106	830	8.1	200	158		· -
6/21/95	Effluent	136	660	7.76	225	168		
6/28/95	Effluent	137	950	7.81	228	180		
7/5/95	Effluent	. 141	270	8	184	. 145		
7/12/95	Effluent	158	505	7.76	242	179		
7/19/95	Effluent	161	210	7.95	248	193		
7/26/95	Effluent	156	150	6.35	231	189		
8/2/95	Effluent	168	360	7.98	240	192		•
8/9/95	Effluent	216	430	8.11	247	201		
8/16/95	Effluent	265	840	7.82				
8/23/95	Effluent	161	200	8.03	255	202		Week of EPA's Sampling
8/31/95	Effluent	174	218	8.17	224	190	<0.2	
9/6/95	Effluent	156	350	8.04	266	217		
	n	35	35	35				
	Avg.	179.0	629.1	7.908				
	Std. dev.	49.8	268.3	0.328	19.6	14.8	0	
	Min	0	150	6.35	184	145		
	Max	303	1160	8.32	279	217	<0.2	

Site: Beef Processing Plant in Midwestern U.S.

Weekly Data Provided by Plant Operator

	Sample	BOD	TSS	pН	TKN	Nitrate	
Date	Location	(mg/L)		(SU)	(mg/L)	(as N mg/L)	Comments
Date	Location	(mg/r)	(mg/L)	(30)	(mg/L)	(42 14 HIRT)	Comments
1/4/95	Influent	934	700	8.01	51		
1/10/95	Influent	2449	1528	7.53	137		
1/17/95	Influent	960	820	7.97	85		
1/24/95	Influent	1257	820	7.14	102	2.4	
1/31/95	Influent	1254	1133	8.15	92	<0.1	
2/7/95	Influent	2411	2380	8.41	246	0.17	
2/14/95	Influent	1683	2680	9.18	225	<0.1	
2/21/95	Influent	1902	1700	7.84	139	<0.1	
2/28/95	Influent	1427	1270	9.33	181	0.7	
3/7/95	Influent	2486	3580	12.68	430	<0.1	•
3/14/95	Influent	1332	2780	9.32	214		•
3/21/95	Influent	2061	2700	8.83	289	1	
3/28/95	Influent		2800	6.81	217	<0.1	
4/4/95	Influent	2697	2220	7.16	176	<0.1	
4/11/95	Influent	2051	2840	7.6	149		,
4/18/95	Influent	3015	2520	8.03	376		
4/25/95	Influent	1833	1840	7.61	. 181		
5/2/95	Influent	1679	1570	7.41	184		
5/9/95	Influent	2724	1640	7.06	195		
5/16/95	Influent	2250	1520.	6.96	194		
5/23/95	Influent	1155	2910	6.95	159		
6/1/95	Influent	1170	3560	7.45	270		
6/6/95	Influent	2550	4600	9.49	433		
6/13/95	Influent	1640	2710	8.24	137		
6/21/95	Influent	2470	660	6.59	266		
6/27/95	Influent	1210	6680	7.26	271	0.6	
7/6/95	Influent	2610	2720	6.65	163		
7/11/95	Influent	4090	7330	6.55	234		
7/19/95	Influent	1350	7800	9.88	305		·
7/26/95	Influent	1170		6.87	221		
8/1/95	Influent	1100	812	7.12			
8/16/95	Influent	2450	4820		334		
8/22/95	Influent	2860		6.64			
8/29/95	Influent	2970		6.55			Week of EPA's Sampling
9/6/95	Influent	5590	6500	9.36	353	0.5	•
	n	34		34			
	Avg.	2,082	2,768	7.901			
	Std. dev.	968	1,884	1.286			
	Min	934		6.55			
	Max	5,590	7,800	12.68	433	2.4	

Site: Beef Processing Plant in Midwestern U.S.

Weekly Data Provided by Plant Operator

	Sample	BOD	TSS	pН	TKN	Ammonia	Nitrate	
Date	Location	(mg/L)	(mg/L)	(SU)	(mg/L)	(as N mg/L)	(as N mg/L)	Comments
4/18/95	Effluent	86	162	8.04	239	231		
5/16/95	Effluent	74	84	7.98	226	212		
5/31/95	Effluent	78	124	8.03	231	222	0.2	
6/6/95	Effluent	84	100	7.98	238	221	0.3	
6/13/95	Effluent	58	100	8.1	228	221	0.3	
6/21/95	Effluent	36	100	7.98	232	222	0.2	
7/19/95	Effluent	53	124	7.86	208	201	0.3	
7/26/95	Effluent	16	92	7.96	210	200	0.3	
8/1/95	Effluent	40	104	8.02	215	193	0.3	
8/16/95	Effluent	61	76		220	207	0.3	•
8/22/95	Effluent	60	68	8.02	215	201	0.4	
8/29/95	Effluent	44	94	8.01	209	195	0.4	Week of EPA's Sampling
9/6/95	Effluent	48	92	8.08	211	198	0.6	
					•		•	
	n	13	13	12	13	13	11	• •
	Avg.	56.8	101.5	8.005	221.7	209.5	0.33	
	Std. dev.	20.4	24.2	0.062	11.2	12.6	0.11	•
	Min	16	68	7.86	208	193	0.2	
	Max	. 86	. 162	8.1	2 39	231	0.6	ı

Site: Chicken Processing Plant in Southeastern U.S.

Monthly Data Provided by Plant Operator

	Sample	BOD	TSS	pН	TKN	DO	
Date	Location	(lb/day)	(lb/day)	(SU)	(lb/day)	(mg/L)	Comments
1/95	Effluent	7.6	27.4	6.68	6	7.37	
2/95	Effluent	7.4	18.1	6.7	3.6	7.45	
3/95	Effluent	4.9	17.2	6.66	3	7.72	
4/95	Effluent	6.3	17	6.64	3.8	7.45	
5/95	Effluent	10	13.1	6.65	10.7	7.57	
6/95	Effluent	6.3	14.8	6.67	8.4	7.67	
7/95	Effluent	5.4	18.6	6.67	5.7	7.03	
8/95	Effluent	6.5	11.2	6.67	5.6	6.86	
9/95	Effluent	10.7	14.3	6.65	5	6.88	Week of EPA Sampling
10/95	Effluent	13.2	19.7	6.64	6.3	6.9	
11/95	Effluent	10.5	18.3	6.67	5.1	7.06	
_	n	11	11	11	11	11	
	Avg.	8.07	17.25	6.664	5.75	7.269	
	Std. dev.	2.64	4.26	0.018	2.21	0.330	•
	Min	4.9	11.2	6.64	3	6.86	,
	Max	13.2	27.4	6.7	10.7	7.72	

No data for specific time periods were provided by the operator of the POTW for the Small Town in the Southwest U.S.

Site: POTW for Very Small Town in SW U.S.

