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EMISSIONS DATA FROM TWO LAYER HOUSES IN CALIFORNIA

Final Report for Site CA2B

of the

National Air Emissions Monitoring Study

Submitted to

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1. INTRODUCTION AND OBJECTIVES

1.1. Overview of NAEMS

The primary goals of the National Air Emissions Monitoring Study (NAEMS) were to: 1) quantify aerial pollutant emissions from dairy, pork, egg, and broiler production facilities, 2) provide reliable data for developing and validating emissions models for livestock and poultry production and for comparison with government regulatory thresholds, and 3) promote a national consensus on methods and procedures for measuring emissions from livestock operations. Emissions measurements were conducted at a total of 15 different barn monitoring sites and ten open source sites in the continental US.

The NAEMS was managed by Purdue University, in its role as Independent Monitoring Contractor to the Agricultural Air Research Council. Purdue selected equipment and methods in consultation with the U.S. EPA, and subcontracted with other universities to operate the monitoring sites. The University of California-Davis (UCD) installed, maintained, and calibrated equipment, collected samples, and conducted all other on-site activities. Purdue provided rapid feedback (generally within 2-4 business days) to catch aberrations in the data, and later conducted final processing of the data. Both UCD and Purdue participated in reviews of the analyzed data.

The overall objective of this report is to present the quality-assured measurements of ammonia (NH_3), hydrogen sulfide (H_2S), particulate matter (PM) and volatile organic compounds (VOC) from two high-rise houses at a California egg layer facility. The specific objectives of the report are to:

1. Describe the farm, and the monitored buildings,
2. Describe the monitoring methods and quality assurance, and
3. Present tabulated daily averages of emissions.

2. CONFINED ANIMAL FEEDING OPERATION

2.1. Farm

This California egg layer ranch (CA2B) consisted of 24 layer houses. The six houses in the three southeast high-rise houses of the ranch participating in the monitoring study (Figure 1) contained 38,000 hens each and were constructed in 2003. There were dairies within 1.6 km to the south and west of the ranch. In addition to the other houses in the complex, there was a temporary storage lagoon for wastewater from the egg-washing process. Land owned by other producers came to within 30 m of the houses, and received manure from other sources.

The houses were mechanically ventilated under the control of a computerized environmental system. Manure was stored inside the houses on the first floor.

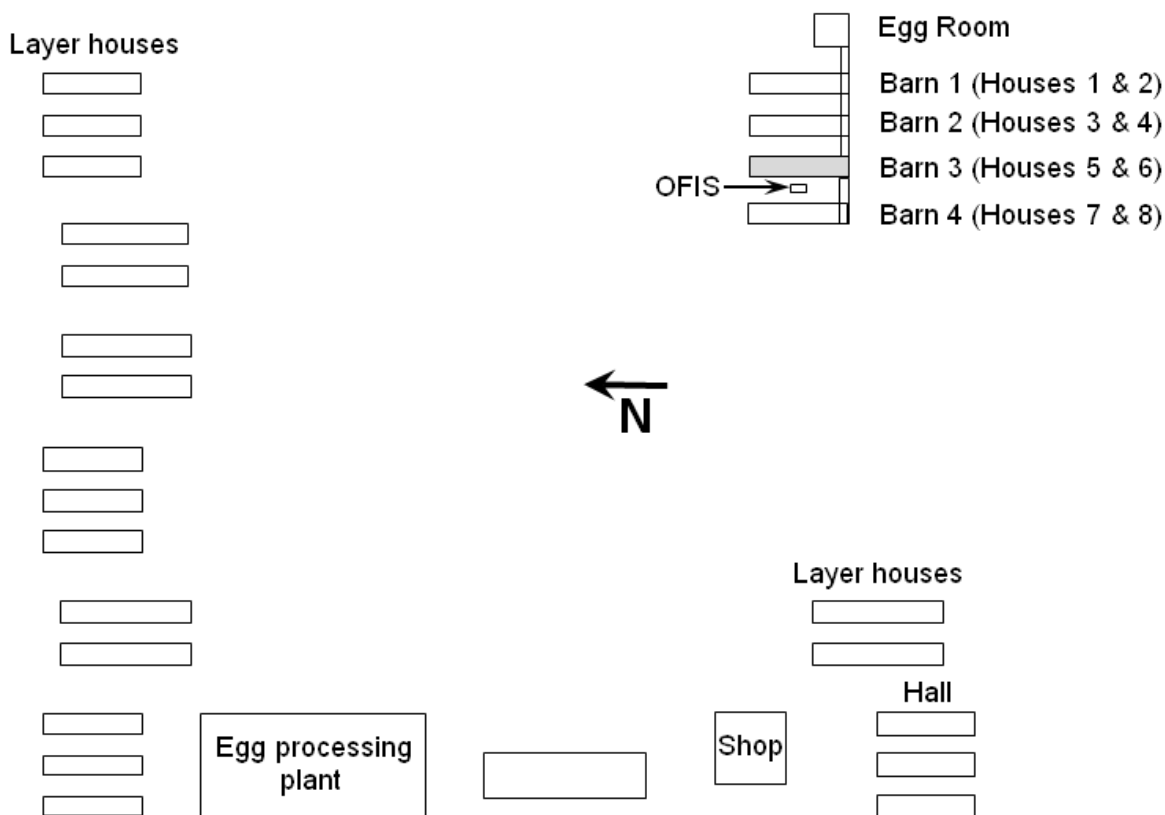


Figure 1. Facility layout. Monitored buildings were houses 5 and 6.

2.2. Monitored Buildings

Houses 5 and 6 (H5 and H6) were oriented north-south with 20 m spacing between them. Each high-rise house was 129 m x 15 m, and was “double-wide” - comprised of two distinct houses, which were separated by a central wall, such that each house was ventilated separately. Each house had a sidewall height of 6.7 m and contained 38,000 hens in two rows of A-Valco cages (5 tiers high) in the upper floor. Production of “Eggland’s Best” eggs took place during part of each cycle. The house environmental control systems recorded static pressure, house temperature and humidity, water consumption, egg production, and outside temperature every 10 min. Mistlers were used to cool air during periods of hot weather. Birds were raised in low-density conditions (160 cm²/bird), and were molted according to standard industry practice. Bird genetics at the facility were Lohman LSL Lite. The cage lights were shut off for 8 h each night. Egg production was recorded automatically, and water consumption was monitored by checking water meters; both of these were done on a daily basis. Feed consumption was visually checked daily. The producer weighed four cages of birds once weekly for an overall house average weight.

The water supply, which was obtained from three wells, was analyzed for bacteria annually. A standby generator was used to power critical systems during power outages. Eggs were removed on conveyors to an egg room for holding. The eggs were moved daily by truck to the egg processing plant, which served the entire facility. The egg processing plant was located northwest of the particular portion of the facility that had been chosen for monitoring.

Ventilation air entered the second floor through a row of vertically-opening air doors, which were located near the roof edge, such that each house had one row of inlets. The doors were

controlled based on building static pressure. There were ten, 122-cm diameter exhaust fans (Aerotech Advantage) and two, 91-cm diameter belt driven exhaust fans (Airstream) distributed along the outer sidewall of each house; thus, there were a total of 12 fans per house. Fans 6 and 7 in each house were the 91-cm fans, were spaced 4.9 m apart and were 0.9 m off the ground. The other fans were 122-cm diameter with 746-W, 3-phase motors (Part No. FM102G, Model BVL 56T17T5522FP), were spaced 12.2 m apart, and were 0.02 m off the ground. There was 0.6 m between the 91 cm and 122 cm fans. Each house had three temperature sensors and was ventilated in nine stages (Table 1). The first through fourth and sixth through eighth stages added a single fan, while stages five and nine each activated two additional fans.

Table 1. Stage assignments for fans.

Stage	Quantity	Fan ID
1	2	6,7
2	2+1=3	6,7, <u>2</u>
3	3+1=4	6,7,2, <u>10</u>
4	4+1=5	6,7,2,10, <u>4</u>
5	5+1=6	6,7,2,10,4, <u>12</u>
6	6+1=7	6,7,2,10,4,12, <u>8</u>
7	7+1=8	6,7,2,10,4,12,8, <u>1</u>
8	8+2=10	6,7,2,10,4,12,8,1, <u>3,11</u>
9	10+2=12	6,7,2,10,4,12,8,1,9, 3,11, <u>5,9</u>

Twice a week, the aisles were swept with a push broom. Occasionally, a blower was used to clean the rooms. Manure was scraped off dropping boards under the cages into the first floor, where it was stored for six to eight months.

2.3. Significant Events and Modifications

There were no significant weather events during the monitoring period.

The site management changed in November 2008; however, the original manager continued to be involved with the monitoring study in his new role with the farm.

In March 2008, a new house was constructed to the west of the monitored house 3. This resulted in occasionally higher than normal ambient particulate matter concentrations.

The ventilation scheme remained the same throughout the study. With the aid of monitored variables, site personnel alerted farm personnel or performed belt replacements on fans when fan speeds decreased or fan operation did not follow the ventilation scheme.

The birds were removed from H5 on 6/3/08 and 6/4/08 and replaced with a new flock on 6/27/08. Similarly, the birds were removed from H6 on 8/28/08 and 8/29/08 and replaced with a new flock of different genetics (Hyline W98) on 9/22/08. There were molting periods and feed consumption was reduced in H5 between 1/5/08 and 2/9/08, and between 5/9/09 and 6/6/09, and between 3/22/08 and 4/26/08 in H6.

Manure was removed from H5 and H6 on 10/19/07, 12/12/07, 3/4/08, 5/22/08, 2/10/09 and 8/21/09. On 8/21/08, only H5 was cleaned out. Manure was also removed from the houses and the houses cleaned between flocks on 6/6/08 for H5 and 9/8/08 for H6.

3. MONITORING AND SAMPLING METHODS

3.1. General Approach

Equipment installation and preliminary testing began on 6/25/07 and was completed on 10/16/07. The site setup and equipment installation followed an approved site monitoring plan, a quality assurance project plan, and instrument or method-specific standard operating procedures.

The monitoring period began on 10/17/07 and concluded on 10/31/09. Target pollutants for this site were NH₃, H₂S, PM (PM₁₀, TSP, and PM_{2.5}), and VOC. Appendix A lists the target pollutants, and all measured supporting variables and metadata monitored at the site. The monitoring schemes for the two structures are shown in Figure 2. Appendix B lists the major equipment used at the site, including the model, manufacturer and instrument specifications.

Table 2. Major instrumentation.

Analyzer/Instrument	Serial number
INNOVA 1412 Multi-gas analyzer	710-299
TEI 450i H ₂ S analyzer	709220672
EnviroNics 4040 dilutor	3913
TEOM 1 (house 1)	264700612
TEOM 2 (house 2)	265010701
TEI FH 62C14 (Beta Gauge)	E-1305

3.2. Instrument Shelter

The on-farm instrument shelter (OFIS) was located west of building 3, between fans 6 and 7 of house 6 (Figure 2). A heated raceway was set up between the OFIS and house 6 to protect the sampling lines, and to avoid condensation inside the sampling tubing where it was exposed to ambient temperatures. The raceway temperatures were monitored continuously.

The OFIS was supplied with 3-wire, single-phase, 120/240 volt, 100 A at 240 V power by the farm and connected to the external pullout switch at the OFIS. A copper ground rod was installed at the location of the OFIS and connected to the OFIS ground. The HVAC system of the OFIS maintained inside temperatures within the operating range for the analyzers, and created a positive pressure with a filtered outside air intake to minimize entry of unfiltered outside air. The temperature and differential static pressure in the OFIS were monitored with a thermocouple near the instrument rack and a pressure sensor. One set of gas analyzers in the OFIS measured gas concentrations as the gas sampling system (GSS) sequenced through all the gas sampling locations (GSLs). A personal computer collected all site monitoring data using a data acquisition and control program AirDAC.

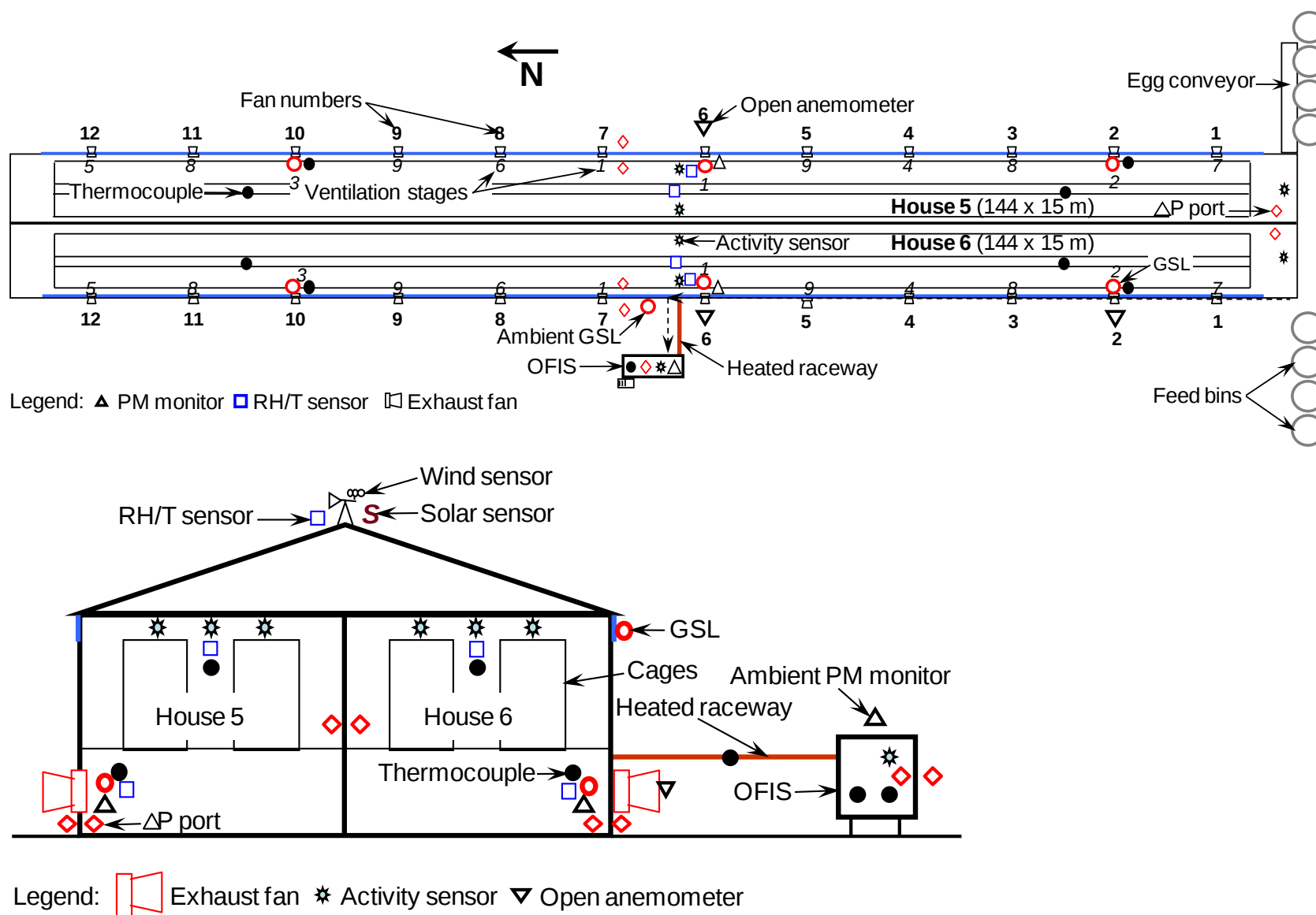


Figure 2. Overhead and endwall view of sensor and air sampling locations at the building monitoring site.

3.3. Data Acquisition and Control System

The data acquisition and control system consisted of a personal computer, custom software (AirDAC) written in a commercial programming language (LabVIEW, National Instruments, Austin, TX), distributed I/O hardware (National Instruments FieldPoint modules), and Universal Serial Bus (USB) devices by National Instrument (NI) and Measurement Computing (MC, Norton, MA). The NI FieldPoint (FP) modules and MC USB devices (Table 3) were selected and configured to acquire data for all the on-line measurement variables (Appendix A).

The 16-channel NI FP-DO-401 digital output module was used to control: 1) sequential switching of multiple gas sampling lines, 2) the raceway heating system, and 3) the GSS cooling fan. Serial communication (RS232) was used to acquire data from the multi-gas monitor and calibration variables (calibration time, gas concentration, etc.) from the gas diluter. Voltage or current analog signals from various analyzers and sensors were connected to FP-AI-112 modules. Type T thermocouples were connected to FP-TC-120 modules. Digital signals from relays were connected to the MC USB DIO96H device. Voltage pulses from proximity sensors used to measure fan rotational speed were detected by the MC USB 4303 Counter.

Table 3. Data acquisition hardware configuration for CA2B.

Manufacturer and model	I/O type	# units	# channels/unit	Notes
NI FP-AI-112	Analog input	3	16	Single-ended, 16-bit
NI FP-TC-120	Thermocouple	2	8	
NI FP-DO-401	Digital output	1	16	2 A at 10-30 VDC
MC-USB 4303 counter	Count input	3	10	
MC USB DIO 96H	Digital input	1	96	

AirDAC averaged the signals (after conversion to engineering units) over 15-s and 60-s intervals and recorded the means into two separate computer files. All real-time data were displayed in tabular and graphic forms for on-site or remote (pcAnywhere, Symantec, Mountain View, CA) viewing (Ni et al., 2009; Ni and Heber, 2010). Measurement alarms, data collection notifications, data files, graphs and statistics of the daily data sets, and modified configuration and fieldnote files were automatically emailed to several recipients after midnight.

3.4. Monitoring and Recording Farm and Building Operations

3.4.1. Animal Husbandry and Building Systems

Infrared motion sensors (activity sensors) were positioned on the support posts between the cage tiers to monitor movement of birds and workers in the houses. An activity sensor was used to monitor researcher presence in the OFIS.

Weekly layer inventories, egg production, feed and water consumption, egg production and characteristics and bird mass data were collected from the farm's computer system.

Relays that controlled feeders, lights, manure scrapers, cool cells and air inlets were monitored using auxiliary contacts in 5-VDC circuits in conjunction with digital input channels. Relay

signal monitoring was facilitated through a signal transfer box provided by the farm, located on the outside west wall, close to the raceway entrance to the house.

3.4.2. Thermal Environment

Weather data was collected using a solar radiation shielded capacitance-type relative humidity and temperature probe (RH/T) (Model RHT-WM, Novus Automation, Porto Alegre, Brazil), a pyranometer (Model LI-200SL, LI-COR, Lincoln, NE) and a cup anemometer (Wind Sentry, RM Young, Traverse City, MI), which were attached to the roof tower mounted on house 3.

For the building environment conditions, RH/T probes were located at fan 6 and in one cage in each house. Thermocouples were used to measure temperatures at fans 2 and 10 in each house, an emptied cage in the middle of each environmental control zone of each house, and the heated raceway.

3.4.3. Building Airflow

Fan rotational speed and operational status was monitored using magnetic Hall-effect sensors (speed sensors), which were mounted on all fans in both houses. The speed sensors were mounted to detect the rotational speed in revolutions per minute (rpm) of either the fan shaft or the fan pulley. The digital signal from the speed sensor was converted into a frequency measurement with a counter module in the data acquisition system.

Differential static pressure was measured across the east and west sidewalls of house 3 with differential static pressure sensors (Model 260, Setra Systems, Boxborough, MA). The inside and outside ports were located against the inside and outside walls, respectively near fan 6.

Impeller anemometers (Model 27106RS, RM Young, Traverse City, MI) were installed in the outlet of fan 6 in each house, and fan 2 in H6.

In-situ airflow measurements were conducted with a 122-cm field-portable fan tester (Fan Assessment Numeration System or FANS, University of Kentucky, Lexington, KY), which was described by Gates et al. (2004). The field data was used to develop equations that would calculate airflow as a function of differential pressure and fan rotational speed, and to assess the uncertainty in airflow predictions.

A total of 92 in-situ fan tests with replication were conducted during March, 2008, and August and October, 2009. Each fan was tested at least once during each testing period.

The airflow curves of the large (Model AT481Z1, Aerotech, Mason, MI) and small (Model AT36Z1, Aerotech, Mason, MI) fans were obtained from the Bioenvironmental and Structural Systems (BESS) Lab at the University of Illinois at Urbana-Champaign (BESS, 1992; BESS, 1996). Each performance record consisted of airflow (Q_1) measured at several static pressures (P_1), and at a relatively constant speeds ($N_1 = 574$ and 838 rpm for large and small fans, respectively).

For each fan type, the BESS fan curve was adjusted to the mean speed (N_2) of the fan tests. The mean speeds were 547 and 828 rpm for fan types 1 and 2, respectively. The new, speed-indexed baseline curves were derived using the first ($Q_2 = Q_1(N_2/N_1)$) and second ($\Delta P_2 = \Delta P_1(N_2/N_1)^{0.5}$) fan laws, where Q_2 is the speed-adjusted BESS fan curve at speed N_2 . The speed-corrected airflow prediction model is $Q_4 = (a\Delta P_4 + b) \cdot (N_4/N_2) \cdot Q_2$, where ΔP_4 and N_4 are measured fan static pressure and speed. For a given test using the portable tester, the model is $Q_4 = (a \cdot \Delta P_3 + b) \cdot (N_3/N_2) \cdot Q_2$, where ΔP_3 and N_3 are the measured fan static pressure and speed during the fan

test, and the fan degradation factor $k = a \cdot \Delta P_3 + b$. The values for the coefficients a and b were those which minimized the sum of square differences between Q_4 and Q_3 for all the valid fan tests within a speed regime. The resulting fan models are shown in Table 4.

Table 4. Fan airflow models.

Fan type	Reference speed (N ₂)	Polynomial coefficients of $Q_2=f(\Delta P_2)$ at N ₂				Coefficients of k	
		a3	a2	a1	a0	b1	b0
Large	547	1.60E-05	6.11E-04	6.30E-02	1.12E+01	3.41E-03	9.37E-01
Small	828	7.00E-06	2.43E-04	3.14E-02	5.82E+00	2.62E-03	8.22E-01

Fans were assigned to a sampling stream based on their proximity to the three sampling locations in each house. For each house, fans 1 to 3 constituted Stream 1, fans 4 to 8 made up Stream 2, and Stream 3 was fans 9 to 12. The airflow for each stream was calculated by summing the individual airflows for all fans in the stream.

3.4.4. Biomaterials Sampling Methods and Schedule

All analyses of biomaterials were performed by an independent laboratory (Midwest Laboratories, Omaha, NE).

Water was evaluated based on total N and sulfur analyses of two samples collected on 5/7/09.

Feed samples were collected in duplicate or triplicate from each house annually and analyzed for nitrogen and solids in 2008 and nitrogen and ash in 2009. Similarly, egg samples were collected (single sample in 2008 and triplicate samples per house in 2009) and analyzed with the same tests as the feed.

The manure was collected in two, triangular-shaped piles in the first floor of each house, under the cages on the second floor. Each pile was 115 m long. Twelve “surface manure samples” were collected from each house during each sampling period. The piles were first divided into four sections along the length of each house, and each section was further divided into 10 subsections and referred to as a unit. Each unit of a pile was composed of five cells (bottom third on each side, middle third on each side, and the top third), for a total of 100 possible sampling locations per section. During each sampling period, 10 samples of equal weight were randomly taken from 10 randomly-selected surface cells in each section and mixed thoroughly, followed by three samples taken from this mixture as representative samples from the section. From each house, 12 samples (three samples each from four sections) were therefore taken. Surface manure samples were analyzed for total solids, ammonia and pH. “Loadout manure samples” were taken from random locations in the manure piles outside of each house during a manure loadout procedure, approximately every six months. Twelve samples were collected for each house. Loadout manure samples were analyzed for total Kjeldahl-Nitrogen (TKN by combustion) and total solids, and ash and nitrate periodically. The annual manure volume was obtained from the producer. A volume measurement was also performed by site personnel prior to the manure loadout in February 2009, in conjunction with density measurements. Five samples of equal volume (20.7 L) were weighed for each house and the manure density calculated.

3.5. Particulate Matter Monitoring

Real-time PM monitors (TEOM Model 1400a, Thermo Fisher Scientific, Waltham, MA) were located immediately upstream of fan 6 in each house to continuously measure exhaust PM. Fan 6

in each house was referred to as the primary representative exhaust fan (PREF). The TEOM sensor was protected by a vertical 1.3-m high plywood wall, which was constructed parallel to the manure windrow, and approximately 1.3-m from the outside wall.

A beta attenuation PM monitor (Beta Gage Model FH62C-14, Thermo Fisher Scientific, Franklin, MA) continuously measured house inlet PM concentration. The inlet Pm monitor was located in the OFIS, with the inlet sampling tube extending 1.8 m through and above the OFIS roof. Infrequent vehicle traffic west of house 3, construction activity in Spring of 2008, and cropping activity in the adjacent fields could have caused “spikes” of measured inlet PM.

At any one time, the sampled PM size class was either PM₁₀, PM_{2.5} or TSP at both TEOMs and the Beta Gage. The PM_{2.5} size class was measured in January and July, 2008, and January, 2009 for 15 to 19 d each time (Table 5). The TSP inlet heads were placed on the TEOMs for six, 7-13 d periods. The PM₁₀ concentration was measured at all other times.

Table 5. Sampling periods for PM₁₀, TSP and PM_{2.5}.

Time and day, m/d/y		Test duration, d		
Start	Stop	PM ₁₀	TSP	PM _{2.5}
10/17/07	12/14/07	58.6		
12/14/07	12/21/07		7.0	
12/21/07	1/7/08	16.9		
1/7/08	1/23/08			15.9
1/23/08	3/14/08	51.0		
3/14/08	3/21/08		7.0	
3/21/08	5/20/08	60.0		
5/20/08	5/27/08		6.9	
5/27/08	7/7/08	40.9		
7/7/08	7/22/08			14.9
7/22/08	9/19/08	59.0		
9/19/08	9/29/08		10.1	
9/29/08	1/9/09	102.1		
1/9/09	1/28/09			18.9
1/28/09	4/14/09	75.9		
4/14/09	4/22/09		7.9	
4/22/09	7/9/09	78.1		
7/9/09	7/10/09		0.9	
7/10/09	7/29/09	18.9		
7/29/09	8/11/09		12.9	
8/11/09	10/16/09	65.5		
Totals		626.7	52.8	49.7

3.6. Continuous Gas Sampling and Monitoring

Air samples for continuous gas measurements were collected from multiple gas sampling probes with a custom-designed GSS. Each probe was connected to the GSS with Teflon tubing. Tubular raceways between the OFIS and the monitored buildings protected the sampling lines and data

signal cables. The sampling lines were wrapped with insulation and heated inside the raceways and at other locations vulnerable to cold air to prevent condensation inside the tubes.

Three gas sampling probes were placed in each house, 0.5 m in front of the exhaust fans at a height equal to the fan hubs. One gas sampling probe (A) was located in front of the inlet of fan 6. Sampling probes B and C were located in front of fans 2 and 10 (Table 6). The inlet air sampling location was near the eave inlet of house 6, midway between fans 6 and 7. There was no permanent outdoor manure storage to contribute to inlet concentration, although there was manure stored on-site for up to two months on occasion. Thus, the only permanent significant source of contaminants to the inlet were expected to be the other houses directly to the north (houses 1 and 2, and the north half of house 3), and, potentially, the storage lagoon for egg wash water, to the southwest. However, since the winds did not prevail from the southwest all during the year, contributions from this last source was minimal. West winds, which prevailed during parts of the year brought contaminants from fan 7 and, to a lesser extent, the other fans on the southwest portion of the house.

Each exhaust location was sampled individually for 10 min. The ventilation inlet location was monitored at least twice daily, originally with a 10-min sampling period. The inlet sampling period was therefore increased to 20 min on 11/3/07. In January, 2008, gas concentration data at each sampling location was studied to determine whether equilibrium occurred within the sampling periods. A statistical analysis confirmed that 10 min was sufficient for the exhaust GSLs, but that 20 to 30 min was required for the house inlet. The inlet sampling period was therefore increased to 30 min on 1/22/08.

Table 6. Analyte sampling locations.

Analyte	House	Sampling Location*	#Qty
NH ₃ , H ₂ S, CO ₂	5, 6	GSL-A: 0.5 m in front of inlet to fan 6	2
	5, 6	GSL-B: 0.5 m in front of inlet to fan 2	2
	5, 6	GSL-C: 0.5 m in front of inlet to fan 10	2
	5, 6	Inlet: ≤0.5 m away from the eave inlet on the west wall of house 3 (house 6), at the midpoint between fans 6 and 7	1
PM _{2.5} , PM ₁₀ , TSP	5, 6	TEOM located 2 m in front of inlet of fan 6	2
	5, 6	Inlet: 1.8 m above of roof of the OFIS	1
VOC	5, 6	0.5 m in front of inlet to fan 6	2

*Gas sampling probes will be located at fan hub height, suspended from the ceiling.

One set of gas analyzers in the OFIS was used to sequence through all the GSLs. Hydrogen sulfide was measured with a fluorescence H₂S analyzer (Model 450i, Thermo Fisher Scientific, Waltham, MA). Concentrations of NH₃ and CO₂ were measured with a photoacoustic infrared multi-gas monitor (INNOVA Model 1412, LumaSense Technologies, Ballerup, Denmark).

3.7. VOC Sampling

Grab samples of VOC were collected at the PREFs (fan 6 in each house) (Table 6), using methodology based on methods TO-15 and TO-16. Sampling was conducted with 6-L stainless-steel canisters (TO-Can, Restek Corp, Bellefonte, PA), equipped with ¼" bellows valves (Swagelok SS4H) and 207-kPa vacuum gauges. Sampling trains contained flow controllers (Veriflo Model 423XL, Parker-Hannifin Corp., Richmond, CA) with 2- to 4-sccm critical

orifices and 7- μ m in-line stainless steel filters. Flow controllers were pre-set to a constant flow rate of 3.4 mL/min. Canister sampling was conducted for 24 h, and canister pressures were recorded at the beginning and end of the sampling periods for the calculation of total sample volumes. Sampling was conducted seven times between 6/9/09 and 11/18/09, with duplicate samples typically collected at each location. All canisters were cleaned and passed QC before sample collection.

Canister samples were analyzed at Purdue University's Trace Contaminant Laboratory. The canisters were pressurized to +207 kPa with ultrapure N₂, and transferred to TDS tubes (Carbotrap 300, Supelco, Bellefonte, PA). The pressurized canisters initially yielded sample flows of 50 mL·min⁻¹ during sample transfer to tubes. Canister heating was introduced when a canister pressure decreased to 13.8 kPa to ensure maximal transfer of nonvolatile components.

Samples were analyzed on a thermodesorption-gas chromatograph-mass spectrometer (TDS-GC-MS), consisting of a gas chromatograph (Model 6890, Agilent Technologies, Palo Alto, CA) coupled with a Model 5795 mass spectrometer detector (Agilent Model 5795) and equipped with a thermal desorption system (Model TDS-G, Gerstel, Baltimore, MD) and a cooled injection system (Gerstel CIS). The GC-MS passed a leak check prior to analyzing each set of samples. Compounds were separated on a 60 m x 0.25 mm x 1 μ m column. The detector utilized the full scan mode covering masses from 27-270 Daltons in 8 scans/s. The MS quad hold temperature was 150°C, and the MS source hold temperature was 230°C. The analytical results were analyzed by ChemStation, and all integrations were manually checked. This method used an external standard compound for instrument monitoring and QA to avoid losses of low-molecular-weight analytes that would occur when purging solvent used with internal standard(s). All TDS tubes were cleaned with a tube conditioning system (Gerstel TC-2 TDS) for 3.5 h at 350°C prior to each use.

Response curves were generated at both the beginning and the end of the VOC analysis period. The response curves of all chemical standards reach good linearity as 55% of the response curves had $R^2 > 99\%$ and over 98% had $R^2 > 95\%$. Toluene was used as an external standard that was analyzed during each batch of samples to assure quality. The relative bias and standard deviation of 97 toluene checks were -4.3% and 18.8%, respectively. The uncertainty of the mean of duplicate field samples was calculated as 27%, based on the toluene checks.

3.8. Documentation of Quality Assurance

3.8.1. Oversight, Maintenance, and Calibration

University of California personnel visited the site frequently during the first few months of the study; that frequency declined as site operation became more routine. A total of 84 and 61 visits (expressed as person-days) were made during years 1 and 2 of the monitoring period. There were also 13 and 19 remote visits made during years 1 and 2, respectively. Data files and correspondence were emailed from the site computer on a daily basis.

The NAEMS Science Advisor audited the site on 10/30/07. The Environmental Protection Agency (EPA) conducted site audits on 3/17/09 and 10/1/09.

Various site maintenance and calibration activities were conducted by site personnel (Appendix B). Specific quality assurance tests of the GSS, gas analyzers and other sensors are discussed below.

3.8.2. Gas Sampling System

Two types of GSS leak tests were conducted. The first test examined GSS integrity, by briefly creating a “dead head” against the pump by closing all solenoid valves, while measuring exhaust airflow with a portable rotameter, and recording the leakage flow with the GSS mass flow meter. The second test consisted of monitoring GSS flow and pressure after manually setting AirDAC to sample from a particular GSL and plugging the GSL’s gas sampling probe, which created a GSS manifold vacuum of about -70,000 Pa. Preliminary tests indicated that GSS flows under dead-head conditions that were 10% or less ($<0.4 \text{ L} \cdot \text{min}^{-1}$) of the normal GSS flow rate of 4 L/min was indicative of leak-free operation under normal GSS manifold vacuums of -3,000 to -8,000 Pa. Leak tests of the GSS were conducted on 10/2/07, 10/25/08, 10/30/08, 11/6/08, 12/9/08, 12/30/08, 1/17/09, 2/10/09, 3/10/09, 4/22/09, 8/22/09, 10/3/09 and 10/15/09. The dead-head leakage flows were evaluated against the $0.4 \text{ L} \cdot \text{min}^{-1}$ threshold, and the sampling system components repaired if a leak was detected. Systematic checking of individual sampling lines was conducted on 10/3/07, 10/25/08, 1/17/09, 9/4/09 and 10/3/09, while checks of some lines were conducted more frequently. Data was only invalidated when leaks occurred away from the sampling location. If gas sampling probe filter maintenance eliminated a leak, no data was invalidated since leakage air would be the same as sampled air.

3.8.3. Gas analyzers

Gas measurements were evaluated using multipoint calibrations and zero and span checks (Appendix C). The gas concentration data output by the analyzers was adjusted to correct for bias introduced by the gas sampling and measurement system.

3.8.3.1. *Correction of Ammonia Concentrations*

A multipoint calibration (MPC) was conducted through the challenge line nine times using purified air (Cat. # AIO.OCE-T, CEM zero-grade, Praxair, Indianapolis, IN) and three (typical) span concentrations of NH_3 (Cat. # NI-AM5MP-AS, Praxair Primary Standard). Except for the MPCs on 10/12/07, 12/18/07 and 1/23/08, each MPC was conducted with replication (Table 7). The NH_3 was delivered using a 6-port gas dilutor (Model 4040, Environics, Tolland, CT). The R^2 values of each MPC exceeded 0.98, indicating linearity of instrument response to standard gas between 0 and 150 ppm.

Table 7. Multipoint calibration record and results for the NH_3 measurements.

Date	# of points	Span concentration, ppm		R^2
		Minimum	Maximum	
10/12/07	3	20	40	0.9989
12/18/07	4	25	75	0.9997
1/23/08	4	25	75	0.9998
8/22/08	4	25	75	0.9960
8/25/08	4	12	18	0.9802
9/9/08	4	12	18	0.9960
5/29/09	4	33	100	0.9979
5/29/09	2	-	33	0.9988
10/15/09	4	50	150	0.9995

Precision checks were conducted periodically using zero and span gases (Z/S checks), delivered via the dilutor through the challenge line, and responses were recorded to monitor changes in system performance over time. Span checks were conducted with span gas between 20 and 100 ppm of NH₃; the concentration was adjusted to suit the change in measured concentrations with different seasons.

Significant downtime occurred due to instrument repair 2/8/08 to 2/27/08, 3/10/08 to 3/31/08 and from 3/27/09 to 4/14/09.

The average response of the analyzer to the zero and span gas applications was assessed, and the results were combined based on changes to the instrument or gas sampling system to create linear correction models (Table 8). The models were used to correct instrument readout data. The measurement accuracy was assessed based on model-corrected zero and span checks (Table 8).

Table 8. Concentration correction and measurement accuracy for ammonia.

Start/end dates	# of checks		Linear model	Accuracy, % of Span			
	Zero	Span		Bias		Precision	
				z	s	z	s
10/12/07-2/6/08	10	13	$y = 1.116(x-0.644)$	-0.6	0.4	1.0	3.5
3/7/08-9/30/08	16	18	$y = 1.135(x-0.257)$	-0.2	-0.8	0.4	10.8
10/15/08-11/26/08	6	5	$y = 1.301(x-0.862)$	-0.5	3.5	0.4	5.2
12/9/08-3/10/09	7	9	$y = 1.141(x-0.678)$	0.0	1.2	0.3	2.5
3/10/09-3/19/09	2	3	$y = 1.364(x-0.126)$	0.0	1.4	0.0	2.5
3/19/09-11/15/09	11	12	$y = 1.182(x-0.076)$	-0.1	0.9	0.2	5.7

3.8.3.2. *Correction of Hydrogen Sulfide Concentrations*

An MPC was conducted through the challenge line seven times using purified air (Cat. # AIO.OCE-T, Praxair CEM zero air) and three or four span concentrations (Cat. # NI-HSR1E-AS, Praxair EPA Protocol Standard). Except for the first two MPCs, each MPC was conducted with replication (Table 9). The H₂S was delivered using a 6-port dilutor (Model 040, Environics, Tolland, CT). The R² values of each MPC exceeded 0.998, indicating excellent linearity of instrument response to standard gas between 0 and 1800 ppb.

Table 9. Multipoint calibration record and results for the H₂S measurements.

Date	# of points	Span Concentration, ppb		R ²
		Minimum	Maximum	
10/15/07	4	500	1800	0.9999
12/14/07	4	598	1791	0.9998
6/6/08	4	598	1794	0.9998
8/26/08	4	595	1788	0.9998
11/13/08	4	89	179	0.9997
12/9/08	4	89	179	0.9981
10/15/09, 10/26/09	4	149	459/447	0.9994

Precision checks were conducted periodically (Table 10) using zero gas and span gases (Z/S checks), delivered via the dilutor through the challenge line, and responses were recorded to

monitor changes in system performance over time. Span checks were conducted with 400 or 500 ppb of H₂S (Appendix C).

The average response of the analyzer to the zero and span gas applications was assessed, and the results were combined based on changes to the instrument or GSS to create linear correction models (Table 10). The models were used to correct instrument readout data. The measurement accuracy was assessed based on model-corrected zero and span checks (Table 10).

Table 10. Concentration correction and measurement accuracy for H₂S.

Start/end dates	# of checks		Linear model	Accuracy, % of Span			
	Zero	Span		Bias		Precision	
				z	s	z	s
10/15/07-12/14/07	5	5	$y = 0.976(x-0.263)$	0.0	0.4	0.1	3.4
12/14/07-9/1/09	32	17	$y = 0.946(x-0.426)$	0.0	0.8	0.3	6.9
9/1/09-11/15/09	4	3	$y = 0.995(x-0.716)$	-0.1	0.5	0.3	2.0

3.8.3.3. *Noise Tests*

Analyzer noise tests were conducted to assess the minimum detection limit (MDL) of the gas measurements. The analyzers measured CEM zero air (Praxair Cat. # AIO.OCE-T CEM) continuously for 27 to 52 min after equilibrium of the instrument readout was reached. The MDL was calculated as three times the standard deviation of the data collected during the equilibrated period (Table 11).

Table 11. Noise test of gas analyzers with dry air on 9/11/09.

Concentration	Statistical Variable				Duration, min	T _{dew} , °C
	Min	Max	SD	MDL		
NH ₃ , ppm	-0.26	0.03	0.07	0.15	52	-55.7
CO ₂ , ppm	-36.0	-24.0	2.6	6.2	39	-58.4
H ₂ S, ppb	0.0	1.4	0.5	1.3	27	-50.8

3.8.4. *Particulate Matter Monitors*

The quality of the exhaust PM data was assessed through periodic mass verifications and flow and leak checks of the TEOMs (Table 12 and Table 13). The H5 and H6 TEOMs met or exceeded the mass verification criteria (Ko actual within $\pm 2.5\%$ of Ko audit) for each test period.

The criteria for total and main flows were 16.67 ± 1.0 and 3.0 ± 0.2 L/min, respectively, and were met on all dates except 11/4/08, 4/22/09 and 11/5/09, for the H5 TEOM. However, measurements within two days of these tests indicated appropriate flows except for 11/5/09.

Leakage criteria were total flow ≤ 0.62 L/min and main flow ≤ 0.15 L/min, respectively. All leak and flow tests of both TEOMs were acceptable on all dates except for the auxiliary flow leak test on 11/5/09. A subsequent test on the same day passed.

Mass verifications and flow calibrations of the ambient PM monitor were conducted periodically (Table 14). The mass verification criteria of $<5\%$ was met on all dates, and total flow check criteria of $<4\%$ was met on all dates except 1/9/09, but recalibration of the instrument rectified the flow.

The TEOM measurements were also evaluated based on collocated measurements () starting on 10/15/09 in H6. The differences in average PM₁₀ concentrations over the collocation periods was 5.3%. The PM₁₀ average concentrations at houses 5 and 6 were 506 and 480 µg/m³, respectively.

Table 12. Quality assurance tests of house 5 TEOM.

Date	Time since last test, d	Mass error, %	TEOM flows, L min ⁻¹		Leak test flows, L min ⁻¹	
			Main	Total	Main	Auxiliary
11/27/07		1.89	3.01	16.37	0.03	0.08
5/27/08	182	0.56	3.13	17.02	0.03	0.07
11/4/08	161	0.59	3.74	17.56	0.02	0.03
11/6/08	2		3.08	16.74		
2/10/09	96		3.08	17.66		
4/22/09	71		3.59	15.32		
4/22/09	0		2.99	19.73		
5/7/09	15		3.10	18.65		
5/7/09	0		3.10	16.67		
7/10/09	64	0.01	3.06	17.14	0.02	0.03
7/27/09	17				0.07	0.05
10/15/09	97		3.02	16.44	0.02	0.03
11/5/09	21		3.10	19.33	0.05	1.89
11/5/09	0		2.91	19.98	0.06	0.05
11/18/09	13	0.46	2.99	16.33	0.04	0.03

Table 13. Quality assurance tests of house 6 TEOM.

Date	Time since last test, d	Mass error, %	TEOM flows, L min ⁻¹		Leak test flows, L min ⁻¹	
			Main	Total	Main	Auxiliary
11/16/07		2.2	3.07	16.8	0.04	0.05
1/14/08	59		2.95	18.57	0.03	0.01
5/27/08	134		3.07	15.58	0.04	0.01
5/27/08	0	2.2				
11/4/08	161	2.5	3.04	24.59	0.03	0.01
2/10/09	98		3.07	17.11		
4/22/09	71		2.98	17.4		
5/7/09	15		3.02	17.5		
7/10/09	64	0.0	3.03	16.84	0.03	0.15
10/15/09	97		3.04	16.59	0.04	0.10
11/18/09	34		3.04	16.59	-0.04	0.10
11/18/09	0	2.0	3.04	16.77	0.10	0.10

Table 14. Ambient PM monitoring quality assurance parameters.

Date	Time since last test, d	Mass verification, %	Total flow check, %
10/23/07			9.00
10/23/07	0		0.00
11/5/08	379	0.65	
1/9/09	65		-5.5
1/9/09	0		0.6
6/10/09	152	0.65	
7/10/09	30	calibrated	0.82
8/22/09	43	-45	
8/22/09	0	calibrated	
11/16/09	86	0.5	
11/18/09	2	0	
11/18/09	0	calibrated	
11/18/09	0	1.7	

3.9. Data Analysis

3.9.1. Software

All emission data processing was conducted using custom software (CAPECAB, Fibre Recovery Systems, Inc., Calgary, AB). Data was carefully inspected and validated. If a datum was invalid for a known reason, the datum was marked (flagged) invalid and all calculations dependent on that datum were also invalid unless a substitution datum was identified. All periods of invalid data that were longer than one day are listed in Appendix D.

If the QA/QC checks described above indicated a measurement bias, the data was corrected prior to calculating emissions. The CAPECAB program provided a robust method to inspect data, invalidate if necessary, and implement various corrections over specified time periods.

3.9.2. Data substitution, validation, correction and uncertainty

3.9.2.1. Pressure

The static pressure sensor measurements were adjusted based on both multipoint calibrations performed on 10/30/07 and 5/20/08, and time-weighted average zero offsets during the interim periods (Table 15). The atmospheric pressure measurements by both TEOMs were averaged.

Table 15. Static pressure sensor zero offsets.

Sensor Location	Start/end dates	# of zero checks	Offset
H5	10/15/07-5/20/08	2	0.12
	5/20/08-11/20/09	5	-0.12
H6	10/15/07-5/20/08	2	0.00
	5/20/08-11/20/09	5	0.00

3.9.2.2. *Environmental sensors*

The average exhaust temperature for each house was the mean of the RH/T probe temperature measurement and the thermocouple measurements at fans 2 and 10.

The solar sensor signal was collocated with a reference solar sensor starting on 1/13/09 and. The solar sensor data was corrected for noise in the signal that resulted in offsets between -10 and 15 W m⁻² during the monitoring period.

3.9.2.3. *Fan operation*

The small fans ran continuously as first-stage fans. In the event a speed sensor signal was invalid for one of these small fans, 100% operational status was confirmed with the anemometer signal (if invalid signal was from fan 6), or the fan speed signal from the other small fan in the same house was substituted in the airflow calculation.

Over the monitoring period, various fan speed sensors reported invalid data. During these periods, the fan speed signal for a fan on the same stage in the same house was first consulted and substituted; if there was no fan on the same stage, the fan speed signal from the previous or next stage was substituted. Considering there were 10 large fans per house monitored for over two years, the percentage of substituted data was less than 2% for either house.

Low-level noise was filtered out by setting operational status to “off” (0%) if the average speed was less than 200 rpm for the small fans, and 84 rpm for the large fans.

3.9.2.4. *Gas concentrations*

Table 16 describes the time specified in the data processing software for gas concentration measurements to stabilize based on gas and sampling location, and the maximum interval for interpolating between two valid concentration measurements for a sampling location.

Table 16. Gas concentration data validation and interpolation requirements.

Gas	Exhaust Sampling Locations		Ambient Sampling Location	
	Equilibration period, min	Maximum interpolation interval, min	Equilibration period, min	Maximum interpolation interval, min
NH ₃	7	300	10	3000
H ₂ S	5	300	10	3000

Gas and water vapor concentrations, and sample relative humidity, temperature, pressure, flow rate, and flow direction were automatically invalidated during all gas analyzer MPCs and Z/S checks, and when sample Q < 3.5 L/min.

Gas concentration data were invalidated due to problems with the INNOVA 1412. The analyzer sustained chopper motor errors in February 2008, March 2008, and March 2009. Approximately 58 d of NH₃, CO₂ and water-vapor concentration data were lost or invalidated due to INNOVA-related issues. The TFS 450i data were invalidated between 2/10/09 and 3/10/09 when the instrument was sent to the manufacturer for repair, resulting in 30 d of invalidated H₂S data.

Gas concentration data were invalidated for a total of 10 d during two intervals in July 2008 and September 2009, because the nafion tubing was left in the gas sampling system and influenced

the gas concentration measurements, and because of a blockage in the gas sampling system flow restrictor, respectively..

Standard gas concentrations were calculated on dry and moist bases with Eqns. 3-1 and 3-2, respectively.

$$C'' = \frac{C'}{(1-W)} \quad (3-1)$$

and

$$C' = \frac{P' \cdot c \cdot M}{R \cdot (273 + T')} \quad (3-2)$$

where:

C''	Dry standard mass concentration, dry basis ($\text{mg d}^{-1}\text{sm}^3$ or $\mu\text{g d}^{-1}\text{sm}^3$)
C'	Standard mass concentration, moist-air basis ($\text{mg}\cdot\text{sm}^{-3}$ or $\mu\text{g}\cdot\text{sm}^{-3}$)
P'	Standard pressure (1 atm)
T'	Standard temperature (20°C)
c	Volumetric concentration of gas (ppm or ppb)
M	Molecular weight of gas ($\text{g}\cdot\text{mol}^{-1}$)
R	Universal Gas Constant ($0.08206 \text{ L}\cdot\text{atm}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$)
W	Humidity ratio

3.9.2.5. PM concentrations

Prior to 3/21/08, the TEOM flow rates were erroneously internally adjusted to $16.7 \text{ L}\cdot\text{min}^{-1}$ based on standard conditions (20°C and 1 atm). The PM data was marked invalid when the TEOM flow rates corrected for actual air density were less than $15.7 \text{ L}\cdot\text{min}^{-1}$. The TEOM settings were changed on 3/21/08 to adjust the flow to $16.7 \text{ L}\cdot\text{min}^{-1}$ based on actual rather than standard air density.

The TEOMs were configured to output the PM concentration data at 25°C and atmospheric pressure until 3/21/08, at which time they were reconfigured to output the PM data at standard conditions (20°C , 1 atm). All TEOM PM concentration data prior to 3/21/08 was corrected to standard conditions.

The ambient PM monitor was erroneously configured to output the PM concentration data based on actual air density until 3/14/08. All ambient PM data prior to 3/14/08 were corrected to standard conditions. Also, the analog output voltage from the ambient PM monitor was 9 V, whereas the AirDAC system signal setting was 10V, prior to 10/31/08; this setting disagreement between the instrument and AirDAC was corrected for post-processing by multiplying the AirDAC-recorded signal by 10/9. On 10/31/08, the setting disagreement was corrected.

Dry standard PM concentrations were obtained by dividing standard concentrations by one minus the air humidity ratio.

The H5 TEOM was offline between 1/23/08 and 3/21/08 while the sensor was repaired by the manufacturer, and between 7/10/09 and 7/29/09 while some preliminary collocation tests were performed. The H6 TEOM was offline between 3/18/09 and 3/30/09 while awaiting a new battery.

3.9.3. Emission calculations

3.9.3.1. Particulate matter

PM emissions were calculated with Eqn. 3-3.

$$E = \left(Q_o \cdot P_o \cdot \left(\frac{273 + 20}{273 + T_o} \right) \right) \cdot (c'_o - c'_i) \quad (3-3)$$

Where:

E	Net PM emission rate ($\mu\text{g s}^{-1}$)
Q_o	Exhaust airflow rate at T_o ($\text{m}^3 \text{s}^{-1}$)
P_o	Pressure of exhaust air (atm)
C_o'	PM concentration of exhaust air ($\mu\text{g m}^{-3}$)
C_i'	Ambient PM concentration ($\mu\text{g m}^{-3}$)
T_o	Temperature of exhaust air ($^{\circ}\text{C}$)

3.9.3.2. Gases

Stream-specific gas emissions were determined as follows:

$$E = Q_o \cdot \frac{P_o \cdot M}{R \cdot (273 + T_o)} \cdot (c_o - c_i) \quad (3-4)$$

Where:

E	Stream or house emission rate (mg s^{-1} or $\mu\text{g s}^{-1}$)
Q_o	Stream or house outlet moist airflow rate at T_o ($\text{m}^3 \text{s}^{-1}$)
P_o	Exhaust air pressure (atm)
M	Gas molecular weight (g mol^{-1})
R	Universal Gas Constant ($0.08206 \text{ L atm/mol}^{-1} \text{ }^{\circ}\text{K}^{-1}$)
T_o	Exhaust air temperature ($^{\circ}\text{C}$)
c_o	Exhaust air concentration (ppm or ppb)
c_i	Ambient or ventilation air inlet concentration (ppm or ppb)

Building emissions were the summation of the stream emissions. If the interpolated stream concentration was invalid for one stream in a house, the average of the other two stream concentrations was substituted in the emission calculation. Building emission was divided by variables (house inventory, animal units) or constants (floor area) to normalize emissions to site-specific characteristics.

3.9.3.3. Volatile organic compounds

The total VOC concentration was multiplied by building airflow for the 24-h canister sampling period to yield an average emission rate. If two samples were successfully collected for a building at one sampling event, the average concentration was used in the calculation.

4. RESULTS

4.1. Farm Production Information

The farm production information, including inventory, bird mass and density are presented in Table E2.

4.2. Characteristics of Biomaterials

The summarized results of lab analyses of the various biomaterials are available in . The total N content of the water was between 6.56 and 6.86 mg·L⁻¹, and the total sulfur content analyses were 1.4 and 1.9 mg·L⁻¹, for the two samples collected on 5/7/09.

The producer reported that the annual manure volume per house was 1784 m³. On 2/9/09, the manure volume that had accumulated since the last manure loadout in H5 and H6 was 676 and 436 m³, respectively. The density of the manure was 0.44 kg m⁻³ in H5, and between 0.37 and 0.46 kg·m⁻³ in H6 (measurements taken on two consecutive days).

4.3. Environmental Conditions

4.3.1. Ambient conditions

The weather conditions monitored at the site are shown in Table E1. According to historical climatic information daytime average high temperatures ranges from 12°C in the winter to 35°C in the summer. Average overnight lows range from 3°C in winter to 16°C in summer. Typical prevailing winds for the region are from the southeast in the winter and west-northwest during the rest of the year.

Table E1 shows the daily average outdoor temperature, relative humidity, wind speed, wind direction, solar radiation and barometric pressure. The ADM outdoor temperature was 17.8°C, similar to the annual average for the area shown in Table 17.

Table 17. Monthly averages for weather conditions in the area*.

Month	Temperature*, °C			Wind Speed km/h	Wind Direction
	High	Low	Mean		
January	12	3	8	13	SE
February	16	5	12	13	SE
March	19	6	14	15	WNW
April	23	8	17	15	WNW
May	28	11	20	17	W
June	32	14	23	18	W
July	35	16	26	16	WNW
August	34	16	25	15	WNW
September	31	14	23	14	WNW
October	26	10	18	12	WNW
November	17	6	12	12	SE
December	12	3	8	13	SE
Annual Average	24	9	17		

* <http://www.weather.com/weather/wxclimatology/monthly/USCA0714>

4.3.2. House conditions

The environmental conditions in H5 and H6 are shown in Table E3. A set point temperature of 24 to 25°C was maintained by the farm's environmental control system in the upper floor; however, the exhaust temperature in the lower floor was as low as 15°C during cool weather (Figure 3).

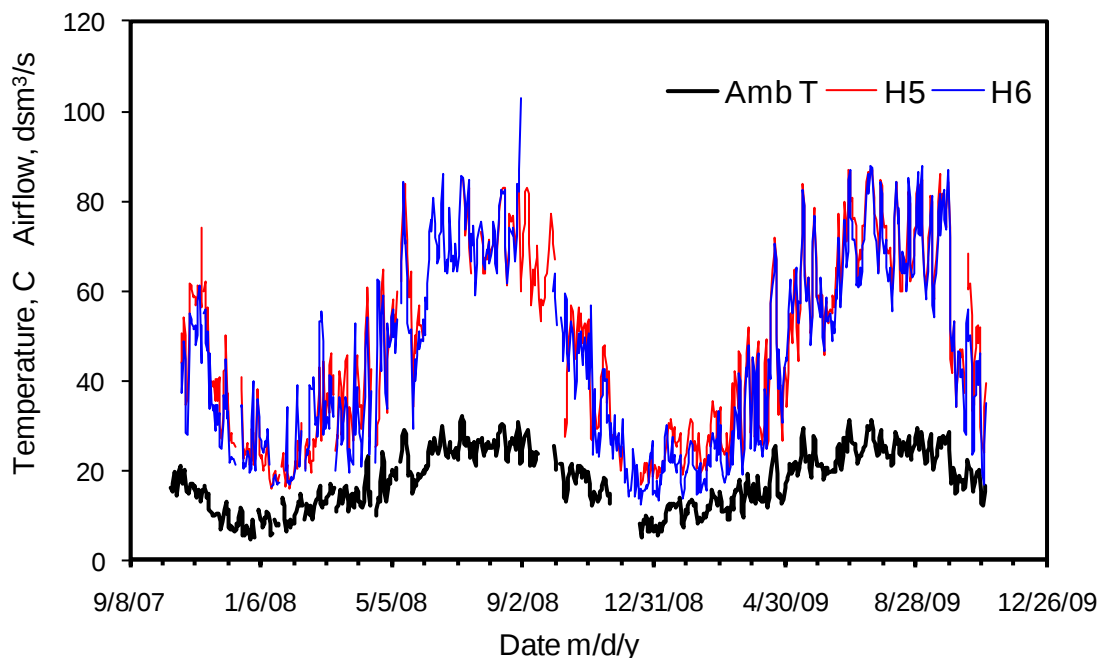


Figure 3. Ambient and exhaust temperatures (T) and dry standard airflow rate (Q) for houses 5 and 6.

4.3.3. Ventilation Rates

The median static pressure differential was -30 ± 5 Pa in all cases. The fraction of time that the pressure was positive ranged from 2.6 to 2.8%. Most of the positive pressures were detected when the fans were not operational between flocks. Static pressure was greater than -40 Pa over 95% of the time.

The maximum daily mean airflow measurements for both houses occurred during summer weather.

The ventilation rate of H 5 ranged from approximately $15.8 \text{ m}^3 \text{ s}^{-1}$ in winter to $86.8 \text{ m}^3 \text{ s}^{-1}$ during the summer. The ventilation rate of the H 6 ranged from approximately $12.2 \text{ m}^3 \text{ s}^{-1}$ in winter to $103.0 \text{ m}^3 \text{ s}^{-1}$ during the summer.

4.4. Particulate Matter Concentration and Emissions

4.4.1. PM_{10}

The DM inlet PM_{10} concentration ranged from 3 to $363 \mu\text{g}\cdot\text{dsm}^{-3}$, whereas the DM H5 and H6 PM_{10} exhaust concentrations ranged from 14 to 1260 and from 20 to $1130 \mu\text{g}\cdot\text{dsm}^{-3}$, respectively (Table E4).

The ADM inlet, H5 and H6 PM_{10} concentrations were 58 ± 47 , 326 ± 157 and $277\pm 163 \mu\text{g}\cdot\text{dsm}^{-3}$, respectively (Table E4).

The overall mean PM_{10} emission rates were $1270\pm 1020 \text{ g}\cdot\text{d}^{-1}$ ($37.6\pm 30.4 \text{ mg d}^{-1}\text{bird}^{-1}$) for H5 and $960\pm 795 \text{ g}\cdot\text{d}^{-1}$ ($29.2\pm 24.5 \text{ mg d}^{-1}\text{bird}^{-1}$) for H6 (Figure 4 and Table E5).

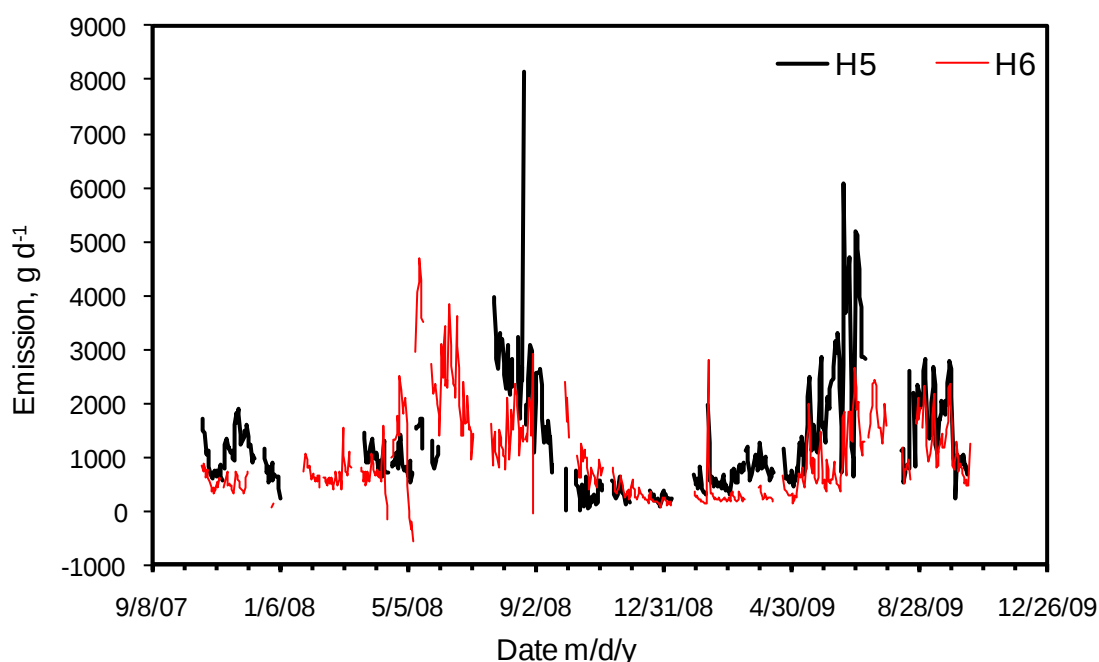


Figure 4. Daily mean PM_{10} emissions.

4.4.2. $PM_{2.5}$

Daily mean concentrations of $PM_{2.5}$ ranged from 1 to $112 \mu\text{g}\cdot\text{dsm}^{-3}$ in the inlet air ($n=32$ d), -4 to $337 \mu\text{g}\cdot\text{dsm}^{-3}$ in H5 exhaust air ($n=47$ d) and from -47 to $237 \mu\text{g}\cdot\text{dsm}^{-3}$ in H6 exhaust air ($n=45$ d) (Table E4). An exact cause for the negative concentration readings in January 2008 for H6 was not determined; however, the low concentrations lend themselves to higher error.

The ADM inlet, and H5 and H6 exhaust concentrations were 29 ± 23 , 65 ± 91 and $43\pm 63 \mu\text{g}\cdot\text{dsm}^{-3}$, respectively (Table E4).

The overall mean $PM_{2.5}$ emission rates were $238\pm 531 \text{ g}\cdot\text{d}^{-1}$ ($6.7\pm 14.9 \text{ mg}\cdot\text{d}^{-1}\text{bird}^{-1}$) from H5, and $168\pm 338 \text{ g}\cdot\text{d}^{-1}$ ($5.2\pm 10.3 \text{ mg}\cdot\text{d}^{-1}\text{bird}^{-1}$) from H6 (Figure 5).

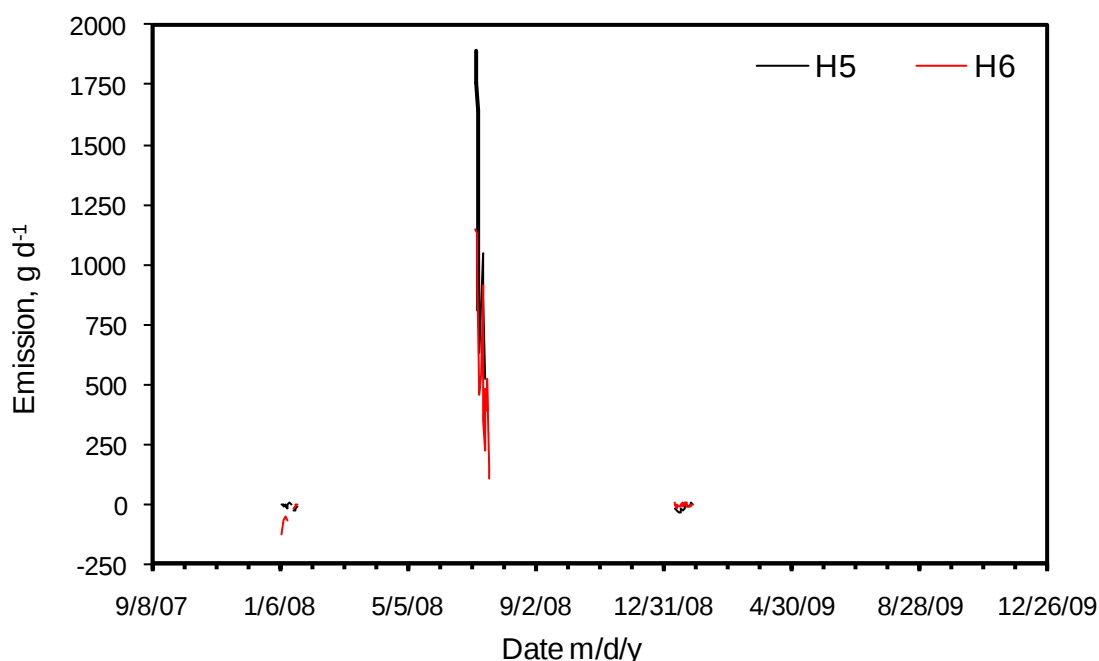


Figure 5. Daily mean PM_{2.5} emissions.

4.4.3. TSP

Data from the six TSP measurement periods are shown in Table E4. Daily mean TSP concentrations ranged from 16 to 285 $\mu\text{g}\cdot\text{dsm}^{-3}$ in the inlet air ($n=37$ d), 58 to 1480 $\mu\text{g}\cdot\text{dsm}^{-3}$ in H5 exhaust air ($n=40$ d) and from 19 to 2400 $\mu\text{g}\cdot\text{dsm}^{-3}$ in H6 exhaust air ($n=44$ d) (Table E4).

The ADM inlet, and H5 and H6 exhaust concentrations were 56 ± 56 , 627 ± 368 and 788 ± 544 $\mu\text{g}\cdot\text{dsm}^{-3}$, respectively (Table E4).

Emission rates are shown in Figure 6. The overall mean TSP emission rates were 2440 ± 1380 $\text{g}\cdot\text{d}^{-1}$ (71.9 ± 40.9 $\text{mg}\cdot\text{d}^{-1}\cdot\text{bird}^{-1}$) for H5 ($n=36$ d), and 2760 ± 1460 $\text{g}\cdot\text{d}^{-1}$ (84.0 ± 44.5 $\text{mg}\cdot\text{d}^{-1}\cdot\text{bird}^{-1}$) for H6 ($n=32$ d) (Table E5).

4.5. VOC Concentration and Emissions

The 20 most prevalent VOCs detected in the canister samples accounted for 97% of the total quantified mass. The most prevalent compound was iso-propanol, which was 55% of the total mass (Table 19).

Concentrations of total VOC in exhaust air ranged from 0.28 to 9.58 $\text{mg}\cdot\text{m}^{-3}$ in H5 and 0.35 to 11.4 $\text{mg}\cdot\text{m}^{-3}$ in H6. The mean total concentrations were 1.94 ± 3.38 $\text{mg}\cdot\text{m}^{-3}$ in H5 and 2.33 ± 4.44 $\text{mg}\cdot\text{m}^{-3}$ in H6, respectively.

Total VOC emissions ($\text{ng}\cdot\text{s}^{-1}$) during each sampling period were determined by multiplying the mean building airflow rate ($\text{m}^3\cdot\text{s}^{-1}$) by the total mass ($\text{ng}\cdot\text{m}^{-3}$) and converting to $\text{kg}\cdot\text{d}^{-1}$. The VOC emission rates of H5 and H6 ranged from 1.26 to 49.7 and from 1.24 to 54.9 $\text{kg}\cdot\text{d}^{-1}$, respectively.

The mean VOC emission rates from H5 and H6 were 9.9 ± 17.7 and 10.9 ± 21.6 kg d⁻¹ or 0.305 ± 0.543 and 0.339 ± 0.669 g d⁻¹ hd⁻¹ (Table 19).

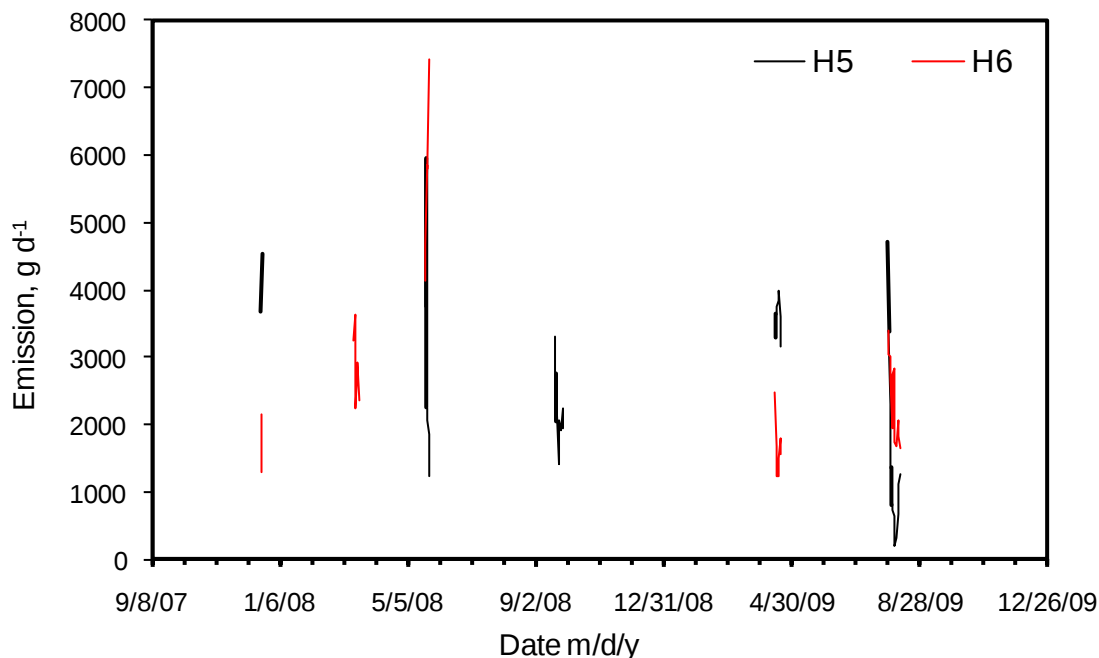


Figure 6. Daily mean TSP emissions.

Table 18. Average concentration of 20 most prevalent VOCs.

Compound	Concentration, ng m ⁻³	% of total	Cumulative %
iso-Propanol	1.55E+06	55.01%	55.0
Acetic acid	6.78E+05	24.02%	79.0
Pentane	1.56E+05	5.54%	84.6
Acetaldehyde	9.12E+04	3.23%	87.8
Propanoic acid	5.03E+04	1.78%	89.6
2-Butanone	3.65E+04	1.29%	90.9
Dimethyl sulfide	2.44E+04	0.86%	91.7
2,3-Butanedione	2.43E+04	0.86%	92.6
Dimethyl disulfide	2.12E+04	0.75%	93.3
Hexane	1.84E+04	0.65%	94.0
Hexanal	1.44E+04	0.51%	94.5
Phenol	1.23E+04	0.43%	94.9
Pentanal	9.94E+03	0.35%	95.3
4-Methyl-phenol	9.80E+03	0.35%	95.6
Methyl cyclopentane	8.35E+03	0.30%	95.9
1-Butanol	8.02E+03	0.28%	96.2
Nonanal	7.37E+03	0.26%	96.5
Butanal	7.13E+03	0.25%	96.7
Heptanal	6.86E+03	0.24%	97.0
Octanal	6.77E+03	0.24%	97.2

Table 19. Emission of total VOC for each sampling day.

Date	# canisters		Concentration, mg m ⁻³		Airflow, m ³ s ⁻¹		Emission, kg d ⁻¹	
	H5	H6	H5	H6	H5	H6	H5	H6
06/09/09	2	2	0.55	0.56	56.5	54.5	2.70	2.66
06/18/09	2	0	1.13	N/A	86.2	N/A	8.40	N/A
07/29/09	2	2	0.64	0.45	78.5	72.0	4.34	2.78
10/02/09	2	2	9.58	11.4	60.0	55.8	49.7	54.9
10/12/09	2	2	0.38	0.41	38.7	34.6	1.26	1.24
10/15/09	2	2	0.28	0.35	64.4	53.9	1.55	1.62
11/18/09	2	2	1.00	0.81	19.0	33.7	1.64	2.35
Mean	2	1.70	1.94	2.33	57.6	50.7	9.94	10.9

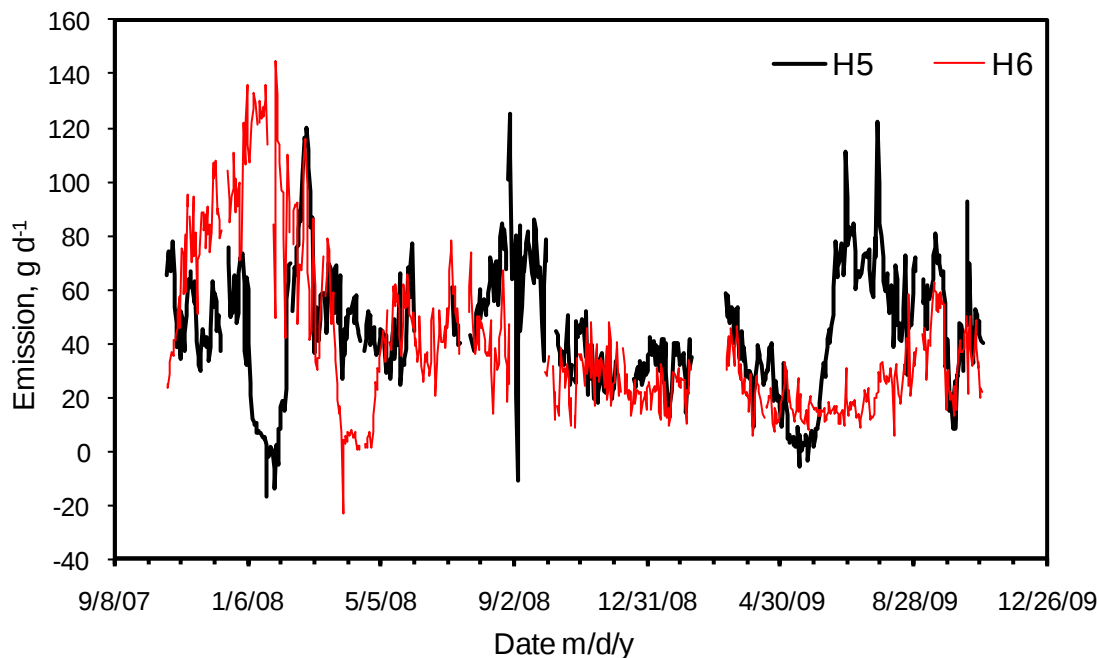
4.6. Hydrogen Sulfide Concentration and Emissions

Daily mean inlet and exhaust H₂S concentrations for the entire test are provided in Table E6.

The average daily mean H₂S concentrations were approximately 2.4±1.8 (n=703) ppb in the inlet air, and 22.2±12.4 (n=691) and 22.6±18.0 (n=682) ppb in the exhausts of H5 and H6, respectively.

Daily mean H₂S emissions from H5 and H6 are tabulated in Table E7 and plotted in Figure 7 for the entire test period.

The ADM H₂S emission rates from H5 and H6 were 45.4±23.7 (n=614) and 39.8±29.4 (n=633) g d⁻¹, respectively. The ADM bird-specific H₂S emission rates from H5 and H6 were 1.3±0.7 (n=614) and 1.2±0.9 (n=632) mg d⁻¹ bird⁻¹, respectively.

**Figure 7. Daily mean H₂S emissions.**

4.7. Ammonia Concentration and Emissions

Daily mean inlet and exhaust NH_3 concentrations for the entire test are provided in Table JX.

The average daily mean NH_3 concentrations were approximately 1.4 ± 1.3 (n=670) ppm in the inlet air, and 21.8 ± 17.3 (n=662) and 31.4 ± 38.6 (n=654) ppm in the exhausts of H5 and H6, respectively.

Daily mean NH_3 emissions from H5 and H6 are tabulated in Table Ex and plotted in Figure x for the entire test period.

The ADM NH_3 emission rates from H5 and H6 were 32.7 ± 17.2 (n=583) and 31.7 ± 29.5 (n=603) kg d^{-1} , respectively.

The ADM bird-specific NH_3 emission rates from H5 and H6 were 950 ± 487 (n=583) and 944 ± 859 (n=602) $\text{mg d}^{-1} \text{bird}^{-1}$, respectively.

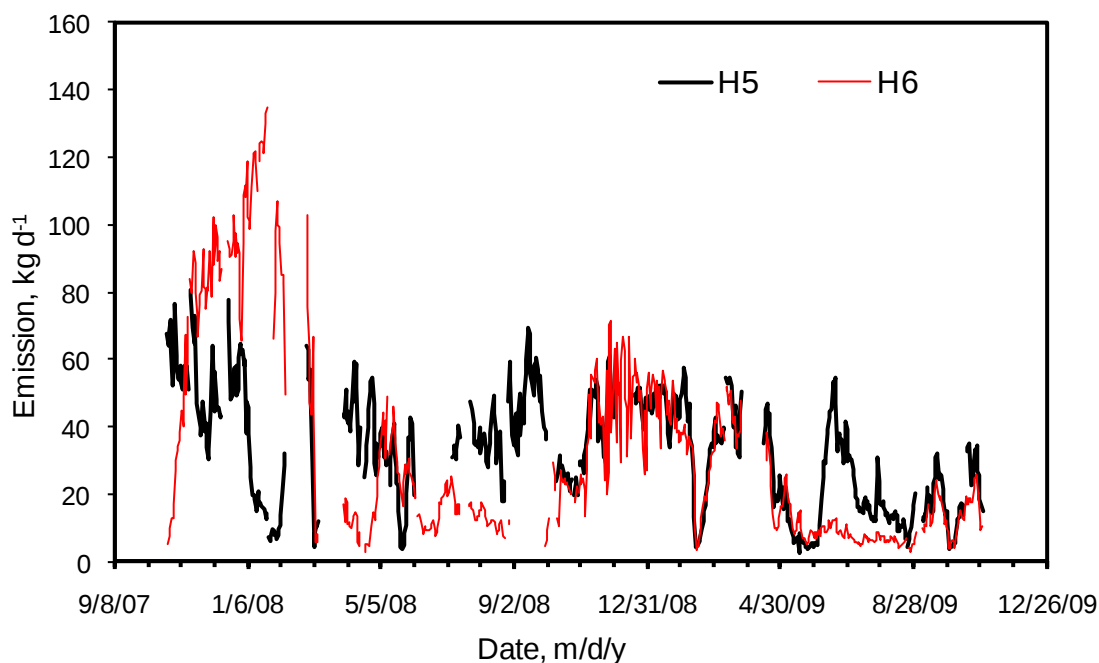


Figure 8. Daily mean NH_3 emissions.

4.8. Emission Data Completeness

Daily completeness data is given in Table E10. The number of complete data days (>75% valid required for reporting a daily mean) were calculated for emission measurements conducted from 10/17/07 to 10/31/09 (Table 20).

Table 20. Emissions data completeness.

Location	Days with >75% valid emission data				
	NH_3	H_2S	PM_{10}	$\text{PM}_{2.5}$	TSP
H5	583	614	451	40	36
H6	603	633	527	43	32

4.9. Reconciliation with DQO's

The data quality objectives prior to the study were to measure gas and PM emissions from mechanically-ventilated buildings with total relative uncertainties of 27% and 32%, respectively.

4.9.1. Airflow

The overall average airflows for H5 and H6 were $47.5 \pm 20.7 \text{ dsm}^3 \text{ s}^{-1}$ ($n=639$), and $45.9 \pm 21.3 \text{ dsm}^3 \text{ s}^{-1}$ ($n=669$), respectively. An average of two small and 5.5 large fans operated in houses 5 and 6 corresponding to the mean airflow of $47 \text{ m}^3 \text{ s}^{-1}$ in each house. At this airflow rate, the measurement uncertainty was 4.89%, based on the fan models.

4.9.2. Gas Emissions

The bias and precision of NH_3 concentration measurements were derived from the NH_3 zero/span checks as compared with the NH_3 correction models (Table 9). The bias and precision of NH_3 measurements were 1.5% and 6.8%, respectively.

The bias and precision of H_2S concentration measurements were derived from the H_2S zero and span checks as compared with the H_2S correction models (Table 11). The bias and precision of H_2S measurements were 0.7% and 6.4%, respectively.

Based on these measurement errors calculated for concentrations and airflows, the uncertainties of NH_3 and H_2S emissions from the layer houses were 14.7% and 14.1%, respectively.

4.9.3. PM Emissions

The precision of PM_{10} , TSP and $\text{PM}_{2.5}$ concentration measurements were 3.7, 29.1, and 9.4% based on collocation tests of the TEOMs in ambient air (Table 16). The relative biases of the TEOMs were 5.9 and 1.1% for houses 5 and 6, respectively (Table 14 and Table 15). The uncertainties of PM_{10} , TSP and $\text{PM}_{2.5}$ emissions from H5 were 11.1, 58.7, and 20.6%, respectively. The uncertainties of PM_{10} , TSP and $\text{PM}_{2.5}$ emissions from H6 were 9.4, 58.4, and 19.7%, respectively.

5. SUMMARY

The emissions of NH_3 , H_2S , PM_{10} , TSP, $\text{PM}_{2.5}$ and VOCs from two 38,000-hen houses (H5 and H6) at an egg production facility in California were measured during a two-year monitoring study. Manure was scraped off dropping boards under the cages into the first floor, where it was stored for six to eight months. The buildings were tunnel-ventilated with single-speed fans.

The overall average emission rates from house 5 were 32.7 kg d^{-1} of NH_3 , 45.4 g d^{-1} of H_2S , $1,270 \text{ g d}^{-1}$ of PM_{10} , 238 g d^{-1} of $\text{PM}_{2.5}$, $2,440 \text{ g d}^{-1}$ of TSP, and 9.9 kg d^{-1} of total VOC. The overall average emission rates from house 6 were 31.7 kg d^{-1} of NH_3 , 39.8 g d^{-1} of H_2S , 960 g d^{-1} of PM_{10} , 168 g d^{-1} of $\text{PM}_{2.5}$, $2,760 \text{ g d}^{-1}$ of TSP, and 10.9 kg d^{-1} of total VOC.