Weekly Data Provided by Plant Operator

	- 	γ			Γ -		T	
	Sample	5-day BOD	TSS	pН	DO	Ammonia	Temp.	
Date	Location	(mg/L)	(mg/L)	Pii	(mg/L)	(as N mg/L)	(degree F)	Comments
_ Outc	Location	<u> (mg/=/</u>	(1119/12)		(1119/2)	1 (45 14 1119/2)	(degice i)	Continents
11/02/94	Effluent	27	88	8.79	6	0.18	64	
11/09/94	Effluent	19	104	8.72	4.2		71	
11/16/94	Effluent	43	138	8.39	5.4	-	60	
11/23/94	Effluent	42	70	8.15	7.3		59	
11/30/94	Effluent	25	66	8.24	7.8		55	
12/07/94	Effluent	33	92	8.45	7.9	0.61	68	
12/14/94	Effluent	51	52	8.15	7.3		52	
12/21/94	Effluent	54	46	7.52	5.7			
12/28/94	Effluent	72	56	9	6.4			
01/04/95	Effluent	84	80	8.59	10	<0.10	44	
01/11/95	Effluent	70	116	8.32	8.1		64	_
01/18/95	Effluent	66	86	8.01	4.9		56	
01/25/95	Effluent	49	90	7.77	7.3		51	
02/01/95	Effluent	67	64	8.36	10	2.1	50	
02/08/95	Effluent	72	80	8.11	7.9		49	
02/15/95	Effluent	51	52	8.18	10		52	
02/22/95	Effluent	45	82	8.27			55	
03/01/95	Effluent	78	98	7.67	7.4	4.4	53	
03/08/95	Effluent	130	70	8.25	9.7		44	
03/15/95	Effluent	100	120	9.15	10		62	
03/22/95	Effluent	35	68	8.05	3.7		68	
03/29/95	Effluent	76	86	8.2	7.8	·	64	
05/03/95	Effluent	44	96	8.71	3.8	0.51	70	
05/10/95	Effluent	88	100	8.39	5.3		72	
05/17/95	Effluent	65	52	7.97	2.4		79	
05/24/95	Effluent	30	48	8.32	3.6		77	•
05/31/95	Effluent	39	50	7.87	5.1		74	•
06/07/95	Effluent	35	70	9.28	7.1	0.23	73	
06/14/95	Effluent	30	52	8.98	4.8		77	
06/21/95	Effluent	30	48	8.75	3		82	
06/28/95	Effluent	19	34	8.32	2.8		81	
08/02/95	Effluent	18	46	9.12	7	<0.10	79	Week of EPA's Sampling
	n	32	32	32	31	8	30	
	Avg.	52.7	75.0	8.377	6.44	1.004	63.5	
	Std. Dev.	26.2	25.0	0.435	2.27	1.532	11.5	
	Min	18	34	7.52	2.4	0	44	
	Max	130	138	9.28	10	4.4	82	•
					• •	•••		

Site: POTW for Very Small Town in SW U.S.

Monthly Report to State Agency

Note: All data are for system effluent except for flowrate.

	BOD			TSS	[
	(daily avg.)	BOD	TSS	(daily avg.)	Daily Flow	Max Flow	NH3-N
Month	(mg/L)	(lbs/day)	(lbs/day)	(mg/L)	(MGD)	(MGD)	(mg/L)
Dec '93	26.6	5.37	15.18	75.2	0.0242	0.0443	
Jan '94	49.25	9.45	25.32	132	0.023	0.035	
Feb '94	50-72			72-140			
Mar '94	74.8	17.59	22.2	94.4	0:0282	0.063	
Apr '94	64.25	16.42	18.66	73	0.03064	0.05403	
May '94	21-56			48-56			
June '94	25	3.86	18.76	121.6	0.0185	0.0225	
July '94	41.5	6.99	29.4	174.5	0.0202	0.0266	
Aug '94	43.4	9.05	23.2	111.2	0.025	0.04	
Sept '94	41.75	11.14	23.35	87.5	0.032	0.05	0.58
Oct '94	30.25	6.31	17.72	85	0.025	0.052	0.11
Nov '94	31.2	8.33	24.87	93.2	0.032	0.038	
Dec '94	72	15.76	18.46	61.5	0.036	0.045	•
Jan '95	84	23.56	32.58	93	0.042	0.05	
Feb '95	58.75	17.15	20.29	69.5	0.035	0.045	
Mar '95	130	39.93	42.12	88.4	0.0571	0.1043	
Apr'95							
May '95	53.2	20.76	27.01	69.2	0.0468	0.201	
June '95	28.5	6.66	11.91	51	0.028	0.124	

n	18	16	16	18	16	16	2
Avg.	47.47	13.65	23.19	82.23	0.0315	0.0622	0.345
Std. Dev.	31.05	9.18	7.30	41.47	0.0102	0.0454	0.332
Min	0	3.86	11.91	0	0.0185	0.0225	0.11
Max	130	39.93	42.12	174.5	0.0571	0.201	0.58

APPENDIX H AUDIT REPORT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NATIONAL RISK MANAGEMENT RESEARCH LABORATORY AIR POLLUTION PREVENTION AND CONTROL DIVISION RESEARCH TRIANGLE PARK, NC 27711

OFFICE OF RESEARCH AND DEVELOPMENT

Memorandum

November 18,1996

From:

Richard Shores, QA Staff, MD-91

To:

Susan Thorneloe, Project Manager, MD-63

Subject:

Technical Systems and Performance Audit Report. This report documents

the results of an audit conducted at one of the green house gas (GHG) field

measurement sites, the Southwest U.S. Beef Processing Plant.

Attached is a final copy of the GHG field measurement site audit report. This report evaluates the field contractor's performance and determines an estimate of bias for the determination of GHG emission rates. The results contained in this report are not a reflection of the field measurement data collected at the other four GHG measurement sites.

If you have any questions, don't hesitate to call me at extension 1-4983. Thank you.

QTRAK No 93027

cc: Nancy Adams, APPCD Quality Assurance Officer

Audit Report

National Risk Management Research Laboratory Air Pollution Prevention and Control Division Technical Services Branch

Quality Assurance

Tracking Number

93027/Ⅲ

Audit Type

Technical Systems and Performance Audit

Audit Dates

August 22-25, 1995

Project

Field Measurement of Greenhouse Gas Emission Rates and Development of Emission Factors for Wastewater Treatment

Project Officer

Susan Thorneloe

Atmospheric Protection Branch (MD-63)

Auditors

Richard C. Shores, USEPA

Technical Services Branch (MD-49)

James Flanagan, Research Triangle Institute

Quality Assurance Department

Audit Site

Southwest U.S. Beef Processing Plant

Site Contacts

Bart Ecklund, Radian Corporation, Austin, TX.

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Section 1.0 Introduction

1.1 Background

A greenhouse gas (GHG) is generally defined as any molecule which absorbs infrared light in the spectral region of 5 to 20 micrometers (μ m). These gases include, but are not limited to water vapor (H₂O), carbon dioxide (CO₂), carbon monoxide (CO), methane (CH₄), certain volatile organic compounds (VOCs), and nitrous oxide (N₂O). Reasonably accurate global balances of GHGs are needed for climatic models and for estimating long-term global temperature changes. The development of a global balance for any compound requires identification of all major emission sources, and the estimation of their source strength (i.e., emission rate). The emphasis of this project is to characterize the emissions from waste management facilities.

Greenhouse gases are produced from the decomposition of waste in landfills, septic sewage systems, and wastewater treatment facilities. The decomposition of organic waste may occur aerobically or anaerobically. Aerobic decomposition of organic carbon results in the production of CO_2 , while anaerobic decomposition results in the production of CH_4 . In terms of greenhouse gases, CO_2 and CH_4 are not equivalent. Given equal masses of CO_2 and CH_4 , CH_4 will retain 58 times more heat energy than will CO_2 . For this reason, the emissions of CH_4 are of greater importance, from a global warming perspective. At present, emissions from waste management facilities are based upon mass balance calculations and various assumptions.

The Air Pollution Prevention and Control Division (APPCD) in EPA's National Risk Management Research Laboratory (NRMRL) has initiated a project to better quantify the GHG emissions from waste management facilities. This project is managed by Susan Thorneloe, APPCD/NRMRL, US EPA. E.H. Pechan & Associates, Inc. is the prime contractor; Radian Corporation is a subcontractor and responsible for the field measurements.

One of the GHG project field sites, a Southwest-U.S. beef processing plant, was audited. This project involved the measurement of methane upwind and downwind of a waste lagoon, to estimate methane emissions from the lagoon. Biological oxygen demand (BOD) measurements were also made. The audit was conducted by Richard Shores, a member of the EPA's QA staff and James Flanagan, an employee of APPCD's QA contractor, Research Triangle Institute. The results of this audit are described in the following sections. Appendix A contains the technical systems audit checklist used during the audit and Appendix B contains the field contractor comments and responses to issues identified in the technical systems and performance audit report.

1.2 Purpose

It can be anticipated that numerous organizations will utilize the Greenhouse Gas emissions data, and it is important to the USEPA that the quality of the data be defined as specified in the Quality Assurance Project Plan. For this reason, the primary purpose of this

audit was to evaluate the implementation of the Quality Assurance Project Plan (QAPP), prepared by E.H. Pechan & Associates, and to assure that the data from the field study satisfied the criteria specified in the QAPP. To accomplish this, a technical systems audit and a performance audit were conducted. The overall objectives of these audits, were as follows:

- Evaluate the implementation of the approved Quality Assurance Project Plan.
- Conduct a performance audit to evaluate the area source emission measurements.

1.3 Audit Summary

The audit results have been used to determine an estimate of bias for the GHG emission rates. This bias estimate is based on the results of the performance audit, which showed that the emission rates determined by the field contractor were dependent upon the distance from the Open Path Measurement-Fourier Transform Infrared (OPM-FTIR) optical path. The performance audit technique was to release an audit tracer gas at different locations. The field contractor measured the audit tracer gas and reported their calculated audit tracer gas emission rates. When the audit tracer gas was released from the southern end of the facility, farthest from the OPM-FTIR location, the calculated release rates were slightly lower (acceptable difference) than actual rates. When the audit tracer gas was released in the middle of the facility, the calculated release rates were in good agreement with the known release rates. When the audit tracer gas was released from the northern end of the facility, the calculated release rates were much higher than the actual release rates.

The auditors were concerned that portions of the Greenhouse Gas (GHG) plume would be missed under typical wind direction shifts because the OPM FTIR optical path was not long enough. The Quality Assurance Project Plan specified that wind direction shifts of +/- 15 degrees would be acceptable for valid data collection. The site plan prepared by the auditors indicate that the optical path was not long enough for the +/- 15 degree tolerance to be acceptable. Because the SF₆ tracer gas release did not represent the entire width of the lagoons, good SF₆ capture may not indicate good GHG plume capture. The portion of the GHG plume being missed would be the southern end or the portion of the source being under-represented, as indicated by the performance audit results. The portion of the GHG plume always being captured would be the northern end or the portion of the source being over-represented, as indicated by the performance audit results. A problem with trying to assess the effect of the performance audit results is the fact that we do not know where the GHG's are being emitted from within the lagoon area. The subsequent analysis of the audit results assumes a homogeneous release of GHGs from the lagoon area (source). Field contractor analysis of emission rates versus wind direction criteria.

The field contractor did not align the wind direction sensor as specified in the Quality Assurance Project Plan, and the data did not satisfy the data quality objectives (+/- 10 degrees). The wind direction sensor was found to be out of alignment. The auditors identified this problem

to the field contractor, and the alignment of the sensor was adjusted.

In the areas of sample custody, instrument usage and calibration, the auditors found no major problems. The OPM-FTIR equipment appeared to be operated and calibrated within appropriate ranges, and internal QC samples (canister samples) were taken by the measurement team. The background methane and SF₆ levels taken by the OPM-FTIR method upwind of the lagoons were adequate to provide a good baseline.

Section 2.0 Audit Findings

2.1 Technical Systems Audit Results

Technical Systems audits are intended to assess how well a Quality Assurance Project Plan was followed by field personnel and identify activities that will have an adverse effect on the data collected in the field. Observations made during the technical systems audit are listed below.

- The pH meter was not calibrated and the ph probe was not stored in a suitable liquid as recommended by the manufacturer. The field pH is itself not a critical measurement; however, samples are acidified prior to shipment using the pH meter as an indicator of the sample stability. Errors in pH could potentially affect the sample integrity and the subsequent analytical results. Recommendation: The pH meter should be checked with a standard buffer each time it is used and the electrode should be stored in a suitable liquid. Manufacturer's recommendations for electrode conditioning should be followed.
- Water measurements were taken primarily from well-aerated locations. As a result, the degree of oxygenation within the anaerobic areas in the lagoons is unknown.
 Recommendation: The need for dissolved oxygen data in the anaerobic lagoons should be evaluated. If this is found to be a necessary measurement, then future sampling of the anaerobic lagoons should be done in a representative manner.
- Waste water at this facility was first treated in the anaerobic lagoons and then in the aerobic lagoon. Most of the water effluent BOD levels were determined at the outlet of the aerobic lagoon. The amount of BOD removed in the aerobic lagoon is thus known only from estimates supplied by the facility. Since BOD removal by aerobic processes results primarily in CO₂, not methane, this could result in bias in the emission rate for methane. Recommendation: Whenever possible, BOD removal should be determined across both the anaerobic and aerobic lagoons.
- The field contractor station time was ahead of universal time (determined at the National Weather Service) by 123 seconds. <u>Recommendation</u>: Station times should be synchronized with universal time. This will allow comparison with wind direction data from NWS and any other available sources.
- Tracer Source did not encompass the width of the plume As shown in the Figure 1, the seven rotameter-controlled release points for the SF₆ tracer do not encompass the entire width of the lagoons. As a result, good capture of the tracer plume does not guarantee good capture of the plume from the lagoon.

• The wind direction sensor had not been aligned according to the Quality Assurance Project Plan. The plan specifies that both a compass and a transit will be used to align the wind direction sensor. Only after the auditors identified that the alignment was in error did the field contractor indicate that they did not have an adequate compass. There was no transit at the field site.

2.2 Performance Audit Results

Performance audits are intended to assess the accuracy of measurements made in the field. The auditor's tracer gas was released while the field contractor's crew conducted GHG monitoring. GHG monitoring included the determination of ambient air gaseous concentrations (using the OPM-FTIR), the operation of meteorological sensors and the controlled release of sulfur hexaflouride (SF₆). Using equation 1, these data were then used to calculate the OPM-FTIR emission rates for ethylene, for comparison with actual rates.

$$ER_{C_2H_4}(g/sec) = ER_{SF_6}(g/sec) \times Conc_{C_2H_4}(\mu g/m^3) / Conc_{SF_6}(\mu g/m^3)$$
 (1)

where:

ER_{C2H4} = Ethylene emission rate (g/sec) ER = Sulfur Hexaflouride emission rate (g/sec) Conc_{C2H4} = Ethylene concentration, measured with FTIR (μ g/m³) Conc_{SF6} = Sulfur Hexaflouride, measured with FTIR (μ g/m³)

Radian uses this same method to calculate the other greenhouse gases' emission rates from the lagoon. The only difference is that they normalize the reported methane emission rate for factors such as lagoon surface area, waste water composition, and lagoon volume.

Ethylene was released at a rate of 0.50 g/sec. This release rate was calculated by the auditors using the measured volumetric release rate of ethylene gas. It was found, as expected, that releasing tracer as near as possible to the SF_6 release location resulted in good agreement between the known and calculated emission rates. This release location is shown as point 0 in Figure 1. Releases from points upwind of the SF_6 release location (points 2 and 3 in Figure 1) resulted in average emission rates for ethylene that were low. Releases from points downwind of the SF_6 release location (points 4 and 5 in Figure 1) were markedly higher than the true

emission rate. The variability at the latter locations was also markedly larger than for releases farther upwind, both on an absolute and relative basis. These data are shown in Table 1 and summarized below.

Location	No. Valid Observations	Radian Measured Average Ethylene Emission (g/sec)	Auditor Released Average Ethylene Emission (g/sec)	Percent Difference (Measured- Released) (%)	Percent Recovery (%)
SE ②	8	0.48	0.5	-2.0	96
SW ③	0	n/a	0.5	n/a	n/a
Center ①	5	0.49	0.5	-1.0	98
NE @	5	8.67	0.5	1634.0	1734
NW ⑤	4	1.5	0.5	200.0	300

The data indicated that there was an effect of distance between the OPM-FTIR optical path and the field contractor's calculated release rate. As for the GHG emission rates, this would cause the portions of the lagoon nearest the OPM-FTIR optical path to be over represented. The portions of the source farthest from the IR beam would be under represented.

A linear estimate of how much this bias would impact the average emission rate for the entire lagoon was devised as follows. The field contractor calculated emission rates were considered to be apparent emissions rates and representative of the lagoon area. These apparent emission rates were weighted to represent six (two south, two center and two north) points evenly spaced around the lagoons. This is shown in the following equation.