6. REFERENCES

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7. DEFINITIONS

AirDAC	Air Data Acquisition and Control – computer program
ADM	Average daily mean
BESS	Bioenvironmental and Structural Systems
CAPECAB	Calculations of Air Pollutant Emissions from Confined Animal Buildings
CO ₂	Carbon dioxide
CH ₄	Methane
DM	Daily mean
ΔP	Differential pressure
DQO	Data quality objective
FANS	Fan Airflow Numeration System
GC/MS	Gas chromatograph mass spectrometer
GLS	Gas sampling location(s)
GSS	Gas sampling system
H ₂ S	Hydrogen sulfide
H5	House 5
H6	House 6
MC	Milking center
MDL	Minimum detection limit
MPC	Multipoint calibration
MS	Mass spectrometer
n	Number or count
NAEMS	National Air Emissions Monitoring Study
NCDC	National Climatic Data Center
NH ₃	Ammonia
NMHC	Non-methane hydrocarbons
QA	Quality assurance
QC	Quality control

OFIS	On farm instrument shelter
PM	Particulate matter
PREF	Primary representative exhaust fan
RH/T	Relative humidity/temperature
RH	Relative humidity
SD	Standard deviation
MP	Site monitoring plan
T _{dew}	Dew point temperature
TDS	Thermal desorption system
TDS-GS-MS	Thermodesorption-gas chromatograph mass spectrometer
TEOM	Tapered element oscillating microbalance
TSP	Total suspended particulate
VOC	Volatile organic compounds
Z/S	Zero/span

APPENDIX A. MEASUREMENT VARIABLE LIST

Data Col#	Data heading	Instrument, sensor, controller	Sensor location	Monitoring/control location	Range / target	DAC hardware
1	Date & time	---				---
2	Smpl loc#	---				---
3	Cal gas #	Environics	Rack	Environics	0-7 gas #	---
4	Cal gas, ppm	Environics	Rack	Environics	From 0	---
5	NH3, ppm	Innova 1412	Rack	7 gas sampling lines	From 0.2	---
6	CO2, ppm	Innova 1412	Rack	7 gas sampling lines	From 3.4	---
10	WV, Tdew	Innova 1412	Rack	7 gas sampling lines	N/A	---
11	H2S, ppb	H2S analyzer	Rack	7 gas sampling lines	Varies	FP-AI-112-1
12	SO2, ppb	H2S analyzer	Rack	7 gas sampling lines	Varies	FP-AI-112-1
13	Smpl P, Pa	Setra 209 P sensor	GSS	7 gas sampling lines	0-14.7 psiv	FP-AI-112-1
14	Smpl Q, L/m	Mass flow	GSS	7 gas sampling lines	0-10	FP-AI-112-1
15	Smpl RH, %	Humitter 50Y	GSS	7 gas sampling lines	0-100	FP-AI-112-1
16	Smpl T, C	Humitter 50Y	GSS	7 gas sampling lines	-40 to 60	FP-AI-112-1
17	Smpl dir, uV	Flow direction sensor	GSS	7 gas sampling lines	0.065 - 0.065 V	FP-AI-112-1
18	GSS T, C	AD 592D T sensor	GSS	GSS	0-70	FP-AI-112-1
19	H6 PM, ug/m3	TEOM #1	H6	H6 in front of F6	-1000-9000	FP-AI-112-1
20	H6 Filter, %	TEOM #1	H6	H6 in front of fan 6	0-140	FP-AI-112-1
21	H6 Atm P, Pa	TEOM #1	H6	H6 in front of fan 6	0.8-1.3	FP-AI-112-1
22	H5 PM, ug/m3	TEOM #2	H5	H5 in front of fan 6	-1000-9000	FP-AI-112-1
23	H5 Filter, %	TEOM #2	H5	H5 in front of F6	0-140%	FP-AI-112-1
24	Amb PM, ug/m3	Beta Gage	Amb	On top of OFIS	0-1500	FP-AI-112-1
25	H5 Atm P, Pa	TEOM #2	H5	H5 in front of F6	0.8-1.3	FP-AI-112-1
26	H5 ΔP, Pa	Setra 260 P sensor #1	H5	Middle of N wall of H5	-100 to 100	FP-AI-112-1
27	H6 ΔP, Pa	Setra 260 P sensor #2	H6	Middle of S wall of H6	-100 to 100	FP-AI-112-2
28	H5-H6 ΔP, Pa	Setra 260 P sensor #3	H5-H6	Egg conveyor (H5-H6)	-100 to 100	FP-AI-112-2
29	OFIS ΔP, Pa	Setra 260 P sensor #4	OFIS	OFIS	-100 to 100	FP-AI-112-2
30	OFIS HVAC	Setra 260 P sensor #5	OFIS	OFIS HVAC	-100 to 100 Pa	FP-AI-112-2
31	Wind D, deg	05103-5 wind monitor	Roof	Roof top tower	0-360	FP-AI-112-2
32	Wind V, m/s	05103-5 wind monitor	Roof	Roof top tower	0-50	FP-AI-112-2
33	Solar, W/m2	Solar sensor	Roof	Roof top tower	0-1500	FP-AI-112-2
34	Amb RH, %	NOVUS RHT-WM #1	Roof	Roof top tower	0-100	FP-AI-112-2

Data Col#	Data heading	Instrument, sensor, controller	Sensor location	Monitoring/control location	Range / target	DAC hardware
35	Amb T, C	NOVUS RHT-WM #1	Roof	Roof top tower	-20 - 80	FP-AI-112-2
36	H5 RH, %	NOVUS RHT-WM #2	H5	Middle of H5	0-100	FP-AI-112-2
37	H5 T, C	NOVUS RHT-WM #2	H5	Middle of H5	0-100	FP-AI-112-2
38	H6 RH, %	NOVUS RHT-WM #3	H6	Middle of H6	0-100	FP-AI-112-2
39	H6 T, C	NOVUS RHT-WM #3	H6	Middle of H6	0-100	FP-AI-112-2
40	H5F6 RH, %	NOVUS RHT-WM #4	H5F6	H5 in front of F6	0-100	FP-AI-112-2
41	H5F6 T, C	NOVUS RHT-WM #4	H5F6	H5 in front of F6	0-100	FP-AI-112-2
42	H6F6 RH, %	NOVUS RHT-WM #5	H6F6	H6 in front of F6	0-100	FP-AI-112-2
43	H6F6 T, C	NOVUS RHT-WM #5	H6F6	H6 in front of F6	0-100	FP-AI-112-3
44	H5W Act, V	Activity sensor #1	H5W	H5 between cages facing W	0 to 2	FP-AI-112-3
45	H5E Act, V	Activity sensor #2	H5E	H5 between cages facing E	0 to 2	FP-AI-112-3
46	H6W Act, V	Activity sensor #3	H6W	H6 W between cages facing W	0 to 2	FP-AI-112-3
47	H6E Act, V	Activity sensor #4	H6E	H6 between cages facing E	0 to 2	FP-AI-112-3
48	H5Cv Act, V	Activity sensor #5	H5EggConv	H5 over egg conveyor	0 to 2	FP-AI-112-3
49	H6Cv Act, V	Activity sensor #6	H6EggConv	H6 over egg conveyor	0 to 2	FP-AI-112-3
50	OFIS Act, V	Activity sensor #7	OFIS	OFIS	0 to 2	FP-AI-112-3
51	H5F6Ane, V	Anemometer #1	H5F6	H5 F6	-0.5 to 0.5	FP-AI-112-3
52	H6F2Ane, V	Anemometer #2	H6F2	H6 F2	-0.5 to 0.5	FP-AI-112-3
53	H6F6Ane, V	Anemometer #3	H6F6	H6 F6	-0.5 to 0.5	FP-AI-112-3
54	CS, ppb	H2S analyzer	Rack	7 gas sampling lines	Varies	FP-AI-112-3
59	H5N T, C	TC T type	H5N	Mideel of H5 (F10-F11)	-270 to 390	FP-TC-120-1
60	H5S T, C	TC T type	H5S	Middle of H5 (F10-F11)	-270 to 390	FP-TC-120-1
61	H5F10 T, C	TC T type	H5F10	H5 in front of F10	-270 to 390	FP-TC-120-1
62	H5F2 T, C	TC T type	H5F2	H5 in front of F2	-270 to 390	FP-TC-120-1
63	H6N T, C	TC T type	H6N	Middle of H6 (F10-F11)	-270 to 390	FP-TC-120-1
64	H6S T, C	TC T type	H6S	H Middle of H6 (F10-F11)	-270 to 390	FP-TC-120-1
65	H6F10 T, C	TC T type	H6F10	H6 in front of F10	-270 to 390	FP-TC-120-1
66	H6F2 T, C	TC T type	H6F2	H6 in front of F2	-270 to 390	FP-TC-120-1
67	Rwy T, C	TC T type	Rwy	Raceway (OFIS-H6)	-270 to 390	FP-TC-120-2
68	Rwy HT, C	TC T type	Rwy HT	Raceway (OFIS-H6)	-270 to 390	FP-TC-120-2
69	OFIS T, C	TC T type	OFIS	DAC Panel	-270 to 390	FP-TC-120-2
70	OFIS AC T, C	TC T type	OFIS AC	Wall A/C Exhaust	-270 to 390	FP-TC-120-2
71	Probe T, C	TC T type	OFIS	OFIS	-270 to 390	FP-TC-120-2

Data Col#	Data heading	Instrument, sensor, controller	Sensor location	Monitoring/control location	Range / target	DAC hardware
75	H5F1, rpm	Fan speed sensor #1	H5F1	H5 F1	0 to 5000	USB-4303-1
76	H5F2, rpm	Fan speed sensor #2	H5F2	H5 F2	0 to 5000	USB-4303-1
77	H5F3, rpm	Fan speed sensor #3	H5F3	H5 F3	0 to 5000	USB-4303-1
78	H5F4, rpm	Fan speed sensor #4	H5F4	H5 F4	0 to 5000	USB-4303-1
79	H5F5, rpm	Fan speed sensor #5	H5F5	H5 F5	0 to 5000	USB-4303-1
80	H5F6, rpm	Fan speed sensor #6	H5F6	H5 F6	0 to 5000	USB-4303-1
81	H5F7, rpm	Fan speed sensor #7	H5F7	H5 F7	0 to 5000	USB-4303-1
82	H5F8, rpm	Fan speed sensor #8	H5F8	H5 F8	0 to 5000	USB-4303-1
83	H5F9, rpm	Fan speed sensor #9	H5F9	H5 F9	0 to 5000	USB-4303-1
84	H5F10, rpm	Fan speed sensor #10	H5F10	H5 F10	0 to 5000	USB-4303-1
85	H5F11, rpm	Fan speed sensor #11	H5F11	H5 F11	0 to 5000	USB-4303-2
86	H5F12, rpm	Fan speed sensor #12	H5F12	H5 F12	0 to 5000	USB-4303-2
87	H6F1, rpm	Fan speed sensor #13	H6F1	H6 F1	0 to 5000	USB-4303-2
88	H6F2, rpm	Fan speed sensor #14	H6F2	H6 F2	0 to 5000	USB-4303-2
89	H6F3, rpm	Fan speed sensor #15	H6F3	H6 F3	0 to 5000	USB-4303-2
90	H6F4, rpm	Fan speed sensor #16	H6F4	H6 F4	0 to 5000	USB-4303-2
91	H6F5, rpm	Fan speed sensor #17	H6F5	H6 F5	0 to 5000	USB-4303-2
92	H6F6, rpm	Fan speed sensor #18	H6F6	H6 F6	0 to 5000	USB-4303-2
93	H6F7, rpm	Fan speed sensor #19	H6F7	H6 F7	0 to 5000	USB-4303-2
94	H6F8, rpm	Fan speed sensor #20	H6F8	H6 F8	0 to 5000	USB-4303-2
95	H6F9, rpm	Fan speed sensor #21	H6F9	H6 F9	0 to 5000	USB-4303-3
96	H6F10, rpm	Fan speed sensor #22	H6F10	H6 F10	0 to 5000	USB-4303-3
97	H6F11, rpm	Fan speed sensor #23	H6F11	H6 F11	0 to 5000	USB-4303-3
98	H6F12, rpm	Fan speed sensor #24	H6F12	H6 F12	0 to 5000	USB-4303-3
105	H5 Fd 1, %t	House controller	H5	H5 Feed 1	0-100%t	DIO 96H/50
106	H5 Fd 2, %t	House controller	H5	H5 Feed 2	0-100%t	DIO 96H/50
107	H5 Light, %t	House controller	H5	H5 Light	0-100%t	DIO 96H/50
108	H5 Sp 1, %t	House controller	H5	H5 manure scrape 1	0-100%t	DIO 96H/50
109	H5 Sp 2, %t	House controller	H5	H5 manure scrape 2	0-100%t	DIO 96H/50
110	H5 Cl 1, %t	House controller	H5	H5 Cool 1	0-100%t	DIO 96H/50
111	H5 Cl 2, %t	House controller	H5	H5 Cool 2	0-100%t	DIO 96H/50
112	H5 Cl 3, %t	House controller	H5	H5 Cool 3	0-100%t	DIO 96H/50
113	H5 Cl 4, %t	House controller	H5	H5 Cool 4	0-100%t	DIO 96H/50

Data Col#	Data heading	Instrument, sensor, controller	Sensor location	Monitoring/control location	Range / target	DAC hardware
114	H5 Dr 1, %t	House controller	H5	H5 Air Door 1	0-100%t	DIO 96H/50
115	H5 Dr 2, %t	House controller	H5	H5 Air Door 2	0-100%t	DIO 96H/50
116	H6 Fd 1, %t	House controller	H6	H6 Feed 1	0-100%t	DIO 96H/50
117	H6 Fd 2, %t	House controller	H6	H6 Feed 2	0-100%t	DIO 96H/50
118	H6 Light, %t	House controller	H6	H6 Light	0-100%t	DIO 96H/50
119	H6 Sp 1, %t	House controller	H6	H6 manure scrape 1	0-100%t	DIO 96H/50
120	H6 Sp 2, %t	House controller	H6	H6 manure scrape 2	0-100%t	DIO 96H/50
121	H6 Cl 1, %t	House controller	H6	H6 Cool 1	0-100%t	DIO 96H/50
122	H6 Cl 2, %t	House controller	H6	H6 Cool 2	0-100%t	DIO 96H/50
123	H6 Cl 3, %t	House controller	H6	H6 Cool 3	0-100%t	DIO 96H/50
124	H6 Cl 4, %t	House controller	H6	H6 Cool 4	0-100%t	DIO 96H/50
125	H6 Dr 1, %t	House controller	H6	H6 Air Door 1	0-100%t	DIO 96H/50
126	H6 Dr 2, %t	House controller	H6	H6 Air Door 2	0-100%t	DIO 96H/50
		Solenoid 1	Ambient	W H6 eave inlet (F5-F6)	On/off control	FP-DO-401-1
		Solenoid 2	H5 F2	H5 0.5 m in front of F2	On/off control	FP-DO-401-1
		Solenoid 3	H5 F6	H5 0.5 m in front of F6	On/off control	FP-DO-401-1
		Solenoid 4	H5 F10	H5 0.5 m in front of F10	On/off control	FP-DO-401-1
		Solenoid 5	H6 F2	H6 0.5 m in front of F2	On/off control	FP-DO-401-1
		Solenoid 6	H6 F6	H6 0.5 m in front of F6	On/off control	FP-DO-401-1
		Solenoid 7	H6 F10	H6 0.5 m in front of F10	On/off control	FP-DO-401-1
		Cooling fan	GSS	GSS	On/off control	FP-DO-401-1
		Raceway	OFIS	Raceway		FP-DO-401-1

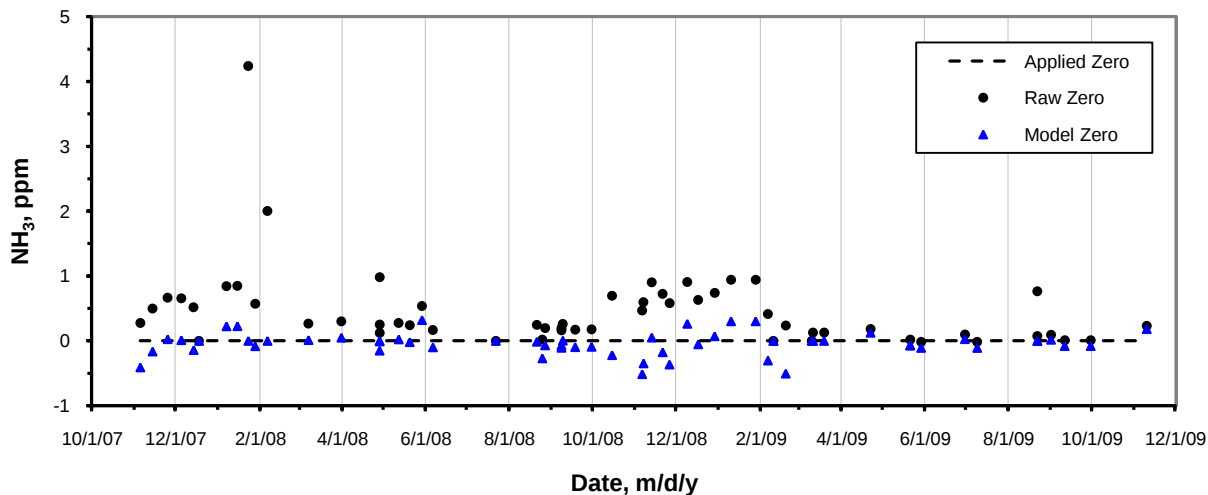
APPENDIX B. LIST OF MAINTENANCE AND CALIBRATION TASKS.

Category	Times Completed
Environment Sensing and Other	
Clean RH/T probe	86
Calibration check of RH/T probe	29
Calibration check of thermocouples	37
Performance check of weather station	34
Direction verification of wind indicator	2
Clean solar sensor	42
Check solar sensor with collocated sensor	1
Clean motion sensors	43
Air Flow Measurement System	
Fan test events	3
Zero check of pressure sensors (ΔP)	30
Multipoint calibration of pressures sensors (ΔP)	2
Drift & accuracy check of anemometer(s)	34
Particulate Matter Measurement System	
Clean TOEM screens	1
Check/clean TEOM inlet head(s)	68
Replace TEOM filters	68
Verify TEOM mass transducer calibration	25
Leak test of TEOM	10
Verify TEOM flow rate & MFC accuracy	15
Change TEOM in-line filters	10
Check/clean Beta Gauge inlet head	54
Check Beta Gauge airflow	35
Validate Beta Gauge mass w/foil set	28
Calibrate Beta Gauge mass & airflow	7
Gas Measurement System	
Clean/replace GSS membrane filters	11
Leak check of GSS	38
Calibration check of all lines	31
Replace GSS filters	31
Calibrate GSS pressure and flow sensors	0
Flow calibration/check MFC flow of Environics Dilutor	3
Precision check of Multigas Analyzer	70
Multipoint calibration of Multigas Analyzer	17
Precision check of TEC 450I	65
Multipoint calibration of TEC 450I	4

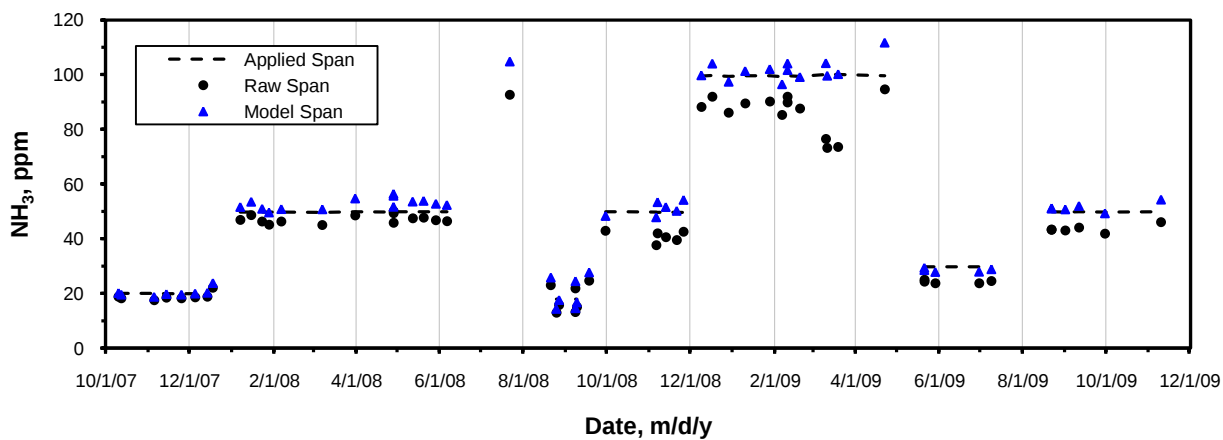
APPENDIX C. GAS ANALYZER ZERO AND SPAN PRECISION CHECKS.

AMMONIA

Calibration Chart of NH₃ Zero Checks at CA2B Site (INNOVA SN 710-299)

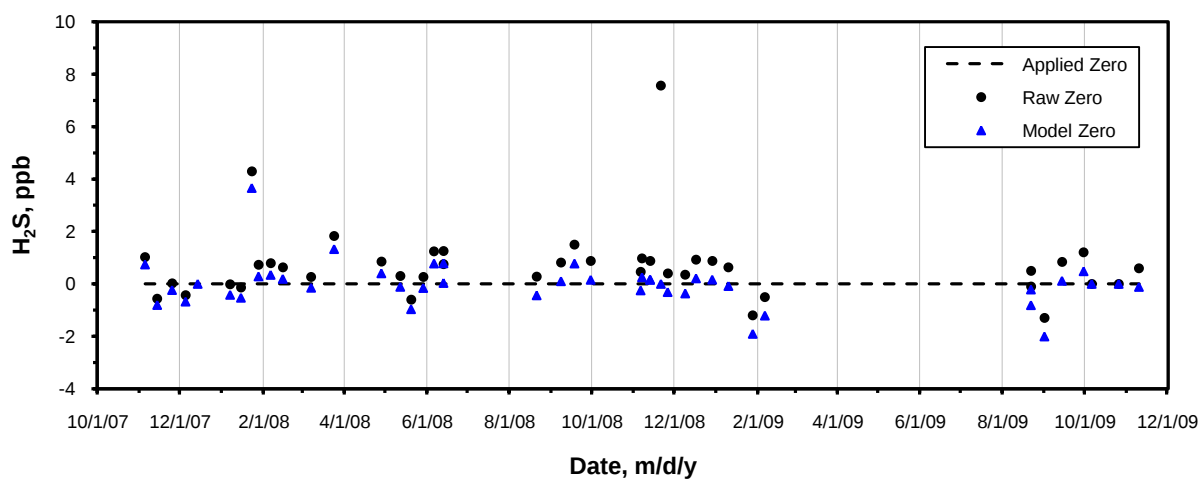


Calibration Chart of NH₃ Span Checks at CA2B Site (INNOVA SN 710-299)

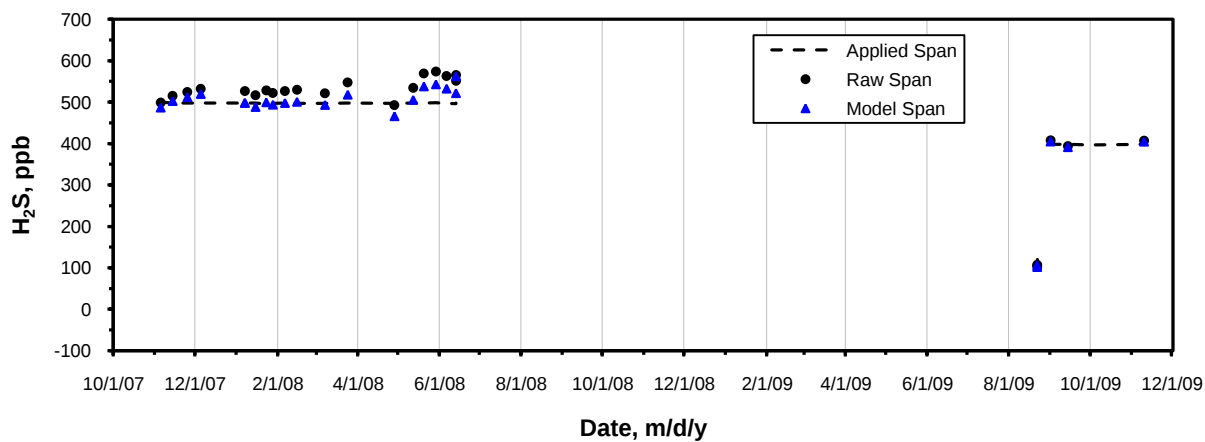


HYDROGEN SULFIDE

Calibration Chart of H₂S Zero Checks at CA2B Site (450i SN 709220672)



Calibration Chart of H₂S Span Check at CA2B Site (450i SN 709220672)



APPENDIX D. DATA INVALIDATION TABLE.

Variable	Start Date/Time	End Date/Time	Minutes	Comment
GSS T	7/10/09 1:16	10/6/09 23:25	128050	Failure-sensor is not working properly
H6F6 speed	10/1/07 0:01	12/5/07 20:52	94851	Systematic Error-FN sensor and cable required replacement
Probe T	10/1/07 0:01	12/5/07 18:52	94731	Off-Sensor was not connected
H5F6Ane	10/12/09 15:33	12/11/09 19:21	86629	Off-Anemometer offline
H6F2Ane	10/16/09 6:33	12/11/09 7:55	80723	Off-anemometer offline
H5 PM/filter, Atm P	1/30/08 16:01	3/21/08 12:13	73213	Off-FN sensor shipped to Thermo for repair
Solar	2/10/09 12:22	4/2/09 1:53	72812	Off-sensor offline for recalibration
H5F8 speed	10/9/07 2:01	11/27/07 18:02	71521	Failure-FN sensor failure
EnviroNics signals	7/10/09 8:31	8/21/09 18:11	61061	Off-FN EnviroNics offline for recalibration
H6F2Ane	9/7/09 16:05	10/16/09 9:58	55794	Off-anemometer not working properly
Smpl dir	10/1/07 0:01	11/5/07 10:37	51036	Systematic Error
OFIS T	10/1/07 0:01	11/5/07 9:07	50946	Systematic Error-FN show incorrect slope in AirDAC
H5 PM and filter	10/15/09 16:00	11/19/09 14:44	50325	Sampling Elsewhere-FN H5 TEOM in H6 for collocation
H5F8 speed	12/14/07 13:53	1/16/08 12:56	47463	Failure-FN a wire was broken
H5 RH/T	5/29/08 13:02	6/30/08 14:33	46172	Sampling Elsewhere-FN sensor moved while houses were cleaned
H5-H6 dP	5/29/08 13:01	6/30/08 12:42	46062	Sampling Elsewhere-H5 tube moved into H6 while H5 cleaned
H5F6Ane	12/1/08 12:13	12/30/08 16:16	42004	DAC-FN broken signal wire
H5F6 speed	11/20/08 9:47	12/18/08 13:06	40520	DAC-FN signal wire broken
450i signals	2/10/09 15:58	3/10/09 13:35	40178	Off-FN 450i sent to TE for repairs
GSS T	4/22/09 23:02	5/20/09 15:53	39892	Failure-FN no connection problem so sensor failure suspected
Rwy HT	4/30/08 8:56	5/27/08 11:57	39062	Systematic Error-FN a problem with the thermocouple
Amb RH/T	11/22/08 7:15	12/18/08 11:38	37704	Failure-FN sensor tip failure
Wind D and V	10/1/07 0:01	10/24/07 16:49	34128	Systematic Error-FN power supply adjusted
H6 Atm P	10/1/07 0:01	10/24/07 13:59	33958	Off-Sensor offline
H5F6 RH/T	6/14/08 12:32	7/7/08 12:00	33089	Failure-FN sensor tip failure
H5 PM/filter, Atm P	10/1/07 0:01	10/23/07 19:01	32820	Off-FN various problems keeping the TEOM offline including a poor cable
H6F6Ane	9/9/08 12:44	9/30/08 10:51	30128	DAC-FN a broken signal cable - damaged during house cleaning
INNOVA Signals	3/10/08 18:31	3/31/08 12:23	29872	INNOVA offline after failure
Solar	4/2/09 0:32	4/22/09 14:15	29624	Off-FN sensor offline for recalibration
H5 PM and filter	7/10/09 15:39	7/29/09 13:41	27243	Sampling Elsewhere-FN this TEOM was collocated with H6 TEOM in H6
INNOVA Signals	2/9/08 2:57	2/27/08 14:43	26626	INNOVA offline after failure
H5F4 speed	12/20/07 10:57	1/7/08 15:17	26181	Failure-FN indicate sensor failure
H6F4 speed	11/20/08 12:40	12/8/08 16:27	26148	Failure-FN sensor failure
H5 PM and filter	6/13/08 11:31	6/30/08 13:53	24623	Sampling Elsewhere

Variable	Start Date/Time	End Date/Time	Minutes	Comment
Amb RH	1/7/08 12:17	1/23/08 11:36	23000	Systematic Error-FN a broken wire was affecting this measurement
H6 PM and filter	10/1/07 3:24	10/16/07 16:27	22383	Off-Sensor offline
INNOVA Signals	3/30/09 13:16	4/14/09 15:58	21763	Off-FN INNOVA offline for repair
Wind D and V	9/15/08 17:01	9/30/08 9:18	21138	DAC-FN signal cable damaged
H5F11 speed	4/23/09 9:40	5/7/09 12:12	20313	Failure-FN magnet fell off of fan
H6F9 speed	4/23/09 10:07	5/7/09 12:30	20304	Failure-FN magnet had fallen off fan
H5F10 speed	12/4/08 13:07	12/18/08 13:27	20181	DAC-FN signal wires broken
Amb RH/T	9/17/08 0:14	9/30/08 9:18	19265	DAC-FN signal cable damaged
H6F10 speed	7/16/09 9:46	7/29/09 12:56	18911	Failure-FN magnet came unattached
H6 RH/T	12/18/08 11:08	12/30/08 13:15	17408	Off-FN sensor offline while tip is used as replacement in ambient sensor
H5 PM/filter, Atm P	3/18/09 17:39	3/30/09 16:07	17189	Off-FN TEOM offline while awaiting a new battery
H5F6Ane	11/20/08 9:56	12/1/08 13:09	16034	DAC-FN broken signal wire
H5F6 speed	3/11/08 15:22	3/21/08 17:16	14515	Failure-FN sensor failure
H5F12 speed	3/11/08 20:20	3/21/08 16:24	14165	Failure-FN sensor failure
H5 PM/filter, Atm P	9/9/08 14:39	9/19/08 10:20	14142	Off-FN TEOM moved into OFIS during house cleaning
H6F2Ane	9/30/08 13:01	10/9/08 16:06	13146	DAC-FN a broken cable
H6F6 RH/T	9/9/08 15:10	9/18/08 13:46	12877	Sampling Elsewhere-FN sensor covered during house cleaning
H5F6Ane	11/27/07 12:50	12/5/07 18:03	11833	Off-FN a sensor wire was disconnected
AirDAC SO2	3/10/09 13:15	3/18/09 13:00	11506	DAC-FN problem with analog output channel setting
H5F6Ane	10/1/07 0:01	10/8/07 15:49	11028	Systematic error-FN anemometers had incorrect AirDAC settings
H6F2Ane	10/1/07 0:01	10/8/07 15:49	11028	Systematic error-FN anemometers had incorrect AirDAC settings
H6F6Ane	10/1/07 0:01	10/8/07 15:49	11028	Systematic error-FN anemometers had incorrect AirDAC settings
H6F3 speed	9/22/08 5:50	9/29/08 17:34	10785	DAC-FN a broken cable
H5F2 speed	1/9/08 9:01	1/16/08 17:09	10569	Systematic Error-FN excessive distance between sensor and magnet
H6F10 speed	1/9/08 9:31	1/16/08 17:09	10539	Systematic Error-FN excessive distance between sensor and magnet
H6F6 speed	1/9/08 9:31	1/16/08 16:29	10499	Systematic Error-FN excessive distance between sensor and magnet
H5F11 speed	10/2/08 12:16	10/9/08 11:23	10028	Systematic Error-FN magnet dropped
H5 PM	12/1/08 13:54	12/8/08 12:37	10004	Systematic Error-noise in system suggests filter not seated properly
H6F1 speed	7/17/08 12:16	7/24/08 10:53	9998	Systematic Error-FN magnet fell off
H5F7 speed	7/17/08 12:31	7/24/08 10:53	9983	Systematic Error-FN magnet fell off
H6W Act	9/23/08 6:14	9/29/08 14:39	9146	DAC-FN suggest there was no power signal to sensor
H6F4 speed	8/7/08 8:58	8/13/08 13:06	8889	Failure-FN sensor error
GSS signals	7/16/08 14:37	7/22/08 14:56	8660	Systematic Error-nafion tube left installed in sampling line affecting GSS data.
Amb PM	11/7/08 10:27	11/12/08 13:06	7360	Failure-FN problem with tape reel
H5 PM/filter, Atm P	1/23/08 19:02	1/28/08 11:43	6762	Off
H6F6 speed	5/15/08 19:02	5/20/08 11:43	6762	Systematic Error-FN magnet was missing
H6F11 speed	8/9/08 7:56	8/13/08 14:42	6167	Failure-FN sensor error

Variable	Start Date/Time	End Date/Time	Minutes	Comment
H6F5 speed	6/26/08 8:01	6/30/08 11:20	5960	Failure-FN sensor failure
All DIO96H and 4303 signals	12/14/07 14:11	12/18/07 17:29	5958	DAC-Problem with USB modules encountered
H6F12 speed	4/24/08 9:53	4/28/08 11:03	5831	Failure-FN sensor repaired
H5F6 speed	4/24/08 13:47	4/28/08 9:23	5497	Failure-FN sensor failure
H6S T	9/18/08 16:17	9/22/08 9:23	5347	Systematic Error-unstable signal likely related to house cleaning
Wind D	10/1/07 0:01	10/4/07 14:32	5191	Systematic Error-FN sensor settings were changed
Amb PM	10/1/07 0:01	10/4/07 13:56	5155	Off-BG offline
INNOVA Signals	3/27/09 6:20	3/30/09 11:19	4620	Failure-FN chopper error occurred
EnviroNics signals	10/12/09 11:37	10/15/09 15:17	4541	Systematic Error-EnviroNics signal is false and related to AirDAC problem
GSS signals	9/1/09 10:52	9/4/09 12:43	4432	Low Flow-FN blockage in main flow restrictir
H5 PM and filter	3/21/08 12:07	3/24/08 13:28	4402	Systematic Error
H6F6 RH/T	1/25/08 12:57	1/28/08 13:13	4337	Failure-FN sensor tip failure
H5 dP	10/1/07 0:01	10/3/07 20:27	4106	Systematic Error-FN sensor settings were not correct
H6 dP	10/1/07 0:01	10/3/07 20:27	4106	Systematic Error-FN sensor settings were not correct"
H5-H6 dP	10/1/07 0:01	10/3/07 20:27	4106	"Systematic Error-FN sensor settings were not correct"
OFIS dP	10/1/07 0:01	10/3/07 20:27	4106	"Systematic Error-FN sensor settings were not correct""
OFIS HVAC	10/1/07 0:01	10/3/07 20:27	4106	""Systematic Error-FN sensor settings were not correct""
Smpl Q	10/2/07 11:39	10/4/07 17:19	3220	Off-FN sensor not connected
Smpl RH/T	10/2/07 11:44	10/4/07 17:19	3215	Systematic Error-FN AirDAC had incorrect settings for Sample RH/T sensor
H5 PM and filter	8/13/08 12:51	8/15/08 10:32	2742	Systematic Error-FN unstable signal caused by unstable filter
H5 PM/filter, Atm P	1/28/08 17:02	1/30/08 13:58	2697	Off
GSS signals	10/1/07 0:01	10/2/07 16:54	2453	Off-INNOVA offline
H6 PM	5/25/08 18:55	5/27/08 10:24	2370	Pegged-PM exceeds limits of analyzer
GSS signals	10/1/07 0:01	10/2/07 11:53	2152	Off-GSS turned off
H5F6Ane	6/19/08 7:23	6/20/08 18:55	2133	Systematic Error-error in signal likely related to cleaning activities
H6F5 speed	4/21/08 11:37	4/22/08 17:23	1787	Systematic Error-unsure of cause of poor signal quality
Amb PM	8/21/09 12:20	8/22/09 15:55	1656	Calibration-FN Beta Gage offline for recalibration and maintenance
Amb RH/T	1/17/08 12:02	1/18/08 14:46	1605	Off-FN sensor removed from trailer for testing in the trailer
Solar	2/9/09 16:32	2/10/09 16:45	1454	Failure-FN indicate sensor not working

APPENDIX E. DAILY MEAN DATA

Table E1. Daily means (SD) of weather parameters

Table E1. Daily means (SD) of weather parameters at Site CA2B for October, 2007.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15	16.2 (3.1)	73.2 (10.6)				
16	16.0 (2.6)	67.4 (14.9)				
17	15.2 (2.5)	69.9 (13.7)			151 (218)	
18	16.8 (4.4)	61.8 (17.3)			174 (244)	
19	19.5 (4.5)	64.9 (15.4)				
20	15.6 (2.3)	59.4 (15.4)			167 (239)	
21	14.3 (4.4)	52.7 (13.2)			178 (245)	
22	17.8 (6.0)	48.6 (17.7)			165 (231)	
23	19.7 (5.8)	44.3 (12.4)			170 (237)	
24	20.7 (7.0)	48.9 (17.5)			172 (240)	
25	19.2 (5.8)	59.0 (15.8)	1.51 (1.11)	336 (104)	160 (224)	100.1 (0.3)
26	16.8 (4.4)	63.2 (14.2)	2.42 (0.87)	322 (47)	173 (241)	99.9 (0.1)
27	18.3 (5.2)	63.1 (17.3)	2.24 (1.00)	333 (104)	143 (209)	100.6 (0.3)
28	19.9 (4.4)	63.2 (15.6)	2.17 (0.82)	318 (88)	156 (229)	100.9 (0.2)
29	19.2 (3.9)	67.1 (13.6)	2.10 (1.38)	35 (115)	130 (207)	100.6 (0.1)
30	15.2 (3.0)	76.0 (10.4)	2.87 (1.07)	338 (115)	143 (204)	100.8 (0.1)
31	14.9 (3.6)	78.4 (10.4)	1.62 (0.86)	327 (113)	131 (187)	100.9 (0.1)
Mean	17.4	62.4	2.13	337.0	158	100.5
n	17	17	7	7	14	7
SD	2.0	9.3	0.43	103.0	16	0.4
Min	14.3	44.3	1.51	35.0	130	99.9
Max	20.7	78.4	2.87	338.0	178	100.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for November, 2007.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	14.7 (4.2)	78.8 (13.1)	1.69 (1.07)	324 (94)	127 (197)	100.7 (0.2)
2	16.7 (4.3)	70.0 (15.0)	1.68 (0.90)	356 (112)	155 (219)	100.7 (0.1)
3	17.1 (5.4)	61.1 (21.6)	1.11 (0.68)	41 (109)	161 (226)	100.8 (0.1)
4	17.1 (4.8)	58.4 (15.5)	0.95 (0.69)	17 (120)	155 (223)	100.6 (0.1)
5	16.7 (5.4)	57.9 (16.5)	1.20 (0.86)	3 (114)	156 (220)	100.4 (0.1)
6	15.5 (4.9)	64.7 (14.7)	1.97 (1.00)	326 (83)	149 (214)	100.3 (0.1)
7	16.5 (5.5)	63.4 (15.9)	1.07 (0.68)	321 (111)	149 (214)	100.4 (0.1)
8	14.0 (3.7)	75.1 (10.6)	2.73 (1.13)	326 (48)	120 (183)	100.3 (0.1)
9	15.1 (3.3)	69.1 (13.5)	1.66 (0.78)	306 (84)	129 (193)	100.4 (0.1)
10	15.6 (4.4)	67.5 (15.9)	1.64 (0.82)	301 (100)	121 (188)	100.4 (0.2)
11	14.6 (1.7)	77.2 (12.1)	3.47 (2.24)	338 (109)	78 (135)	100.3 (0.1)
12	12.9 (4.4)	76.4 (10.7)	1.38 (0.93)	334 (106)	106 (173)	100.9 (0.1)
13	15.4 (3.9)	76.2 (8.0)	1.90 (1.32)	331 (101)	133 (190)	100.9 (0.2)
14						
15	16.5 (4.2)	77.2 (12.2)	1.76 (0.89)	20 (115)	131 (195)	100.4 (0.1)
16	16.0 (2.8)	77.3 (11.1)	2.72 (0.98)	331 (100)	126 (198)	100.5 (0.1)
17	14.6 (3.9)	78.1 (11.5)	1.61 (0.95)	326 (86)	133 (199)	100.6 (0.1)
18	13.9 (4.6)	80.1 (12.0)	1.50 (0.91)	335 (122)	111 (172)	100.5 (0.1)
19	14.8 (3.5)	78.6 (12.1)	2.43 (0.69)	332 (68)	122 (184)	100.6 (0.1)
20	11.2 (2.8)	64.4 (15.2)	3.13 (1.11)	315 (10)	133 (195)	100.6 (0.1)
21	10.5 (4.5)	54.6 (13.9)	1.67 (0.91)	339 (121)	129 (187)	100.6 (0.1)
22	10.2 (4.4)	62.3 (13.7)	1.90 (1.38)	320 (86)	124 (183)	100.5 (0.1)
23	9.7 (5.3)	52.1 (16.6)	2.34 (1.12)	335 (108)	131 (192)	100.5 (0.1)
24	10.0 (5.1)	57.1 (18.0)	1.73 (1.00)	105 (101)	121 (188)	100.6 (0.2)
25	9.7 (2.9)	65.3 (10.0)	1.26 (0.86)	330 (112)	63 (103)	100.5 (0.1)
26	10.4 (5.2)	65.8 (17.8)	1.15 (0.69)	85 (96)	112 (172)	100.9 (0.1)
27	10.2 (4.0)	64.2 (12.9)	2.83 (1.55)	339 (110)	94 (141)	100.9 (0.1)
28	10.1 (4.0)	55.0 (10.3)	1.58 (0.96)	343 (129)	118 (173)	101.2 (0.1)
29	10.1 (3.9)	67.2 (11.9)	1.35 (0.88)	22 (113)	109 (166)	100.6 (0.3)
30	8.5 (3.0)	57.0 (16.4)	3.15 (2.11)	334 (104)	117 (183)	99.7 (0.3)
Mean	13.4	67.3	1.88	342.0	125	100.6
n	29	29	29	29	29	29
SD	2.8	8.5	0.67	125.0	22	0.3
Min	8.5	52.1	0.95	3.0	63	99.7
Max	17.1	80.1	3.47	356.0	161	101.2

Table E1. Daily means (SD) of weather parameters at Site CA2B for December, 2007.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	6.8 (4.4)	61.9 (14.2)	2.62 (0.83)	112 (32)	117 (175)	100.0 (0.5)
2	8.3 (4.9)	52.3 (11.8)	3.65 (2.20)	119 (28)	112 (173)	101.4 (0.2)
3	11.3 (5.2)	45.0 (10.2)	1.53 (0.90)	105 (70)	119 (175)	101.7 (0.1)
4	11.3 (2.1)	71.7 (12.4)	2.35 (1.19)	326 (102)	54 (94)	101.4 (0.3)
5	12.9 (2.3)	82.5 (8.9)	2.36 (1.19)	345 (111)	117 (173)	100.5 (0.2)
6	10.4 (1.6)	91.4 (1.8)	3.83 (2.99)	130 (30)	19 (30)	99.8 (0.4)
7	11.3 (1.6)	80.8 (8.0)	2.95 (2.62)	244 (77)	38 (72)	99.8 (0.4)
8	7.2 (2.6)	75.7 (12.6)	2.57 (1.15)	330 (64)	120 (178)	100.2 (0.1)
9	6.7 (3.5)	70.0 (13.3)	1.47 (0.81)	360 (119)	122 (181)	100.7 (0.1)
10	7.7 (2.7)	76.0 (9.8)	1.71 (0.76)	345 (120)	113 (169)	100.2 (0.2)
11	6.9 (4.2)	59.7 (16.5)	1.85 (1.05)	339 (112)	120 (181)	100.8 (0.4)
12	6.6 (3.5)	67.7 (8.5)	1.49 (0.78)	33 (111)	88 (144)	101.4 (0.1)
13	6.3 (3.9)	68.5 (15.3)	1.26 (0.73)	17 (126)	112 (169)	101.1 (0.1)
14	6.8 (4.3)	68.4 (13.5)	1.61 (0.88)	103 (72)	105 (160)	101.1 (0.1)
15	8.0 (3.6)	71.8 (10.3)	1.04 (0.77)	347 (127)	108 (165)	101.2 (0.2)
16	7.4 (4.2)	73.6 (11.8)	1.63 (0.98)	124 (68)	99 (158)	100.5 (0.2)
17	9.4 (1.7)	81.3 (3.7)	3.47 (1.34)	137 (23)	59 (101)	100.5 (0.1)
18	11.2 (1.1)	90.1 (2.0)	4.35 (1.86)	147 (30)	20 (31)	100.4 (0.2)
19	11.7 (1.5)	82.5 (7.7)	1.93 (0.90)	149 (92)	93 (146)	100.9 (0.1)
20	10.5 (1.7)	77.2 (13.9)	4.66 (1.50)	273 (81)	102 (175)	100.8 (0.1)
21	5.4 (1.7)	72.0 (7.5)	2.77 (1.55)	334 (111)	105 (163)	101.3 (0.2)
22	6.3 (3.6)	74.7 (10.2)	1.24 (0.66)	216 (91)	101 (159)	101.8 (0.1)
23	5.4 (3.7)	79.6 (11.8)	1.58 (0.78)	90 (101)	90 (147)	101.8 (0.1)
24	7.4 (3.0)	76.2 (15.9)	3.74 (2.07)	338 (102)	63 (115)	101.4 (0.1)
25	5.9 (2.4)	70.7 (9.7)	2.13 (1.55)	102 (99)	89 (138)	101.5 (0.1)
26	6.8 (2.3)	66.2 (19.7)	5.09 (2.95)	335 (103)	114 (174)	101.1 (0.2)
27	4.4 (2.7)	59.6 (10.5)	2.73 (1.37)	351 (108)	93 (145)	101.2 (0.1)
28	5.4 (1.4)	77.0 (7.3)	3.21 (1.87)	121 (70)	24 (38)	101.0 (0.1)
29	8.6 (2.8)	77.2 (8.6)	1.46 (0.97)	128 (65)	57 (100)	101.0 (0.1)
30	8.7 (1.7)	83.1 (2.4)	2.69 (2.05)	323 (92)	53 (95)	101.3 (0.1)
31	5.0 (2.4)	79.2 (6.7)	1.95 (1.03)	359 (119)	56 (86)	101.4 (0.1)
Mean	8.0	73.0	2.48	38.0	87	100.9
n	31	31	31	31	31	31
SD	2.3	9.9	1.06	114.0	32	0.6
Min	4.4	45.0	1.04	17.0	19	99.8
Max	12.9	91.4	5.09	360.0	122	101.8