E.R._{AVG} =
$$\frac{2(0.48) + 2(0.49) + 8.67 + 1.5}{6}$$
 = 2.02 (2)

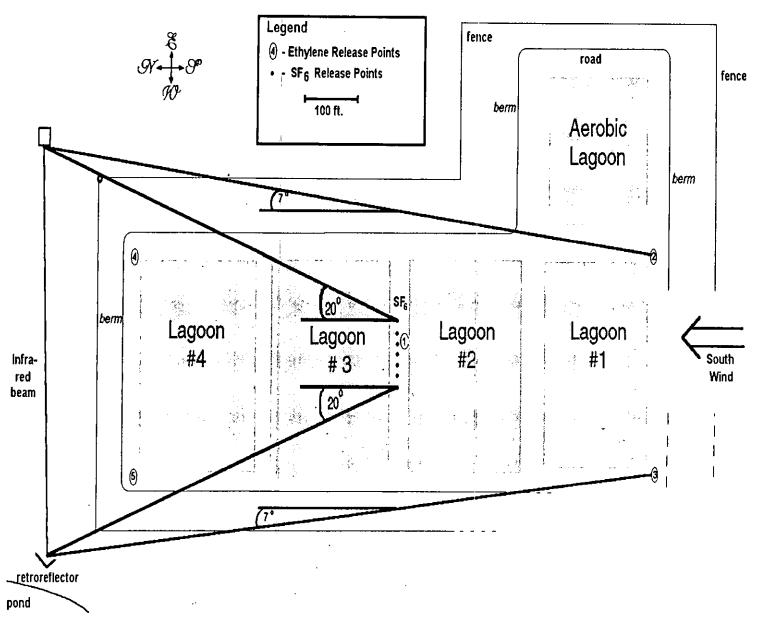


Figure 1. An overview of the waste water treatment facility and location of the IR beam.

Table 1. OPM-FTIR performance audit data, including the location of the ethylene release points.

Date	Time	Wind Direction (Deg)	Deviation From Ideal (Deg)**	Wind Speed (Deg)	Radian Measured SF6, (ppb)	Auditor Ethylene Release Location *	Radian Measured Ethylene (ppb)	Radian Estimated Ethylene E.R. _R (g/sec)	Auditor Calculated Ethylene E.R. _A (g/sec)	Percent Difference (%)	Average Percent Difference (%)
8/23/95	9:59:50	174	13	12.3	8.82	Center	29.44	0.42	0.50	-16.0	
8/23/95	10:04:51	171	10	11.9	10.93	Center	41.18	0.47	0.50	-6.0	
8/23/95	10:09:50	175	15	11.6	8.72	Center	27.92	0.40	0.50	-20.0	
8/23/96	10:44:51	173	12	11.6	4.43	Center	22.7	0.64	0.50	28.0	Center @
8/23/95	10:49:95	172	13	12.8	9.53	Center	41.32	0.54	0.50	8.0	-1.2
8/24/95	7:45:03	148	13	4.7	37.14	SE	101.08	0.34	0.50	-32.0	
8/24/95	7:50:02	149	12	4.7	39.12	SE	200.76	0.64 0.50		28.0	
8/24/95	7:55:02	159	2	6.2	33.27	SE	155.10	0.58 0.50		16.0	
8/24/95	8:00:02	157	4	6.1	31.58	SE	165.69	0.66	0.50	32.0	
8/24/95	8:05:02	168	7	6.9	30.77	SE	111.18	0.45	0.50	-10.0	
8/24/95	8:10:02	174	13	6.8	31.36	SE	99.30	0.40	0.50	-20.0	
8/24/95	8:15:03	173	12	7.3	28.24	SE	87.23	0.39	0.50	-22.0	
8/24/95	8:20:03	175	14	7.1	27.19	SE	83.10	0.38	0.50	-24.0	
8/25/95	3:45:04	146	15	5.8	3.47	NE	778.12	28.0	0.50	5500.0	
8/25/95	3:50:05	146	15	6.1	11.61	NE	688.25	7.4	0.50	1380.0	
8/25/95	3:55:05	152	9	5.6	16.71	NE	640.15	4.8	0.50	860.0	
8/25/96	4:00:05	149	12	5.2	19.52	NE	717.63	4.6	0.50	820.0	

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Date	Time	Wind Direction (Deg)	Deviation From Ideal (Deg)**	Wind Speed (Deg)	Radian Measured SF6, (ppb)	Auditor Ethylene Release Location *	Radian Measured Ethylene (ppb)	Radian Estimated Ethylene E.R. _R (g/sec)	Auditor Calculated Ethylene E.R., (g/sec)	Percent Difference (%)	Average Percent Difference (%)
8/25/95	4:05:06	150	11	4.7	20.91	NE	824.24	4.9	0.50	880.0	NE @
8/25/95	4:10:06	157	4	5.1	39.00	NE	718.73	2.3	0.50	360.0	1665.7 %
8/25/95	4:15:95	148	13	5.3	31.01	NW	224.20	0.90	0.50	80.0	
8/25/95	4:20:06	149	12	5.3	29.69	NW	503.83	2.1	0.50	320.0	
8/25/95	4:25:06	147	14	5.3	24.05	NW	421.71	2.2	0.50	340.0	NW @
8/25/95	4:30:06	149	12	5.5	24.38	NW	155.95	0.80	0.50	60.0	200.0 %

^{*} Release location reference to Figure 1: Center is position ①; SE or South East is position ②; SW or South West is position ③; NE or North East is position ④; and NW or North West is position ⑤.

^{**} Ideal direction is identified as 161 degrees +/- 15 degrees.

Since the known emission rate average is 0.50 g/sec, a linear estimate of the bias is (2.02-0.50)/0.50 = 368%. Clearly, much better estimate of bias is possible based on the excellent agreement seen when the audit tracer is placed alongside the SF₆ tracer (location ①) and at the southern end of the lagoon area.

A nonlinear estimate of how much this bias would impact the average emission rate for the entire lagoon was devised as follows. The audit results were fitted to a polynomial function with 2 degrees of freedom. This function established a relationship between average percent difference between auditor released rates and field contractor calculated rates and the distance from the OPM-FTIR optical path. The average percent difference for the entire lagoon area was determined by integrating the area under the polynomial function. The average percent difference for the entire lagoon area was calculated to be + 67 %. This estimate of bias is considered to be much more representative than the previous linear estimate. Average percent difference versus distance from the OPM-FTIR optical path is shown in the following graph.

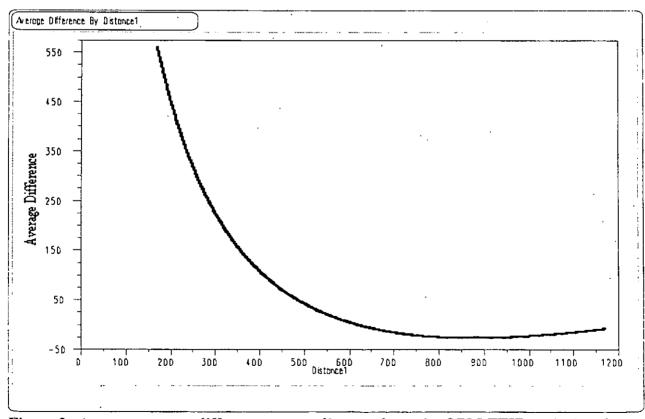


Figure 2. Average percent difference versus distance from the OPM-FTIR optical path.

This graph demonstrates the relationship between distance and the average percent difference of emission rate estimates calculated by the field contractor and the known auditor known release rates. The lagoon area is represented by the distance of ~175 feet to 1175 feet.

In future studies, this situation might be improved by more appropriate placement of the OPM-FTIR optical path in relation to the source. Simply moving the OPM-FTIR optical path farther downwind should produce marked reduction in this source of bias. This recommendation is based on the fact that there was good agreement when the auditor release point was in the center and at the southern end of the lagoon area. Spreading the SF_6 tracer release points over more of the lagoon area would also improve agreement, but the distance between the OPM-FTIR optical path and the source is the critical variable to reducing bias.

The wind direction can cause part of the plume to evade the optical path. Data obtained while ethylene was being released dramatically illustrate the effects of wind direction on plume capture and on calculated emission rates. Figure 2 shows wind direction, actual ethylene emission rate, and the calculated ethylene emission rate. This figure illustrates the effects of changing wind direction on the plume capture and the effects of the calculated GHG emission rates. The importance of wind direction data was emphasized in the Quality Assurance Project Plan. The data quality objectives for wind direction data were a precision of +/-1 degree and an accuracy of +/- 10 degrees.

The wind direction sensor alignment was audited. The performance audit evaluation of the wind direction sensor indicated that the sensor was out of alignment by 25 degrees. The wind direction audit results were reported to the Radian Corporation personnel at the time of the audit (August 23). Even though the auditors recommended that the sensor not be changed because it would be easier to adjust the data after the field effort had been completed, the field personnel adjusted the alignment of the sensor.

Figures 3 and 4 demonstrate how well the wind direction data collected by Radian Corporation agree with wind direction data recorded by a NOAA-NWS station located in the near vicinity. These figures also show the shift in alignment of the sensor. Before the adjustment the average difference was 41 degrees; after the adjustment the difference was 18 degrees, a change of 23 degrees. Even after the adjustment, the wind direction data may not have satisfied the requirements specified in the Quality Assurance Project Plan. A meteorologist at the NOAA-NWS station considered the NOAA data to be representative of the field measurement site. The terrain in this part of the country is mostly flat. The representativeness of the NOAA-NWS station to the field site can be debated, but at a minimum, data from the two sites can be evaluated for change.

The NOAA-NWS meteorological data were obtained during the audit and are not all included in the field test report. Also, further validation of data by the contractor may invalidate some or all of the data in these figures; nevertheless, they illustrate problems with the meteorological data and some of the potential problems inherent in OPM-FTIR.

To avoid these problems, it is suggested that the contractor test the effects of longer IR path length. This should allow more wind direction variability without missing the plume.

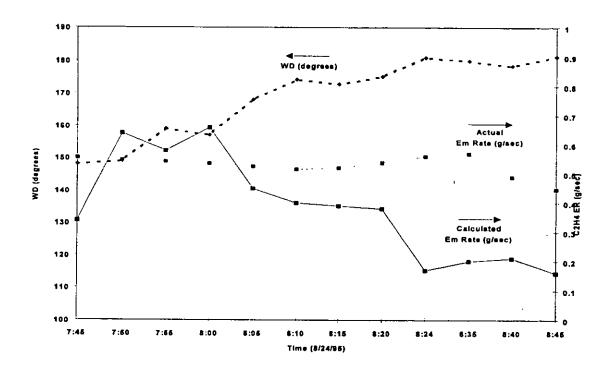


Figure 3. Showing the effects of wind direction on the calculated ethylene emission rate.

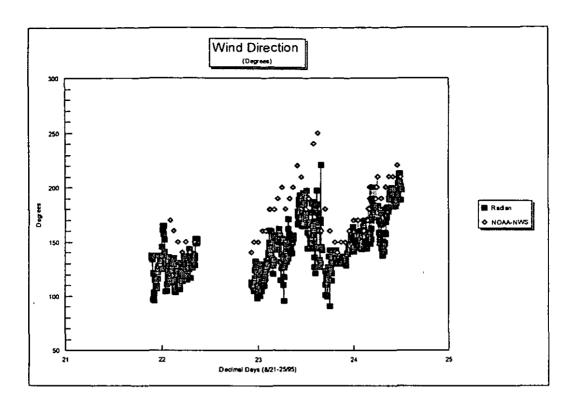


Figure 4. Shows the wind direction data collected by Radian and the NOAA station. Decimal days represent the fraction of the audit dates (August 21-25, 1995).

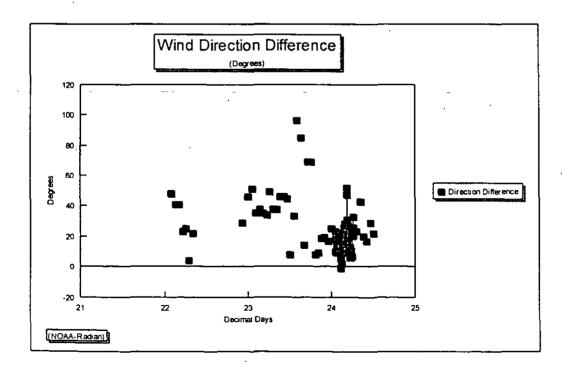


Figure 5. Shows the difference between the Radian and NOAA wind direction data. Notice the shift in difference on August 23,1995.

Section 3.0 Auditing Activities

3.1 Audit Preparation

Preparation for this audit included planning meetings with the Project Officer, review of the Quality Assurance Project Plan, and discussions with both the E. H. Pechan & Associates, Inc. and Radian Corporation personnel. Technical systems audit preparation included the preparation of a checklist based on the QAPP. Performance audit preparation was much more extensive and included the creation of a method to evaluate the emission estimates being calculated from the OPM-FTIR concentration data.

Ethylene was used by the auditors as a second tracer gas to evaluate the emission estimates. Ethylene has the advantages of having almost the same buoyancy as air, and it is not found in significant amounts in this semi-rural setting. Further, it has characteristic IR absorption regions that are free from interferences by other gases present at the site, including water, carbon dioxide, methane, and Sulfur Hexa-flouride. Ethylene is also detectable at low concentrations. This is important because of practical limitations in the amount of the auditor's tracer gas released. Ethylene was released from a 220 cubic foot steel cylinder. This cylinder was provided by the Radian personnel to support the quality assurance work conducted by the EPA and RTI auditors.

The auditors made ethylene releases at known rates from different locations within the lagoon area. The first release location was near the midpoint of the lagoon. This location was also the location where the Radian personnel conducted their SF₆ releases. The other ethylene releases were conducted from the four corners of the lagoon. (See Figure 1.)

The auditor's (actual) emission rate for ethylene was determined using a dry gas meter and stopwatch. A needle valve and a pressure regulator were used to adjust the release rate from the ethylene tank.

3.2 Supporting Documentation

Documentation referred to during this audit included the Quality Assurance Project Plan, prepared by E.H. Pechan & Associates and Radian Corporation, dated July 25,1995. This Quality Assurance Project Plan was reviewed by the APPCD QA Staff and approved for field study implementation. The specified date identifies the final revision, in response the APPCD QA Staff review comments.

3.3 On-Site Activities

Tuesday, August 22, 1995

Auditors arrived at the site at 6:00 p.m. The Radian team had completed making upwind background measurements and was dismantling the equipment so that it could be moved to the downwind monitoring location. Eight photographs were taken to document the site. Site orientation was determined with a hand-held compass.

Wednesday, August 23, 1995

Auditors arrived at the site at approximately 9:00 a.m. Mr. Bart Eklund of Radian told the auditors that Radian personnel had monitored all night, with continuous release of SF₆ tracer.

Auditors released ethylene tracer gas from 9:45 until 10:50 a.m. at a release rate of 1 cu.ft./40 sec. The release location was near the center of the SF_6 array that had been set up by Radian. The release point is shown as point ① on Figure 1.

At approximately 11:00 a.m., the ethylene release location was moved to the southeast corner of the anaerobic lagoons, point ② in Figure 1. Ethylene emissions stabilized at 11:15 a.m. The release concluded at 11:55 a.m. Radian indicated that no SF₆ and no ethylene were being detected. The auditors estimated (using a compass) that the wind direction was about 210 degrees; however, Radian's wind vane readout indicated closer to 180 degrees. The auditors then conducted a performance audit on the alignment of the wind direction sensor. The following results were obtained:

Vane Orientation	Radian Direction Sensor Indicated, (degrees)	Auditor's True Direction, (degrees)	Difference, [Auditor-Radian] (degrees)
North	336	360	24
South	154	180	26
	25		

Auditors observed a water sample being taken from the aerobic lagoon. A narrow-mouth plastic bottle attached to a long pole was dipped into the lagoon about 3 feet from the edge. Sample bottles were filled from the dipper bottle. Disinfectant solution (1:10 water:chlorox) was sprayed on the outside of the large and small sample bottles and was also used to rinse the inside of the large sampling bottle. All were rinsed with clean water from a different bottle (non-chlorinated "Sparkletts" drinking water). Sample vials were filled, labeled, and packed in ice for shipping. Iced samples were sent to Radian labs by Federal Express.

Using the methods outlined in the EPA's Quality Assurance Guidance Manual, "Meteorological Measurements, Volume IV", solar noon was calculated to be 1:45 p.m. local

time (Central Daylight Time). The lagoon perimeter fence appeared have been aligned with geographic coordinates. Magnetic north was approximately 10 degrees east of true north.

The auditors observed water sample preservation and pH check at 3:20 p.m. The portable meter used was a "Check mate 90" manufactured by Corning. The probe was rinsed in the tap water. No calibration standards were used. It took 2-3 minutes for the reading to stabilize after the probe was immersed in a sample from the aerobic lagoon. The pH meter was used to monitor the pH while the contents of 4 small bottles were acidified to pH <2.