Table E1. Daily means (SD) of weather parameters at Site CA2B for January, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	4.7 (3.4)	83.3 (8.7)	0.93 (0.74)	347 (110)	85 (138)	101.1 (0.2)
2		78.7 (8.7)	1.28 (0.77)	142 (70)	88 (138)	100.6 (0.2)
3	10.6 (3.6)	63.7 (14.0)	2.65 (1.29)	133 (38)	50 (103)	100.2 (0.1)
4	10.9 (1.1)	81.6 (9.2)	8.39 (4.52)	135 (54)	9 (19)	99.3 (0.4)
5	8.7 (1.7)	86.4 (5.0)	4.11 (2.92)	131 (57)	43 (78)	99.6 (0.2)
6	8.8 (1.9)	79.8 (9.9)	2.07 (1.22)	112 (69)	86 (143)	99.9 (0.2)
7	8.4 (2.5)		2.47 (1.15)	325 (98)	120 (175)	100.5 (0.3)
8	7.0 (1.7)		3.11 (1.81)	129 (42)	22 (40)	100.8 (0.1)
9	8.0 (1.4)		1.62 (1.16)	317 (107)	54 (86)	101.1 (0.1)
10	9.5 (1.4)		1.77 (0.99)	120 (65)	40 (66)	101.1 (0.1)
11	9.5 (0.8)		1.23 (0.84)	322 (104)	26 (40)	101.1 (0.1)
12	10.5 (1.8)		1.67 (1.06)	312 (86)	93 (153)	101.2 (0.1)
13	10.4 (2.0)		1.25 (0.87)	116 (81)	95 (144)	101.3 (0.1)
14	8.2 (3.2)		1.42 (0.78)	30 (111)	115 (182)	101.3 (0.1)
15	5.5 (1.6)		1.33 (0.96)	2 (114)	45 (66)	101.0 (0.2)
16	6.0 (2.7)		2.07 (1.02)	338 (100)	110 (163)	100.7 (0.1)
17			1.28 (0.92)	14 (115)	129 (189)	100.9 (0.1)
18			1.32 (0.72)	90 (92)	125 (185)	101.0 (0.1)
19	8.8 (4.7)		1.42 (0.69)	93 (96)	125 (184)	101.1 (0.3)
20	7.4 (3.4)		2.32 (1.08)	83 (105)	107 (179)	100.1 (0.2)
21	7.7 (2.1)		2.97 (1.54)	128 (34)	67 (112)	100.2 (0.1)
22	7.9 (0.9)		2.27 (1.22)	99 (89)	42 (80)	100.4 (0.1)
23	7.4 (1.2)		1.91 (1.08)	47 (106)	23 (40)	100.0 (0.2)
24						
25	12.4 (2.1)	62.3 (5.7)	7.83 (2.00)	136 (10)	31 (48)	99.9 (0.2)
26	13.7 (2.3)	56.8 (7.3)	4.59 (2.37)	115 (35)	117 (182)	100.1 (0.4)
27	12.1 (1.1)	77.9 (7.5)	7.13 (3.37)	139 (25)	50 (112)	99.0 (0.2)
28	8.7 (2.0)	65.7 (13.9)	2.23 (1.43)	336 (121)	120 (217)	100.4 (0.5)
29	6.1 (2.2)	75.0 (5.6)	2.60 (1.46)	115 (81)	51 (76)	101.2 (0.1)
30	8.3 (1.8)	67.2 (9.8)	2.23 (1.64)	339 (121)	136 (215)	101.3 (0.1)
31	8.3 (1.7)	73.5 (6.7)	3.36 (1.60)	132 (50)	57 (99)	101.3 (0.3)
Mean	8.7	73.2	2.69	82.0	75	100.6
n	27	13	30	30	30	30
SD	2.1	8.9	1.90	107.0	38	0.6
Min	4.7	56.8	0.93	2.0	9	99.0
Max	13.7	86.4	8.39	347.0	136	101.3

Table E1. Daily means (SD) of weather parameters at Site CA2B for February, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	8.5 (1.8)	75.4 (9.0)	2.75 (1.45)	330 (101)	127 (195)	101.0 (0.1)
2	7.1 (2.1)	77.1 (7.8)	4.01 (3.19)	132 (72)	53 (88)	100.6 (0.4)
3	8.9 (2.3)	73.9 (8.5)	4.24 (2.96)	246 (93)	90 (156)	99.7 (0.2)
4	7.9 (2.5)	65.9 (13.3)	4.26 (2.28)	316 (24)	163 (231)	100.6 (0.2)
5	8.1 (3.8)	62.8 (11.6)	1.65 (0.94)	98 (102)	160 (226)	101.4 (0.1)
6	9.8 (3.5)	71.5 (7.7)	2.39 (1.54)	342 (124)	155 (220)	101.4 (0.1)
7	10.5 (4.5)	72.6 (12.3)	1.49 (0.99)	327 (96)	152 (218)	101.3 (0.2)
8	10.6 (3.8)	71.7 (14.4)	2.12 (0.96)	350 (126)	157 (228)	101.0 (0.1)
9	12.6 (4.2)	73.5 (10.0)	1.15 (0.69)	199 (95)	157 (224)	100.8 (0.1)
10	12.9 (4.7)	74.5 (13.6)	1.38 (0.94)	12 (109)	152 (223)	100.8 (0.1)
11	12.0 (5.0)	76.1 (14.3)	1.58 (0.89)	62 (110)	149 (220)	100.8 (0.1)
12	14.5 (4.4)	71.6 (13.7)	1.51 (0.74)	80 (101)	165 (231)	100.6 (0.2)
13	11.9 (2.6)	62.8 (24.2)	4.87 (3.41)	343 (111)	141 (205)	99.8 (0.2)
14						
15	9.0 (4.7)	56.9 (14.6)	2.10 (1.02)	110 (55)	179 (247)	100.7 (0.1)
16	11.2 (4.9)	55.3 (13.2)	1.65 (0.73)	338 (115)	180 (247)	100.9 (0.2)
17	12.3 (5.2)	60.8 (15.0)	0.94 (0.72)	87 (100)	177 (244)	100.6 (0.1)
18	11.7 (4.3)	73.0 (12.8)	2.31 (1.06)	325 (74)	166 (242)	100.3 (0.1)
19	10.4 (2.7)	80.1 (8.0)	1.94 (0.80)	319 (89)	83 (119)	100.5 (0.1)
20	12.0 (2.3)	75.1 (11.5)	1.81 (0.99)	298 (107)	147 (233)	100.4 (0.1)
21	9.9 (2.0)	82.2 (4.2)	5.27 (2.60)	131 (27)	58 (97)	99.9 (0.2)
22	10.7 (1.2)	81.4 (4.3)	2.03 (1.10)	239 (90)	72 (118)	99.9 (0.2)
23	9.1 (2.4)	83.0 (7.6)	4.91 (3.16)	118 (22)	60 (108)	100.0 (0.3)
24	12.0 (1.4)	81.2 (5.6)	5.58 (2.68)	138 (48)	80 (123)	100.2 (0.4)
25	12.0 (3.1)	76.5 (12.4)	2.76 (1.35)	330 (85)	184 (265)	101.2 (0.1)
26	13.2 (4.3)	72.7 (10.9)	1.42 (0.85)	324 (108)	191 (258)	101.1 (0.2)
27	13.9 (3.9)	73.6 (11.4)	1.72 (0.93)	333 (112)	184 (254)	100.7 (0.3)
28	15.0 (5.4)	68.4 (16.5)	1.28 (0.78)	352 (109)	200 (270)	100.1 (0.1)
29	16.3 (5.2)	68.7 (15.9)	2.25 (1.38)	83 (104)	200 (271)	100.4 (0.1)
Mean	11.2	72.1	2.55	2.0	142	100.6
n	28	28	28	28	28	28
SD	2.2	7.1	1.36	113.0	45	0.5
Min	7.1	55.3	0.94	12.0	53	99.7
Max	16.3	83.0	5.58	352.0	200	101.4

Table E1. Daily means (SD) of weather parameters at Site CA2B for March, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	12.5 (2.2)	67.6 (13.8)	5.74 (1.55)	328 (16)	163 (241)	100.8 (0.1)
2	11.7 (3.6)	56.5 (11.8)	3.32 (2.32)	339 (104)	205 (271)	100.8 (0.1)
3	12.9 (5.2)	62.8 (15.7)	2.03 (1.09)	118 (91)	207 (277)	101.2 (0.2)
4	12.8 (4.6)	64.6 (14.5)	2.78 (1.32)	329 (95)	214 (281)	100.5 (0.3)
5	12.6 (4.2)	56.5 (15.4)	2.43 (1.16)	326 (109)	219 (287)	100.5 (0.2)
6	12.6 (4.4)	69.1 (11.1)	1.65 (0.95)	347 (105)	142 (210)	101.0 (0.1)
7	13.8 (4.7)	67.6 (12.5)	1.83 (0.80)	323 (89)	196 (261)	101.1 (0.1)
8	14.3 (3.3)	58.3 (10.7)	3.67 (1.86)	326 (100)	208 (275)	100.6 (0.2)
9	15.2 (5.4)	59.3 (13.8)	1.46 (0.98)	59 (109)	230 (288)	100.6 (0.1)
10	16.7 (5.1)	62.9 (17.6)	1.87 (0.85)	64 (107)	206 (275)	101.0 (0.1)
11	15.4 (3.6)	68.6 (10.1)	3.45 (1.23)	332 (63)	166 (232)	101.0 (0.2)
12	14.5 (4.1)	66.8 (14.4)	2.83 (1.67)	332 (114)	196 (279)	100.7 (0.1)
13	15.9 (3.4)	67.4 (12.9)	2.51 (1.58)	338 (125)	186 (276)	100.5 (0.1)
14						
15	10.8 (2.1)	61.8 (10.4)	4.32 (1.98)			100.1 (0.2)
16	11.5 (4.2)	50.1 (14.9)	7.11 (2.22)	322 (11)	240 (303)	100.2 (0.2)
17	12.0 (5.4)	51.0 (15.2)	2.50 (1.20)	358 (130)	237 (299)	100.9 (0.1)
18	15.4 (5.6)	60.3 (13.8)	1.69 (0.86)	52 (107)	224 (290)	100.9 (0.2)
19	14.7 (3.9)	68.5 (13.8)	2.71 (1.32)	335 (122)	234 (297)	100.7 (0.1)
20	12.5 (3.8)	63.7 (17.6)	3.74 (0.94)	337 (58)	240 (303)	101.0 (0.2)
21	12.5 (4.9)	60.7 (16.4)	3.99 (1.63)	324 (46)	240 (302)	101.3 (0.1)
22	14.8 (5.7)	55.9 (15.9)	1.64 (0.76)	344 (139)	248 (309)	101.0 (0.1)
23	16.2 (5.9)	58.3 (17.3)	1.83 (1.06)	351 (132)	252 (313)	100.8 (0.2)
24	16.4 (5.7)	58.7 (15.1)	3.61 (0.83)	341 (135)	251 (311)	100.5 (0.1)
25	16.0 (4.3)	64.3 (14.5)	3.92 (1.01)	337 (92)	193 (257)	100.7 (0.1)
26	12.8 (3.7)	64.2 (16.0)	4.59 (1.38)	331 (58)	249 (308)	101.0 (0.1)
27	10.8 (3.5)	54.5 (17.7)	4.36 (1.96)	324 (65)	244 (300)	100.9 (0.2)
28	14.1 (4.7)	55.1 (16.5)	1.60 (0.88)	320 (121)	231 (303)	100.2 (0.2)
29	14.5 (2.1)	72.1 (6.9)	2.18 (1.07)	324 (94)	125 (143)	100.0 (0.1)
30	11.9 (3.9)	60.2 (12.5)	1.70 (1.19)	313 (121)	222 (313)	100.3 (0.2)
31	11.5 (5.3)	59.0 (15.5)	1.86 (0.99)	325 (87)	257 (316)	100.6 (0.2)
Mean	13.6	61.6	2.96	341.0	215	100.7
n	30	30	30	29	29	30
SD	1.7	5.5	1.33	90.0	33	0.3
Min	10.8	50.1	1.46	52.0	125	100.0
Max	16.7	72.1	7.11	358.0	257	101.3

Table E1. Daily means (SD) of weather parameters at Site CA2B for April, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	14.5 (4.8)	53.8 (16.3)	1.55 (1.01)	347 (144)	252 (318)	100.3 (0.1)
2	14.5 (4.3)	61.1 (12.8)	2.25 (0.90)	312 (82)	174 (236)	100.2 (0.1)
3	15.8 (5.1)	58.1 (15.7)	2.34 (0.86)	334 (104)	261 (318)	100.7 (0.1)
4	15.3 (5.2)	54.6 (17.9)	2.95 (1.58)	340 (124)	241 (311)	100.6 (0.2)
5	12.7 (5.1)	61.4 (15.9)	3.44 (1.44)	334 (123)	258 (316)	100.2 (0.1)
6	13.0 (4.2)	60.8 (12.7)	3.84 (1.31)	333 (99)	260 (324)	100.4 (0.1)
7	12.1 (4.9)	60.8 (17.7)	3.56 (1.60)	330 (114)	272 (329)	100.6 (0.1)
8	11.6 (3.4)	59.6 (14.9)	3.16 (1.31)	330 (121)	184 (229)	100.2 (0.1)
9	13.0 (4.8)	61.7 (17.5)	3.85 (1.42)	334 (107)	275 (330)	100.2 (0.1)
10	15.8 (5.8)	58.0 (19.8)	3.03 (1.48)	328 (102)	276 (331)	100.5 (0.1)
11	19.1 (6.3)	51.2 (16.3)	0.99 (0.61)	17 (125)	281 (335)	100.6 (0.1)
12	21.9 (6.5)	52.6 (15.0)	1.44 (0.80)	41 (121)	284 (339)	100.5 (0.2)
13	23.0 (6.9)	48.6 (14.4)	1.92 (1.10)	46 (124)	288 (342)	100.2 (0.2)
14	15.7 (4.0)	50.8 (13.1)	5.31 (1.98)	339 (111)	279 (331)	100.2 (0.2)
15	12.0 (4.2)	52.0 (17.9)	4.55 (2.06)	332 (111)	289 (341)	100.6 (0.1)
16	15.0 (6.0)	49.5 (18.9)	3.26 (1.67)	333 (118)	294 (348)	100.5 (0.1)
17						
18						
19						
20	9.9 (4.0)	52.3 (15.3)	3.59 (1.17)	335 (112)	298 (350)	100.7 (0.1)
21	11.0 (4.7)	56.4 (17.8)	2.87 (1.03)	343 (144)	296 (348)	100.7 (0.1)
22	12.8 (4.3)	63.2 (14.6)	2.06 (0.88)	329 (94)	165 (243)	100.3 (0.1)
23	13.7 (3.3)	64.9 (14.5)	3.45 (1.90)	342 (116)	212 (300)	100.4 (0.2)
24	12.9 (5.7)	56.3 (18.1)	4.39 (1.84)	327 (46)	301 (355)	100.9 (0.1)
25	17.3 (6.0)	49.7 (15.5)	3.20 (1.49)	338 (134)	300 (348)	100.8 (0.2)
26	21.0 (6.2)	50.6 (14.1)	2.86 (1.18)	342 (141)	302 (348)	100.5 (0.2)
27	23.8 (6.3)	50.9 (14.7)	1.79 (1.18)	357 (139)	308 (354)	100.3 (0.1)
28	21.9 (4.8)	49.1 (10.7)	3.61 (0.87)	338 (124)	261 (312)	100.1 (0.1)
29	15.3 (3.1)	54.1 (8.0)	5.71 (1.24)	327 (37)	305 (351)	100.1 (0.1)
30	13.0 (4.1)	51.4 (18.4)	5.74 (2.62)	325 (38)	310 (354)	100.3 (0.1)
Mean	15.5	55.3	3.21	340.0	268	100.4
n	27	27	27	27	27	27
SD	3.8	4.9	1.21	95.0	40	0.2
Min	9.9	48.6	0.99	17.0	165	100.1
Max	23.8	64.9	5.74	357.0	310	100.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for May, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	15.8 (5.8)	48.3 (20.3)	3.46 (1.55)	329 (100)	316 (359)	100.2 (0.1)
2	17.8 (5.4)	48.9 (13.4)	2.00 (1.46)	352 (123)	254 (310)	100.2 (0.1)
3	17.1 (5.9)	57.5 (14.9)	3.22 (0.97)	330 (90)	296 (341)	99.9 (0.2)
4	18.5 (5.6)	56.7 (15.9)	2.92 (2.05)	315 (106)	300 (351)	99.4 (0.1)
5	19.1 (6.0)	58.2 (13.8)	1.77 (1.13)	18 (121)	305 (347)	99.6 (0.1)
6	19.9 (5.6)	60.3 (14.6)	2.81 (1.11)	327 (82)	307 (349)	99.8 (0.1)
7	18.5 (3.3)	55.1 (10.6)	3.51 (1.36)	341 (141)	309 (352)	100.0 (0.1)
8	19.6 (5.5)	51.8 (15.5)	2.18 (1.27)	337 (126)	304 (348)	99.9 (0.2)
9	17.7 (5.4)	52.8 (13.9)	3.82 (1.72)	327 (53)	303 (346)	99.8 (0.1)
10	20.5 (6.5)	49.6 (16.6)	2.86 (0.77)	333 (96)		100.0 (0.1)
11						
12						
13	21.8 (6.3)	40.8 (15.6)	3.38 (1.42)	335 (106)	320 (361)	100.0 (0.1)
14	24.6 (5.3)	45.9 (9.4)	1.72 (1.16)	340 (130)	278 (335)	100.0 (0.2)
15	27.6 (5.6)	49.5 (12.2)	1.50 (0.86)	358 (127)	307 (346)	99.8 (0.1)
16	29.1 (6.2)	48.1 (12.4)	2.72 (1.11)	47 (122)	316 (352)	100.0 (0.1)
17	28.7 (5.4)	44.6 (8.8)	2.78 (1.31)	342 (137)	322 (358)	100.1 (0.2)
18	27.9 (5.9)	37.2 (9.1)	3.49 (1.12)	346 (148)	328 (363)	99.9 (0.2)
19	25.7 (6.2)	43.5 (11.4)	2.92 (0.76)	333 (94)	323 (365)	99.7 (0.1)
20	22.9 (4.4)	47.1 (13.6)	4.62 (2.15)	326 (78)	312 (351)	99.8 (0.1)
21	18.8 (4.5)	44.6 (13.4)	7.68 (2.66)	324 (61)	323 (356)	99.6 (0.4)
22	19.6 (3.3)	35.4 (5.7)	8.59 (3.22)	319 (27)	319 (353)	98.4 (0.2)
23	18.8 (3.7)	49.3 (10.4)	2.35 (1.09)	290 (92)	287 (341)	98.5 (0.3)
24	14.5 (0.8)	71.8 (8.3)	2.18 (0.97)	310 (117)	76 (82)	99.8 (0.2)
25	15.8 (2.6)	70.5 (14.4)	2.76 (0.98)	319 (108)	156 (200)	99.8 (0.1)
26	17.7 (4.1)	57.1 (13.2)	2.51 (1.44)	338 (118)	298 (364)	100.0 (0.1)
27	16.4 (3.7)	64.0 (12.2)	3.34 (1.26)	319 (63)	206 (248)	100.0 (0.1)
28	17.2 (4.4)	59.2 (13.7)	3.51 (1.11)	327 (75)	321 (361)	100.2 (0.1)
29	17.9 (4.8)	56.4 (15.3)	3.55 (1.42)	330 (89)	327 (358)	100.3 (0.1)
30	19.3 (6.0)	58.3 (18.6)	3.12 (1.12)	332 (106)	328 (363)	100.2 (0.1)
31	18.2 (4.7)	60.9 (14.6)	3.92 (0.96)	327 (41)	328 (362)	100.3 (0.1)
Mean	20.2	52.5	3.28	334.0	292	99.8
n	29	29	29	29	28	29
SD	4.0	8.7	1.50	77.0	56	0.4
Min	14.5	35.4	1.50	18.0	76	98.4
Max	29.1	71.8	8.59	358.0	328	100.3

Table E1. Daily means (SD) of weather parameters at Site CA2B for June, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	19.2 (5.5)	54.7 (16.4)	3.57 (0.94)	329 (59)	336 (368)	100.2 (0.1)
2	19.0 (6.1)	53.8 (13.9)	3.63 (1.37)	326 (75)	333 (367)	100.1 (0.1)
3	19.9 (4.8)	56.2 (8.3)	3.90 (1.16)	333 (105)	316 (346)	99.8 (0.2)
4	19.0 (3.9)	46.7 (14.9)	6.16 (2.37)	327 (67)	334 (371)	99.5 (0.1)
5	21.1 (5.8)	50.0 (16.1)	3.67 (1.07)	337 (118)	337 (366)	99.7 (0.1)
6	20.0 (4.6)	47.2 (14.4)	5.43 (1.56)	333 (107)	339 (367)	99.8 (0.2)
7	21.0 (5.7)	42.9 (16.1)	5.41 (2.07)	323 (36)	346 (374)	99.7 (0.1)
8	23.9 (6.2)	41.2 (13.8)	3.12 (0.84)	337 (122)	348 (375)	99.7 (0.1)
9	26.4 (6.5)	40.8 (12.4)	3.18 (1.11)	338 (130)	356 (383)	99.6 (0.2)
10	24.5 (3.9)	35.4 (17.1)	7.10 (2.70)	328 (58)	361 (390)	99.6 (0.1)
11	23.6 (4.7)	31.4 (6.4)	5.64 (2.42)	316 (23)	361 (388)	99.7 (0.1)
12	24.7 (5.9)	38.7 (10.1)	2.57 (0.86)	334 (117)	351 (379)	99.6 (0.1)
13	27.2 (6.6)	39.5 (11.8)	2.95 (1.11)	344 (138)	342 (373)	99.7 (0.1)
14	25.1 (5.7)	45.9 (9.2)	3.25 (0.66)	334 (80)	330 (362)	99.8 (0.1)
15	24.9 (6.3)	45.9 (13.1)	3.26 (0.94)	327 (59)	349 (381)	99.7 (0.1)
16	23.7 (6.4)	45.6 (12.7)	3.51 (0.75)	333 (64)	361 (389)	99.8 (0.1)
17	23.5 (6.5)	50.1 (13.6)	4.00 (0.94)	328 (59)	349 (386)	100.1 (0.1)
18	25.3 (5.7)	37.9 (11.0)	4.46 (1.41)	338 (122)	359 (385)	100.2 (0.1)
19	26.4 (6.3)	39.6 (8.3)	3.36 (0.58)	344 (141)	355 (384)	99.9 (0.1)
20	29.9 (6.5)	38.6 (8.2)	2.26 (0.82)	355 (162)	345 (375)	99.8 (0.1)
21	29.6 (5.3)	40.5 (6.9)	2.38 (1.51)	353 (136)	248 (336)	99.8 (0.1)
22	26.2 (5.5)	37.5 (7.3)	3.73 (0.78)	347 (139)	346 (376)	100.0 (0.1)
23	23.1 (5.7)	45.9 (9.6)	3.24 (0.76)	336 (96)	337 (369)	99.8 (0.1)
24	23.6 (5.8)	52.9 (11.1)	2.69 (0.86)	330 (59)	299 (340)	99.7 (0.1)
25	22.7 (5.3)	55.9 (10.8)	3.05 (0.83)	329 (72)	318 (357)	99.7 (0.1)
26	23.7 (5.5)	59.2 (10.4)	2.69 (0.74)	336 (112)	289 (339)	99.6 (0.2)
27	26.4 (4.8)	55.1 (10.1)	2.68 (1.00)	329 (77)	279 (322)	99.5 (0.1)
28	24.0 (4.9)	55.2 (10.8)	3.44 (0.79)	327 (58)	305 (344)	99.8 (0.1)
29	23.8 (6.3)	54.2 (15.3)	2.94 (0.80)	332 (101)	329 (366)	100.0 (0.1)
30	23.8 (5.4)	56.9 (11.1)	3.46 (0.76)	332 (69)	337 (368)	100.0 (0.1)
Mean	23.8	46.5	3.69	334.0	333	99.8
n	30	30	30	30	30	30
SD	2.8	7.5	1.14	8.0	26	0.2
Min	19.0	31.4	2.26	316.0	248	99.5
Max	29.9	59.2	7.10	355.0	361	100.2

Table E1. Daily means (SD) of weather parameters at Site CA2B for July, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	22.8 (5.3)	60.1 (12.9)	3.66 (0.67)	330 (50)	329 (363)	99.8 (0.1)
2	24.0 (5.7)	51.8 (13.1)	3.27 (1.15)	330 (76)	339 (371)	99.6 (0.1)
3	24.8 (5.0)	52.9 (7.5)	3.80 (0.90)	338 (100)	334 (364)	99.7 (0.1)
4	22.2 (4.2)	61.1 (13.3)	3.53 (0.67)	334 (75)	286 (320)	99.9 (0.1)
5	24.2 (6.1)	60.2 (16.0)	2.99 (0.92)	330 (100)	342 (372)	99.7 (0.2)
6	26.8 (5.3)	56.2 (11.7)	2.99 (0.83)	331 (122)	324 (361)	99.3 (0.2)
7	30.6 (5.5)	50.0 (11.8)	1.23 (0.80)	335 (124)	311 (349)	99.1 (0.1)
8	32.1 (5.4)	47.9 (13.1)	2.28 (1.12)	345 (137)	315 (350)	99.1 (0.1)
9	31.4 (5.0)	41.8 (6.0)	3.87 (1.10)	339 (111)	300 (347)	99.0 (0.1)
10	30.8 (5.1)	45.2 (8.0)	3.10 (1.10)	335 (121)	300 (336)	99.0 (0.1)
11	25.8 (4.5)	56.3 (10.4)	2.91 (0.91)	323 (74)	287 (328)	99.4 (0.2)
12	25.2 (5.2)	58.6 (13.5)	3.66 (0.64)	333 (64)	308 (344)	99.9 (0.1)
13	27.0 (5.3)	52.1 (9.5)	3.51 (0.67)	327 (50)	301 (338)	99.8 (0.2)
14	27.3 (4.4)	52.0 (8.0)	3.71 (0.85)	326 (45)	297 (338)	99.7 (0.1)
15	24.1 (4.8)	60.2 (10.8)	3.88 (0.78)	326 (47)	311 (346)	99.9 (0.1)
16	22.8 (5.7)	61.5 (12.9)	3.31 (0.63)	331 (96)		100.0 (0.1)
17	26.0 (5.5)	47.5 (11.3)	3.06 (1.10)	334 (110)	334 (368)	99.9 (0.1)
18	24.9 (6.4)	53.0 (13.6)	2.60 (0.67)	326 (95)	337 (370)	99.5 (0.2)
19	26.4 (6.1)	48.1 (13.5)	2.42 (0.79)	332 (113)	324 (360)	99.2 (0.1)
20	22.4 (4.9)	55.0 (9.9)	3.23 (0.77)	329 (74)	258 (303)	99.6 (0.2)
21	20.7 (5.1)	61.7 (12.2)	3.44 (0.78)	330 (63)	314 (360)	99.9 (0.2)
22	23.4 (6.7)	53.7 (17.4)	2.59 (0.59)	325 (69)	332 (366)	99.7 (0.1)
23	26.8 (6.0)	48.6 (13.3)	1.66 (1.04)	345 (138)	315 (350)	99.6 (0.1)
24	26.1 (5.9)	47.3 (11.2)	2.34 (0.73)	326 (96)	332 (370)	99.6 (0.1)
25	26.3 (5.7)	51.1 (11.0)	2.51 (0.76)	326 (63)	316 (357)	99.6 (0.1)
26	27.0 (6.1)	46.1 (10.6)	2.72 (0.88)	335 (98)	319 (358)	99.7 (0.1)
27	25.3 (5.6)	49.2 (13.1)	2.76 (0.85)	334 (82)	321 (365)	99.7 (0.1)
28	23.3 (5.8)	53.4 (14.4)	2.71 (0.81)	327 (61)	324 (362)	99.9 (0.1)
29	23.5 (5.8)	50.8 (12.7)	2.97 (0.80)	332 (87)	312 (360)	99.9 (0.1)
30	24.5 (6.2)	51.5 (12.1)	2.32 (0.62)	335 (111)	321 (360)	99.8 (0.2)
31	25.6 (5.6)	42.8 (9.3)	2.50 (0.94)	332 (85)	320 (359)	99.6 (0.1)
Mean	25.6	52.5	2.95	332.0	315	99.6
n	31	31	31	31	30	31
SD	2.7	5.5	0.63	5.0	18	0.3
Min	20.7	41.8	1.23	323.0	258	99.0
Max	32.1	61.7	3.88	345.0	342	100.0

Table E1. Daily means (SD) of weather parameters at Site CA2B for August, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	24.7 (6.1)	46.6 (9.5)	2.58 (0.52)	333 (88)	321 (359)	99.6 (0.1)
2	26.2 (5.6)	49.7 (11.6)	2.95 (0.89)	336 (108)	319 (357)	99.5 (0.1)
3	24.7 (5.9)	45.4 (9.4)	2.59 (0.72)	336 (95)	326 (365)	99.5 (0.1)
4	24.9 (6.1)	51.0 (11.8)	2.09 (0.65)	325 (57)	318 (358)	99.6 (0.1)
5	25.0 (5.0)	47.2 (7.2)	2.29 (0.52)	327 (46)	253 (333)	99.7 (0.1)
6	26.4 (5.4)	45.7 (8.9)	2.48 (0.69)	332 (87)	283 (329)	99.7 (0.1)
7	26.5 (5.5)	42.4 (8.7)	2.40 (0.99)	328 (75)	303 (345)	99.6 (0.1)
8	23.9 (5.6)	54.7 (11.6)	2.61 (0.72)	330 (87)	308 (350)	99.7 (0.1)
9	23.1 (6.0)	53.5 (15.7)	2.68 (0.74)	335 (96)	314 (357)	99.9 (0.1)
10	25.5 (5.9)	47.1 (14.1)	2.23 (0.92)	330 (122)	313 (355)	99.9 (0.2)
11	28.0 (6.2)	44.4 (13.2)	1.80 (1.06)	332 (137)	310 (354)	99.6 (0.2)
12	28.3 (5.7)	45.5 (11.0)	1.84 (0.87)	324 (102)	309 (353)	99.3 (0.1)
13	29.6 (6.3)	49.4 (13.6)	1.73 (0.82)	323 (113)	299 (345)	99.3 (0.1)
14	30.2 (5.7)	46.2 (11.0)	2.15 (1.07)	326 (107)	287 (336)	99.4 (0.1)
15	29.9 (5.8)	40.7 (9.7)	1.96 (0.97)	327 (108)	281 (329)	99.4 (0.1)
16	29.4 (4.9)	42.7 (9.4)	2.23 (0.78)	324 (78)	284 (332)	99.3 (0.1)
17	24.8 (5.6)	57.7 (14.9)	2.45 (0.77)	331 (90)	285 (333)	99.5 (0.1)
18	22.4 (4.8)	62.4 (13.0)	3.41 (0.98)	337 (87)	283 (332)	99.7 (0.1)
19	21.7 (4.8)	61.9 (12.8)	3.39 (0.62)	337 (79)	257 (309)	99.8 (0.1)
20	23.7 (5.8)	62.3 (13.6)	2.96 (0.76)	339 (107)	277 (322)	99.6 (0.2)
21	25.4 (4.4)	60.0 (13.1)	2.86 (0.95)	342 (126)	277 (322)	99.4 (0.1)
22	26.3 (6.1)	54.6 (15.6)	1.70 (0.79)	327 (105)	284 (333)	99.4 (0.1)
23	25.8 (5.6)	56.9 (12.3)	2.37 (0.55)	327 (48)	271 (317)	99.5 (0.1)
24	26.9 (6.0)	53.9 (13.6)	2.31 (0.77)	330 (92)	271 (315)	99.5 (0.1)
25	26.6 (5.3)	44.0 (10.8)	3.37 (0.87)	340 (120)	281 (330)	99.3 (0.1)
26	24.6 (5.5)	47.8 (9.3)	2.60 (0.76)	334 (94)	279 (328)	99.3 (0.1)
27	27.5 (6.3)	45.6 (12.0)	2.24 (0.77)	337 (116)	246 (310)	99.4 (0.1)
28	29.5 (5.2)	44.8 (9.4)	1.84 (0.92)	342 (123)	270 (321)	99.2 (0.2)
29	30.8 (6.0)	43.5 (10.6)	1.60 (0.94)	348 (141)	267 (321)	99.0 (0.1)
30	27.8 (5.5)	39.9 (10.0)	2.84 (1.31)	334 (105)	272 (326)	98.8 (0.1)
31	21.4 (4.6)	45.6 (11.8)	3.14 (1.51)	337 (108)	273 (326)	99.2 (0.1)
Mean	26.2	49.5	2.44	333.0	288	99.5
n	31	31	31	31	31	31
SD	2.5	6.5	0.50	6.0	21	0.2
Min	21.4	39.9	1.60	323.0	246	98.8
Max	30.8	62.4	3.41	348.0	326	99.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for September, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	21.8 (4.8)	41.3 (11.4)	2.98 (1.44)	329 (89)	276 (329)	99.6 (0.1)
2	24.3 (6.3)	41.7 (13.3)	2.01 (0.72)	6 (122)	263 (319)	99.7 (0.1)
3	26.8 (6.4)	39.0 (10.6)	2.00 (0.75)	337 (113)	264 (320)	99.6 (0.1)
4	27.2 (6.5)	41.0 (11.5)	1.65 (0.88)	342 (121)	267 (322)	99.4 (0.2)
5	28.2 (5.9)	41.5 (10.1)	1.78 (1.00)	353 (140)	257 (313)	99.3 (0.1)
6	28.8 (5.7)	40.5 (9.4)	1.83 (1.02)	341 (135)	247 (303)	99.3 (0.1)
7	28.9 (6.5)	39.2 (10.6)	1.59 (1.24)	339 (128)	262 (321)	99.1 (0.1)
8	24.5 (6.1)	50.3 (13.5)	2.58 (0.83)	331 (52)	259 (314)	99.1 (0.1)
9	20.9 (5.3)	64.0 (15.5)	2.93 (1.11)	338 (86)	249 (304)	99.1 (0.1)
10	21.2 (5.8)	63.9 (17.1)	2.35 (1.00)	335 (107)	230 (285)	99.3 (0.1)
11	23.9 (5.7)	55.1 (14.6)	2.42 (0.90)	329 (97)	279 (306)	99.4 (0.1)
12	23.7 (5.9)	53.7 (14.8)	2.17 (0.81)	333 (84)	274 (315)	99.5 (0.1)
13	21.0 (6.2)	60.4 (17.2)	2.90 (0.90)	336 (77)	259 (305)	99.6 (0.1)
14	22.3 (6.0)	58.2 (15.3)	2.65 (0.76)	335 (94)	263 (304)	99.8 (0.1)
15	23.9 (6.0)	54.8 (14.2)			261 (300)	99.8 (0.2)
16	23.6 (5.4)	52.2 (12.3)			223 (271)	99.7 (0.1)
17					240 (289)	100.0 (0.1)
18					237 (288)	100.0 (0.1)
19					231 (284)	100.0 (0.1)
20					227 (282)	100.1 (0.1)
21					220 (281)	99.9 (0.1)
22					232 (288)	100.0 (0.1)
23					227 (283)	99.9 (0.1)
24					223 (279)	99.8 (0.1)
25					223 (279)	99.7 (0.1)
26					222 (278)	99.8 (0.1)
27					220 (276)	99.8 (0.1)
28					216 (273)	99.7 (0.1)
29					194 (261)	99.8 (0.1)
30					204 (263)	100.0 (0.1)
Mean	24.4	49.8	2.28	339.0	242	99.7
n	16	16	14	14	30	30
SD	2.7	8.9	0.47	85.0	22	0.3
Min	20.9	39.0	1.59	6.0	194	99.1
Max	28.9	64.0	2.98	353.0	279	100.1

Table E1. Daily means (SD) of weather parameters at Site CA2B for October, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	25.3 (5.9)	43.8 (8.4)	2.25 (1.18)	334 (93)	190 (256)	99.9 (0.2)
2	21.9 (2.9)	62.4 (7.7)	3.99 (1.16)	339 (81)	193 (258)	99.8 (0.1)
3	20.2 (3.5)	62.6 (13.1)	1.74 (1.13)	347 (120)	119 (183)	99.5 (0.2)
4						
5						
6						
7	21.3 (5.0)	62.3 (14.0)	1.87 (0.95)	330 (93)	204 (265)	100.4 (0.2)
8	21.3 (4.6)	58.3 (13.7)	1.92 (0.91)	335 (112)	203 (264)	99.9 (0.2)
9	17.3 (3.3)	45.4 (18.9)	5.13 (2.15)	338 (94)	203 (267)	99.7 (0.1)
10	13.9 (2.5)	38.8 (7.6)	4.71 (1.20)	335 (85)	197 (260)	99.7 (0.2)
11	13.2 (3.7)	38.7 (9.0)	4.05 (1.42)	333 (89)	196 (259)	99.8 (0.2)
12	12.9 (5.1)	40.2 (12.2)	2.06 (0.94)	319 (98)	197 (261)	100.5 (0.1)
13	15.5 (5.6)	37.9 (11.2)	1.45 (1.00)	26 (109)	192 (255)	100.9 (0.1)
14	18.1 (6.1)	37.0 (11.4)	1.08 (0.72)	61 (102)	190 (253)	100.5 (0.2)
15	19.4 (5.7)	41.6 (9.6)	1.20 (0.76)	347 (123)	186 (249)	100.2 (0.1)
16	20.4 (6.1)	47.0 (13.8)	0.87 (0.58)	357 (129)	184 (246)	100.3 (0.1)
17	21.3 (6.0)	45.8 (10.7)	1.52 (0.59)	40 (111)	163 (225)	100.2 (0.2)
18	20.5 (3.9)	49.7 (9.1)	2.33 (1.08)	334 (123)	115 (189)	100.1 (0.1)
19	18.1 (4.8)	52.8 (10.9)	2.41 (0.87)	334 (71)	172 (234)	100.1 (0.1)
20	16.7 (4.6)	60.5 (15.5)	2.85 (0.76)	337 (69)	173 (236)	100.5 (0.1)
21	17.9 (4.9)	57.0 (16.1)	2.16 (1.31)	333 (92)	168 (229)	100.5 (0.1)
22	19.9 (5.5)	47.7 (12.0)	0.77 (0.48)	348 (119)	168 (230)	100.4 (0.1)
23	20.7 (5.5)	48.9 (13.6)	0.90 (0.53)	21 (118)	165 (227)	100.2 (0.1)
24	19.7 (5.0)	49.2 (11.0)	1.03 (0.61)	58 (105)	156 (234)	100.2 (0.1)
25	20.8 (5.7)	47.3 (12.4)	1.07 (0.56)	10 (118)	162 (224)	100.2 (0.1)
26	20.5 (6.2)	49.7 (15.0)	1.19 (0.62)	5 (122)	164 (226)	100.3 (0.1)
27	18.2 (5.3)	59.0 (13.8)	1.41 (0.76)	326 (111)	134 (201)	100.6 (0.1)
28	19.9 (5.3)	54.9 (15.4)	1.13 (0.65)	321 (97)	156 (218)	100.6 (0.1)
29	19.6 (6.1)	53.4 (15.0)	1.80 (0.84)	108 (62)	145 (207)	100.1 (0.2)
30	17.5 (2.6)	64.0 (11.9)	2.45 (1.62)	150 (96)	54 (92)	99.9 (0.2)
31	18.9 (1.4)	70.3 (5.5)	3.29 (2.08)	141 (41)	56 (87)	100.5 (0.1)
Mean	19.0	50.9	2.09	355.0	164	100.2
n	28	28	28	28	28	28
SD	2.7	8.9	1.16	135.0	39	0.3
Min	12.9	37.0	0.77	5.0	54	99.5
Max	25.3	70.3	5.13	357.0	204	100.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for November, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	19.4 (1.6)	65.4 (9.9)	4.32 (1.90)	139 (25)	33 (74)	100.1 (0.2)
2	17.0 (2.7)	74.1 (12.8)	2.33 (1.01)	203 (87)	126 (189)	100.2 (0.1)
3	14.3 (2.3)	80.5 (9.2)	2.67 (1.71)	185 (90)	73 (135)	100.0 (0.3)
4	13.0 (2.3)	70.5 (12.3)	2.40 (1.31)	341 (122)	135 (200)	100.4 (0.2)
5	11.9 (3.4)	67.8 (11.9)	2.44 (1.01)	335 (95)	136 (196)	100.9 (0.1)
6	13.2 (3.8)	71.4 (11.8)	1.44 (0.90)	341 (119)	144 (204)	101.1 (0.1)
7	15.3 (5.0)	67.8 (15.7)	1.07 (0.79)	54 (108)	146 (207)	100.8 (0.2)
8	14.3 (3.8)	75.8 (9.3)	1.49 (1.07)	40 (113)	82 (135)	100.0 (0.4)
9	13.4 (2.5)	71.4 (12.0)	2.82 (1.68)	342 (131)	125 (197)	99.6 (0.1)
10	13.0 (3.4)	74.6 (10.5)	0.99 (0.72)	4 (128)	118 (182)	100.3 (0.2)
11	13.7 (3.6)	76.0 (9.6)	1.72 (1.01)	341 (117)	123 (179)	100.9 (0.1)
12	15.3 (3.7)	73.3 (12.6)	1.29 (0.94)	330 (119)	132 (195)	101.0 (0.1)
13	15.6 (4.6)	73.7 (12.5)	1.81 (1.20)	13 (136)	131 (192)	100.6 (0.2)
14	16.5 (4.1)	73.8 (10.9)	1.08 (0.65)	61 (110)	130 (188)	100.5 (0.1)
15	18.0 (5.2)	69.9 (14.6)	0.80 (0.62)	49 (111)	128 (187)	100.6 (0.1)
16	18.3 (5.2)	66.9 (14.5)	0.67 (0.47)	47 (109)	129 (188)	100.5 (0.1)
17	18.0 (5.4)	66.3 (13.8)	0.53 (0.38)	6 (122)	129 (188)	100.6 (0.1)
18	16.9 (6.1)	69.9 (16.7)	0.75 (0.62)	347 (112)	127 (184)	100.5 (0.1)
19	14.3 (4.2)	76.4 (12.2)	1.93 (1.15)	336 (98)	118 (178)	100.4 (0.1)
20	14.8 (3.3)	76.7 (7.9)	3.53 (1.26)	342 (113)	125 (182)	100.7 (0.1)
21	12.6 (3.4)	75.0 (7.3)	1.44 (0.76)	344 (134)	74 (123)	100.6 (0.1)
22			0.96 (0.59)	2 (111)	102 (158)	100.5 (0.1)
23			1.16 (0.81)	93 (108)	109 (166)	100.3 (0.1)
24			0.88 (0.62)	334 (124)	91 (147)	100.2 (0.1)
25			1.09 (0.73)	315 (104)	60 (98)	100.2 (0.2)
26			1.08 (0.64)	332 (125)	26 (33)	99.8 (0.1)
27			1.78 (1.20)	342 (124)	44 (65)	100.4 (0.2)
28			1.54 (1.03)	338 (130)	49 (85)	100.9 (0.1)
29			1.14 (0.74)	126 (98)	90 (144)	100.8 (0.1)
30			0.98 (0.68)	154 (87)	85 (132)	100.7 (0.1)
Mean	15.2	72.3	1.60	3.0	104	100.5
n	21	21	30	30	30	30
SD	2.1	3.9	0.87	138.0	34	0.3
Min	11.9	65.4	0.53	2.0	26	99.6
Max	19.4	80.5	4.32	347.0	146	101.1

Table E1. Daily means (SD) of weather parameters at Site CA2B for December, 2008.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1			1.13 (0.66)	158 (78)	34 (48)	100.6 (0.1)
2			2.14 (1.28)	338 (119)	42 (75)	100.7 (0.1)
3			1.33 (0.73)	143 (57)	23 (33)	100.7 (0.2)
4			1.26 (0.65)	118 (72)	57 (90)	100.4 (0.1)
5			1.37 (0.98)	135 (75)	48 (67)	100.9 (0.1)
6			1.40 (0.89)	152 (69)	25 (35)	101.0 (0.1)
7			1.40 (0.80)	346 (123)	61 (103)	100.6 (0.2)
8			1.29 (0.96)	285 (101)	24 (35)	100.4 (0.1)
9			1.07 (0.73)	242 (103)	89 (137)	101.1 (0.2)
10			1.06 (0.71)	67 (108)	89 (143)	101.3 (0.2)
11			1.53 (0.65)	126 (67)	65 (103)	100.6 (0.3)
12			1.78 (0.87)	64 (111)	75 (120)	99.8 (0.2)
13			2.39 (1.07)	340 (122)	90 (144)	99.6 (0.1)
14			4.50 (2.56)	118 (32)	59 (95)	99.9 (0.2)
15			3.58 (1.90)	160 (59)	78 (147)	99.5 (0.1)
16			1.99 (0.82)	81 (105)	65 (106)	100.0 (0.1)
17			3.40 (1.24)	344 (109)	114 (168)	100.0 (0.2)
18			3.17 (1.17)	124 (23)	104 (166)	100.6 (0.4)
19	8.2 (1.7)	67.9 (7.3)	2.53 (1.23)	113 (100)	58 (101)	101.2 (0.1)
20	4.9 (1.9)	80.8 (5.1)	2.26 (1.14)	346 (135)	98 (155)	101.2 (0.1)
21	6.3 (2.6)	86.5 (4.9)	3.07 (2.16)	138 (37)	38 (64)	100.5 (0.4)
22	9.0 (2.0)	77.0 (13.6)	1.96 (1.26)	30 (128)	108 (175)	99.7 (0.1)
23	8.1 (1.9)	77.8 (9.8)	2.09 (0.82)	100 (42)	72 (111)	99.9 (0.1)
24	9.9 (1.2)	70.8 (4.8)	4.57 (1.08)	132 (16)	24 (34)	99.7 (0.2)
25	9.1 (1.9)	69.7 (11.6)	3.66 (2.67)	326 (109)	76 (137)	99.3 (0.4)
26	6.1 (2.6)	67.2 (10.0)	2.52 (1.55)	339 (115)	120 (179)	100.8 (0.3)
27	6.4 (3.7)	68.5 (12.1)	1.55 (1.10)	119 (76)	108 (167)	101.4 (0.1)
28	8.3 (3.8)	67.7 (11.4)	1.28 (0.70)	105 (70)	115 (171)	101.3 (0.2)
29	9.4 (4.1)	73.2 (9.9)	1.33 (0.61)	40 (111)	108 (164)	101.0 (0.1)
30	6.9 (1.4)	87.4 (5.4)	1.15 (0.67)	326 (112)	56 (90)	100.8 (0.1)
31	6.4 (0.6)	91.1 (1.6)	1.34 (0.79)	163 (82)	26 (31)	100.9 (0.1)
Mean	7.6	75.8	2.10	91.0	69	100.5
n	13	13	31	31	31	31
SD	1.5	8.0	1.00	104.0	31	0.6
Min	4.9	67.2	1.06	30.0	23	99.3
Max	9.9	91.1	4.57	346.0	120	101.4

Table E1. Daily means (SD) of weather parameters at Site CA2B for January, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	6.9 (0.7)	84.0 (4.2)	1.52 (0.71)	128 (67)	26 (42)	100.7 (0.2)
2	7.4 (0.5)	86.7 (2.3)	2.71 (1.68)	143 (65)	29 (52)	100.1 (0.2)
3	6.0 (1.9)	83.1 (7.4)	3.05 (1.47)	344 (136)	78 (141)	100.2 (0.1)
4	5.3 (4.0)	72.8 (17.5)	1.18 (0.66)	37 (116)	120 (180)	100.7 (0.2)
5	6.7 (1.2)	85.4 (1.7)	2.28 (0.93)	129 (95)	34 (57)	100.8 (0.1)
6	7.8 (1.2)	83.1 (5.0)	1.62 (0.95)	326 (114)	54 (97)	101.1 (0.1)
7	6.1 (2.4)	85.7 (4.3)	0.94 (0.53)	71 (100)	38 (56)	101.0 (0.1)
8	6.5 (1.8)	86.3 (2.8)	3.40 (1.85)	356 (128)	38 (71)	100.7 (0.1)
9	8.5 (2.5)	77.2 (11.0)	1.82 (0.92)	107 (87)	113 (177)	101.2 (0.2)
10	8.1 (4.2)	77.0 (11.2)	1.15 (0.68)	110 (95)	122 (182)	101.9 (0.1)
11	8.3 (4.0)	78.4 (11.8)	1.40 (0.71)	104 (75)	114 (173)	101.6 (0.3)
12	10.2 (4.7)	73.0 (14.9)	1.54 (0.80)	111 (70)	117 (179)	101.2 (0.1)
13	12.1 (5.0)	67.7 (15.2)	1.24 (0.64)	97 (83)	127 (188)	101.1 (0.2)
14	12.4 (4.6)	69.1 (14.0)	1.04 (0.65)	73 (98)	124 (183)	100.8 (0.1)
15	11.0 (5.4)	72.2 (15.6)	1.09 (0.74)	112 (96)	123 (188)	100.7 (0.1)
16	12.4 (4.7)	69.1 (14.5)	0.95 (0.66)	56 (112)	126 (189)	100.9 (0.1)
17	12.1 (4.6)	68.6 (14.1)	0.97 (0.65)	359 (114)	127 (188)	100.9 (0.1)
18	12.3 (4.8)	64.2 (15.5)	1.17 (0.59)	353 (123)	132 (194)	101.0 (0.1)
19	12.6 (5.5)	63.5 (16.1)	1.08 (0.59)	355 (108)	134 (199)	100.9 (0.2)
20	11.8 (5.2)	64.9 (16.1)	1.09 (0.60)	322 (108)	132 (195)	100.5 (0.2)
21	11.4 (2.2)	76.5 (6.5)	1.43 (0.91)	356 (118)	36 (57)	100.1 (0.1)
22	12.3 (1.4)	86.7 (3.5)	1.57 (1.09)	336 (118)	35 (62)	100.1 (0.1)
23	12.8 (0.8)	89.8 (1.0)	1.19 (0.69)	314 (105)	21 (38)	100.2 (0.1)
24	13.7 (1.2)	85.0 (5.8)	1.82 (0.79)	28 (128)	63 (118)	100.5 (0.1)
25	10.0 (1.8)	74.2 (10.0)	1.61 (0.88)	6 (127)	85 (174)	100.2 (0.2)
26	8.2 (2.4)	76.2 (11.5)	2.49 (0.97)	337 (95)	126 (195)	100.4 (0.3)
27	7.2 (3.9)	69.2 (11.4)	1.88 (1.09)	9 (120)	143 (206)	101.6 (0.3)
28	8.4 (3.8)	70.8 (14.3)	1.67 (0.92)	4 (126)	141 (203)	101.5 (0.3)
29	9.8 (4.5)	72.7 (13.0)	1.49 (0.68)	100 (59)	145 (208)	101.3 (0.1)
30	11.1 (3.8)	75.4 (10.6)	1.13 (0.55)	308 (110)	141 (205)	101.0 (0.2)
31	10.2 (5.4)	75.8 (13.0)	1.18 (0.63)	54 (114)	128 (196)	100.6 (0.1)
Mean	9.7	76.3	1.57	36.0	96	100.8
n	31	31	31	31	31	31
SD	2.4	7.4	0.61	132.0	43	0.5
Min	5.3	63.5	0.94	4.0	21	100.1
Max	13.7	89.8	3.40	359.0	145	101.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for February, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	12.0 (4.1)	71.6 (11.8)	1.28 (0.90)	10 (126)	146 (208)	100.7 (0.1)
2	12.9 (4.7)	72.7 (13.5)	1.30 (0.60)	81 (101)	145 (208)	100.9 (0.1)
3	12.8 (5.5)	73.5 (14.8)	1.41 (0.64)	138 (97)	147 (211)	100.3 (0.3)
4	13.3 (4.7)	72.5 (13.0)	1.04 (0.60)	334 (120)	117 (175)	99.9 (0.2)
5	12.5 (1.4)	74.5 (5.5)	2.74 (1.83)	124 (73)	68 (128)	99.9 (0.1)
6	12.0 (1.4)	80.2 (5.9)	2.27 (1.17)	114 (61)	72 (136)	99.5 (0.1)
7	12.5 (3.0)	74.9 (12.1)	1.73 (0.84)	326 (116)	130 (196)	99.5 (0.1)
8	11.0 (2.4)	76.4 (9.7)	4.02 (1.86)	165 (46)	111 (167)	99.6 (0.1)
9	8.6 (2.4)	67.7 (12.1)	2.04 (1.06)	343 (117)		99.9 (0.2)
10	8.0 (3.6)	64.9 (15.8)	2.12 (0.87)	64 (118)		100.7 (0.1)
11	9.2 (2.3)	72.9 (11.4)	3.43 (1.64)	136 (64)		100.6 (0.1)
12	9.1 (2.5)	73.1 (12.2)	1.46 (0.67)	118 (72)		100.6 (0.1)
13	8.3 (1.5)	77.3 (8.6)	3.44 (1.56)	147 (64)		100.1 (0.1)
14	9.5 (2.3)	71.7 (10.8)	5.08 (1.33)	144 (18)		100.2 (0.2)
15	10.3 (1.4)	66.5 (5.8)	6.12 (1.86)	124 (28)		99.4 (0.3)
16	10.3 (1.0)	73.8 (10.1)	6.17 (2.26)	135 (15)		99.0 (0.3)
17	9.2 (1.0)	80.4 (4.2)	6.13 (2.06)	135 (15)		100.0 (0.3)
18	11.2 (3.4)	70.9 (11.8)	1.64 (0.93)	116 (74)		100.9 (0.1)
19	12.2 (4.7)	67.8 (16.2)	1.38 (1.20)	70 (111)		100.8 (0.1)
20	11.9 (4.6)	69.1 (14.7)	1.87 (0.98)	335 (104)		100.5 (0.2)
21	11.3 (3.3)	76.9 (8.0)	2.31 (1.01)	127 (41)		100.3 (0.1)
22	13.7 (1.3)	82.0 (3.0)	6.17 (1.49)	139 (22)		100.3 (0.1)
23	15.4 (1.6)	80.1 (4.7)	3.21 (1.52)	140 (46)		100.4 (0.1)
24	14.1 (3.0)	70.2 (11.4)	2.44 (1.15)	354 (129)		100.5 (0.2)
25	14.0 (2.9)	64.3 (12.3)	2.38 (1.31)	2 (134)		100.5 (0.1)
26	13.8 (3.6)	71.8 (12.8)	2.64 (1.15)	51 (111)		100.7 (0.1)
27	11.8 (3.6)	66.1 (15.1)	2.95 (1.69)	348 (135)		100.6 (0.1)
28	13.1 (3.8)	74.1 (7.0)	1.64 (0.84)	131 (54)		100.3 (0.1)
Mean	11.6	72.8	2.87	97.0	117	100.2
n	28	28	28	28	8	28
SD	1.9	4.7	1.61	102.0	30	0.5
Min	8.0	64.3	1.04	2.0	68	99.0
Max	15.4	82.0	6.17	354.0	147	100.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for March, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	14.0 (1.0)	79.4 (6.9)	2.95 (1.85)	59 (113)		100.2 (0.1)
2	15.2 (1.7)	76.1 (7.1)	4.77 (1.86)	153 (30)		100.0 (0.1)
3	12.8 (1.4)	75.5 (8.9)	4.24 (2.36)	157 (36)		99.9 (0.2)
4	10.8 (2.0)	71.7 (13.7)	1.71 (1.13)	108 (91)		100.2 (0.2)
5	10.5 (3.7)	69.7 (14.1)	1.43 (0.69)	345 (119)		100.6 (0.1)
6	10.6 (2.9)	69.5 (13.8)	1.61 (0.91)	341 (126)		100.4 (0.1)
7	11.0 (4.3)	66.1 (17.8)	1.54 (0.79)	337 (134)		100.4 (0.1)
8	11.7 (5.2)	61.7 (17.4)	1.69 (1.04)	70 (115)		100.0 (0.2)
9	8.7 (2.5)	55.1 (15.8)	3.17 (1.55)	335 (98)		100.3 (0.2)
10	8.7 (4.3)	58.9 (17.8)	2.01 (0.99)	335 (122)		100.5 (0.2)
11	10.4 (5.1)	59.8 (17.2)	1.41 (0.79)	320 (117)		100.2 (0.1)
12	12.4 (5.1)	61.1 (15.4)	2.59 (0.94)	343 (122)		100.3 (0.1)
13	14.0 (5.0)	62.8 (15.8)	1.59 (0.85)	4 (147)		100.4 (0.2)
14	11.1 (3.5)	68.7 (14.3)	3.57 (1.07)	344 (119)		100.1 (0.1)
15	13.9 (4.3)	66.8 (13.7)	2.18 (1.32)	273 (106)		100.4 (0.1)
16	15.5 (3.9)	70.3 (13.2)	2.41 (1.42)	330 (118)		100.9 (0.1)
17	15.1 (3.6)	71.1 (14.7)	3.27 (1.37)	340 (82)		100.9 (0.2)
18	15.5 (4.7)	67.8 (17.5)	2.94 (1.36)	340 (96)		100.5 (0.3)
19	17.8 (4.8)	63.1 (14.3)	1.78 (0.98)	7 (144)		99.9 (0.2)
20	17.1 (5.0)	66.8 (15.3)	2.58 (0.90)	345 (146)		99.6 (0.1)
21	14.4 (3.3)	68.5 (11.0)	2.93 (1.52)	333 (123)		99.8 (0.1)
22	10.6 (2.2)	62.8 (13.2)	3.22 (1.76)	339 (136)		100.4 (0.4)
23	9.3 (3.8)	55.0 (16.4)	3.95 (2.33)	340 (104)		100.9 (0.1)
24	12.3 (5.2)	60.9 (14.7)	1.95 (1.66)	28 (126)		100.7 (0.2)
25	14.7 (4.7)	61.5 (15.7)	2.70 (1.52)	7 (129)		100.3 (0.2)
26	16.8 (4.8)	58.5 (17.9)	5.12 (2.27)	341 (104)		99.8 (0.1)
27	17.4 (5.4)	57.3 (15.9)	2.16 (0.98)	345 (144)		100.0 (0.1)
28	19.3 (5.9)	58.1 (18.9)	1.76 (0.89)	20 (123)		99.8 (0.2)
29	14.2 (3.0)	45.9 (20.1)	5.94 (2.21)	343 (112)		99.6 (0.1)
30	13.0 (4.2)	42.4 (9.7)	2.85 (1.70)	351 (145)		100.1 (0.2)
31	15.2 (5.3)	53.8 (17.2)	2.39 (1.23)	5 (143)		100.1 (0.3)
Mean	13.4	63.4	2.72	353.0		100.2
n	31	31	31	31	0	31
SD	2.8	8.1	1.12	139.0		0.3
Min	8.7	42.4	1.41	4.0		99.6
Max	19.3	79.4	5.94	351.0		100.9

Table E1. Daily means (SD) of weather parameters at Site CA2B for April, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	17.1 (5.0)	53.4 (16.7)	4.48 (2.37)	343 (126)		99.7 (0.1)
2	15.1 (4.1)	58.9 (14.7)	2.46 (1.36)	344 (139)		99.7 (0.1)
3	12.6 (4.3)	50.1 (22.6)	4.36 (2.56)	342 (121)		99.7 (0.1)
4	13.0 (5.3)	43.3 (16.1)	2.08 (1.01)	346 (135)		100.1 (0.1)
5	16.7 (6.5)	41.0 (19.3)	2.44 (1.52)	94 (74)		100.3 (0.2)
6	18.7 (6.7)	42.5 (15.5)	1.70 (1.09)	9 (132)		100.0 (0.2)
7	13.3 (2.6)	69.4 (16.2)	2.75 (1.71)	24 (121)		99.8 (0.2)
8	13.6 (3.0)	70.6 (15.1)	2.31 (1.21)	132 (95)		100.2 (0.1)
9	12.8 (1.7)	78.2 (8.0)	1.84 (0.97)	305 (109)		100.0 (0.2)
10	12.8 (2.5)	75.7 (12.4)	3.39 (1.20)	341 (86)		99.5 (0.1)
11	13.3 (4.4)	67.3 (16.3)	2.50 (1.15)	345 (142)		100.3 (0.3)
12	16.0 (4.9)	66.8 (16.0)	2.25 (1.10)	341 (138)		100.7 (0.1)
13	15.6 (4.1)	68.1 (12.1)	2.99 (1.04)	343 (129)		100.1 (0.3)
14	11.4 (2.4)	48.7 (15.3)	4.30 (1.98)	339 (123)		99.6 (0.1)
15	12.0 (3.8)	44.3 (13.3)	3.97 (1.68)	341 (129)		100.2 (0.2)
16	13.7 (5.4)	57.1 (17.8)	3.02 (1.65)	343 (134)		100.7 (0.1)
17	16.9 (5.6)	54.0 (16.1)	2.18 (1.23)	348 (150)		100.6 (0.2)
18	20.6 (5.6)	55.0 (14.9)	1.65 (0.74)	8 (146)		100.3 (0.1)
19	23.1 (6.3)	54.8 (17.1)	1.81 (0.73)	29 (135)		100.3 (0.1)
20	24.4 (6.2)	53.4 (14.7)	1.96 (0.92)	354 (150)		100.1 (0.2)
21	25.2 (5.5)	53.7 (13.4)	2.27 (1.06)	358 (141)		99.7 (0.2)
22	24.9 (6.0)	45.8 (14.4)	2.54 (1.34)	2 (149)		99.4 (0.1)
23	18.9 (4.3)	49.3 (16.6)	2.82 (1.55)	340 (136)	317 (380)	99.6 (0.1)
24	14.4 (3.6)	39.9 (14.2)	3.58 (1.48)	346 (130)	234 (301)	100.0 (0.1)
25	13.9 (5.6)	55.7 (17.4)	2.48 (1.55)	333 (116)	315 (365)	100.3 (0.1)
26	14.8 (5.4)	55.2 (18.4)	1.69 (0.89)	341 (138)	317 (367)	100.1 (0.2)
27	13.8 (4.0)	55.7 (14.7)	3.30 (2.00)	317 (119)	319 (370)	99.9 (0.1)
28	12.3 (4.2)	57.6 (15.7)	2.55 (0.93)	356 (153)	296 (354)	100.4 (0.1)
29	13.3 (5.1)	56.9 (18.0)	3.16 (1.32)	346 (141)	326 (375)	100.5 (0.1)
30	15.9 (5.8)	52.9 (17.9)	2.44 (0.84)	344 (129)	302 (366)	100.4 (0.2)
Mean	16.0	55.8	2.71	351.0	303	100.1
n	30	30	30	30	8	30
SD	3.9	9.9	0.79	129.0	28	0.4
Min	11.4	39.9	1.65	2.0	234	99.4
Max	25.2	78.2	4.48	358.0	326	100.7

Table E1. Daily means (SD) of weather parameters at Site CA2B for May, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	17.1 (2.3)	68.7 (16.8)	3.16 (1.96)	97 (107)	114 (178)	100.1 (0.1)
2	17.6 (1.8)	72.2 (8.7)	1.67 (1.18)	114 (88)	133 (165)	100.3 (0.2)
3	18.3 (2.4)	75.6 (8.9)	2.51 (1.19)	206 (86)	154 (217)	100.4 (0.1)
4	19.5 (4.1)	62.6 (14.7)	2.60 (1.66)	285 (108)	274 (326)	100.2 (0.1)
5	21.4 (3.5)	63.7 (11.8)	2.71 (1.69)	313 (110)	284 (353)	100.2 (0.1)
6	20.5 (4.5)	68.4 (15.1)	4.29 (1.35)	341 (83)	332 (375)	100.4 (0.1)
7	19.3 (4.4)	62.3 (21.6)	4.90 (1.39)	341 (81)	340 (386)	100.3 (0.2)
8	20.2 (5.0)	51.1 (18.6)	4.08 (1.50)	340 (95)	345 (388)	99.8 (0.2)
9	21.4 (5.4)	49.9 (15.5)	3.74 (1.19)	346 (136)	340 (386)	99.7 (0.1)
10	21.9 (5.8)	48.3 (16.4)	3.96 (1.35)	342 (117)	343 (385)	99.7 (0.1)
11	21.0 (5.4)	43.9 (12.9)	4.20 (1.04)	348 (152)	336 (378)	99.8 (0.1)
12	18.7 (5.2)	44.9 (13.9)	4.26 (1.35)	345 (123)	343 (385)	100.0 (0.1)
13	20.3 (5.4)	43.7 (15.7)	4.61 (1.32)	341 (88)	317 (364)	100.0 (0.1)
14	20.7 (5.0)	52.6 (12.9)	4.56 (1.36)	345 (129)	326 (371)	100.0 (0.1)
15	23.1 (5.8)	57.1 (18.0)	3.65 (0.90)	344 (118)	330 (375)	99.6 (0.2)
16	27.1 (6.1)	47.8 (12.1)	2.39 (1.00)	346 (151)	341 (379)	99.6 (0.1)
17	29.5 (6.0)	43.5 (11.9)	2.85 (1.39)	353 (143)	345 (384)	99.6 (0.1)
18	27.8 (5.2)	40.4 (8.8)	3.44 (1.00)	346 (126)	293 (368)	99.4 (0.0)
19	23.4 (4.7)	44.5 (12.0)	3.89 (1.36)	339 (95)	328 (378)	99.6 (0.1)
20	21.6 (5.6)	34.6 (10.0)	3.53 (1.01)	344 (114)	352 (391)	99.6 (0.1)
21	22.8 (6.5)	39.6 (13.3)	3.27 (1.11)	342 (107)	350 (388)	99.5 (0.1)
22	23.0 (5.8)	45.8 (12.1)	3.16 (1.05)	341 (112)	347 (385)	99.5 (0.1)
23	20.3 (5.6)	53.9 (14.8)	3.08 (1.23)	340 (98)	349 (386)	99.6 (0.1)
24	18.3 (5.5)	57.5 (16.0)	3.34 (0.92)	341 (95)	353 (389)	99.8 (0.1)
25	20.2 (6.4)	56.8 (16.5)	2.89 (1.02)	340 (112)	353 (388)	99.6 (0.2)
26	24.4 (5.9)	48.3 (12.5)	2.33 (1.10)	335 (125)	343 (377)	99.5 (0.1)
27	27.5 (5.3)	44.6 (10.3)	2.59 (1.12)	340 (137)	342 (375)	99.4 (0.1)
28	26.8 (5.5)	43.2 (10.2)	3.73 (1.20)	342 (91)	350 (377)	99.4 (0.1)
29	23.6 (4.5)	50.7 (8.1)	3.57 (1.21)	342 (105)	308 (353)	99.7 (0.1)
30	21.0 (5.1)	60.8 (11.7)	3.90 (1.00)	343 (101)	334 (383)	99.8 (0.1)
31	21.4 (5.2)	55.4 (14.0)	3.98 (1.52)	341 (87)	343 (376)	99.6 (0.2)
Mean	21.9	52.7	3.45	342.0	314	99.8
n	31	31	31	31	31	31
SD	3.1	10.1	0.75	62.0	62	0.3
Min	17.1	34.6	1.67	97.0	114	99.4
Max	29.5	75.6	4.90	353.0	353	100.4

Table E1. Daily means (SD) of weather parameters at Site CA2B for June, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	20.7 (4.6)	57.3 (11.4)	3.90 (1.03)	343 (95)	302 (320)	99.6 (0.1)
2	21.0 (4.0)	58.4 (11.3)	3.49 (1.09)	349 (134)	259 (303)	99.6 (0.1)
3	21.2 (4.7)	56.1 (14.6)	2.78 (1.44)	346 (128)	235 (281)	99.5 (0.1)
4	19.4 (3.9)	59.8 (13.1)	3.39 (1.67)	345 (131)	331 (385)	99.7 (0.1)
5	17.7 (3.0)	66.2 (12.3)	2.50 (1.31)	360 (134)	245 (351)	99.8 (0.1)
6	19.2 (4.5)	59.3 (15.4)	3.12 (1.21)	339 (97)	325 (372)	99.8 (0.1)
7	20.5 (5.2)	55.8 (16.2)	2.84 (1.28)	342 (131)	348 (378)	99.7 (0.2)
8	20.6 (5.1)	53.3 (15.6)	3.63 (1.42)	339 (89)	350 (381)	99.4 (0.1)
9	19.1 (4.8)	58.6 (15.4)	3.81 (1.43)	343 (105)	343 (383)	99.6 (0.1)
10	19.4 (3.8)	61.7 (12.3)	3.70 (1.18)	343 (101)	323 (379)	99.8 (0.1)
11	19.7 (4.6)	60.5 (13.3)	3.11 (1.38)	342 (120)	341 (375)	99.8 (0.1)
12	19.5 (4.5)	56.9 (14.1)	3.50 (1.23)	343 (99)	299 (333)	99.7 (0.1)
13	20.2 (3.8)	63.7 (10.9)	3.33 (1.44)	350 (137)	292 (368)	99.8 (0.1)
14	19.7 (4.9)	57.3 (17.3)	3.22 (1.11)	339 (101)	349 (382)	99.8 (0.1)
15	19.5 (4.3)	59.7 (14.4)	3.22 (1.05)	340 (81)	268 (296)	99.7 (0.1)
16	22.0 (5.2)	56.9 (15.2)	3.06 (1.21)	349 (139)	320 (363)	99.6 (0.1)
17	22.1 (5.3)	57.0 (13.8)	3.11 (1.02)	342 (110)	352 (379)	99.6 (0.1)
18	25.0 (6.2)	54.9 (14.0)	2.80 (1.05)	342 (117)	348 (375)	99.4 (0.2)
19	25.9 (5.1)	45.2 (13.0)	2.45 (1.57)	349 (140)	338 (373)	99.0 (0.1)
20	21.3 (5.5)	49.7 (14.1)	1.83 (1.15)	80 (99)	349 (382)	99.1 (0.1)
21	20.1 (4.9)	53.3 (12.8)	2.53 (1.27)	359 (146)	356 (383)	99.5 (0.1)
22	23.2 (5.5)	44.9 (16.3)	3.08 (1.46)	344 (136)	361 (388)	99.2 (0.2)
23	27.1 (6.0)	40.1 (13.2)	1.78 (1.00)	346 (142)	356 (385)	99.0 (0.1)
24	27.3 (5.8)	40.4 (11.4)	3.21 (1.59)	343 (128)	352 (381)	99.3 (0.1)
25	24.8 (5.5)	43.7 (12.2)	2.82 (1.41)	341 (129)	346 (376)	99.5 (0.1)
26	24.2 (6.1)	44.0 (13.1)	3.33 (1.19)	343 (119)	361 (389)	99.5 (0.1)
27	28.6 (6.4)	45.3 (14.5)	2.73 (1.07)	339 (138)	353 (382)	99.6 (0.1)
28	30.9 (5.9)	41.5 (9.4)	2.80 (1.16)	347 (154)	352 (380)	99.4 (0.2)
29	31.1 (5.7)	32.9 (8.7)	3.20 (1.35)	346 (140)	353 (382)	99.1 (0.1)
30	26.5 (6.1)	44.5 (11.6)	2.71 (1.32)	338 (110)	308 (374)	99.2 (0.1)
Mean	22.6	52.6	3.03	346.0	327	99.5
n	30	30	30	30	30	30
SD	3.6	8.2	0.50	48.0	35	0.2
Min	17.7	32.9	1.78	80.0	235	99.0
Max	31.1	66.2	3.90	360.0	361	99.8

Table E1. Daily means (SD) of weather parameters at Site CA2B for July, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	26.1 (5.6)	47.7 (12.8)	3.79 (1.06)	340 (77)	352 (378)	99.2 (0.1)
2	26.0 (6.2)	47.7 (12.1)	2.96 (0.82)	341 (100)	350 (380)	99.4 (0.1)
3	26.0 (6.1)	45.2 (12.0)	3.17 (1.03)	341 (93)	356 (383)	99.6 (0.1)
4	24.6 (5.5)	48.6 (9.6)	3.09 (1.07)	338 (94)	350 (379)	99.7 (0.1)
5	22.6 (5.5)	55.0 (14.1)	3.96 (1.41)	342 (93)	350 (379)	99.8 (0.1)
6	21.4 (6.3)	49.1 (18.7)	4.01 (0.80)	343 (106)	361 (389)	99.9 (0.1)
7	22.6 (6.3)	42.9 (15.9)	3.11 (0.88)	344 (126)	364 (393)	99.6 (0.1)
8	23.1 (5.5)	46.8 (13.4)	3.12 (0.99)	345 (130)	353 (384)	99.7 (0.1)
9	23.1 (5.6)	46.9 (12.9)	3.06 (0.99)	342 (124)	358 (389)	99.7 (0.1)
10	23.5 (5.9)	44.6 (14.2)	3.33 (1.06)	343 (108)	353 (383)	99.8 (0.1)
11	24.6 (4.4)	43.1 (9.0)	3.03 (1.07)	345 (138)	278 (345)	99.9 (0.0)
12	25.0 (4.8)	35.7 (10.0)	3.86 (0.78)	345 (118)	327 (362)	100.0 (0.1)
13	25.3 (5.7)	39.9 (10.3)	3.52 (0.96)	338 (93)	347 (378)	99.8 (0.2)
14	28.8 (5.7)	40.5 (8.7)	2.24 (1.08)	354 (153)	348 (380)	99.5 (0.1)
15	29.7 (5.7)	40.6 (7.8)	2.41 (1.24)	344 (150)	346 (378)	99.7 (0.1)
16	28.7 (5.7)	41.5 (8.5)	3.16 (1.00)	339 (85)	345 (378)	99.9 (0.1)
17	29.2 (5.3)	38.2 (7.2)	3.56 (0.85)	344 (137)	340 (373)	99.8 (0.1)
18	30.2 (5.2)	37.5 (8.9)	2.72 (0.99)	337 (109)	327 (375)	99.6 (0.1)
19	30.9 (5.4)	39.9 (8.5)	2.75 (0.93)	344 (137)	335 (367)	99.5 (0.1)
20	28.7 (5.1)	38.2 (8.9)	3.68 (1.51)	342 (126)	340 (373)	99.6 (0.1)
21	26.6 (5.4)	41.6 (9.5)	3.12 (1.26)	339 (111)	342 (373)	99.7 (0.1)
22	25.8 (5.4)	46.9 (10.6)	3.11 (0.97)	341 (117)	340 (373)	99.5 (0.1)
23	25.3 (5.6)	49.6 (12.0)	2.64 (1.06)	336 (87)	333 (369)	99.4 (0.1)
24	23.2 (5.6)	56.1 (13.4)	3.58 (1.02)	340 (84)	332 (366)	99.6 (0.1)
25	23.5 (6.6)	57.6 (16.7)	3.05 (0.68)	341 (105)	338 (373)	99.8 (0.1)
26	27.1 (6.1)	48.6 (13.3)	2.92 (0.90)	340 (119)	339 (376)	99.8 (0.1)
27	28.7 (5.7)	45.2 (11.4)	2.74 (0.89)	338 (122)	331 (368)	99.5 (0.2)
28	26.9 (4.9)	51.5 (10.1)	3.11 (1.09)	337 (106)	309 (363)	99.3 (0.1)
29	24.5 (5.2)	59.9 (11.7)	3.42 (0.81)	341 (101)	320 (360)	99.3 (0.1)
30	23.8 (5.4)	62.3 (13.2)	3.77 (0.89)	342 (105)	326 (364)	99.5 (0.1)
31	24.5 (5.4)	57.1 (14.1)	3.15 (1.12)	340 (102)	321 (361)	99.6 (0.1)
Mean	25.8	46.6	3.20	341.0	339	99.6
n	31	31	31	31	31	31
SD	2.5	6.9	0.43	3.0	17	0.2
Min	21.4	35.7	2.24	336.0	278	99.2
Max	30.9	62.3	4.01	354.0	364	100.0

Table E1. Daily means (SD) of weather parameters at Site CA2B for August, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	25.3 (5.2)	47.7 (11.5)	3.31 (1.44)	338 (95)	318 (357)	99.7 (0.1)
2	23.3 (5.1)	52.2 (11.5)	3.65 (0.97)	341 (88)	324 (363)	99.8 (0.1)
3	22.6 (5.3)	58.0 (14.7)	3.40 (1.03)	341 (96)	325 (366)	99.8 (0.1)
4	23.2 (5.3)	57.1 (15.1)	3.40 (0.93)	340 (92)	325 (367)	99.9 (0.1)
5	23.1 (5.2)	54.8 (14.1)	3.74 (1.58)	339 (91)	312 (358)	99.8 (0.1)
6	20.7 (3.8)	61.4 (13.1)	2.92 (1.49)	353 (150)	294 (356)	100.0 (0.1)
7	21.2 (4.9)	59.7 (15.0)	2.98 (1.02)	337 (96)	314 (357)	100.1 (0.1)
8	23.9 (5.4)	55.8 (13.8)	2.86 (1.03)	338 (124)	308 (352)	99.9 (0.1)
9	27.0 (5.3)	45.3 (11.5)	2.15 (0.89)	335 (135)	302 (348)	99.7 (0.1)
10	28.3 (5.1)	44.2 (10.7)	2.64 (1.11)	338 (134)	294 (335)	99.7 (0.1)
11	27.1 (4.7)	47.0 (8.7)	3.09 (1.19)	336 (104)	292 (337)	99.8 (0.1)
12	26.0 (5.6)	50.0 (11.9)	3.08 (1.00)	338 (115)	305 (352)	99.8 (0.1)
13	26.5 (4.8)	47.8 (10.1)	3.47 (0.65)	348 (154)	311 (357)	99.7 (0.1)
14	23.5 (4.3)	42.9 (10.6)	2.52 (1.25)	342 (132)	306 (354)	99.7 (0.1)
15	22.9 (6.2)	52.3 (14.4)	2.87 (1.00)	337 (116)	312 (360)	99.7 (0.1)
16	25.8 (5.5)	41.5 (11.6)	2.36 (0.99)	340 (142)	299 (344)	99.6 (0.1)
17	26.2 (5.5)	45.9 (12.0)	2.16 (0.92)	337 (133)	294 (340)	99.4 (0.1)
18	25.3 (5.9)	52.6 (13.1)	2.91 (1.02)	337 (101)	286 (331)	99.3 (0.1)
19	25.3 (5.3)	53.5 (11.0)	2.54 (1.16)	331 (77)	276 (325)	99.3 (0.1)
20	22.9 (5.2)	61.0 (12.9)	3.12 (0.80)	338 (84)	296 (345)	99.5 (0.1)
21	25.7 (6.1)	57.5 (12.4)	2.09 (0.87)	332 (100)	285 (336)	99.5 (0.1)
22	27.6 (4.7)	49.7 (12.2)	1.67 (0.90)	111 (97)	190 (251)	99.4 (0.1)
23	25.7 (4.7)	50.8 (12.4)	2.47 (1.52)	335 (106)	239 (321)	99.6 (0.1)
24	22.1 (6.1)	50.8 (15.5)	2.73 (0.72)	335 (81)	294 (345)	99.7 (0.1)
25	23.7 (6.3)	50.2 (14.5)	2.39 (0.99)	334 (78)	291 (346)	99.8 (0.1)
26	25.0 (6.4)	47.4 (13.9)	2.45 (1.12)	332 (79)	293 (345)	99.9 (0.1)
27	26.0 (6.2)	39.3 (10.3)	3.32 (0.84)	337 (82)	295 (347)	100.0 (0.1)
28	27.2 (5.8)	39.5 (10.7)	2.16 (1.05)	339 (127)	244 (311)	99.9 (0.1)
29	28.8 (6.2)	43.0 (11.9)	2.51 (1.42)	354 (147)	282 (335)	99.5 (0.2)
30	29.4 (5.6)	35.3 (10.6)	2.82 (1.95)	1 (150)	284 (338)	99.3 (0.1)
31	24.5 (4.8)	50.4 (11.7)	3.24 (1.15)	338 (84)	254 (323)	99.4 (0.1)
Mean	25.0	49.8	2.81	341.0	292	99.7
n	31	31	31	31	31	31
SD	2.2	6.5	0.50	71.0	28	0.2
Min	20.7	35.3	1.67	1.0	190	99.3
Max	29.4	61.4	3.74	354.0	325	100.1

Table E1. Daily means (SD) of weather parameters at Site CA2B for September, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	25.6 (6.1)	52.2 (15.3)	2.84 (1.16)	333 (76)	270 (327)	99.7 (0.1)
2	27.7 (5.2)	41.8 (9.1)	3.60 (0.93)	340 (81)	247 (309)	99.7 (0.1)
3	28.5 (5.4)	35.5 (9.6)	4.25 (0.89)	348 (147)	264 (323)	99.7 (0.1)
4	25.2 (5.5)	35.6 (11.5)	3.81 (1.26)	341 (104)	273 (329)	99.5 (0.1)
5	21.8 (5.3)	57.7 (11.0)	4.15 (1.02)	341 (88)	274 (331)	99.7 (0.1)
6	21.4 (4.0)	54.3 (16.2)	3.85 (1.10)	344 (122)	270 (325)	100.1 (0.1)
7	21.9 (5.2)	54.5 (15.9)	2.97 (0.83)	342 (134)	264 (321)	99.7 (0.2)
8	24.0 (6.0)	45.1 (15.8)	1.67 (1.00)	336 (131)	259 (321)	99.4 (0.1)
9	24.8 (5.4)	44.7 (11.6)	2.90 (0.81)	340 (128)	261 (318)	99.7 (0.1)
10	26.3 (5.4)	43.9 (12.1)	2.42 (0.80)	335 (99)	251 (312)	99.9 (0.1)
11	27.8 (5.5)	42.6 (10.4)	1.93 (1.02)	337 (127)	249 (311)	99.6 (0.2)
12	25.5 (3.4)	46.4 (7.8)	2.82 (1.91)	343 (131)	175 (258)	99.1 (0.2)
13	20.6 (3.8)	62.5 (13.3)	3.01 (1.33)	336 (91)	219 (291)	99.3 (0.1)
14	20.1 (3.0)	67.4 (14.4)	3.16 (0.91)	342 (115)	220 (292)	100.0 (0.2)
15	22.1 (4.8)	63.8 (15.3)	2.09 (0.85)	335 (123)	254 (313)	100.1 (0.1)
16	23.2 (4.7)	57.0 (13.5)	2.77 (0.82)	340 (122)	253 (313)	100.0 (0.1)
17	24.6 (4.8)	59.0 (12.7)	2.08 (0.92)	331 (112)	248 (308)	99.6 (0.2)
18	27.3 (6.0)	52.8 (15.0)	1.48 (0.88)	2 (127)	247 (308)	99.4 (0.1)
19	26.8 (5.0)	46.6 (12.4)	2.19 (1.14)	328 (109)	241 (312)	99.6 (0.1)
20	24.8 (4.9)	55.0 (11.3)	2.13 (0.89)	328 (100)	249 (311)	99.7 (0.1)
21	27.0 (4.9)	48.6 (12.4)	1.95 (0.83)	338 (134)	242 (304)	99.8 (0.1)
22	27.5 (5.3)	43.2 (12.2)	1.85 (0.94)	337 (136)	242 (304)	99.8 (0.1)
23	27.6 (5.5)	39.3 (9.5)	1.91 (1.12)	355 (136)	240 (304)	99.7 (0.1)
24	26.8 (5.3)	40.2 (10.5)	1.99 (1.14)	343 (138)	240 (303)	99.6 (0.1)
25	25.7 (5.6)	43.8 (11.5)	2.03 (0.99)	332 (90)	239 (302)	99.7 (0.1)
26	27.3 (5.9)	44.6 (11.7)	1.40 (0.79)	352 (125)	234 (297)	99.7 (0.2)
27	28.4 (5.6)	43.5 (10.4)	1.65 (0.74)	14 (125)	224 (292)	99.3 (0.2)
28	24.5 (4.3)	42.9 (11.7)	3.43 (1.51)	348 (135)	197 (272)	99.1 (0.1)
29	17.3 (2.6)	48.9 (7.8)	3.31 (1.49)	345 (119)	153 (207)	99.7 (0.2)
30	16.7 (4.5)	46.5 (18.0)	3.37 (1.55)	338 (109)	230 (296)	100.4 (0.1)
Mean	24.6	48.7	2.63	341.0	241	99.7
n	30	30	30	30	30	30
SD	3.1	8.1	0.81	83.0	27	0.3
Min	16.7	35.5	1.40	2.0	153	99.1
Max	28.5	67.4	4.25	355.0	274	100.4

Table E1. Daily means (SD) of weather parameters at Site CA2B for October, 2009.