Thursday, August 24, 1995

Auditors started releasing ethylene at the southeast corner of the lagoon area (point ② in Figure 1) at 7:40 a.m. Flow stabilized at 7:45 a.m. and the release concluded at 8:46 a.m. At 8:50 a.m. the auditors moved the release point to ③ and continued the release. Auditors estimated the wind direction to be around 200 degrees magnetic (210 degrees true). It was likely that most of the tracer was missing the plume.

Visited the NOAA weather station. This is roughly 3 miles from the monitoring site. It was found that the time on Radian's data recording instruments was about 2 minutes and 3 seconds faster than NOAA time. Local magnetic declination is 10 degrees (true north west of magnetic north), according to NOAA personnel.

Radian informed us that the wind vane had been realigned by about 15 degrees.

Shores and Flanagan discussed spectroscopy with Jeff Lacosse. The spectrometer is set up for 0.5 cm⁻¹ resolution and uses 230 scans for each 5-minute average. The instrument is a Nicolet Magna series model 750 with OMNIC software. Radian is working on new software. A special interface card is used between the Nicolet and the PC-compatible computer used for data acquisition.

The telescopes used are special-order with long focal length (high f number). Reflective coating is Al with SiO₂ coating.

A calibration cell is used that contains 3% methane and 200 ppm SF₆. Signal-to-noise (S/N) is determined once per day. To maintain an acceptable S/N ratio the goal is to operate with an absorbance of less than 0.001 Absorbance Units, in the region of measurement. This is required to achieve their detection limit for the absorbance lines of interest. For ethylene quantification, the peak at 951 cm-1 will be used.

Merging the IR data with the meteorological data will be done at Radian. These data were acquired separately in the field.

Auditors questioned the Radian team about their siting distance measurements and how they located the beam. They answered that the beam was placed about 50 meters from the berm. This agrees with auditors' measurements. The path length was limited by the presence of a small pond behind the retroreflector and by standing water (mud) behind the truck.

Radian's preliminary validation criteria were:

- sigma-theta ($\sigma\theta$) less than 30 degrees
- Pasquill-Gifford stability "acceptable" (see QAPP, planning documentation)
- Wind speed within acceptable range (see QAPP, planning documentation)
- Wind direction within limits (to be determined)

Friday, August 25, 1996

Auditors arrived at the site before 3:00 a.m. to take advantage of favorable winds. A key had been provided by operators of the test facility. Ethylene releases were made from the southwest, northeast, and southeast corners, points ③, ④, and ⑤. The supply of ethylene available to the auditors was expended at approximately 4:30 a.m. Auditors packed up and left to catch a 6:00 am flight.

REFERENCES

Eklund, Bart, Radian Corporation, letter to Randy Strait of E.H.Pechan Corporation, December 12, 1995.

APPENDIX A

TECHNICAL SYSTEMS AUDIT QUALITY ASSURANCE CHECKLIST

National Risk Management Research Laboratory (NRMRL)
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

Audit Subject: TSA on 93027/III - Measurement of Greenhouse Gases from Anaerobic

Decomposition...

Date: August 22 - 25, 1995 RTI Project Number: 6314-017

Contractor: Radian Corp. RTI Auditor: J.Flanagan

Location: Amarillo, TX

EPA Lead Auditor: Richard Shores, EPA/NRMRL/APPCD

AUDIT QUESTIONS	RE Y	SPON	SE NA	COMMENTS
A. ON-SITE DOO	CUME	NTA	ΓΙΟΝ	
Is a copy of the <i>QA Project Plan</i> available at the site?	1			
Are logbooks used at the site to record data and operational information? List all working logbooks and other records associated with the field study.	✓			Logbooks and shipping logs are used. Strict "chain of custody" procedures are not used because the data are not required to be legally defensible for litigation or enforcement.
3. What is the source of the spectral interpretation software? List manufacturer or author, version number, date, and other pertinent information? Is a standard spectral library used? If so, describe author, version, date, etc. How many compounds in the library will be used for this project?				Nicolet software is used.

AUDIT QUESTIONS		SPON	SE		
		N	NA	COMMENTS	
Describe the background measurements:				Upwind measurements were made the first day at the site. No additional upwind measurements were planned.	
4a. What is the frequency of background measurement?					
4b. What analytical methods are used for background determination? (e.g., canister sampling followed by gc analysis; FTIR on a different path)				Canisters were taken for later analysis by GC. A variety of locations were used: upwind downwind Vertical profile Path-integrated (walking)	
4c. If canister sampling is an important element in background determination, describe the QA/QC program for canister sampling and analysis. Are field blanks taken? How is comparability between canister sampling and FTIR established?				·	
4dIf FTIR is the method used to establish — background, describe and illustrate the alternative optical path used on the site sketch. Is this path representative of the sample path?				See Figure 1. The upwind path should be adequately representative. The auditors saw no nearby sources of methane or interferent gases.	
B. CALIB	RATI	ONS			
Have FTIR calibrations been done that encompass the expected range of concentrations for all tracers, greenhouse gases, and interfering gases? List calibrated gases, date of calibration, and concentrations used.		/		Calibration data are obtained from standard spectra.	

	RF	SPON	SÉ	
AUDIT QUESTIONS		N	NA	COMMENTS
Are the operating conditions including resolution (cm ⁻¹) standardized for all reference spectra?		1		Some spectra were taken on another instrument with slightly different characteristics.
For critical gases (methane and tracers) are the peaks used for quantification well-resolved (i.e., peak width at half height > FTIR resolution)?	1			Spectra appear well-resolved at 0.5 cm ⁻¹ resolution.
4. Are FTIR correlation coefficients acceptably high (i.e., r > 0.9)?	1			
Are atmospheric interferences present in the calibration spectra? If so, how are they accounted for?	✓			The usual interferences are present. They are taken into account as described in the QAPP.
6. For the meteorological sensors, what calibration or check-out procedures were used at the site during and after installation?	,			Hand held compass used for alignment, otherwise no on-site activities were used at the site.
7. Was true North established using a reliable method? Describe the method used and check the station orientation using an independent method, if possible.		1		A magnetic compass was used but the error identified would indicate problems or a lack of experience. Auditors used solar noon method to verify true north.
8. Are all other instruments in calibration as recommended by the manufacturer or QAPP? Verify that calibration procedures described in the QAPP were followed by reviewing documentation. Instruments other than the FTIR and meteorological sensors include: OVA Rotameters		✓		The handling of the pH meter was not in accord with the manufacturer's instructions. This is not a critical measurement, however. See "Findings" section.

	RF	ESPON	SE	
AUDIT QUESTIONS.	Y	N	NA	COMMENTS
9. Was the A/D converter or other data logger input calibrated? When was it calibrated? What standard was used?			> .	The Odessa data logger does not have analog outputs. It was not possible to audit A/D conversion.
10. For OVA-108 portable monitor determine the following: - Actual frequency of calibration: - Actual frequency of leak checking: - Identify the source of calibration gases:			✓	OVA was not used at this site.
10a. Is the written calibration procedure followed?			1	u
10b. Is calibration done at atmospheric pressure?			✓	
11. Has the FTIR's Signal to Noise (S/N) ratio been established under the operating conditions?	✓			Yes. The procedure was reviewed with Jeff Lacosse.
12. Illustrate the geometry and the cell used for		-	1	
C. SITE SE	ELEC	FION		
Does the site appear to be adequately free of obstructions to wind flow? Illustrate the site layout. Show how the meteorological equipment is mounted. Show height above ground and distance from any obstacles and from the lagoon. Show all planned sampling paths. Show off-site sources of interferences. Indicate tracer release locations.	✓			This appears to be an excellent site. It is free of upwind and downwind obstructions. See Figure 1.