Day	Temp, °C	RH, %	WS, m s ⁻¹	WD, °	SE, W m ⁻²	ATM, kPa
1	18.6 (5.7)	39.5 (11.3)	1.69 (1.03)	341 (131)	229 (293)	100.2 (0.2)
2	20.6 (6.0)	38.7 (13.9)	1.20 (0.72)	36 (115)	221 (287)	99.6 (0.2)
3	18.7 (3.9)	40.7 (7.4)	2.12 (1.39)	348 (134)	213 (279)	99.0 (0.2)
4	14.7 (3.8)	47.7 (14.6)	1.86 (0.92)	16 (131)	216 (283)	99.2 (0.2)
5	14.9 (4.9)	50.0 (16.2)	2.18 (1.16)	338 (125)	213 (279)	99.8 (0.1)
6	16.5 (5.3)	45.4 (13.2)	1.56 (1.00)	351 (134)	212 (278)	99.7 (0.1)
7	18.8 (5.6)	40.7 (13.2)	1.62 (1.07)	35 (118)	211 (278)	99.7 (0.1)
8	17.2 (5.2)	55.9 (14.8)	2.15 (0.93)	338 (110)	208 (273)	100.1 (0.1)
9	17.5 (5.3)	61.3 (17.1)	2.16 (1.05)	335 (101)	206 (270)	100.0 (0.2)
10	18.0 (5.3)	58.9 (15.6)	2.24 (0.92)	336 (103)	202 (266)	99.4 (0.2)
11	15.7 (4.1)	67.4 (13.0)	3.03 (1.46)	336 (91)	194 (260)	99.3 (0.1)
12	16.0 (3.5)	65.6 (13.2)	3.27 (1.69)	83 (107)	123 (188)	99.2 (0.1)
13	15.9 (1.0)	81.8 (10.3)	8.92 (2.22)	140 (16)	25 (43)	98.8 (0.2)
14	20.8 (3.3)	73.9 (16.4)	3.19 (1.66)	148 (61)	149 (239)	99.9 (0.3)
15	22.1 (3.0)	73.5 (10.6)	2.41 (1.47)	331 (114)	186 (257)	100.4 (0.1)
16	20.4 (3.1)	81.0 (10.0)	1.83 (0.97)	3 (138)	126 (207)	100.2 (0.2)
17	20.6 (3.3)	83.9 (10.4)	1.49 (0.79)	33 (113)	129 (200)	99.9 (0.1)
18	19.8 (3.7)	71.2 (14.6)	2.54 (1.96)	353 (138)	137 (211)	99.8 (0.1)
19	15.3 (2.3)	75.1 (9.1)	2.21 (1.05)	359 (124)	119 (190)	100.0 (0.1)
20	15.4 (3.0)	74.9 (12.3)	2.48 (1.10)	360 (134)	174 (255)	100.1 (0.1)
21	17.3 (3.9)	71.0 (12.3)	1.30 (0.75)	7 (124)	174 (244)	100.1 (0.1)
22	17.8 (3.7)	73.4 (11.2)	1.61 (1.26)	349 (128)	175 (238)	100.0 (0.1)
23	19.6 (4.5)	67.6 (15.4)	1.24 (0.71)	353 (119)	174 (238)	100.1 (0.1)
24	19.5 (4.0)	68.9 (12.1)	2.06 (1.20)	350 (121)	173 (235)	100.0 (0.1)
25	18.7 (3.8)	57.1 (12.7)	2.32 (1.15)	345 (128)	174 (244)	100.0 (0.1)
26	20.1 (5.2)	59.9 (18.8)	1.77 (1.27)	20 (124)	170 (240)	100.1 (0.2)
27	15.1 (1.9)	42.2 (14.5)	6.75 (2.49)	340 (106)	144 (197)	99.8 (0.1)
28	12.4 (3.0)	38.0 (9.3)	6.78 (2.56)	340 (90)	179 (246)	100.0 (0.1)
29	12.0 (4.7)	48.0 (13.8)	1.66 (0.85)	13 (136)	166 (232)	100.3 (0.1)
30	15.1 (5.6)	48.7 (16.2)	1.36 (0.78)	62 (112)	168 (234)	100.6 (0.1)
31	16.5 (4.7)	55.2 (10.8)	1.15 (0.82)	348 (122)	164 (228)	100.5 (0.1)
Mean	17.5	59.9	2.52	2.0	173	99.9
n	31	31	31	31	31	31
SD	2.5	14.1	1.74	147.0	41	0.4
Min	12.0	38.0	1.15	3.0	25	98.8
Max	22.1	83.9	8.92	360.0	229	100.6

Table E2. Animal and milk characteristics

Table E2. Daily means of animal characteristics at Site CA2B for October, 2007.

Day	House 5			House 6		
	Inventory	Mass, kg bird ¹	kg m ⁻²	Inventory	Mass, kg bird ¹	kg m ⁻²
1						
2						
3						
4						
5						
6	35,756	1.78		34,747	1.62	
7	35,748	1.78		34,743	1.62	
8	35,740	1.78		34,738	1.63	
9	35,732	1.78		34,734	1.63	
10	35,724	1.77		34,730	1.63	
11	35,716	1.77		34,725	1.64	
12	35,708	1.77		34,721	1.64	
13	35,701	1.77		34,717	1.64	
14	35,694	1.77		34,712	1.64	
15	35,688	1.76	32.3	34,707	1.64	29.2
16	35,682	1.76	32.2	34,702	1.64	29.3
17	35,675	1.76	32.1	34,697	1.65	29.3
18	35,669	1.75	32.1	34,692	1.65	29.3
19	35,662	1.75	32.0	34,687	1.65	29.3
20	35,655	1.75	32.0	34,682	1.65	29.3
21	35,646	1.75	32.0	34,676	1.65	29.3
22	35,638	1.75	32.0	34,669	1.65	29.3
23	35,629	1.75	32.0	34,663	1.65	29.3
24	35,620	1.75	32.0	34,657	1.65	29.3
25	35,612	1.75	32.0	34,650	1.65	29.3
26	35,603	1.75	32.0	34,644	1.65	29.3
27	35,596	1.75	32.0	34,638	1.65	29.3
28	35,589	1.75	32.0	34,633	1.65	29.3
29	35,582	1.75	32.0	34,627	1.65	29.4
30	35,575	1.75	32.0	34,622	1.65	29.4
31	35,568	1.76	32.0	34,616	1.66	29.4
Mean	35,662	1.76	32.0	34,686	1.64	29.3
n	26	26	17	26	26	17
SD	56	0.01	0.1	40	0.01	0.0
Min	35,568	1.75	32.0	34,616	1.62	29.2
Max	35,756	1.78	32.3	34,747	1.66	29.4

Table E2. Daily means of animal characteristics at Site CA2B for November, 2007.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	35,561	1.76	32.1	34,610	1.66	29.4
2	35,554	1.76	32.1	34,605	1.66	29.4
3	35,543	1.76	32.1	34,600	1.66	29.5
4	35,530	1.76	32.1	34,596	1.66	29.5
5	35,516	1.77	32.2	34,591	1.66	29.4
6	35,503	1.77	32.2	34,587	1.66	29.4
7	35,489	1.77	32.3	34,583	1.66	29.4
8	35,475	1.78	32.3	34,578	1.66	29.4
9	35,462	1.78	32.3	34,574	1.66	29.4
10	35,451	1.78	32.4	34,565	1.66	29.5
11	35,443	1.79	32.5	34,552	1.67	29.6
12	35,434	1.79	32.5	34,538	1.67	29.7
13	35,426	1.79	32.6	34,525	1.68	29.7
14	35,418	1.80	32.7	34,511	1.69	29.8
15	35,409	1.80	32.8	34,497	1.69	29.9
16	35,401	1.81	32.8	34,484	1.70	30.0
17	35,393	1.81	32.9	34,474	1.70	30.0
18	35,384	1.81	32.8	34,469	1.70	30.0
19	35,375	1.81	32.8	34,463	1.70	30.0
20	35,366	1.81	32.8	34,458	1.70	30.0
21	35,357	1.81	32.8	34,452	1.69	29.9
22	35,348	1.81	32.8	34,446	1.69	29.9
23	35,339	1.81	32.8	34,441	1.69	29.9
24	35,329	1.81	32.8	34,436	1.69	29.9
25	35,318	1.81	32.7	34,433	1.70	30.0
26	35,308	1.80	32.6	34,429	1.70	30.0
27	35,297	1.80	32.6	34,426	1.70	30.1
28	35,286	1.80	32.5	34,423	1.71	30.2
29	35,276	1.79	32.5	34,419	1.71	30.2
30	35,265	1.79	32.4	34,416	1.72	30.3
Mean	35,408	1.79	32.5	34,506	1.68	29.8
n	30	30	30	30	30	30
SD	86	0.02	0.3	68	0.02	0.3
Min	35,265	1.76	32.1	34,416	1.66	29.4
Max	35,561	1.81	32.9	34,610	1.72	30.3

Table E2. Daily means of animal characteristics at Site CA2B for December, 2007.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	35,255	1.79	32.3	34,411	1.72	30.3
2	35,246	1.79	32.3	34,404	1.71	30.1
3	35,237	1.78	32.2	34,398	1.70	30.0
4	35,228	1.78	32.2	34,392	1.69	29.8
5	35,219	1.78	32.1	34,385	1.68	29.6
6	35,210	1.77	32.0	34,379	1.67	29.5
7	35,201	1.77	32.0	34,372	1.66	29.3
8	35,191	1.77	32.0	34,366	1.66	29.3
9	35,181	1.77	32.0	34,361	1.66	29.3
10	35,170	1.78	32.1	34,355	1.66	29.2
11	35,160	1.78	32.1	34,350	1.66	29.2
12	35,150	1.78	32.1	34,345	1.66	29.2
13	35,139	1.79	32.2	34,339	1.66	29.2
14	35,129	1.79	32.2	34,334	1.66	29.2
15	35,118	1.79	32.2	34,326	1.66	29.2
16	35,107	1.79	32.2	34,315	1.66	29.2
17	35,096	1.79	32.2	34,304	1.66	29.2
18	35,085	1.79	32.2	34,293	1.66	29.2
19	35,074	1.79	32.2	34,282	1.66	29.2
20	35,063	1.79	32.2	34,271	1.66	29.2
21	35,052	1.79	32.2	34,260	1.66	29.2
22	35,038	1.79	32.2	34,252	1.66	29.2
23	35,021	1.79	32.2	34,246	1.66	29.2
24	35,004	1.80	32.3	34,240	1.67	29.3
25	34,988	1.80	32.3	34,234	1.67	29.3
26	34,971	1.80	32.3	34,228	1.67	29.4
27	34,954	1.81	32.4	34,222	1.68	29.4
28	34,937	1.81	32.4	34,216	1.68	29.5
29	34,921	1.81	32.4	34,209	1.68	29.5
30	34,904	1.81	32.3	34,201	1.69	29.6
31	34,888	1.80	32.3	34,193	1.69	29.6
Mean	35,095	1.79	32.2	34,306	1.67	29.4
n	31	31	31	31	31	31
SD	108	0.01	0.1	68	0.02	0.3
Min	34,888	1.77	32.0	34,193	1.66	29.2
Max	35,255	1.81	32.4	34,411	1.72	30.3

Table E2. Daily means of animal characteristics at Site CA2B for January, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,871	1.80	32.2	34,185	1.69	29.7
2	34,854	1.80	32.1	34,176	1.70	29.8
3	34,838	1.79	32.1	34,168	1.70	29.9
4	34,821	1.79	32.0	34,160	1.71	29.9
5	34,801	1.77	31.6	34,153	1.71	29.9
6	34,778	1.73	30.8	34,146	1.71	29.9
7	34,754	1.69	30.1	34,140	1.70	29.8
8	34,731	1.65	29.3	34,134	1.70	29.8
9	34,708	1.60	28.5	34,127	1.70	29.7
10	34,684	1.56	27.8	34,121	1.69	29.6
11	34,661	1.52	27.0	34,114	1.69	29.6
12	34,640	1.49	26.4	34,107	1.69	29.5
13	34,622	1.47	26.0	34,100	1.69	29.5
14	34,604	1.44	25.6	34,093	1.69	29.5
15	34,587	1.42	25.2	34,086	1.69	29.5
16	34,569	1.40	24.8	34,078	1.68	29.4
17	34,551	1.37	24.4	34,071	1.68	29.4
18	34,533	1.35	23.9	34,064	1.68	29.4
19	34,520	1.33	23.6	34,056	1.68	29.3
20	34,512	1.32	23.4	34,049	1.68	29.3
21	34,505	1.31	23.2	34,041	1.68	29.3
22	34,497	1.30	23.0	34,034	1.68	29.3
23	34,489	1.29	22.8	34,026	1.68	29.3
24	34,482	1.28	22.6	34,018	1.68	29.3
25	34,474	1.27	22.4	34,011	1.68	29.3
26	34,465	1.27	22.4	34,001	1.68	29.3
27	34,454	1.28	22.6	33,990	1.68	29.3
28	34,443	1.30	22.9	33,978	1.68	29.3
29	34,432	1.31	23.1	33,967	1.68	29.3
30	34,421	1.32	23.4	33,955	1.68	29.3
31	34,410	1.34	23.6	33,943	1.68	29.2
Mean	34,604	1.47	26.1	34,074	1.69	29.5
n	31	31	31	31	31	31
SD	142	0.19	3.5	68	0.01	0.2
Min	34,410	1.27	22.4	33,943	1.68	29.2
Max	34,871	1.80	32.2	34,185	1.71	29.9

Table E2. Daily means of animal characteristics at Site CA2B for February, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,399	1.35	23.9	33,932	1.68	29.2
2	34,391	1.36	24.0	33,922	1.68	29.2
3	34,384	1.37	24.1	33,913	1.67	29.1
4	34,377	1.37	24.2	33,905	1.67	29.0
5	34,370	1.38	24.3	33,897	1.67	28.9
6	34,363	1.39	24.4	33,888	1.66	28.9
7	34,356	1.39	24.5	33,880	1.66	28.8
8	34,349	1.40	24.6	33,871	1.65	28.7
9	34,343	1.40	24.7	33,862	1.65	28.6
10	34,337	1.41	24.9	33,852	1.64	28.5
11	34,331	1.42	25.1	33,843	1.64	28.4
12	34,326	1.43	25.3	33,833	1.63	28.3
13	34,320	1.44	25.4	33,823	1.62	28.2
14	34,314	1.45	25.6	33,814	1.62	28.1
15	34,308	1.46	25.8	33,804	1.61	28.0
16	34,302	1.48	26.0	33,793	1.61	28.0
17	34,295	1.50	26.3	33,782	1.62	28.1
18	34,288	1.51	26.6	33,771	1.63	28.3
19	34,282	1.53	26.9	33,760	1.64	28.4
20	34,275	1.55	27.2	33,748	1.65	28.5
21	34,268	1.56	27.5	33,737	1.66	28.7
22	34,261	1.58	27.8	33,726	1.67	28.8
23	34,253	1.60	28.0	33,710	1.67	28.8
24	34,244	1.61	28.3	33,691	1.66	28.7
25	34,235	1.62	28.5	33,671	1.66	28.7
26	34,226	1.63	28.7	33,652	1.66	28.6
27	34,217	1.65	28.9	33,633	1.65	28.5
28	34,208	1.66	29.1	33,613	1.65	28.4
29	34,199	1.67	29.4	33,594	1.64	28.3
Mean	34,304	1.49	26.2	33,790	1.65	28.6
n	29	29	29	29	29	29
SD	57	0.10	1.7	97	0.02	0.4
Min	34,199	1.35	23.9	33,594	1.61	28.0
Max	34,399	1.67	29.4	33,932	1.68	29.2

Table E2. Daily means of animal characteristics at Site CA2B for March, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,191	1.68	29.4	33,578	1.64	28.2
2	34,186	1.68	29.4	33,567	1.64	28.2
3	34,181	1.68	29.4	33,555	1.63	28.1
4	34,176	1.68	29.4	33,544	1.63	28.0
5	34,171	1.67	29.3	33,532	1.63	28.0
6	34,166	1.67	29.3	33,520	1.62	27.9
7	34,161	1.67	29.3	33,509	1.62	27.9
8	34,155	1.67	29.3	33,495	1.62	27.8
9	34,149	1.68	29.4	33,479	1.62	27.9
10	34,143	1.68	29.4	33,463	1.62	27.9
11	34,137	1.68	29.5	33,447	1.62	27.9
12	34,131	1.69	29.6	33,431	1.63	27.9
13	34,125	1.69	29.6	33,415	1.63	27.9
14	34,119	1.70	29.7	33,399	1.63	27.9
15	34,114	1.70	29.8	33,385	1.63	27.9
16	34,109	1.71	29.9	33,374	1.63	28.0
17	34,104	1.71	30.0	33,363	1.64	28.0
18	34,100	1.72	30.1	33,352	1.64	28.0
19	34,095	1.73	30.2	33,341	1.64	28.1
20	34,090	1.73	30.3	33,330	1.65	28.1
21	34,085	1.74	30.4	33,319	1.65	28.2
22	34,080	1.74	30.4	33,305	1.64	27.9
23	34,074	1.74	30.4	33,290	1.61	27.4
24	34,068	1.74	30.5	33,274	1.58	26.9
25	34,063	1.74	30.5	33,259	1.55	26.4
26	34,057	1.75	30.5	33,243	1.52	25.9
27	34,051	1.75	30.5	33,227	1.49	25.4
28	34,045	1.75	30.5	33,212	1.46	24.9
29	34,039	1.75	30.6	33,197	1.45	24.6
30	34,033	1.75	30.6	33,183	1.44	24.5
31	34,027	1.76	30.7	33,169	1.43	24.4
Mean	34,110	1.71	29.9	33,379	1.59	27.3
n	31	31	31	31	31	31
SD	49	0.03	0.5	123	0.07	1.2
Min	34,027	1.67	29.3	33,169	1.43	24.4
Max	34,191	1.76	30.7	33,578	1.65	28.2

Table E2. Daily means of animal characteristics at Site CA2B for April, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,021	1.76	30.7	33,155	1.43	24.2
2	34,014	1.76	30.7	33,140	1.42	24.1
3	34,008	1.77	30.8	33,126	1.41	24.0
4	34,002	1.77	30.8	33,112	1.40	23.8
5	33,997	1.77	30.8	33,102	1.39	23.6
6	33,993	1.77	30.8	33,096	1.37	23.2
7	33,989	1.77	30.8	33,090	1.35	22.8
8	33,985	1.77	30.8	33,084	1.33	22.5
9	33,981	1.76	30.7	33,077	1.30	22.1
10	33,977	1.76	30.7	33,071	1.28	21.7
11	33,973	1.76	30.7	33,065	1.26	21.4
12	33,968	1.76	30.7	33,058	1.25	21.2
13	33,962	1.76	30.7	33,050	1.25	21.2
14	33,956	1.76	30.6	33,042	1.25	21.2
15	33,950	1.76	30.6	33,035	1.25	21.2
16	33,943	1.76	30.6	33,027	1.25	21.2
17	33,937	1.76	30.6	33,019	1.25	21.2
18	33,931	1.76	30.6	33,011	1.25	21.2
19	33,923	1.76	30.6	33,003	1.25	21.2
20	33,914	1.76	30.6	32,996	1.25	21.2
21	33,904	1.76	30.7	32,989	1.26	21.3
22	33,895	1.76	30.7	32,982	1.26	21.3
23	33,886	1.77	30.7	32,975	1.26	21.4
24	33,876	1.77	30.7	32,968	1.27	21.4
25	33,867	1.77	30.7	32,961	1.27	21.4
26	33,858	1.77	30.7	32,955	1.27	21.5
27	33,849	1.77	30.7	32,951	1.28	21.6
28	33,841	1.76	30.6	32,948	1.29	21.8
29	33,833	1.76	30.5	32,944	1.29	21.9
30	33,824	1.76	30.5	32,940	1.30	22.0
Mean	33,935	1.76	30.7	33,032	1.30	22.0
n	30	30	30	30	30	30
SD	58	0.00	0.1	63	0.06	1.0
Min	33,824	1.76	30.5	32,940	1.25	21.2
Max	34,021	1.77	30.8	33,155	1.43	24.2

Table E2. Daily means of animal characteristics at Site CA2B for May, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	33,816	1.75	30.4	32,937	1.31	22.1
2	33,807	1.75	30.4	32,933	1.32	22.2
3	33,798	1.75	30.3	32,929	1.32	22.3
4	33,789	1.74	30.2	32,925	1.32	22.2
5	33,780	1.74	30.1	32,921	1.31	22.2
6	33,771	1.74	30.0	32,917	1.31	22.1
7	33,761	1.73	30.0	32,912	1.31	22.1
8	33,752	1.73	29.9	32,908	1.30	22.0
9	33,743	1.72	29.8	32,904	1.30	22.0
10	33,733	1.72	29.7	32,900	1.30	22.0
11	33,724	1.72	29.7	32,895	1.31	22.1
12	33,714	1.71	29.6	32,890	1.31	22.2
13	33,705	1.71	29.6	32,886	1.32	22.3
14	33,695	1.71	29.5	32,881	1.33	22.4
15	33,685	1.70	29.4	32,876	1.33	22.4
16	33,676	1.70	29.4	32,871	1.34	22.5
17	33,665	1.70	29.4	32,866	1.35	22.7
18	33,654	1.70	29.4	32,860	1.36	22.9
19	33,642	1.71	29.5	32,854	1.37	23.1
20	33,631	1.71	29.5	32,849	1.38	23.2
21	33,619	1.71	29.5	32,843	1.39	23.4
22	33,607	1.72	29.6	32,837	1.40	23.6
23	33,596	1.72	29.6	32,831	1.41	23.8
24	33,582	1.72	29.6	32,826	1.42	23.9
25	33,567	1.72	29.7	32,821	1.43	24.0
26	33,551	1.73	29.7	32,817	1.43	24.1
27	33,536	1.73	29.8	32,812	1.43	24.1
28	33,521	1.73	29.8	32,807	1.44	24.2
29	33,505	1.74	29.8	32,803	1.44	24.3
30	33,490	1.74	29.9	32,798	1.45	24.4
31	33,482	1.74	29.9	32,794	1.45	24.4
Mean	33,664	1.72	29.8	32,868	1.36	22.9
n	31	31	31	31	31	31
SD	99	0.02	0.3	44	0.05	0.9
Min	33,482	1.70	29.4	32,794	1.30	22.0
Max	33,816	1.75	30.4	32,937	1.45	24.4

Table E2. Daily means of animal characteristics at Site CA2B for June, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	33,482	1.74	29.9	32,790	1.46	24.5
2	33,482	1.74	29.9	32,785	1.46	24.6
3	21,973	1.74	19.6	32,781	1.47	24.7
4	5,232	0.54	4.7	32,777	1.48	24.8
5	0	0.00	0.0	32,772	1.48	24.9
6	0	0.00	0.0	32,768	1.49	25.0
7	0	0.00	0.0	32,764	1.49	25.1
8	0	0.00	0.0	32,760	1.50	25.1
9	0	0.00	0.0	32,756	1.50	25.2
10	0	0.00	0.0	32,752	1.50	25.3
11	0	0.00	0.0	32,748	1.51	25.3
12	0	0.00	0.0	32,744	1.51	25.4
13	0	0.00	0.0	32,740	1.52	25.5
14	0	0.00	0.0	32,734	1.52	25.6
15	0	0.00	0.0	32,727	1.53	25.7
16	0	0.00	0.0	32,720	1.54	25.9
17	0	0.00	0.0	32,713	1.55	26.0
18	0	0.00	0.0	32,706	1.56	26.1
19	0	0.00	0.0	32,699	1.57	26.3
20	0	0.00	0.0	32,692	1.58	26.4
21	0	0.00	0.0	32,685	1.58	26.5
22	0	0.00	0.0	32,679	1.58	26.4
23	0	0.00	0.0	32,673	1.57	26.4
24	0	0.00	0.0	32,668	1.57	26.3
25	0	0.00	0.0	32,662	1.57	26.2
26	0	0.00	0.0	32,656	1.56	26.2
27	25,224	1.02	18.6	32,650	1.56	26.1
28	35,607	1.44	26.3	32,645	1.55	25.9
29	35,603	1.44	26.3	32,640	1.52	25.4
30	35,600	1.44	26.3	32,635	1.49	24.9
Mean	7,540	0.37	6.1	32,717	1.53	25.6
n	30	30	30	30	30	30
SD	13,522	0.65	10.8	48	0.04	0.6
Min	0	0.00	0.0	32,635	1.46	24.5
Max	35,607	1.74	29.9	32,790	1.58	26.5

Table E2. Daily means of animal characteristics at Site CA2B for July, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	35,596	1.44	26.3	32,630	1.46	24.3
2	35,592	1.44	26.3	32,625	1.43	23.8
3	35,588	1.44	26.3	32,620	1.40	23.3
4	35,584	1.44	26.3	32,615	1.37	22.8
5	35,579	1.44	26.3	32,610	1.35	22.6
6	35,573	1.44	26.2	32,604	1.35	22.5
7	35,568	1.44	26.2	32,598	1.35	22.5
8	35,562	1.44	26.2	32,592	1.35	22.5
9	35,556	1.43	26.1	32,585	1.34	22.5
10	35,551	1.43	26.1	32,579	1.34	22.4
11	35,545	1.43	26.1	32,573	1.34	22.4
12	35,539	1.43	26.1	32,566	1.34	22.4
13	35,533	1.44	26.3	32,557	1.34	22.4
14	35,528	1.45	26.4	32,548	1.34	22.4
15	35,522	1.46	26.6	32,540	1.34	22.4
16	35,516	1.47	26.7	32,531	1.34	22.4
17	35,511	1.48	26.9	32,522	1.34	22.3
18	35,505	1.49	27.1	32,513	1.34	22.3
19	35,496	1.50	27.3	32,504	1.34	22.3
20	35,484	1.51	27.5	32,493	1.34	22.3
21	35,473	1.53	27.8	32,482	1.34	22.3
22	35,461	1.54	28.1	32,472	1.34	22.2
23	35,449	1.56	28.4	32,461	1.33	22.2
24	35,438	1.58	28.6	32,450	1.33	22.2
25	35,426	1.59	28.9	32,439	1.33	22.1
26	35,416	1.60	29.1	32,431	1.33	22.1
27	35,409	1.61	29.2	32,426	1.33	22.2
28	35,401	1.62	29.4	32,420	1.33	22.2
29	35,394	1.62	29.5	32,415	1.33	22.2
30	35,386	1.63	29.6	32,409	1.34	22.2
31	35,378	1.64	29.7	32,403	1.34	22.2
Mean	35,502	1.50	27.3	32,523	1.35	22.5
n	31	31	31	31	31	31
SD	68	0.07	1.3	73	0.03	0.5
Min	35,378	1.43	26.1	32,403	1.33	22.1
Max	35,596	1.64	29.7	32,630	1.46	24.3

Table E2. Daily means of animal characteristics at Site CA2B for August, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	35,371	1.65	29.9	32,398	1.34	22.3
2	35,364	1.65	29.9	32,392	1.35	22.4
3	35,358	1.65	30.0	32,385	1.37	22.7
4	35,351	1.65	30.0	32,378	1.39	23.0
5	35,345	1.65	30.0	32,371	1.40	23.3
6	35,339	1.66	30.0	32,364	1.42	23.6
7	35,332	1.66	30.0	32,357	1.44	23.9
8	35,326	1.66	30.1	32,350	1.46	24.2
9	35,321	1.66	30.1	32,342	1.47	24.3
10	35,318	1.66	30.1	32,333	1.46	24.3
11	35,314	1.66	30.1	32,324	1.46	24.2
12	35,311	1.66	30.1	32,315	1.46	24.1
13	35,307	1.67	30.2	32,306	1.45	24.0
14	35,303	1.67	30.2	32,297	1.45	24.0
15	35,300	1.67	30.2	32,288	1.44	23.9
16	35,296	1.67	30.3	32,274	1.44	23.9
17	35,291	1.67	30.3	32,257	1.45	24.0
18	35,287	1.68	30.3	32,239	1.45	24.0
19	35,283	1.68	30.4	32,222	1.46	24.1
20	35,278	1.68	30.4	32,204	1.47	24.2
21	35,274	1.69	30.5	32,186	1.47	24.3
22	35,269	1.69	30.5	32,169	1.48	24.4
23	35,266	1.69	30.6	32,160	1.48	24.4
24	35,263	1.70	30.7	32,160	1.48	24.4
25	35,260	1.70	30.8	32,160	1.48	24.4
26	35,257	1.70	30.8	32,160	1.48	24.4
27	35,254	1.71	30.9	32,160	1.48	24.4
28	35,251	1.71	31.0	21,105	1.48	16.0
29	35,248	1.72	31.1	5,025	0.46	3.8
30	35,245	1.72	31.1	0	0.00	0.0
31	35,242	1.72	31.0	0	0.00	0.0
Mean	35,298	1.68	30.4	28,957	1.32	21.5
n	31	31	31	31	31	31
SD	37	0.02	0.4	9,175	0.39	6.8
Min	35,242	1.65	29.9	0	0.00	0.0
Max	35,371	1.72	31.1	32,398	1.48	24.4

Table E2. Daily means of animal characteristics at Site CA2B for September, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ¹	kg m ⁻²	Inventory	Mass, kg bird ¹	kg m ⁻²
1	35,238	1.72	31.0	0	0.00	0.0
2	35,235	1.72	31.0	0	0.00	0.0
3	35,232	1.71	31.0	0	0.00	0.0
4	35,228	1.71	30.9	0	0.00	0.0
5	35,225	1.71	30.9	0	0.00	0.0
6	35,222	1.71	30.9	0	0.00	0.0
7	35,220	1.72	31.0	0	0.00	0.0
8	35,217	1.72	31.1	0	0.00	0.0
9	35,215	1.72	31.2	0	0.00	0.0
10	35,213	1.73	31.2	0	0.00	0.0
11	35,210	1.73	31.3	0	0.00	0.0
12	35,208	1.74	31.4	0	0.00	0.0
13	35,205	1.74	31.4	0	0.00	0.0
14	35,202	1.73	31.3	0	0.00	0.0
15	35,198	1.73	31.2	0	0.00	0.0
16	35,195	1.72	31.0	0	0.00	0.0
17	35,192	1.71	30.9	0	0.00	0.0
18	35,188	1.71	30.8	0	0.00	0.0
19	35,185	1.70	30.7	0	0.00	0.0
20	35,181	1.70	30.7	0	0.00	0.0
21	35,177	1.70	30.7	0	0.00	0.0
22	35,173	1.71	30.8	23,443	0.97	17.0
23	35,170	1.71	30.8	34,092	1.41	24.7
24	35,166	1.71	30.9	34,085	1.41	24.6
25	35,162	1.72	30.9	34,078	1.41	24.6
26	35,158	1.72	31.0	34,071	1.41	24.6
27	35,154	1.72	31.0	34,064	1.41	24.7
28	35,149	1.71	30.9	34,058	1.42	24.8
29	35,145	1.71	30.8	34,052	1.43	24.9
30	35,141	1.71	30.7	34,046	1.43	25.1
Mean	35,193	1.72	31.0	9,866	0.41	7.2
n	30	30	30	30	30	30
SD	28	0.01	0.2	15,182	0.63	11.0
Min	35,141	1.70	30.7	0	0.00	0.0
Max	35,238	1.74	31.4	34,092	1.43	25.1

Table E2. Daily means of animal characteristics at Site CA2B for October, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	35,136	1.70	30.6	34,039	1.44	25.2
2	35,132	1.70	30.6	34,033	1.45	25.3
3	35,127	1.69	30.5	34,027	1.46	25.4
4	35,123	1.69	30.5	34,022	1.46	25.6
5	35,118	1.70	30.6	34,019	1.47	25.7
6	35,113	1.70	30.6	34,015	1.48	25.9
7	35,109	1.70	30.7	34,012	1.49	26.1
8	35,104	1.71	30.8	34,008	1.50	26.2
9	35,099	1.71	30.8	34,004	1.51	26.4
10	35,094	1.72	30.9	34,001	1.52	26.6
11	35,090	1.72	31.0	33,997	1.53	26.7
12	35,085	1.72	31.0	33,993	1.53	26.7
13	35,080	1.73	31.1	33,989	1.54	26.8
14	35,075	1.73	31.1	33,985	1.54	26.8
15	35,070	1.73	31.2	33,980	1.54	26.9
16	35,065	1.74	31.2	33,976	1.55	26.9
17	35,060	1.74	31.3	33,972	1.55	27.0
18	35,055	1.74	31.2	33,969	1.55	27.0
19	35,050	1.73	31.2	33,967	1.56	27.1
20	35,045	1.73	31.1	33,965	1.56	27.2
21	35,040	1.73	31.0	33,963	1.56	27.3
22	35,035	1.72	30.9	33,961	1.57	27.3
23	35,030	1.72	30.8	33,959	1.57	27.4
24	35,025	1.71	30.8	33,957	1.58	27.5
25	35,021	1.71	30.7	33,955	1.58	27.5
26	35,017	1.71	30.7	33,952	1.58	27.5
27	35,013	1.71	30.8	33,950	1.58	27.5
28	35,009	1.71	30.8	33,948	1.58	27.5
29	35,005	1.72	30.8	33,945	1.58	27.5
30	35,001	1.72	30.8	33,943	1.58	27.5
31	34,997	1.72	30.9	33,940	1.58	27.5
Mean	35,065	1.72	30.9	33,982	1.54	26.8
n	31	31	31	31	31	31
SD	43	0.01	0.2	29	0.04	0.7
Min	34,997	1.69	30.5	33,940	1.44	25.2
Max	35,136	1.74	31.3	34,039	1.58	27.5

Table E2. Daily means of animal characteristics at Site CA2B for November, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,993	1.72	30.9	33,937	1.58	27.5
2	34,990	1.72	30.9	33,933	1.58	27.4
3	34,986	1.72	30.9	33,930	1.57	27.4
4	34,983	1.72	30.9	33,926	1.57	27.3
5	34,980	1.72	30.9	33,922	1.57	27.3
6	34,976	1.72	30.9	33,919	1.56	27.2
7	34,973	1.72	30.8	33,915	1.56	27.2
8	34,969	1.72	30.9	33,912	1.56	27.2
9	34,966	1.73	31.0	33,911	1.57	27.3
10	34,962	1.73	31.1	33,909	1.57	27.4
11	34,959	1.74	31.2	33,908	1.58	27.5
12	34,955	1.75	31.3	33,906	1.59	27.6
13	34,951	1.75	31.4	33,904	1.59	27.7
14	34,948	1.76	31.5	33,903	1.60	27.8
15	34,944	1.76	31.6	33,900	1.60	27.9
16	34,939	1.76	31.6	33,897	1.61	28.0
17	34,934	1.77	31.7	33,894	1.62	28.1
18	34,929	1.77	31.7	33,891	1.62	28.2
19	34,924	1.77	31.8	33,888	1.63	28.4
20	34,919	1.78	31.8	33,885	1.64	28.5
21	34,914	1.78	31.8	33,882	1.65	28.6
22	34,910	1.78	31.8	33,879	1.65	28.7
23	34,905	1.78	31.8	33,876	1.65	28.7
24	34,901	1.77	31.7	33,873	1.66	28.8
25	34,897	1.77	31.7	33,870	1.66	28.8
26	34,892	1.77	31.6	33,867	1.66	28.9
27	34,888	1.76	31.6	33,864	1.67	28.9
28	34,883	1.76	31.5	33,861	1.67	29.0
29	34,879	1.76	31.5	33,858	1.67	29.0
30	34,875	1.76	31.4	33,856	1.67	28.9
Mean	34,937	1.75	31.4	33,896	1.61	28.0
n	30	30	30	30	30	30
SD	36	0.02	0.4	23	0.04	0.7
Min	34,875	1.72	30.8	33,856	1.56	27.2
Max	34,993	1.78	31.8	33,937	1.67	29.0

Table E2. Daily means of animal characteristics at Site CA2B for December, 2008.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,870	1.76	31.4	33,855	1.66	28.9
2	34,866	1.76	31.4	33,853	1.66	28.8
3	34,862	1.75	31.4	33,851	1.66	28.8
4	34,857	1.75	31.3	33,850	1.65	28.7
5	34,853	1.75	31.3	33,848	1.65	28.7
6	34,846	1.75	31.2	33,845	1.65	28.6
7	34,835	1.74	31.1	33,841	1.65	28.6
8	34,825	1.74	31.0	33,837	1.65	28.6
9	34,814	1.73	30.9	33,833	1.65	28.5
10	34,803	1.72	30.8	33,829	1.64	28.5
11	34,793	1.72	30.7	33,825	1.64	28.5
12	34,782	1.71	30.6	33,821	1.64	28.5
13	34,774	1.71	30.5	33,818	1.64	28.4
14	34,768	1.71	30.5	33,815	1.64	28.4
15	34,762	1.71	30.5	33,812	1.63	28.3
16	34,756	1.71	30.6	33,810	1.63	28.3
17	34,750	1.72	30.6	33,807	1.63	28.2
18	34,744	1.72	30.6	33,804	1.62	28.2
19	34,738	1.72	30.6	33,801	1.62	28.1
20	34,731	1.72	30.7	33,797	1.62	28.1
21	34,722	1.73	30.7	33,792	1.62	28.1
22	34,714	1.73	30.8	33,786	1.62	28.1
23	34,705	1.73	30.9	33,781	1.62	28.2
24	34,696	1.74	30.9	33,776	1.63	28.2
25	34,688	1.74	31.0	33,770	1.63	28.2
26	34,679	1.75	31.1	33,765	1.63	28.2
27	34,672	1.75	31.1	33,761	1.63	28.2
28	34,665	1.74	31.0	33,759	1.63	28.1
29	34,659	1.74	30.9	33,756	1.62	28.1
30	34,653	1.74	30.8	33,754	1.62	28.0
31	34,646	1.73	30.8	33,752	1.62	28.0
Mean	34,759	1.73	30.9	33,807	1.64	28.4
n	31	31	31	31	31	31
SD	70	0.01	0.3	33	0.01	0.3
Min	34,646	1.71	30.5	33,752	1.62	28.0
Max	34,870	1.76	31.4	33,855	1.66	28.9

Table E2. Daily means of animal characteristics at Site CA2B for January, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,640	1.73	30.7	33,749	1.61	27.9
2	34,633	1.72	30.6	33,747	1.61	27.9
3	34,627	1.72	30.6	33,744	1.61	27.9
4	34,620	1.72	30.6	33,740	1.62	28.0
5	34,613	1.72	30.6	33,737	1.62	28.1
6	34,607	1.72	30.6	33,733	1.63	28.2
7	34,600	1.73	30.6	33,729	1.64	28.3
8	34,593	1.73	30.7	33,726	1.64	28.4
9	34,586	1.73	30.7	33,722	1.65	28.5
10	34,578	1.72	30.5	33,718	1.65	28.5
11	34,567	1.71	30.2	33,713	1.64	28.3
12	34,557	1.69	30.0	33,708	1.63	28.2
13	34,547	1.68	29.7	33,703	1.62	28.0
14	34,536	1.66	29.4	33,698	1.61	27.8
15	34,526	1.64	29.1	33,693	1.60	27.7
16	34,515	1.63	28.8	33,688	1.59	27.5
17	34,506	1.62	28.7	33,684	1.59	27.5
18	34,497	1.62	28.7	33,679	1.59	27.4
19	34,489	1.62	28.7	33,675	1.59	27.4
20	34,481	1.62	28.7	33,670	1.59	27.4
21	34,472	1.63	28.8	33,665	1.58	27.3
22	34,464	1.63	28.8	33,661	1.58	27.3
23	34,455	1.63	28.8	33,656	1.58	27.3
24	34,447	1.63	28.8	33,651	1.58	27.3
25	34,438	1.63	28.9	33,645	1.58	27.2
26	34,429	1.64	28.9	33,639	1.58	27.2
27	34,420	1.64	28.9	33,633	1.58	27.2
28	34,411	1.64	29.0	33,627	1.57	27.1
29	34,402	1.65	29.0	33,621	1.57	27.1
30	34,393	1.65	29.1	33,615	1.57	27.1
31	34,382	1.65	29.0	33,609	1.57	27.1
Mean	34,517	1.67	29.6	33,686	1.60	27.7
n	31	31	31	31	31	31
SD	79	0.04	0.8	42	0.02	0.5
Min	34,382	1.62	28.7	33,609	1.57	27.1
Max	34,640	1.73	30.7	33,749	1.65	28.5

Table E2. Daily means of animal characteristics at Site CA2B for February, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,369	1.64	28.9	33,602	1.57	27.1
2	34,355	1.64	28.8	33,596	1.58	27.2
3	34,342	1.63	28.7	33,590	1.58	27.2
4	34,328	1.62	28.6	33,583	1.58	27.3
5	34,314	1.62	28.5	33,577	1.59	27.3
6	34,301	1.61	28.4	33,570	1.59	27.3
7	34,290	1.61	28.3	33,564	1.59	27.4
8	34,282	1.61	28.3	33,557	1.59	27.4
9	34,274	1.61	28.3	33,550	1.59	27.4
10	34,266	1.61	28.3	33,544	1.59	27.4
11	34,257	1.61	28.3	33,537	1.60	27.5
12	34,249	1.61	28.3	33,530	1.60	27.5
13	34,241	1.61	28.3	33,523	1.60	27.5
14	34,232	1.61	28.3	33,517	1.60	27.5
15	34,223	1.61	28.3	33,510	1.60	27.5
16	34,214	1.62	28.4	33,504	1.60	27.6
17	34,205	1.62	28.4	33,497	1.60	27.6
18	34,195	1.62	28.5	33,490	1.61	27.6
19	34,186	1.63	28.5	33,484	1.61	27.6
20	34,177	1.63	28.5	33,477	1.61	27.6
21	34,166	1.63	28.6	33,471	1.61	27.6
22	34,154	1.63	28.6	33,464	1.61	27.6
23	34,142	1.63	28.6	33,458	1.61	27.6
24	34,131	1.63	28.6	33,452	1.61	27.6
25	34,119	1.64	28.6	33,445	1.61	27.6
26	34,107	1.64	28.6	33,439	1.61	27.6
27	34,095	1.64	28.7	33,432	1.61	27.6
28	34,084	1.64	28.7	33,427	1.61	27.6
Mean	34,225	1.62	28.5	33,514	1.60	27.5
n	28	28	28	28	28	28
SD	80	0.01	0.2	53	0.01	0.2
Min	34,084	1.61	28.3	33,427	1.57	27.1
Max	34,369	1.64	28.9	33,602	1.61	27.6

Table E2. Daily means of animal characteristics at Site CA2B for March, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	34,073	1.64	28.7	33,422	1.61	27.6
2	34,062	1.65	28.8	33,417	1.61	27.6
3	34,051	1.65	28.8	33,412	1.61	27.6
4	34,040	1.65	28.9	33,407	1.61	27.6
5	34,029	1.66	28.9	33,402	1.61	27.6
6	34,018	1.66	28.9	33,397	1.61	27.6
7	34,007	1.66	29.0	33,391	1.61	27.6
8	33,997	1.66	29.0	33,385	1.61	27.6
9	33,988	1.66	29.0	33,379	1.62	27.7
10	33,978	1.66	29.0	33,373	1.62	27.7
11	33,968	1.67	29.0	33,366	1.62	27.8
12	33,959	1.67	29.0	33,360	1.63	27.8
13	33,949	1.67	29.1	33,354	1.63	27.9
14	33,939	1.67	29.0	33,347	1.63	27.9
15	33,930	1.67	29.0	33,339	1.63	27.9
16	33,920	1.66	28.9	33,330	1.63	27.9
17	33,911	1.66	28.9	33,322	1.63	27.9
18	33,901	1.66	28.8	33,314	1.63	27.8
19	33,891	1.65	28.8	33,305	1.63	27.8
20	33,882	1.65	28.7	33,297	1.63	27.8
21	33,873	1.65	28.7	33,291	1.63	27.9
22	33,864	1.65	28.7	33,286	1.64	28.0
23	33,855	1.65	28.7	33,281	1.64	28.1
24	33,846	1.65	28.7	33,276	1.65	28.2
25	33,837	1.66	28.7	33,271	1.66	28.2
26	33,828	1.66	28.8	33,266	1.66	28.3
27	33,819	1.66	28.8	33,261	1.67	28.4
28	33,807	1.66	28.8	33,256	1.67	28.5
29	33,794	1.66	28.8	33,251	1.67	28.4
30	33,781	1.67	28.9	33,246	1.66	28.4
31	33,768	1.67	28.9	33,241	1.66	28.3
Mean	33,921	1.66	28.9	33,330	1.63	27.9
n	31	31	31	31	31	31
SD	87	0.01	0.1	57	0.02	0.3
Min	33,768	1.64	28.7	33,241	1.61	27.6
Max	34,073	1.67	29.1	33,422	1.67	28.5

Table E2. Daily means of animal characteristics at Site CA2B for April, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	33,755	1.67	29.0	33,236	1.66	28.2
2	33,742	1.68	29.0	33,231	1.65	28.2
3	33,729	1.68	29.0	33,226	1.65	28.1
4	33,716	1.68	29.1	33,220	1.65	28.1
5	33,703	1.68	29.1	33,215	1.65	28.1
6	33,690	1.68	29.1	33,209	1.65	28.2
7	33,677	1.68	29.1	33,204	1.65	28.2
8	33,664	1.69	29.1	33,199	1.66	28.2
9	33,651	1.69	29.1	33,193	1.66	28.2
10	33,638	1.69	29.1	33,188	1.66	28.2
11	33,626	1.69	29.1	33,182	1.66	28.2
12	33,615	1.68	29.0	33,176	1.66	28.2
13	33,604	1.68	28.9	33,171	1.66	28.2
14	33,593	1.68	28.9	33,165	1.66	28.2
15	33,582	1.67	28.8	33,159	1.66	28.2
16	33,571	1.67	28.7	33,154	1.66	28.2
17	33,560	1.66	28.6	33,148	1.66	28.2
18	33,549	1.66	28.6	33,142	1.66	28.2
19	33,538	1.66	28.6	33,137	1.66	28.2
20	33,526	1.67	28.7	33,132	1.66	28.1
21	33,515	1.67	28.7	33,127	1.66	28.1
22	33,504	1.67	28.7	33,121	1.65	28.1
23	33,492	1.68	28.8	33,116	1.65	28.1
24	33,481	1.68	28.8	33,111	1.65	28.0
25	33,468	1.68	28.8	33,105	1.65	28.0
26	33,454	1.68	28.9	33,099	1.65	28.0
27	33,440	1.68	28.9	33,093	1.65	28.1
28	33,426	1.68	28.9	33,088	1.65	28.1
29	33,411	1.69	28.9	33,082	1.66	28.1
30	33,397	1.69	28.9	33,076	1.66	28.1
Mean	33,577	1.68	28.9	33,157	1.66	28.2
n	30	30	30	30	30	30
SD	103	0.01	0.2	48	0.00	0.1
Min	33,397	1.66	28.6	33,076	1.65	28.0
Max	33,755	1.69	29.1	33,236	1.66	28.2

Table E2. Daily means of animal characteristics at Site CA2B for May, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	33,383	1.69	28.9	33,070	1.66	28.1
2	33,368	1.67	28.6	33,064	1.66	28.1
3	33,351	1.63	27.9	33,059	1.66	28.1
4	33,335	1.59	27.2	33,053	1.66	28.1
5	33,319	1.56	26.6	33,048	1.66	28.1
6	33,302	1.52	25.9	33,042	1.66	28.1
7	33,286	1.48	25.2	33,036	1.66	28.1
8	33,269	1.44	24.6	33,031	1.66	28.1
9	33,256	1.42	24.2	33,026	1.66	28.1
10	33,245	1.42	24.2	33,021	1.66	28.1
11	33,234	1.42	24.2	33,016	1.66	28.0
12	33,224	1.42	24.2	33,012	1.66	28.0
13	33,213	1.42	24.2	33,007	1.65	28.0
14	33,202	1.42	24.2	33,002	1.65	28.0
15	33,191	1.42	24.2	32,997	1.65	27.9
16	33,180	1.41	24.0	32,992	1.65	27.9
17	33,168	1.39	23.6	32,987	1.65	27.9
18	33,156	1.36	23.2	32,981	1.65	27.8
19	33,145	1.34	22.8	32,976	1.65	27.8
20	33,133	1.32	22.4	32,971	1.64	27.8
21	33,121	1.29	22.0	32,965	1.64	27.8
22	33,109	1.27	21.6	32,960	1.64	27.7
23	33,099	1.26	21.4	32,955	1.64	27.7
24	33,092	1.27	21.6	32,950	1.64	27.8
25	33,084	1.28	21.7	32,945	1.65	27.8
26	33,077	1.28	21.8	32,941	1.65	27.9
27	33,069	1.29	21.9	32,936	1.65	27.9
28	33,061	1.30	22.0	32,931	1.66	28.0
29	33,054	1.31	22.1	32,926	1.66	28.0
30	33,048	1.31	22.2	32,921	1.66	28.0
31	33,044	1.32	22.3	32,915	1.65	27.9
Mean	33,188	1.40	23.9	32,991	1.65	28.0
n	31	31	31	31	31	31
SD	102	0.12	2.1	46	0.01	0.1
Min	33,044	1.26	21.4	32,915	1.64	27.7
Max	33,383	1.69	28.9	33,070	1.66	28.1

Table E2. Daily means of animal characteristics at Site CA2B for June, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	33,041	1.32	22.4	32,909	1.65	27.8
2	33,037	1.33	22.5	32,904	1.64	27.7
3	33,033	1.34	22.6	32,898	1.63	27.6
4	33,030	1.34	22.7	32,892	1.63	27.5
5	33,026	1.35	22.8	32,886	1.62	27.4
6	33,023	1.36	23.0	32,881	1.62	27.3
7	33,020	1.38	23.3	32,878	1.62	27.4
8	33,017	1.40	23.6	32,874	1.62	27.4
9	33,015	1.41	24.0	32,871	1.62	27.4
10	33,012	1.43	24.3	32,868	1.63	27.4
11	33,009	1.45	24.6	32,864	1.63	27.4
12	33,006	1.47	24.9	32,861	1.63	27.5
13	33,003	1.48	25.1	32,855	1.63	27.5
14	32,999	1.48	25.1	32,848	1.63	27.5
15	32,994	1.49	25.2	32,840	1.63	27.5
16	32,990	1.49	25.2	32,833	1.63	27.4
17	32,986	1.49	25.3	32,825	1.63	27.4
18	32,981	1.50	25.3	32,817	1.63	27.4
19	32,977	1.50	25.3	32,810	1.63	27.4
20	32,973	1.50	25.3	32,802	1.63	27.4
21	32,969	1.50	25.3	32,795	1.63	27.4
22	32,964	1.49	25.2	32,787	1.63	27.4
23	32,960	1.49	25.2	32,780	1.63	27.4
24	32,956	1.49	25.1	32,773	1.63	27.4
25	32,951	1.48	25.1	32,765	1.63	27.4
26	32,947	1.48	25.0	32,758	1.63	27.4
27	32,943	1.49	25.1	32,750	1.63	27.4
28	32,940	1.51	25.4	32,743	1.63	27.4
29	32,937	1.52	25.7	32,736	1.63	27.4
30	32,934	1.54	26.0	32,729	1.63	27.4
Mean	32,989	1.45	24.5	32,828	1.63	27.4
n	30	30	30	30	30	30
SD	33	0.06	1.1	54	0.00	0.1
Min	32,934	1.32	22.4	32,729	1.62	27.3
Max	33,041	1.54	26.0	32,909	1.65	27.8

Table E2. Daily means of animal characteristics at Site CA2B for July, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	32,931	1.56	26.3	32,722	1.64	27.5
2	32,928	1.57	26.6	32,715	1.64	27.5
3	32,925	1.59	26.9	32,708	1.64	27.5
4	32,921	1.61	27.1	32,700	1.64	27.5
5	32,916	1.62	27.4	32,691	1.64	27.4
6	32,911	1.64	27.7	32,683	1.63	27.4
7	32,906	1.65	27.9	32,675	1.63	27.3
8	32,901	1.67	28.2	32,666	1.63	27.3
9	32,896	1.69	28.4	32,658	1.62	27.2
10	32,891	1.70	28.7	32,649	1.62	27.1
11	32,887	1.71	28.9	32,641	1.62	27.2
12	32,882	1.72	28.9	32,633	1.63	27.3
13	32,877	1.72	29.0	32,625	1.63	27.3
14	32,873	1.72	29.1	32,618	1.64	27.4
15	32,868	1.73	29.1	32,610	1.65	27.5
16	32,863	1.73	29.2	32,602	1.65	27.6
17	32,858	1.74	29.3	32,594	1.66	27.7
18	32,854	1.74	29.3	32,588	1.66	27.8
19	32,849	1.74	29.3	32,583	1.67	27.8
20	32,844	1.74	29.4	32,578	1.67	27.9
21	32,839	1.74	29.4	32,573	1.67	28.0
22	32,834	1.75	29.4	32,568	1.68	28.0
23	32,829	1.75	29.4	32,563	1.68	28.1
24	32,824	1.75	29.4	32,558	1.69	28.2
25	32,819	1.75	29.5	32,553	1.69	28.2
26	32,815	1.75	29.5	32,547	1.69	28.2
27	32,810	1.75	29.5	32,541	1.69	28.3
28	32,806	1.75	29.5	32,535	1.69	28.3
29	32,802	1.76	29.5	32,528	1.70	28.3
30	32,797	1.76	29.6	32,522	1.70	28.3
31	32,793	1.76	29.6	32,516	1.70	28.3
Mean	32,863	1.71	28.7	32,611	1.66	27.7
n	31	31	31	31	31	31
SD	42	0.06	1.0	62	0.03	0.4
Min	32,793	1.56	26.3	32,516	1.62	27.1
Max	32,931	1.76	29.6	32,722	1.70	28.3

Table E2. Daily means of animal characteristics at Site CA2B for August, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	32,789	1.76	29.6	32,511	1.70	28.3
2	32,785	1.76	29.6	32,506	1.70	28.3
3	32,780	1.76	29.6	32,501	1.70	28.3
4	32,776	1.76	29.6	32,496	1.70	28.2
5	32,772	1.76	29.6	32,491	1.69	28.2
6	32,767	1.76	29.6	32,486	1.69	28.2
7	32,763	1.76	29.6	32,481	1.69	28.2
8	32,758	1.76	29.6	32,474	1.69	28.1
9	32,752	1.76	29.5	32,466	1.69	28.1
10	32,747	1.76	29.5	32,458	1.69	28.1
11	32,741	1.76	29.5	32,450	1.69	28.0
12	32,735	1.75	29.4	32,441	1.68	28.0
13	32,730	1.75	29.4	32,433	1.68	28.0
14	32,724	1.75	29.4	32,425	1.68	27.9
15	32,718	1.75	29.4	32,418	1.68	28.0
16	32,711	1.75	29.4	32,412	1.68	28.0
17	32,705	1.76	29.5	32,406	1.69	28.0
18	32,698	1.76	29.5	32,400	1.69	28.1
19	32,691	1.76	29.6	32,393	1.69	28.1
20	32,685	1.77	29.6	32,387	1.70	28.2
21	32,678	1.77	29.6	32,381	1.70	28.2
22	32,672	1.77	29.6	32,375	1.70	28.2
23	32,665	1.76	29.5	32,368	1.70	28.2
24	32,659	1.76	29.5	32,361	1.70	28.2
25	32,652	1.76	29.4	32,354	1.70	28.1
26	32,645	1.75	29.3	32,347	1.69	28.1
27	32,639	1.75	29.2	32,340	1.69	28.1
28	32,632	1.74	29.2	32,333	1.69	28.0
29	32,624	1.74	29.1	32,323	1.69	28.0
30	32,613	1.74	29.1	32,310	1.69	28.0
31	32,603	1.74	29.0	32,297	1.69	28.1
Mean	32,707	1.76	29.4	32,413	1.69	28.1
n	31	31	31	31	31	31
SD	55	0.01	0.2	62	0.01	0.1
Min	32,603	1.74	29.0	32,297	1.68	27.9
Max	32,789	1.77	29.6	32,511	1.70	28.3

Table E2. Daily means of animal characteristics at Site CA2B for September, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	32,592	1.74	29.0	32,285	1.69	28.1
2	32,581	1.73	29.0	32,272	1.70	28.1
3	32,571	1.73	28.9	32,259	1.70	28.1
4	32,560	1.73	28.9	32,246	1.70	28.1
5	32,553	1.73	28.9	32,237	1.70	28.1
6	32,549	1.73	28.8	32,232	1.69	28.0
7	32,545	1.72	28.8	32,226	1.69	27.9
8	32,542	1.72	28.7	32,221	1.68	27.8
9	32,538	1.72	28.7	32,215	1.67	27.7
10	32,534	1.71	28.6	32,209	1.67	27.6
11	32,530	1.71	28.6	32,204	1.66	27.5
12	32,525	1.71	28.5	32,197	1.66	27.4
13	32,518	1.70	28.4	32,190	1.66	27.4
14	32,511	1.70	28.3	32,183	1.66	27.4
15	32,504	1.70	28.3	32,176	1.66	27.4
16	32,497	1.69	28.2	32,168	1.66	27.4
17	32,490	1.69	28.1	32,161	1.66	27.4
18	32,483	1.68	28.0	32,154	1.66	27.4
19	32,476	1.68	28.0	32,147	1.66	27.4
20	32,471	1.68	28.0	32,140	1.67	27.5
21	32,465	1.68	28.0	32,133	1.67	27.5
22	32,460	1.68	28.0	32,126	1.67	27.6
23	32,455	1.69	28.1	32,119	1.68	27.7
24	32,449	1.69	28.1	32,112	1.68	27.7
25	32,444	1.69	28.1	32,105	1.69	27.8
26	32,438	1.69	28.1	32,098	1.69	27.8
27	32,433	1.69	28.1	32,091	1.69	27.8
28	32,428	1.69	28.1	32,083	1.69	27.7
29	32,423	1.69	28.1	32,076	1.69	27.7
30	32,418	1.69	28.1	32,068	1.68	27.7
Mean	32,499	1.70	28.4	32,171	1.68	27.7
n	30	30	30	30	30	30
SD	50	0.02	0.3	61	0.01	0.2
Min	32,418	1.68	28.0	32,068	1.66	27.4
Max	32,592	1.74	29.0	32,285	1.70	28.1

Table E2. Daily means of animal characteristics at Site CA2B for October, 2009.

Day	House 5			House 6		
	Inventory	Mass, kg bird ⁻¹	kg m ⁻²	Inventory	Mass, kg bird ⁻¹	kg m ⁻²
1	32,413	1.69	28.1	32,060	1.68	27.7
2	32,408	1.69	28.1	32,053	1.68	27.6
3	32,396	1.69	28.1	32,038	1.68	27.6
4	32,379	1.69	28.1	32,016	1.69	27.7
5	32,362	1.70	28.2	31,994	1.69	27.7
6	32,345	1.70	28.2	31,972	1.69	27.8
7	32,327	1.70	28.2	31,950	1.70	27.8
8	32,310	1.71	28.3	31,928	1.70	27.9
9	32,293	1.71	28.3	31,906	1.71	27.9
10	32,280	1.71	28.3	31,856	1.71	27.9
11	32,271	1.71	28.3	31,778	1.71	27.8
12	32,263	1.71	28.3	31,700	1.70	27.7
13	32,254	1.71	28.3	31,622	1.70	27.6
14	32,245	1.71	28.3	31,543	1.70	27.5
15	32,237	1.71	28.3	31,465	1.69	27.3
16	32,228	1.71	28.3	31,387	1.69	27.2
17	32,219	1.71	28.2	31,286	1.69	27.1
18	32,208	1.70	28.1	31,162	1.68	26.9
19	32,197	1.70	28.1	31,039	1.68	26.7
20	32,186	1.70	28.0	30,915	1.68	26.6
21	32,175	1.69	27.9	30,791	1.67	26.4
22	32,164	1.69	27.8	30,668	1.67	26.2
23	32,153	1.68	27.7	30,544	1.66	26.0
24	32,139	1.68	27.7	30,399	1.65	25.7
25	32,122	1.68	27.7	30,232	1.63	25.3
26	32,104	1.68	27.7	30,065	1.62	24.9
27	32,087	1.68	27.7	29,898	1.60	24.5
28	32,070	1.69	27.7	29,731	1.58	24.1
29	32,052	1.69	27.7	29,564	1.57	23.7
30	32,035	1.69	27.8	29,397	1.55	23.3
31	32,003	1.69	27.8	29,256	1.54	23.1
Mean	32,223	1.70	28.0	31,104	1.66	26.6
n	31	31	31	31	31	31
SD	112	0.01	0.2	884	0.05	1.5
Min	32,003	1.68	27.7	29,256	1.54	23.1
Max	32,413	1.71	28.3	32,060	1.71	27.9

Table E3. Environmental parameters

Table E3. Daily means (SD) of environmental parameters at Site CA2B for October, 2007.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15		59.8 (4.1)	-27.00 (4.67)			62.0 (4.1)	-12.30 (12.90)	
16		56.1 (7.2)	-27.70 (4.30)			58.7 (6.9)	-11.60 (11.40)	
17	22.8 (0.8)	58.1 (5.8)	-26.70 (5.05)		20.1 (0.6)	61.1 (6.5)	-9.07 (9.55)	
18	22.9 (1.4)	54.9 (8.4)	-27.70 (5.32)		20.6 (1.4)	56.5 (8.7)	-14.60 (14.10)	
19	24.1 (1.6)	57.6 (6.6)	-30.40 (4.33)		22.7 (2.2)	58.5 (7.7)	-17.80 (13.30)	
20	23.2 (1.0)	53.2 (7.5)	-24.40 (4.01)		20.7 (1.3)	52.7 (8.4)	-6.91 (7.45)	
21	22.1 (1.4)	50.0 (6.7)	-24.60 (6.19)		18.5 (2.5)	50.2 (7.8)	-7.03 (7.92)	
22	23.3 (2.3)	47.6 (9.6)	-29.40 (6.55)		20.4 (4.5)	48.1 (11.8)	-14.70 (13.30)	
23	24.3 (2.6)	44.8 (7.4)	-28.60 (4.72)		22.8 (3.9)	44.3 (8.8)	-14.90 (12.70)	
24	24.6 (2.6)	47.2 (8.0)	-28.50 (5.97)		23.8 (3.3)	46.5 (8.4)	-13.20 (12.30)	
25	24.6 (2.2)	52.1 (5.5)	-27.60 (6.56)	50.50 (25.00)	24.4 (1.7)	52.8 (5.3)	-12.60 (13.60)	43.70 (26.80)
26	23.5 (1.4)	53.8 (6.0)	-27.80 (5.24)	43.90 (22.10)	23.6 (1.6)	51.9 (6.6)	-8.37 (11.50)	37.30 (22.40)
27	24.1 (1.9)	54.5 (7.0)	-29.70 (5.92)	46.80 (21.70)	24.1 (1.9)	52.5 (7.1)	-12.10 (13.70)	45.30 (24.90)
28	25.1 (1.9)	54.9 (5.9)	-30.20 (4.83)	54.20 (18.80)	24.9 (1.5)	54.6 (5.8)	-13.90 (13.90)	48.60 (24.10)
29	24.7 (1.5)	56.8 (5.3)	-30.30 (5.21)	50.20 (19.50)	24.9 (1.2)	55.9 (5.7)	-11.80 (13.20)	44.50 (24.70)
30	23.1 (1.0)	60.4 (4.1)	-27.50 (3.88)	34.40 (11.80)	23.3 (1.1)	58.1 (4.1)	-3.03 (3.48)	28.40 (12.20)
31	22.8 (1.3)	62.6 (4.0)	-27.00 (4.67)	35.70 (13.90)	23.1 (1.2)	60.9 (4.5)	-4.08 (3.45)	27.70 (12.90)
Mean	23.7	54.4	-28.00	45.10	22.5	54.4	-11.10	39.40
n	15	17	17	7	15	17	17	7
SD	0.9	4.7	1.73	7.03	1.9	5.1	3.93	7.80
Min	22.1	44.8	-30.40	34.40	18.5	44.3	-17.80	27.70
Max	25.1	62.6	-24.40	54.20	24.9	62.0	-3.03	48.60

Table E3. Daily means (SD) of environmental parameters at Site CA2B for November, 2007.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	21.1 (1.6)	64.0 (4.0)	-28.80 (5.34)	53.20 (25.30)	21.5 (1.8)	62.4 (4.7)	-14.10 (14.00)	47.10 (27.40)
2	21.1 (2.2)	61.2 (5.9)	-30.70 (4.71)	61.60 (18.40)	21.1 (2.3)	60.0 (6.6)	-17.30 (13.70)	55.00 (25.20)
3	21.2 (2.6)	54.9 (9.9)	-30.60 (3.36)	61.10 (21.20)	21.3 (2.9)	53.6 (11.0)	-17.30 (14.10)	53.60 (26.60)
4	21.1 (2.6)	53.7 (6.8)	-31.00 (4.42)	60.20 (19.60)	21.2 (2.7)	52.7 (7.9)	-16.80 (14.10)	52.60 (26.40)
5	21.1 (2.9)	52.9 (7.1)	-30.30 (4.32)	58.50 (20.50)	21.1 (3.0)	51.7 (8.4)	-16.70 (14.20)	51.90 (26.60)
6	20.7 (2.3)	56.3 (5.3)	-29.30 (4.03)	58.90 (21.70)	20.8 (2.4)	55.0 (6.4)	-16.00 (14.10)	51.50 (26.40)
7	21.0 (2.8)	56.4 (5.8)	-31.10 (4.48)	58.40 (21.60)	21.1 (2.8)	55.6 (6.8)	-17.00 (14.40)	52.20 (26.80)
8	20.1 (1.5)	61.7 (2.8)	-30.10 (4.77)	56.60 (19.70)	20.0 (1.3)	61.4 (3.5)	-13.60 (13.80)	47.90 (24.70)
9	20.2 (1.3)	60.2 (4.9)	-30.20 (4.61)	59.10 (18.60)	20.2 (1.3)	59.3 (5.8)	-15.70 (13.70)	50.00 (24.70)
10	20.4 (2.0)	59.0 (6.0)	-32.40 (5.12)	61.20 (21.20)	20.5 (1.8)	58.3 (6.9)	-20.60 (14.30)	57.60 (26.50)
11	19.7 (0.8)	65.7 (5.9)	-29.80 (3.62)	60.40 (18.40)	19.3 (0.8)	66.6 (7.6)	-24.10 (6.06)	61.00 (19.40)
12	18.6 (1.8)	64.8 (3.5)	-31.00 (5.16)	56.40 (25.00)	19.4 (1.4)	64.5 (3.8)	-26.50 (3.78)	44.00 (24.50)
13	19.0 (3.6)	68.2 (4.4)	-33.20 (3.70)	74.10 (14.40)	20.5 (2.0)	65.9 (3.2)	-27.60 (3.97)	52.10 (25.80)
14								
15	21.0 (2.4)	66.7 (4.9)	-29.80 (3.72)	59.60 (21.10)	21.1 (2.2)	66.9 (5.2)	-27.40 (3.75)	54.80 (23.60)
16	20.9 (1.5)	65.6 (4.6)	-31.80 (4.57)	61.90 (17.20)	20.4 (1.4)	67.3 (5.4)	-27.00 (3.64)	56.00 (21.60)
17	20.2 (1.8)	64.6 (3.8)	-29.90 (4.84)	54.10 (23.30)	20.1 (1.7)	66.8 (4.9)	-27.10 (3.69)	48.10 (25.10)
18	20.0 (1.9)	65.6 (3.9)	-31.10 (3.65)	50.20 (22.00)	19.9 (2.0)	67.6 (5.0)	-27.50 (3.01)	46.30 (24.90)
19	20.5 (1.5)	64.7 (4.2)	-31.50 (3.82)	56.30 (22.30)	20.2 (1.4)	66.9 (5.1)	-26.90 (3.72)	50.70 (24.90)
20	18.6 (1.0)	56.1 (6.4)	-28.00 (3.15)	38.90 (16.20)	18.7 (0.8)	57.6 (8.0)	-26.90 (2.19)	33.40 (16.00)
21	17.6 (1.5)	51.9 (7.3)	-29.70 (3.52)	39.20 (22.50)	15.9 (4.0)	55.0 (9.9)	-27.00 (2.84)	46.20 (23.60)
22	17.6 (1.7)	54.9 (5.3)	-28.90 (4.06)	39.60 (22.70)	18.0 (1.3)	57.6 (8.0)	-27.40 (3.45)	35.00 (22.90)
23	17.4 (1.7)	49.8 (8.0)	-29.00 (4.25)	38.60 (21.30)	17.9 (1.4)	52.5 (11.5)	-26.70 (3.16)	32.90 (21.80)
24	17.4 (1.6)	51.3 (7.9)	-29.40 (4.61)	39.80 (23.00)	18.0 (1.1)	54.4 (10.3)	-27.00 (2.79)	34.60 (22.80)
25	17.5 (1.2)	56.0 (4.7)	-27.20 (3.28)	35.40 (14.80)	18.0 (0.9)	58.8 (6.6)	-25.90 (1.99)	28.80 (12.40)
26	17.5 (1.7)	56.8 (7.1)	-29.70 (4.60)	40.40 (23.70)	18.0 (1.2)	60.0 (9.4)	-26.90 (3.09)	34.60 (23.10)
27	17.6 (1.3)	55.9 (4.5)	-28.20 (3.68)	40.20 (21.40)	18.1 (1.0)	58.0 (6.9)	-26.80 (2.77)	34.60 (20.00)
28	17.5 (1.4)	52.3 (5.0)	-28.60 (3.19)	35.20 (15.80)	18.0 (1.0)	55.8 (8.0)	-26.40 (2.25)	30.20 (16.80)
29	17.4 (1.3)	57.4 (4.5)	-28.60 (4.06)	40.50 (22.60)	18.0 (0.9)	60.6 (7.3)	-26.30 (2.78)	32.50 (19.40)
30	16.8 (1.3)	53.2 (7.9)	-26.10 (2.90)	30.00 (9.71)	17.5 (1.0)	56.3 (10.4)	-26.20 (2.25)	25.10 (9.22)
Mean	19.3	58.7	-29.90	51.00	19.5	59.6	-23.20	44.80
n	29	29	29	29	29	29	29	29
SD	1.5	5.4	1.51	11.00	1.5	5.0	5.02	9.97
Min	16.8	49.8	-33.20	30.00	15.9	51.7	-27.60	25.10
Max	21.2	68.2	-26.10	74.10	21.5	67.6	-13.60	61.00

Table E3. Daily means (SD) of environmental parameters at Site CA2B for December, 2007.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	16.0 (1.7)	55.3 (7.4)	-27.90 (4.02)	26.90 (10.70)	17.0 (1.3)	58.5 (9.7)	-26.60 (1.57)	24.70 (11.30)
2	16.7 (1.9)	50.9 (6.9)	-29.50 (4.79)	32.60 (15.70)	17.6 (1.5)	54.5 (9.6)	-26.80 (2.31)	31.00 (18.70)
3	17.5 (1.9)	47.8 (5.8)	-29.80 (4.34)	42.20 (23.40)	18.1 (1.6)	51.2 (8.8)	-27.10 (3.40)	36.70 (24.50)
4	18.5 (1.3)	60.7 (8.1)	-28.70 (3.09)	42.30 (14.70)	18.8 (1.0)	63.3 (8.1)	-26.10 (2.07)	33.40 (11.20)
5	19.1 (0.9)	67.6 (2.9)	-30.50 (3.93)	50.00 (19.90)	19.2 (0.8)	71.2 (4.7)	-26.50 (3.60)	44.70 (20.20)
6	18.3 (0.7)	69.0 (2.1)	-30.60 (4.25)	35.30 (9.28)	18.8 (0.7)	74.0 (1.7)	-25.90 (1.88)	31.30 (8.17)
7	18.7 (0.7)	65.1 (3.0)	-29.00 (3.34)	37.00 (8.93)	18.6 (0.4)	70.5 (3.9)	-25.90 (2.74)	33.00 (9.98)
8	16.8 (1.3)	61.8 (6.0)	-27.60 (3.31)	27.60 (8.30)	17.4 (0.8)	68.5 (9.2)	-26.20 (1.92)	22.30 (6.98)
9	16.1 (1.3)	60.0 (6.6)	-28.10 (3.44)	26.50 (8.87)	16.8 (1.1)	68.0 (8.7)	-26.00 (1.97)	21.40 (6.38)
10	16.8 (1.3)	61.9 (4.3)	-26.90 (3.36)	28.40 (9.20)	17.5 (0.8)	68.8 (6.5)	-25.90 (1.67)	23.00 (7.89)
11	15.9 (1.5)	56.7 (8.4)	-28.20 (3.61)	25.80 (8.46)	16.8 (1.2)	64.7 (11.0)	-26.80 (2.05)	22.40 (8.97)
12	15.9 (1.6)	58.5 (5.4)	-27.40 (3.33)	25.90 (10.40)	16.7 (1.1)	66.7 (8.5)	-26.90 (2.05)	22.50 (9.27)
13	15.8 (1.7)	58.6 (6.6)	-26.80 (3.20)	25.20 (9.87)	16.3 (1.4)	67.5 (9.3)	-27.00 (1.68)	21.30 (8.37)
14	15.8 (1.4)	59.2 (5.4)	-28.50 (3.62)		16.6 (1.1)	66.9 (8.7)	-27.00 (1.74)	
15	16.3 (1.6)	61.7 (5.1)	-28.20 (3.15)		17.0 (1.4)	69.3 (7.0)	-27.30 (1.53)	
16	16.2 (1.7)	63.3 (5.3)	-28.90 (3.18)		17.0 (1.3)	70.6 (8.1)	-26.80 (1.21)	
17	17.7 (0.6)	64.6 (2.2)	-29.20 (2.79)		18.4 (0.7)	70.7 (2.5)	-26.30 (1.43)	
18	18.4 (0.3)	70.6 (3.0)	-29.80 (3.09)		19.0 (0.3)	75.2 (1.8)	-25.70 (1.78)	
19	18.7 (0.5)	66.9 (3.6)	-28.50 (3.36)	40.60 (10.30)	19.1 (0.5)	71.7 (3.8)	-25.70 (1.89)	33.90 (10.20)
20	18.2 (0.8)	64.6 (5.9)	-27.60 (3.69)	37.90 (13.70)	18.4 (0.8)	69.3 (7.1)	-27.80 (1.92)	34.30 (13.80)
21	15.7 (0.9)	63.6 (4.8)	-26.80 (3.39)	22.50 (5.62)	16.4 (0.5)	71.0 (7.5)	-26.70 (2.31)	20.20 (6.47)
22	15.6 (1.6)	65.7 (5.0)	-27.70 (3.27)	24.50 (9.06)	16.4 (1.3)	73.3 (7.0)	-27.00 (1.97)	21.40 (7.73)
23	15.6 (1.5)	67.4 (5.5)	-28.40 (3.48)	23.30 (8.07)	16.8 (1.0)	74.3 (7.6)	-26.50 (2.28)	20.70 (6.52)
24	16.7 (1.3)	65.2 (5.7)	-26.40 (3.46)	25.90 (7.81)	17.5 (0.9)	71.1 (7.5)	-28.00 (2.35)	23.90 (8.45)
25	15.7 (1.1)	63.2 (4.1)	-27.90 (4.23)	24.10 (7.63)	15.8 (2.6)	71.3 (5.9)	-26.80 (2.56)	24.30 (12.90)
26	16.3 (1.0)	60.9 (8.1)	-24.30 (3.98)	24.50 (6.58)	16.9 (0.5)	67.2 (10.4)	-27.30 (2.46)	22.40 (6.10)
27	15.0 (1.0)	59.4 (6.5)	-27.60 (3.94)	21.10 (4.27)	15.9 (0.8)	68.1 (8.4)	-27.10 (2.38)	19.30 (4.49)
28	15.6 (0.5)	64.3 (3.2)	-30.10 (3.77)	22.20 (3.83)	16.7 (0.3)	71.9 (5.5)	-27.00 (1.76)	20.30 (4.50)
29	17.1 (1.1)	64.8 (3.9)	-28.20 (3.71)	29.30 (8.94)	16.7 (0.8)	71.6 (4.9)	-27.50 (1.78)	30.90 (10.10)
30	17.6 (0.9)	67.5 (2.6)	-26.70 (3.53)	28.10 (9.65)	14.5 (1.5)	75.3 (1.1)	-28.80 (0.92)	39.80 (2.53)
31	15.6 (1.0)	68.8 (4.6)	-27.60 (3.29)	21.00 (4.64)	13.7 (3.6)	74.6 (5.7)	-26.30 (2.19)	27.00 (10.70)
Mean	16.8	62.4	-28.20	29.60	17.2	68.7	-26.80	27.10
n	31	31	31	26	31	31	31	26
SD	1.2	5.0	1.31	7.55	1.3	5.5	0.70	6.81
Min	15.0	47.8	-30.60	21.00	13.7	51.2	-28.80	19.30
Max	19.1	70.6	-24.30	50.00	19.2	75.3	-25.70	44.70

Table E3. Daily means (SD) of environmental parameters at Site CA2B for January, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	15.6 (1.4)	72.4 (4.7)	-27.30 (3.00)	22.40 (8.02)	16.5 (1.0)	78.0 (5.4)	-27.30 (1.56)	19.90 (6.03)
2	15.5 (1.6)	69.5 (6.0)	-27.50 (2.86)	23.80 (9.44)	16.6 (1.3)	77.2 (6.1)	-26.80 (2.02)	21.30 (8.27)
3	17.5 (1.4)	58.8 (7.5)	-29.30 (4.26)	38.20 (21.60)	18.2 (1.0)	65.9 (9.2)	-26.60 (2.80)	36.00 (20.00)
4	18.2 (0.6)	65.5 (5.3)	-35.30 (7.50)	28.80 (9.45)	19.0 (0.6)	72.8 (4.4)	-29.80 (3.23)	32.00 (9.69)
5	17.2 (0.9)	70.6 (3.1)	-27.60 (5.39)	23.30 (8.28)	18.2 (0.6)	75.2 (3.1)	-27.10 (2.12)	27.20 (8.18)
6	17.2 (0.9)	67.7 (5.8)	-26.90 (3.80)	22.30 (7.88)	18.0 (0.6)	73.0 (5.5)	-25.80 (2.07)	26.50 (7.57)
7	16.8 (1.2)	63.6 (5.9)	-25.70 (2.71)	23.40 (9.83)	17.7 (0.8)	71.4 (7.2)	-26.00 (2.00)	25.20 (8.59)
8	16.1 (1.1)	66.7 (2.3)	-28.10 (3.65)	20.00 (5.03)	17.4 (0.6)	75.4 (3.2)	-26.40 (2.07)	23.60 (5.92)
9	16.5 (1.2)	68.8 (2.4)	-26.30 (3.53)	20.70 (11.70)	17.7 (1.2)	78.3 (2.8)	-26.60 (2.62)	23.60 (10.30)
10	17.7 (0.7)	67.6 (2.6)	-28.30 (3.06)	21.10 (7.96)	18.7 (0.5)	78.1 (1.9)	-24.80 (1.70)	26.40 (5.57)
11	17.6 (0.5)	68.1 (1.9)	-27.30 (2.70)	22.50 (7.68)	18.8 (0.4)	78.7 (1.8)	-26.30 (1.91)	25.10 (7.27)
12	18.1 (0.8)	64.8 (3.8)	-26.70 (3.08)	25.90 (12.70)	19.2 (0.6)	75.9 (3.9)	-25.20 (2.08)	27.90 (8.84)
13	18.0 (0.8)	63.1 (3.8)	-26.80 (2.81)	26.00 (11.20)	19.1 (0.5)	75.1 (4.9)	-25.80 (2.46)	28.90 (10.70)
14	17.8 (2.1)	63.6 (3.5)	-26.90 (2.47)	17.90 (5.40)	19.0 (1.2)	79.7 (3.6)	-27.60 (2.18)	21.20 (8.53)
15	16.7 (1.5)	66.3 (2.0)	-27.50 (2.08)	15.60 (0.37)	19.0 (0.9)		-28.50 (1.79)	
16	16.7 (1.9)	58.1 (4.7)	-26.80 (1.98)	15.70 (0.32)	18.5 (1.3)	78.7 (6.0)	-28.50 (2.20)	16.20 (4.03)
17	16.9 (2.3)	52.2 (6.1)	-27.50 (1.62)	17.70 (3.26)	18.8 (1.5)	76.6 (8.1)	-29.40 (2.25)	16.70 (5.07)
18	17.4 (2.4)	54.1 (4.8)	-27.60 (2.21)	18.70 (5.08)	19.1 (1.4)	76.9 (8.2)	-29.30 (2.44)	17.90 (6.52)
19	18.0 (2.5)	55.2 (4.3)	-27.30 (2.43)	19.90 (6.05)	19.8 (1.6)	77.0 (7.9)	-29.40 (2.44)	18.80 (6.96)
20	17.5 (2.1)	55.1 (3.9)	-27.10 (2.86)	19.20 (9.24)	19.6 (1.1)	78.2 (6.6)	-29.50 (2.47)	17.80 (9.32)
21	17.6 (1.6)	55.9 (3.5)	-27.70 (2.72)	17.30 (3.69)	20.1 (0.8)	79.0 (5.5)	-29.60 (2.12)	16.70 (5.01)
22	18.1 (1.0)	59.9 (2.3)	-26.80 (2.37)	17.20 (2.76)	20.6 (0.5)	81.1 (3.2)	-29.10 (2.48)	16.90 (5.72)
23	17.3 (1.0)	63.8 (2.5)	-27.30 (3.18)	18.90 (11.50)	20.2 (0.6)	82.7 (2.6)	-29.40 (2.52)	17.10 (8.62)
24								
25	19.8 (1.5)	52.5 (3.2)	-32.90 (4.08)	20.80 (4.94)	19.8 (0.9)		-28.40 (2.51)	
26	20.4 (1.1)	49.8 (3.9)	-28.40 (4.95)	23.90 (10.00)	18.1 (2.1)		-28.70 (0.62)	
27	20.0 (0.8)	59.8 (3.3)	-30.10 (5.96)	20.70 (10.40)	17.8 (1.1)		-29.40 (1.48)	
28	17.3 (1.4)	55.5 (4.7)	-25.90 (2.71)	17.60 (4.31)	13.4 (1.7)		-29.40 (0.98)	
29	15.4 (2.0)	58.7 (2.6)	-27.90 (1.82)	16.30 (1.84)	16.5 (3.7)	73.1 (4.8)	-28.70 (2.38)	20.00 (10.90)
30	16.4 (1.6)	57.3 (3.9)	-27.40 (2.85)	21.20 (10.50)	16.4 (2.9)	69.2 (7.1)	-29.50 (2.24)	34.20 (21.30)
31	16.4 (2.0)	59.4 (3.6)	-29.10 (2.18)	19.40 (3.76)	19.8 (1.0)	72.2 (5.1)	-29.60 (2.67)	17.10 (6.09)
Mean	17.4	61.5	-27.90	21.20	18.4	76.0	-27.90	23.00
n	30	30	30	30	30	25	30	25
SD	1.2	6.1	1.91	4.45	1.5	3.7	1.53	5.71
Min	15.4	49.8	-35.30	15.60	13.4	65.9	-29.80	16.20
Max	20.4	72.4	-25.70	38.20	20.6	82.7	-24.80	36.00