	RE	SPON	SE	
AUDIT QUESTIONS		N	NA	COMMENTS
2. Document the height above ground level (or other reference) of the following: - IR path - tracer release point - Lagoon surface - Lagoon berms and related equipment - Nearby trees, buildings, etc.			/	See Figure 1. The only nearby buildings are those on the West side of the first lagoon.
How was the most likely prevailing wind determined? Indicate source of this information.		·	✓	Existing weather data indicate southerly winds for this area as confirmed by the National Weather Service. However, the prevailing wind often varies by up to 10 degrees between averaging periods.
4. How far is the lagoon near edge from the optical path? What is the distance from the center of the logoon area to the optical path? Is the distance sufficient for dispersion assumptions to be obtained?			✓	The effect of the elevated lagoon on mixing is unknown.
D. METEOROLOGICAL EQU	IPME	ENT A	:ND O	PERATIONS
Are meteorological data samples synchronized with FTIR measurements? If possible, dump instantaneous data and check time synchronization vs. an event that occurs at a known time.	1			Time synchronization was confirmed by the auditors. Compared with a time check at the local airport, the Radian time was fast by 2 minutes 3 seconds.
Are the wind speed and direction averaging algorithms identified (e.g., scalar, vector)?	1			
3. Is sigma-theta being calculated and recorded?	1			

AUDIT QUESTIONS		SPON	SE	
		N	NA	COMMENTS
How many instantaneous samples are combined to produce a 5-minute average?			\	FTIR - 230 scans per 5-minute period.
If possible, dump some instantaneous data and recalculate one or more 5-minute averages for all parameters. Verify that the averages are calculated correctly.			. 🗸	It was not possible to dump or monitor instantaneous data.
E. TRACER RELEASE EQUI	PMEN	NT AN	ID PR	OCEDURES
Inspect the tracer release equipment for integrity. Are any problems noted?		1		Equipment was visually inspected. No problems were noted.
How many release points are there? Are the release points configured to avoid momentum effects that might disturb the air flow?	1			Seven total release points. Release was parallel with the ground. The rate of release was not high enough to impart objectionable momentum effects.
3. Is the length of the manifold comparable with the width of the source?		√		The manifold was about half the cross-sectional width of the lagoon. See discussion.
4. Is the total flow at the tank regulator balanced against the sum of the individual release rates (imbalance could indicate leakage)?			1	Could not determine.
Check the flow rate calculations for the tracer release. Were flow rate calibration data adjusted for molecular weight, viscosity, heat capacity, etc. if referenced to air or other gas?			✓	Could not determine.
How often are the tracer release rotameters checked? Does the procedure appear adequate to maintain a steady flow rate?	1			Rotameters are checked daily when the tracer tank is changed.

AUDIT QUESTIONS		ESPON	ISE_		
		N	NA	COMMENTS	
How often is the tracer release system checked for leaks? When are checks conducted?				No checks conducted.	
Sketch the tracer release equipment configuration. Note the source/supplier of the tracer gas.			1	See Figure 1.	
9. Note indicated pressure on the tracer regulator at intervals. Compare the usage rate calculated from pressure changes with the release rates obtained by Radian. Output Description:			✓	Each tracer tank lasts 12-18 hours. This appears reasonable based on the original weight and release rate.	
F. OPERATIONS AND CALCULATIONS					
Describe how plume capture efficiency (percent of plume intersected by the IR beam) will be determined during monitoring:		-	✓	This was not being closely monitored. See discussion.	
1a. How soon after a wind shift will it be recognized by the operator?			✓	No effort was made to recognize and compensate for wind shifts.	
1b. What are contingency plans for moving the monitoring path when there is a wind shift?			✓	At this site there were no specific plans for moving the monitoring path. The expected wind direction was from the South.	
1c. Describe how corrections are made for incomplete plume capture.			1	Any such corrections would have to be made during data analysis and interpretation.	

AUDIT QUESTIONS		RESPONSE			
		N	NA	COMMENTS	
How will highly variable winds be recognized? How would excessive variation in wind speed or direction be dealt with during monitoring? How will excessive variability be taken into account during later data validation and analysis?				Wind direction variability can be seen from the value of sigma-theta and from the variation between 5-minute averages. Excessive variability would render the data from that time period unsuitable for emission rate calculation.	
What dispersion models are used to assist in the field? Identify. Describe how they are used.			/	Not identified by field personnel.	
Describe any modifications or corrections to the analysis equations given in the QAPP that may be applied in actual usage.			✓ Not known by field personn		
5. Will dispersion models be used for further analysis after the data are returned to the Radian office? If so, describe.			✓	Not known.	
Describe the data processing operations done on site. Provide a block diagram of major data transfer operations from acquisition.			✓	Only minimal data processing is completed on site.	

APPENDIX B

FIELD CONTRACTOR COMMENTS AND RESPONSE TO ISSUES IDENTIFIED IN TECHNICAL SYSTEMS PERFORMANCE AUDIT REPORT

October 22, 1996

Ms. Susan A. Thorneloe
Air Pollution Prevention and Control Division, MD-63
National Risk Management Research Laboratory
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

SUBJECT: Comments on and Response to Issues Identified in Technical Systems and

Performance Audit Report

(EPA Contract No. 68-D4-0100, Base Statement of Work Area, Delivery Order

No. 2, Line Item 21)

Dear Susan:

Enclosed are the Pechan Team's comments on and response to issues identified in Mr. Richard Shores' September 23, 1996, memorandum that documents the results of the "Technical Systems and Performance Audit" that was conducted for the greenhouse gas field measurement study at the Beef Processing Plant in the Southwest U.S.

If you have any questions, please contact me at (919) 493-3144, x118.

Sincerely,

Randy Strait Sr. Environmental Scientist

Enclosure

cc: Bill Barnard (Pechan-NC)

Bart Eklund (Radian-TX)

Dorothy Schilder (Pechan-NC)

Comments on and Response to Issues Identified in Technical Systems and Performance Audit Report

October 22, 1996

Introduction

The Pechan Team has reviewed the memorandum from Mr. Richard Shores to Ms. Susan Thorneloe dated September 23, 1996, that gives the results of the "Technical Systems and Performance Audit" for the greenhouse gas field measurement study conducted at a beef processing plant in the Southwest U.S.

The audit report fairly represents the field activities that were undertaken. Both Mr. Shores and Mr. Flanagan appeared to have considerable experience with field sampling and both approached their work in a professional manner. Overall, the auditors raise many valid issues in their report that merit consideration. However, it appears that the data set developed during the audit includes both valid and invalid data. Drawing upon the entire data set, the auditors reach conclusions that are not supported by a close examination of the data.

The comments follow the format of Mr. Shores' memorandum: Audit Summary, Technical Systems Audit Findings, and Performance Audit Results.

Audit Summary

The audit summary has three primary conclusions: 1) the audit results indicate that the measurement results may be biased high; 2) the wind direction sensor was out of alignment; and 3) the use of a heavier-than-air gas as a tracer may not be valid. As explained in the discussion that follows, the first and third conclusion are not valid. The second conclusion is valid, but as indicated below, the problem would have been detected and corrected during the data reduction if it had not been identified during the audit.

Technical Systems Audit Findings

The audit report has eight bulleted items. The gist of each comment is given in italics followed by our response.

1. The pH meter was not being calibrated and stored as recommended by the manufacturer.

The pH meter was used to monitor sample pH during acidification (preservation) of certain water samples to a pH level of ≤ 2 . The deficiency was corrected at the site and correct procedures were followed at the subsequent three field sites. The effect of the infrequent calibrations on the analytical results should be non-existent.

A pH-related issue, of potential future interest, was the buffering capacity of the samples. The high levels of chemical oxygen demand (COD) and total suspended solids (TSS) led to a large buffering capacity in the influent samples. Low pH readings were transitory in some cases. The samples required stirring after acid addition, pH monitoring over a longer than usual time period, and repeated acid addition before a constant pH level of ≤ 2 could be achieved.

2. Water measurements were taken primarily from well-aerated locations.

At all five sites, influent and effluent water samples were collected at piping or sumps, whenever possible, as opposed to dipping samples from the lagoons. Given the large surface area of the lagoons and their depths, the former option should result in more representative samples. As seen in Table 5-5 of the December 20, 1995, draft field measurement report, the effluent wastewater samples averaged only 0.2 milligrams per liter (mg/L) of O_2 and never exceeded 0.7 mg/L. Given the low readings, aeration of the samples due to sample location does not appear to be significant.

3. Effluent samples were collected after an aerobic lagoon.

At this site, no access was available to wastewater between the four large anaerobic lagoons and the one small aerobic lagoon. This was not an issue at the other four sites. We agree with the recommendation that "Whenever possible, biological oxygen demand (BOD) removal should be determined across both the anaerobic and aerobic lagoons".

4. The station time was ahead of universal time by 2 minutes 3 seconds.

We agree with the recommendation that "Station times should be synchronized with universal time".

A related issue of possible interest is the accuracy of the time rate. When using a portable generator, the electrical power may not be exactly 60 Hz and this can result in clocks running slow or fast. This complicates data reduction. Inaccurate clock speed was not an issue in this study.

Tracer source did not encompass the width of the plume.

The width of the tracer source was 30 meters (m) versus a lagoon width of 91m at the audit site and 58m to 236m at the other four sites. Tracer releases often are a point source and the audit results for this study indicate that very comparable results were obtained for a point source of ethylene versus a line source of SF_6 (see next section). In principle, however, it is advisable to extend the line source to as close as possible to the width of the area source.

6. Site layout was not fully characterized on-site.

This comment is not correct. We were aware of the length of the monitoring beam (173m) versus the lagoon width (91m), but as noted in the audit report, the presence of a small pond on the site prevented us from extending the monitoring beam to the west.

7. No allowance was made for horizontal dispersion ...the SF_6 tracer cross-wind profile may be different from that of [methane].

We took horizontal dispersion into account by narrowing the acceptance criteria for wind direction from the +/- 30° value given in the Quality Assurance Project Plan (QAPP) to +/-15°. As shown by the audit results for tracer release from the far upwind edge of the lagoon system, we could accurately determine emission rates.

The concern that SF_6 will behave differently than other gases in the atmosphere is a widespread misconception. It is based, perhaps, on the erroneous assumption that gas behavior due to diffusion is the dominant transport mechanism in the atmosphere. It is true that the molecular weight (MW) of SF_6 is 146 versus a MW of 29 for ambient air. It is still considered to be a volatile gas, however. For comparison, the MW of chloroform is 119 and the MW of carbon tetrachloride is 154; both are volatile organic compounds (VOCs).

There are two arguments that SF_6 behaves exactly the same as other gases under typical atmospheric conditions. One, the U.S. EPA's default regulatory model for atmospheric dispersion (i.e., ISC3) makes no distinction in atmospheric transport among volatile gases based on molecular weight. A molecule of SF_6 is assumed to behave exactly the same as a molecule of methane or nitrogen. The EPA and innumerable outside experts have accepted this assumption as being valid. The exceptions are scenarios involving reactive gases, particles that may be deposited, or dense gases at high concentrations. The dense gas exception is not applicable to our situation, as atmospheric models designed to address accidental releases of dense gases indicate that dense gas effects are not significant until the dense gas concentration approaches 10% (we were at less than 1 ppmv). Two, measurements in ambient air indicate that atmospheric gases are not distributed by molecular weight. If this were not true, one would expect the first few feet of air above the ground surface to be noble (e.g., Ar, Kr) and other dense gases. Further evidence is that the percentage of oxygen in air is the same at ground level as at breathing height as at 50m above ground (the partial pressure, of course, does vary with altitude - but not the percentage). The heavier oxygen does not "settle out" from the nitrogen in the atmosphere.

8. The wind direction sensor had not been aligned according to the QAPP.

The audit finding is correct. The original alignment of the wind direction (WD) sensor was performed when the wind speed was greater than 10 mph, which made alignment inaccurate due to difficulties in holding the WD sensor steady. This was not a problem at the other four field sites. More care was taken at subsequent field sites, both in the initial alignment and in checking the alignment afterwards. In any event, the FTIR monitoring

itself provided a good indication of the WD alignment. A plot of measured methane concentration versus wind direction (see Figure 6-2 of our report) shows a strong dependence of methane concentration with WD. The maximum methane readings were at or near the ideal WD of 176° and the concentration dropped off as the deviation from the ideal WD increased. If the problem had not been identified by the audit, it would have been identified during the data reduction, thought the cause of the error would have been somewhat subject to doubt.

Performance Audit Results

The audit gas was released from five locations. The results given in the audit report include data from time periods when the WD deviated from the ideal by more than 15°. If these invalid data are removed from the data set, the data are as shown in the following table:

Audit Gas Release Point	Number of Avg. Emission valid data points Rate (g/sec)		% Recovery	
Center	5	0.49	98	
SE	8	0.48	96	
sw	0	n/a		
NE	6	8.7	1,700	
NW	4	1.5	300	

It was expected that individual data points would show variability, so the QAPP required that, for the routine measurements, at least 10 valid data points be collected and averaged. The audit yielded somewhat smaller data sets for each location. The comparison of the average emission rate is the key; the % recovery for individual data points is not significant except as a measure of variability. Excellent agreement was found for both the center release point and for the SE release at the far upwind edge of the lagoon. Unfortunately, no valid data were collected for the release of audit gas from the SW point.

The audit gas release closest to the FTIR beam (i.e., the NE and NW release points) yielded a large, positive bias. At first glance, this is counterintuitive. Any bias would be expected to be negative. Any release of a non-buoyant plume from the close edge of the lagoon would be more likely to pass under the beam and yield small recoveries (i.e., a negative bias) than to somehow be concentrated upon the beam.

An area source such as a lagoon has a non-buoyant plume. In other words, the emitted gases are at the same temperature as the ambient air and the plume has no initial vertical momentum, as opposed to the release of hot gases from a combustion source. To simulate this type of plume, Radian's tracer release system consisted of a series of release points that were close to ground level and had the gas release parallel to the ground to avoid any

vertical momentum. The release of the audit gas, however, was an upwards-pointing cone. This type of tracer release is frequently used by experienced staff, but this type of release does give the audit gas a vertical momentum. The potential for this to cause a problem was not noted by any of the parties in the field. For the release points more than 50m from the FTIR beam, this type of release did not make any difference - the plume traveled a sufficient distance to become dispersed vertically and horizontally to the same extent as the gases emitted from the lagoon. This is a commonly observed phenomenon - at a sufficient distance a point source and an area source yield equivalent dispersion. Such is not the case, however, for close-in distances. For the two closer release points, the vertical momentum of the audit gas caused it to not be representative of a non-buoyant source. The plume did not disperse to the same extent as the gases emitted by the lagoon. Therefore, the performance audit did not yield valid data for the two release points close to the FTIR beam because it did not adequately simulate the actual emission source. A rough analogy is to think of trying to measure relative humidity with a water hose dousing the sensor. It is certainly possible that some other factor caused the large, positive bias, but the nature of the tracer gas release seems the most likely cause.

TECHNICAL REPORT DATA (Please read Instructions on the reverse before completing)				
3. RECIPIENT'S ACCESSION NO.				
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15. SUPPLEMENTARY NOTES APPCD project officer is Susan A. Thorneloe, Mail Drop 63, 919/541-2709.

16. ABSTRACT The report gives results of field testing to develop more reliable greenhouse gas (GHG) emission estimates for Wastewater treatment (WWT) lagoons. (NOTE: Estimates are available for the amount of methane (CH4) emitted from certain types of waste facilities, but there is not adequate field measurement data to validate these estimates.) Field tests of emissions were conducted for WWT lagoons that use anaerobic processes to treat large volumes of wastewater with large biological oxygen demand (BOD) loadings. Air emissions and wastewater were measured at anaerobic lagoons at three meat processing plants and two publicly owned treatment works. The overall emission rates of CH4, carbon dioxide, carbon monoxide, nitrous oxide, ammonia (NH3), and chlorofluorocarbons were measured from each source using an open-path monitoring approach. The emitted compounds were identified and quantified by Fourier-Transform Infrared spectroscopy. Emission factors were developed for CH4 and NH3 as a function of the plant production rate, wastewater parameters (e.g., influent BOD and chemical oxygen demand (COD) loadings), and WWT system performance (e.g., BOD and COD removal rates). GHGs are produced from the anaerobic decomposition of waste in landfills, septic sewage systems, and WWT facilities.

17. KEY WORDS AND DOCUMENT ANALYSIS					
a. DESCRIPTORS		b.IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group		
-		Pollution Control Stationary Sources	13B 07C 07B 06H 04A 13H 14G		
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