Table E3. Daily means (SD) of environmental parameters at Site CA2B for February, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	17.2 (1.7)	60.2 (4.1)	-26.30 (1.87)	17.50 (3.05)	19.9 (0.6)	72.1 (6.0)	-30.50 (2.47)	17.50 (6.09)
2	15.7 (2.3)	60.5 (3.4)	-29.20 (2.02)	15.90 (1.74)	19.2 (1.3)	73.4 (5.1)	-30.70 (2.49)	16.80 (6.00)
3	18.1 (1.5)	61.9 (3.9)	-27.50 (3.44)	17.80 (3.76)	20.3 (0.6)	71.4 (6.0)	-31.10 (3.28)	18.60 (7.65)
4	17.0 (1.8)	59.2 (5.3)	-24.70 (2.27)	18.10 (3.71)	19.5 (0.7)	69.9 (8.5)	-31.30 (2.12)	17.60 (6.10)
5	16.1 (2.8)	59.2 (5.3)	-27.40 (1.32)	18.20 (3.60)	18.9 (1.8)	70.1 (7.9)	-29.70 (2.14)	18.20 (6.45)
6	17.7 (2.6)	62.0 (4.1)	-27.10 (2.60)	21.80 (12.60)	20.1 (1.3)	71.0 (6.1)	-29.90 (2.64)	20.30 (11.10)
7	17.9 (2.9)	63.7 (5.9)	-27.10 (2.20)	20.80 (7.68)	19.2 (2.4)	70.6 (6.2)	-29.40 (2.35)	24.70 (11.20)
8	18.3 (2.2)	63.6 (5.8)	-26.80 (2.12)	20.30 (6.17)	15.4 (3.0)	71.5 (7.2)	-29.70 (1.42)	38.70 (0.56)
9	18.9 (2.5)	66.0 (4.6)	-28.80 (3.83)	26.40 (15.10)	17.8 (4.2)	73.7 (5.3)	-29.30 (1.92)	34.30 (10.80)
10	20.3 (2.3)	66.5 (4.9)	-31.40 (19.20)	26.60 (14.80)	21.6 (1.2)	72.0 (6.8)	-30.50 (1.79)	25.60 (15.00)
11	19.6 (2.8)	66.9 (5.5)	-23.00 (12.30)	24.40 (5.62)	22.0 (1.7)	71.6 (6.4)	-29.80 (2.40)	20.80 (11.30)
12	20.6 (2.9)	65.3 (3.6)	-33.50 (0.89)	29.20 (0.55)	22.2 (1.8)	69.0 (7.1)	-30.50 (1.94)	28.00 (11.80)
13	19.1 (1.3)	61.3 (9.0)	-26.30 (7.19)	30.30 (15.70)	19.8 (1.9)	65.7 (10.5)	-31.30 (2.79)	28.50 (13.30)
14								
15	17.8 (2.3)	59.2 (6.6)	-28.10 (2.53)	20.40 (6.98)	19.6 (2.0)	64.1 (8.8)	-30.50 (2.10)	19.70 (8.11)
16	18.8 (2.2)	58.1 (7.0)	-27.30 (2.22)	24.90 (11.30)	20.5 (1.8)	64.3 (9.8)	-29.70 (2.48)	22.10 (10.50)
17	19.3 (2.0)	60.6 (6.7)	-27.20 (3.39)	27.00 (15.90)	20.7 (1.6)	67.0 (9.1)	-28.90 (2.16)	24.50 (15.00)
18	19.8 (1.9)	64.7 (5.5)	-26.00 (2.90)	26.30 (13.80)	21.3 (1.3)	70.3 (6.3)	-28.90 (2.52)	23.40 (11.90)
19	19.6 (1.2)	69.3 (4.1)	-26.80 (2.59)	21.60 (5.97)	19.9 (1.5)	73.6 (4.1)	-29.10 (2.36)	25.40 (12.30)
20	19.8 (1.1)	68.6 (5.1)	-26.70 (3.75)	24.10 (11.80)	17.8 (1.8)	72.4 (5.8)	-30.00 (1.46)	38.70 (5.78)
21	18.4 (1.5)	72.6 (2.9)	-29.80 (4.85)	19.50 (4.91)	16.9 (2.0)	75.0 (2.0)	-29.10 (1.18)	38.20 (0.93)
22	19.4 (0.8)	71.3 (3.2)	-27.90 (3.54)	22.20 (5.91)	17.1 (1.1)	76.0 (2.0)	-29.70 (1.21)	38.00 (0.52)
23	18.2 (1.2)	71.9 (5.0)	-30.00 (5.01)	22.20 (13.90)	16.0 (2.1)	75.8 (3.8)	-29.80 (1.23)	38.20 (0.78)
24	19.9 (0.7)	69.8 (3.4)	-30.70 (4.33)	27.00 (14.90)	18.5 (1.2)	75.3 (2.8)	-29.30 (1.45)	40.80 (10.50)
25	20.2 (1.4)	68.3 (5.9)	-26.20 (2.92)	25.20 (8.94)	19.2 (3.0)	74.7 (6.0)	-29.30 (2.09)	30.10 (10.50)
26	20.3 (1.9)	66.8 (5.8)	-27.30 (3.20)	30.20 (15.80)	20.5 (1.9)	73.2 (5.3)	-28.60 (2.51)	31.60 (18.00)
27	20.9 (1.7)	66.1 (5.6)	-27.60 (3.27)	31.90 (16.10)	21.8 (1.2)	73.0 (5.3)	-28.20 (2.31)	27.20 (15.10)
28	21.0 (1.9)	63.3 (7.0)	-28.40 (4.41)	38.20 (22.70)	21.6 (1.8)	71.3 (7.8)	-28.60 (2.98)	34.30 (22.10)
29	22.1 (1.9)	62.5 (6.9)	-30.30 (4.49)	42.80 (24.20)	20.4 (3.7)	71.1 (9.3)	-30.20 (3.09)	53.30 (19.70)
Mean	19.0	64.6	-27.80	24.70	19.6	71.4	-29.80	28.40
n	28	28	28	28	28	28	28	28
SD	1.5	4.1	2.07	6.08	1.8	3.1	0.80	8.93
Min	15.7	58.1	-33.50	15.90	15.4	64.1	-31.30	16.80
Max	22.1	72.6	-23.00	42.80	22.2	76.0	-28.20	53.30

Table E3. Daily means (SD) of environmental parameters at Site CA2B for March, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	20.7 (0.9)	61.9 (6.1)	-23.30 (3.64)	26.50 (7.28)	17.6 (2.0)	68.2 (8.4)	-30.30 (2.11)	53.20 (5.15)
2	19.2 (1.8)	58.2 (7.2)	-25.10 (4.88)	28.50 (17.90)	15.9 (3.2)	60.8 (7.0)	-30.90 (1.48)	55.30 (5.62)
3	19.9 (2.0)	59.3 (8.9)	-27.60 (4.29)	36.60 (25.30)	17.5 (4.5)	66.1 (9.4)	-29.60 (2.70)	48.80 (18.30)
4	20.3 (2.3)	56.9 (7.8)	-26.30 (5.13)	44.30 (28.20)	20.8 (2.0)	67.7 (8.5)	-28.00 (3.23)	27.90 (18.40)
5	20.2 (2.3)	53.0 (8.0)	-25.10 (4.73)	30.50 (15.30)	20.0 (2.1)	60.0 (11.6)	-28.00 (3.01)	35.40 (22.40)
6	20.4 (1.5)	58.8 (4.0)	-27.40 (4.08)	30.00 (14.60)	19.9 (3.0)	64.8 (7.8)	-24.40 (7.32)	29.20 (17.00)
7	20.9 (1.9)	58.7 (5.7)	-27.20 (4.69)	37.20 (22.90)	20.8 (2.1)	59.6 (4.1)	-27.20 (3.03)	31.60 (23.80)
8	21.4 (1.6)	53.9 (6.2)	-26.20 (3.42)	32.70 (14.50)	21.6 (1.4)	55.4 (6.3)	-27.60 (2.31)	29.30 (16.60)
9	21.1 (2.2)	54.6 (6.7)	-29.80 (5.07)	43.30 (25.60)	21.2 (2.2)	56.4 (6.5)	-28.00 (2.73)	41.20 (26.90)
10	22.4 (2.0)	55.1 (8.4)	-29.10 (5.03)	46.00 (25.20)	22.9 (2.0)	57.4 (8.6)	-28.10 (3.25)	40.70 (26.10)
11	22.1 (1.3)	58.7 (4.3)	-27.90 (4.24)	39.40 (20.00)	22.4 (1.0)	61.2 (3.8)	-26.80 (3.03)	34.80 (20.20)
12	21.6 (1.6)	57.8 (6.9)	-27.70 (4.41)	36.60 (22.50)	22.0 (1.4)	60.2 (6.7)	-26.80 (3.16)	31.80 (21.00)
13	22.2 (1.1)	58.8 (5.5)	-27.80 (4.72)	41.20 (22.10)	22.8 (1.0)	61.3 (6.3)	-27.70 (3.22)	36.30 (20.50)
14								
15	20.2 (0.9)	56.0 (5.0)	-24.70 (4.42)	24.40 (5.98)	20.8 (1.0)	58.4 (4.5)	-26.70 (2.45)	20.00 (5.11)
16	20.0 (1.4)	50.5 (8.7)	-21.10 (3.97)	27.80 (17.50)	20.4 (1.6)	51.9 (8.7)	-29.20 (3.33)	25.70 (15.90)
17	20.1 (2.1)	49.9 (8.6)	-26.30 (4.08)	26.70 (12.20)	20.4 (2.2)	51.6 (8.1)	-26.30 (1.78)	26.80 (17.00)
18	21.5 (2.1)	54.7 (6.6)	-29.30 (4.88)	42.10 (24.50)	21.9 (2.2)	56.9 (5.7)	-28.50 (3.13)	36.20 (24.60)
19	21.7 (1.4)	58.6 (6.2)	-28.60 (5.00)	38.40 (22.30)	22.1 (1.2)	60.2 (6.0)	-27.90 (3.56)	33.20 (24.20)
20	20.8 (1.4)	56.1 (8.5)	-25.50 (3.59)	27.90 (12.60)	21.0 (1.8)	56.5 (8.3)	-26.90 (2.46)	25.60 (14.20)
21	20.3 (1.7)	56.0 (8.0)	-25.30 (4.15)	30.90 (18.00)	20.3 (2.1)	54.7 (7.2)	-28.30 (1.93)	27.00 (17.20)
22	21.2 (2.1)	53.9 (9.5)	-27.90 (5.40)	37.10 (23.90)	20.2 (3.1)	54.2 (7.6)	-28.30 (2.82)	30.40 (23.10)
23	22.1 (2.4)	53.9 (9.3)	-29.20 (5.70)	42.90 (26.70)	21.0 (3.6)	55.3 (9.2)	-28.20 (3.29)	34.70 (27.00)
24	22.6 (2.4)	54.3 (8.1)	-29.40 (5.16)	44.10 (26.20)	21.8 (3.2)	54.0 (7.6)	-27.90 (3.30)	36.40 (26.50)
25	22.6 (1.5)	56.3 (5.9)	-29.00 (4.73)	45.70 (25.40)	22.0 (1.8)	56.5 (5.5)	-27.40 (3.57)	33.70 (24.20)
26	21.2 (1.4)	55.6 (7.6)	-25.80 (4.31)	32.10 (16.00)	20.4 (2.0)	53.4 (6.8)	-26.90 (2.55)	24.60 (16.50)
27	20.0 (1.4)	52.7 (8.7)	-23.50 (2.94)	23.40 (7.89)	19.0 (2.4)	48.5 (7.9)	-27.50 (2.25)	19.20 (6.63)
28	21.0 (2.1)	51.9 (9.1)	-27.20 (3.86)	33.80 (16.90)	20.3 (3.0)	49.5 (7.6)	-26.40 (2.59)	24.50 (12.90)
29	21.9 (1.0)	60.9 (2.6)	-26.60 (3.80)	31.80 (10.10)	21.6 (1.2)	59.4 (2.4)	-26.30 (1.89)	22.00 (7.08)
30	20.4 (1.7)	55.0 (6.8)	-26.30 (3.80)	26.40 (10.90)	19.8 (2.3)	50.8 (5.4)	-27.80 (2.36)	21.30 (9.54)
31	19.5 (2.2)	55.5 (7.8)	-26.30 (3.85)	26.30 (12.40)	18.0 (3.7)	51.2 (7.2)	-28.20 (1.82)	33.00 (19.50)
Mean	21.0	55.9	-26.80	34.50	20.5	57.4	-27.70	32.30
n	30	30	30	30	30	30	30	30
SD	0.9	2.8	2.00	6.91	1.6	5.1	1.24	8.80
Min	19.2	49.9	-29.80	23.40	15.9	48.5	-30.90	19.20
Max	22.6	61.9	-21.10	46.00	22.9	68.2	-24.40	55.30

Table E3. Daily means (SD) of environmental parameters at Site CA2B for April, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	20.8 (1.7)	52.1 (9.6)	-27.30 (5.50)	35.40 (22.00)	18.0 (4.8)	52.3 (12.4)	-27.90 (2.60)	52.80 (21.80)
2	20.7 (1.6)	55.1 (6.3)	-26.50 (5.13)	39.70 (21.40)	21.3 (1.9)	51.2 (4.4)	-26.50 (2.69)	27.90 (16.00)
3	21.4 (2.2)	53.9 (8.3)	-29.60 (5.33)	45.60 (26.30)	21.6 (2.7)	49.8 (6.9)	-28.60 (3.72)	38.60 (28.60)
4	21.2 (2.3)	51.2 (10.3)	-29.10 (5.03)	43.50 (25.30)	21.7 (2.5)	45.9 (8.4)	-28.40 (3.40)	35.20 (25.40)
5	20.1 (2.0)	54.9 (7.5)	-24.60 (5.40)	37.50 (23.90)	20.6 (2.6)	48.3 (5.8)	-27.60 (2.84)	29.70 (20.30)
6	20.7 (1.8)	56.0 (7.1)	-25.60 (5.22)	33.80 (19.30)	20.9 (2.2)	48.4 (4.7)	-27.80 (2.71)	28.40 (19.30)
7	19.7 (2.1)	55.6 (9.7)	-23.80 (4.53)	34.30 (19.50)	20.3 (2.5)	48.1 (6.7)	-27.40 (2.30)	26.00 (15.30)
8	19.4 (1.5)	56.2 (8.7)	-24.60 (4.98)	29.30 (13.30)	20.2 (1.9)	48.2 (5.3)	-27.50 (1.91)	20.80 (7.20)
9	20.5 (2.1)	56.2 (10.0)	-26.00 (4.56)	34.60 (18.40)	20.7 (2.6)	49.1 (7.2)	-28.30 (3.10)	30.00 (21.30)
10	21.7 (2.4)	54.4 (10.4)	-28.60 (4.54)	44.40 (25.30)	22.0 (2.8)	48.8 (8.3)	-28.70 (3.94)	36.40 (25.00)
11	22.9 (2.7)	51.3 (8.4)	-30.40 (4.66)	50.30 (25.00)	23.1 (2.9)	48.7 (5.9)	-27.30 (4.02)	46.90 (30.50)
12	24.4 (2.8)	54.7 (5.2)	-29.50 (4.04)	58.20 (25.40)	24.5 (2.9)	53.6 (4.3)	-26.60 (4.46)	54.00 (31.30)
13	24.9 (2.9)	52.8 (5.3)	-28.40 (4.49)	60.80 (25.80)	25.1 (2.9)	52.7 (3.8)	-24.20 (5.52)	51.30 (27.40)
14	22.1 (1.7)	49.2 (7.7)	-26.50 (5.42)	44.20 (23.60)	22.2 (1.8)	45.6 (7.3)	-27.40 (3.13)	35.20 (21.60)
15	20.4 (1.8)	51.4 (9.9)	-23.10 (3.80)	27.40 (9.87)	19.9 (2.4)	44.7 (8.2)	-27.40 (2.71)	23.20 (12.40)
16	21.2 (2.4)	49.2 (10.5)	-27.70 (6.17)	42.60 (25.70)	21.0 (3.3)	44.1 (8.1)	-28.80 (3.76)	37.70 (26.00)
17								
18								
19								
20	19.1 (1.8)	52.4 (8.4)	-23.50 (4.99)	25.30 (13.00)	18.3 (2.8)	45.5 (6.7)	-27.60 (2.10)	21.40 (11.30)
21	19.5 (2.3)	54.6 (9.3)	-23.80 (4.38)	25.60 (10.10)	16.1 (2.8)	49.9 (8.7)	-30.00 (1.65)	47.60 (22.00)
22	20.2 (2.0)	58.0 (7.9)	-25.90 (4.47)	30.00 (12.50)	15.3 (4.0)	60.9 (9.7)	-29.90 (0.82)	62.50 (0.60)
23	21.0 (1.6)	58.7 (7.2)	-24.80 (4.46)	31.40 (12.70)	16.8 (3.1)	61.4 (10.8)	-30.20 (1.66)	62.00 (1.32)
24	19.8 (2.2)	55.0 (9.7)	-25.10 (5.42)	37.70 (25.70)	16.6 (5.6)	55.3 (11.9)	-30.40 (2.52)	56.50 (21.50)
25	22.2 (3.1)	50.9 (9.6)	-29.40 (4.92)	48.50 (26.10)	22.0 (3.3)	48.6 (8.4)	-28.90 (4.61)	41.80 (27.10)
26	24.0 (3.0)	52.0 (6.1)	-29.90 (3.46)	59.60 (25.50)	23.9 (2.7)	52.9 (4.8)	-27.70 (3.73)	54.30 (30.30)
27	25.4 (2.5)	54.8 (4.3)	-30.30 (2.71)	64.50 (21.70)	24.9 (2.5)	57.5 (4.4)	-26.60 (4.07)	59.00 (29.70)
28	24.9 (2.4)	51.0 (4.6)	-30.10 (3.20)	61.40 (23.50)	24.4 (1.9)	53.5 (4.3)	-26.10 (5.00)	56.80 (27.50)
29	21.5 (1.5)	51.2 (4.1)	-25.50 (4.47)	42.40 (21.60)	21.4 (1.4)	50.6 (4.3)	-29.50 (5.79)	37.30 (18.40)
30	20.0 (2.0)	50.8 (10.0)	-22.80 (4.44)	32.80 (16.80)	19.7 (2.6)	47.9 (10.0)	-28.60 (3.83)	33.60 (17.90)
Mean	21.5	53.5	-26.70	41.50	20.8	50.5	-28.00	41.00
n	27	27	27	27	27	27	27	27
SD	1.8	2.5	2.44	11.30	2.6	4.4	1.36	12.90
Min	19.1	49.2	-30.40	25.30	15.3	44.1	-30.40	20.80
Max	25.4	58.7	-22.80	64.50	25.1	61.4	-24.20	62.50

Table E3. Daily means (SD) of environmental parameters at Site CA2B for May, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	21.1 (2.6)	49.0 (11.7)	-27.70 (5.39)	44.50 (25.40)	19.8 (4.3)	47.5 (12.0)	-29.10 (4.36)	52.60 (24.00)
2	22.3 (2.8)	48.7 (7.6)	-29.90 (4.56)	49.00 (25.40)	21.7 (3.2)	48.5 (7.2)	-28.20 (4.69)	47.20 (24.80)
3	22.4 (3.1)	53.2 (7.3)	-28.60 (4.41)	48.80 (26.10)	21.8 (3.5)	53.1 (6.5)	-28.70 (4.88)	47.50 (24.80)
4	23.2 (3.0)	52.3 (7.9)	-28.90 (5.21)	50.40 (25.50)	22.0 (3.3)	55.4 (7.9)	-28.50 (4.91)	49.30 (24.10)
5	23.4 (3.0)	54.3 (5.6)	-30.10 (5.60)	54.20 (25.20)	22.3 (3.6)	57.9 (5.0)	-29.10 (4.30)	54.00 (23.60)
6	24.0 (2.7)	55.4 (5.4)	-29.30 (4.36)	57.90 (24.40)	22.9 (3.0)	60.8 (4.7)	-28.20 (4.94)	55.80 (23.90)
7	22.9 (1.6)	51.1 (4.8)	-29.80 (3.92)	54.90 (24.20)	22.3 (2.4)	54.6 (6.9)	-30.10 (7.01)	49.70 (20.30)
8	23.5 (2.8)	50.3 (7.5)	-29.50 (4.15)	53.90 (25.30)	22.4 (3.1)	54.8 (7.8)	-27.80 (5.59)	52.60 (24.60)
9	22.8 (2.9)	49.2 (6.8)	-28.80 (3.72)	51.90 (25.30)	21.5 (4.0)	57.8 (13.8)	-26.30 (8.65)	45.80 (23.90)
10	24.1 (3.1)	48.5 (7.0)	-29.90 (3.72)	59.60 (25.50)	23.9 (2.6)	52.7 (6.8)	-26.50 (3.66)	53.60 (29.50)
11								
12								
13	24.3 (2.7)	43.2 (6.9)	-29.20 (4.02)	62.20 (24.40)	24.6 (2.8)	45.4 (8.3)	-27.60 (3.12)	57.00 (26.80)
14	25.7 (2.5)	51.8 (5.6)	-29.70 (3.51)	70.50 (19.10)	25.9 (2.6)	54.2 (5.7)	-27.70 (4.71)	66.50 (23.80)
15	26.8 (2.2)	60.1 (4.4)	-28.30 (5.16)	79.00 (11.80)	27.2 (2.4)	60.7 (3.5)	-28.00 (3.75)	73.40 (18.30)
16	27.4 (2.3)	62.1 (5.1)	-29.10 (3.55)	83.10 (2.58)	27.4 (2.7)	63.0 (4.8)	-26.10 (3.64)	84.30 (4.84)
17	27.1 (2.3)	58.3 (4.9)	-28.60 (4.64)	83.60 (3.41)	26.3 (2.5)	65.3 (7.3)	-22.50 (8.36)	70.40 (17.90)
18	26.5 (2.5)	50.8 (5.9)	-30.20 (3.46)	80.60 (8.37)	26.2 (2.4)	54.8 (7.1)	-28.50 (3.05)	71.30 (16.50)
19	26.2 (2.7)	51.8 (5.3)	-28.70 (3.62)	71.50 (18.30)	25.7 (2.4)	58.3 (9.3)	-27.70 (3.89)	63.10 (22.10)
20	24.8 (2.1)	50.6 (6.6)	-26.90 (5.31)	68.10 (21.20)	24.3 (1.4)	58.9 (6.7)	-28.20 (5.46)	52.80 (21.10)
21	23.1 (2.2)	44.3 (7.2)	-23.80 (4.04)	58.60 (25.20)	23.5 (2.1)	48.2 (8.3)	-30.20 (5.84)	50.50 (23.70)
22	23.2 (1.7)	37.5 (4.2)	-21.70 (5.15)	64.20 (23.90)	23.5 (1.6)	41.6 (5.2)	-31.70 (5.21)	51.30 (20.70)
23	23.4 (2.1)	45.9 (5.7)	-28.90 (4.52)	56.20 (22.20)	23.3 (1.6)	50.5 (5.6)	-28.20 (2.65)	48.70 (23.00)
24	21.5 (0.6)	58.2 (4.6)	-26.20 (3.17)	33.90 (5.55)	21.6 (0.5)	62.6 (4.5)	-25.60 (1.63)	29.00 (6.40)
25	21.7 (1.2)	59.0 (6.9)	-25.70 (3.84)	41.60 (17.40)	22.1 (0.9)	63.7 (6.8)	-26.50 (1.79)	34.10 (13.90)
26	22.5 (1.8)	52.3 (6.8)	-28.30 (4.35)	50.20 (23.00)	22.5 (1.6)	57.7 (7.1)	-26.80 (3.67)	44.70 (25.50)
27	22.3 (1.5)	55.3 (4.7)	-27.60 (4.34)	46.00 (20.50)	22.1 (1.1)	60.6 (4.9)	-26.30 (3.43)	39.70 (21.00)
28	22.8 (1.8)	52.8 (6.2)	-27.00 (4.38)	52.10 (25.10)	22.3 (2.2)	58.0 (7.1)	-27.10 (3.43)	45.40 (26.90)
29	23.2 (2.1)	50.5 (7.5)	-28.20 (4.42)	52.70 (24.90)	23.2 (2.0)	54.7 (8.3)	-27.20 (3.96)	46.50 (25.50)
30	24.2 (2.8)	51.7 (8.4)	-28.80 (4.18)	56.60 (24.30)	24.1 (2.7)	55.7 (8.5)	-27.40 (2.75)	50.70 (26.90)
31	23.8 (2.3)	53.1 (6.0)	-28.20 (4.59)	52.10 (23.90)	23.8 (2.2)	56.5 (6.6)	-27.80 (3.58)	47.10 (25.00)
Mean	23.8	51.8	-28.20	58.20	23.5	55.6	-27.70	52.90
n	29	29	29	29	29	29	29	29
SD	1.7	5.1	1.87	12.30	1.8	5.6	1.63	11.50
Min	21.1	37.5	-30.20	33.90	19.8	41.6	-31.70	29.00
Max	27.4	62.1	-21.70	83.60	27.4	65.3	-22.50	84.30

Table E3. Daily means (SD) of environmental parameters at Site CA2B for June, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	24.1 (2.8)	49.5 (8.3)	-26.60 (6.10)	52.20 (27.40)	24.1 (2.7)	53.3 (8.1)	-27.60 (3.98)	49.10 (26.10)
2	23.9 (3.2)	49.3 (6.5)	-24.20 (6.66)	49.00 (29.40)	23.9 (2.9)	53.1 (5.6)	-27.90 (4.25)	48.60 (27.50)
3	23.0 (3.0)	53.7 (4.3)	-20.00 (7.42)	49.30 (27.10)	24.6 (2.6)	55.3 (3.3)	-28.40 (4.11)	53.60 (25.00)
4	21.0 (2.3)	44.1 (10.7)	-4.17 (6.06)		23.9 (1.8)	47.1 (9.0)	-29.40 (5.18)	49.80 (22.50)
5	21.2 (3.8)	49.9 (9.9)	-1.60 (5.42)		24.5 (2.5)	51.2 (6.2)	-25.60 (4.84)	58.30 (26.60)
6	20.3 (2.8)	46.2 (9.3)	1.69 (1.10)		23.9 (2.4)	47.1 (8.1)	-27.20 (6.07)	55.60 (21.80)
7	21.0 (4.3)	41.6 (11.5)	1.92 (1.11)		24.1 (2.8)	44.9 (7.8)	-25.60 (7.56)	61.50 (25.10)
8	23.3 (4.2)	40.9 (8.7)	0.73 (0.30)		25.4 (2.9)	46.4 (4.9)	-24.80 (5.26)	67.10 (23.40)
9	24.2 (3.6)	47.8 (5.0)	0.96 (0.43)		26.6 (3.0)	49.5 (3.2)	-24.70 (5.73)	72.90 (21.10)
10	23.6 (2.1)	39.2 (13.0)	2.89 (1.72)		26.1 (2.0)	40.1 (10.6)	-27.10 (8.58)	76.00 (16.00)
11	22.1 (2.6)	37.2 (3.3)	2.09 (1.12)		25.4 (2.5)	36.9 (2.0)	-27.50 (6.19)	73.30 (18.70)
12	22.0 (2.9)	52.5 (3.3)	0.81 (0.22)		25.0 (3.7)	46.0 (3.7)	-27.10 (6.52)	80.70 (13.20)
13	23.6 (3.3)	55.5 (6.9)	0.80 (0.28)		26.7 (2.9)	48.7 (3.4)	-24.50 (5.40)	75.10 (17.90)
14	22.2 (2.4)		0.85 (0.22)		26.1 (2.6)	52.2 (3.7)	-25.20 (4.93)	71.90 (19.40)
15	23.1 (4.2)		0.83 (0.24)		25.9 (2.9)	52.3 (3.7)	-25.00 (5.28)	69.80 (21.00)
16	22.2 (3.4)		0.73 (0.31)		25.4 (3.0)	50.7 (3.3)	-24.20 (4.70)	66.20 (24.10)
17	22.6 (3.3)		0.58 (0.30)		25.5 (2.9)	54.2 (2.9)	-25.30 (5.21)	67.20 (23.30)
18	24.2 (2.9)		0.47 (0.43)		26.1 (2.7)	46.5 (3.4)	-24.70 (5.34)	72.30 (20.30)
19	24.7 (3.3)		-3.80 (11.30)		26.6 (2.8)	49.7 (2.4)	-25.00 (5.42)	72.90 (20.80)
20	27.0 (3.3)		-7.06 (11.40)		27.8 (2.5)	54.9 (8.3)	-23.40 (5.64)	79.40 (15.10)
21	28.1 (3.6)		-6.38 (9.73)		27.9 (2.0)	55.7 (7.5)	-25.20 (6.39)	85.80 (5.11)
22	26.5 (3.7)		-3.50 (8.51)		26.3 (2.6)	48.5 (3.2)	-25.00 (4.84)	74.70 (16.80)
23	24.9 (3.5)		-6.98 (9.41)		25.3 (2.7)	51.6 (4.5)	-25.20 (4.71)	64.20 (22.70)
24	24.8 (3.4)		-6.52 (9.95)		25.4 (2.5)	58.3 (4.1)	-25.40 (5.94)	66.80 (22.60)
25	23.3 (2.1)		1.09 (0.42)		25.2 (2.4)	58.8 (3.1)	-25.70 (4.72)	63.90 (21.80)
26	23.3 (2.4)		1.05 (0.30)		25.4 (2.4)	63.8 (5.0)	-26.30 (4.85)	69.00 (21.50)
27	25.9 (2.8)		-19.40 (13.10)		26.5 (2.2)	65.0 (3.5)	-25.90 (5.02)	78.50 (12.20)
28	25.4 (2.5)		-24.50 (7.71)		25.6 (2.4)	60.4 (2.9)	-26.70 (3.96)	69.40 (17.80)
29	25.4 (2.8)		-26.80 (5.43)		25.4 (2.6)	59.3 (4.6)	-26.50 (4.19)	66.30 (22.10)
30	25.4 (2.5)		-27.60 (4.49)		25.6 (2.3)	61.6 (2.7)	-26.10 (4.47)	67.60 (21.60)
Mean	23.7	46.7	-6.39	50.20	25.5	52.1	-25.90	67.60
n	30	13	30	3	30	30	30	30
SD	1.8	5.5	10.30	1.43	1.0	6.5	1.33	9.29
Min	20.3	37.2	-27.60	49.00	23.9	36.9	-29.40	48.60
Max	28.1	55.5	2.89	52.20	27.9	65.0	-23.40	85.80

Table E3. Daily means (SD) of environmental parameters at Site CA2B for July, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	25.2 (2.6)		-27.40 (4.59)		25.5 (2.5)	61.7 (3.5)	-27.20 (4.50)	64.30 (22.20)
2	25.5 (2.8)		-26.60 (4.48)		25.6 (2.6)	58.6 (4.3)	-25.40 (4.41)	65.90 (22.70)
3	25.9 (2.6)		-27.10 (3.97)		26.1 (2.4)	60.5 (5.2)	-25.80 (4.68)	70.40 (19.10)
4	24.7 (2.3)		-28.70 (4.26)		25.1 (2.1)	60.5 (4.5)	-28.10 (3.79)	64.10 (19.00)
5	25.7 (2.9)		-27.00 (4.00)		25.8 (2.7)	64.2 (2.8)	-25.40 (4.54)	67.70 (23.00)
6	26.7 (2.5)		-27.00 (4.38)		26.9 (2.5)	65.2 (2.6)	-25.10 (4.78)	75.20 (16.00)
7	27.6 (2.1)		-26.30 (4.88)		28.0 (2.0)	66.4 (4.5)	-24.90 (5.75)	85.30 (4.64)
8	28.6 (1.5)	64.2 (4.8)	-26.00 (4.76)	84.60 (3.85)	29.0 (1.6)	66.5 (4.5)	-24.20 (5.67)	85.60 (4.68)
9	28.6 (1.4)	56.5 (7.2)	-26.40 (4.86)	84.50 (3.80)	29.1 (1.7)	59.0 (6.3)	-24.80 (5.45)	85.30 (4.28)
10	28.3 (1.5)	59.1 (6.4)	-26.40 (5.20)	84.50 (4.13)	28.8 (1.7)	61.3 (5.9)	-25.00 (5.73)	85.20 (4.54)
11	26.5 (2.2)	59.0 (2.5)	-28.90 (3.24)	78.00 (10.40)	26.4 (2.0)	63.3 (3.6)	-27.00 (4.70)	79.90 (11.40)
12	26.4 (2.4)	59.3 (3.8)	-28.00 (3.36)	72.20 (16.80)	26.2 (2.2)	64.2 (4.7)	-26.00 (4.37)	73.40 (17.00)
13	27.0 (2.3)	58.1 (3.4)	-27.50 (3.33)	76.70 (12.00)	27.0 (2.3)	62.2 (4.0)	-26.30 (4.80)	79.40 (11.00)
14	27.2 (1.9)	58.1 (4.0)	-29.00 (2.80)	82.90 (2.62)	27.2 (1.7)	61.9 (4.7)	-26.90 (5.11)	84.50 (4.03)
15	26.1 (2.1)	58.9 (3.0)	-28.20 (3.74)	69.70 (19.90)	26.0 (2.3)	62.6 (2.6)	-26.90 (4.55)	71.80 (17.70)
16	25.3 (2.5)	57.7 (3.1)	-27.40 (4.71)	63.70 (23.10)	25.0 (2.3)	63.3 (3.5)	-26.70 (4.33)	66.30 (21.00)
17	26.3 (2.5)	53.1 (3.4)	-27.70 (4.07)		26.0 (2.3)	57.6 (4.3)	-25.80 (5.61)	72.70 (18.90)
18	26.0 (2.9)	54.9 (2.9)	-27.60 (3.54)		25.7 (2.6)	60.5 (3.8)	-25.10 (6.00)	70.10 (22.30)
19	26.4 (2.6)	54.2 (4.1)	-28.00 (3.20)		26.1 (2.4)	58.9 (4.9)	-26.20 (5.63)	74.40 (17.20)
20	25.2 (2.2)	52.7 (2.4)	-27.60 (4.63)		25.0 (2.3)	57.6 (3.0)	-26.10 (5.96)	63.60 (21.70)
21	24.7 (2.3)	54.6 (3.2)	-27.30 (5.74)		24.0 (2.7)	60.4 (3.6)	-23.00 (8.57)	59.00 (22.00)
22	24.9 (2.5)	54.2 (3.7)	-26.90 (5.10)		24.4 (2.9)	58.9 (6.3)	-21.80 (8.01)	66.00 (23.90)
23	26.4 (2.7)	55.8 (3.5)	-28.10 (3.28)		26.0 (2.4)	61.1 (4.6)	-23.50 (6.69)	71.50 (20.30)
24	26.2 (2.6)	53.9 (3.0)	-28.00 (2.81)		25.9 (2.3)	58.8 (4.1)	-24.90 (6.13)	73.40 (16.50)
25	26.6 (2.6)	57.3 (3.6)	-27.40 (3.44)	73.10 (16.30)	26.4 (2.3)	62.3 (4.8)	-26.90 (5.53)	75.20 (14.20)
26	26.5 (2.6)	55.5 (3.6)	-27.20 (3.22)	72.70 (16.70)	26.6 (2.6)	59.5 (4.8)	-26.30 (6.61)	75.30 (14.80)
27	25.9 (2.4)	54.6 (4.7)	-27.80 (2.90)	70.20 (17.40)	25.8 (2.4)	58.2 (5.1)	-21.90 (7.46)	71.90 (18.50)
28	25.3 (2.4)	54.5 (3.5)	-27.00 (3.97)	63.80 (23.90)	25.0 (2.8)	57.7 (4.1)	-25.90 (4.09)	66.20 (20.80)
29	25.3 (2.4)	53.6 (3.9)	-26.90 (3.69)	63.80 (23.50)	25.0 (2.6)	57.3 (4.5)	-26.60 (4.50)	64.50 (21.60)
30	25.5 (2.6)	55.6 (3.4)	-27.40 (3.94)	67.30 (22.10)	25.2 (2.8)	60.0 (4.6)	-25.60 (5.72)	66.60 (22.10)
31	26.0 (2.5)	51.5 (4.6)	-27.90 (3.16)	67.00 (20.40)	25.5 (2.3)	55.7 (6.0)	-26.30 (5.12)	69.30 (19.80)
Mean	26.2	56.1	-27.40	73.40	26.1	60.8	-25.50	72.40
n	31	24	31	16	31	31	31	31
SD	1.0	2.8	0.72	7.41	1.2	2.7	1.44	7.28
Min	24.7	51.5	-29.00	63.70	24.0	55.7	-28.10	59.00
Max	28.6	64.2	-26.00	84.60	29.1	66.5	-21.80	85.60

Table E3. Daily means (SD) of environmental parameters at Site CA2B for August, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	25.6 (2.6)	52.4 (3.5)	-27.40 (3.60)	67.60 (22.30)	25.2 (2.8)	56.9 (3.9)	-25.40 (5.91)	68.20 (22.20)
2	26.5 (2.6)	56.4 (5.9)	-27.10 (3.26)	71.50 (17.60)	26.2 (2.4)	61.3 (7.1)	-26.00 (5.04)	70.80 (19.40)
3	25.6 (2.5)	51.3 (3.0)	-27.30 (3.40)	66.40 (20.90)	25.2 (2.6)	55.9 (4.1)	-25.20 (5.74)	65.80 (21.80)
4	25.8 (2.4)	55.3 (2.1)	-27.50 (3.44)	69.10 (20.30)	25.3 (2.6)	60.6 (2.8)	-25.60 (5.71)	68.00 (21.70)
5	25.9 (2.1)	53.3 (3.5)	-28.30 (3.11)	70.00 (17.90)	25.7 (2.4)	56.2 (3.3)	-28.60 (4.25)	70.30 (17.80)
6	26.3 (2.3)	53.4 (3.2)	-28.10 (2.69)	74.30 (11.10)	26.0 (2.1)	56.8 (4.8)	-27.10 (5.68)	75.20 (16.60)
7	26.3 (2.5)	51.1 (3.5)	-28.30 (3.07)	72.70 (15.40)	26.0 (2.2)	54.3 (4.7)	-25.60 (6.02)	73.10 (19.30)
8	25.5 (2.2)	56.4 (3.2)	-28.60 (3.45)	68.40 (17.50)	25.4 (2.4)	59.5 (3.0)	-26.40 (5.51)	66.20 (19.50)
9	25.0 (2.5)	53.9 (4.0)	-27.70 (4.48)	65.30 (21.80)	24.8 (2.9)	57.1 (5.4)	-25.30 (6.65)	64.00 (21.60)
10	25.9 (2.4)	52.9 (4.1)	-27.70 (3.68)	69.30 (18.90)	25.6 (2.6)	55.7 (4.9)	-25.20 (6.43)	69.90 (20.80)
11	26.6 (2.4)	54.8 (2.7)	-28.30 (3.03)	75.00 (13.90)	26.6 (2.5)	56.9 (3.2)	-26.50 (6.03)	76.10 (15.20)
12	27.0 (2.3)	56.2 (3.5)	-27.80 (3.21)	77.60 (11.20)	26.9 (2.4)	58.4 (3.5)	-25.90 (4.87)	79.10 (13.20)
13	27.4 (2.3)	62.9 (4.8)	-28.50 (3.33)	81.30 (5.42)	27.6 (2.2)	63.4 (3.4)	-23.20 (6.36)	81.00 (10.00)
14	27.8 (2.0)	61.1 (4.8)	-29.40 (2.32)	81.90 (1.56)	27.7 (1.9)	62.5 (4.8)	-28.00 (6.49)	82.60 (5.32)
15	27.3 (2.2)	55.8 (5.3)	-28.60 (2.74)	82.90 (1.85)	27.4 (2.3)	56.2 (4.4)	-27.60 (6.20)	81.50 (8.53)
16	27.7 (1.6)	55.2 (4.8)	-28.40 (3.00)	83.00 (2.21)	27.8 (1.7)	55.5 (4.5)	-28.30 (6.56)	82.40 (5.47)
17	26.0 (2.0)	60.2 (3.7)	-26.70 (5.97)	70.10 (20.30)	25.8 (2.1)	61.5 (2.7)	-27.60 (5.77)	69.40 (19.10)
18	25.2 (2.1)	63.5 (9.3)	-25.50 (8.72)	61.00 (26.60)	25.1 (2.3)	60.8 (3.2)	-26.90 (6.91)	61.90 (20.80)
19	24.6 (2.2)	58.0 (3.5)	-28.40 (4.26)	64.50 (20.20)	24.6 (2.3)	59.2 (3.6)	-24.30 (7.95)	61.70 (23.30)
20	25.4 (2.5)	62.0 (3.6)	-28.10 (3.82)	69.30 (20.50)	25.4 (2.6)	63.8 (3.2)	-25.60 (7.20)	66.80 (21.90)
21	26.1 (2.1)	63.3 (4.0)	-28.70 (2.78)	77.20 (8.66)	26.0 (2.1)	65.5 (4.0)	-27.60 (5.80)	74.00 (14.10)
22	26.1 (2.6)	60.0 (3.3)	-27.20 (2.89)	76.40 (14.80)	26.1 (2.9)	63.8 (3.7)	-23.70 (7.35)	73.20 (14.90)
23	26.6 (2.4)	60.3 (3.2)	-28.00 (3.48)	75.40 (11.50)	26.3 (2.3)	64.5 (4.8)	-23.00 (6.95)	72.90 (18.60)
24	26.9 (2.4)	59.2 (3.3)	-28.40 (2.92)	75.60 (11.80)	26.8 (2.5)	61.6 (4.1)	-24.60 (5.02)	72.20 (18.10)
25	26.6 (2.3)	52.2 (6.3)	-27.70 (4.07)	76.50 (13.90)	26.5 (2.3)	53.7 (7.9)	-26.10 (4.45)	74.00 (16.10)
26	26.1 (2.2)	51.1 (3.8)	-27.50 (3.72)	69.30 (18.80)	25.7 (2.5)	53.6 (4.2)	-25.00 (6.62)	66.40 (21.40)
27	26.8 (2.3)	53.9 (3.0)	-27.90 (2.67)	74.20 (12.50)	26.8 (2.6)	55.3 (3.4)	-26.00 (5.83)	72.40 (17.90)
28	27.7 (2.0)	57.7 (4.7)	-27.50 (3.62)	83.20 (3.01)	27.5 (2.4)	57.9 (4.2)	-24.20 (6.80)	83.80 (7.17)
29	28.0 (2.0)	59.8 (6.1)	-27.30 (3.24)	83.40 (2.20)	27.8 (3.1)	57.6 (4.4)	-20.20 (8.14)	82.20 (15.30)
30	26.7 (2.3)	51.7 (6.1)	-28.30 (3.11)	81.20 (7.45)	27.3 (5.1)	46.9 (10.4)	-8.90 (4.43)	86.70 (20.10)
31	24.8 (2.6)	45.1 (5.0)	-28.60 (5.21)	60.00 (22.30)	21.7 (4.5)	48.4 (9.6)	-8.89 (0.83)	103.00 (1.25)
Mean	26.3	56.1	-27.90	73.30	26.1	58.1	-24.60	74.00
n	31	31	31	31	31	31	31	31
SD	0.9	4.3	0.72	6.52	1.2	4.3	4.46	8.45
Min	24.6	45.1	-29.40	60.00	21.7	46.9	-28.60	61.70
Max	28.0	63.5	-25.50	83.40	27.8	65.5	-8.89	103.00

Table E3. Daily means (SD) of environmental parameters at Site CA2B for September, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	24.6 (2.3)	43.5 (4.5)	-28.80 (3.94)	62.30 (20.70)	21.2 (3.7)	47.1 (8.4)	-1.51 (4.23)	
2	25.4 (2.5)	46.8 (4.1)	-27.70 (3.72)	67.70 (21.10)	24.3 (4.7)	44.7 (8.8)	-1.87 (2.91)	
3	26.2 (2.7)	49.9 (3.7)	-26.90 (3.46)	72.60 (18.60)	23.3 (3.6)	56.7 (3.9)	0.34 (0.32)	
4	26.3 (2.7)	51.6 (3.4)	-26.90 (2.94)	74.70 (14.90)	23.1 (3.6)	62.9 (5.4)	0.43 (0.27)	
5	26.7 (2.4)	53.9 (4.8)	-28.00 (2.96)	81.80 (4.50)	23.6 (3.1)	66.5 (5.6)	0.49 (0.31)	
6	27.0 (2.6)	53.5 (6.1)	-27.70 (3.55)	83.10 (4.33)	24.3 (3.3)	64.8 (4.7)	0.48 (0.25)	
7	26.8 (2.5)	53.3 (5.2)	-27.90 (3.04)	81.50 (4.50)	25.1 (4.4)	56.9 (7.9)	0.33 (0.23)	
8	25.5 (2.3)	55.4 (3.4)	-27.60 (2.75)	70.40 (17.30)	22.1 (3.6)	64.6 (6.7)	0.70 (0.29)	
9	24.5 (2.0)	58.0 (3.9)	-28.90 (3.52)	61.80 (21.10)	19.6 (2.8)		0.73 (0.44)	
10	24.2 (2.7)	58.8 (4.4)	-27.50 (4.37)	56.70 (19.20)	19.4 (3.6)		0.56 (0.42)	
11	25.2 (2.5)	57.8 (3.4)	-27.50 (3.10)	61.40 (20.20)	21.1 (3.7)		0.49 (1.36)	
12	25.0 (2.4)	56.9 (3.4)	-27.00 (3.03)	64.80 (20.80)	22.2 (4.0)		-1.84 (6.88)	
13	24.4 (2.6)	56.5 (4.4)	-28.30 (4.06)	61.30 (22.10)	22.2 (4.1)		-7.82 (14.20)	
14	24.9 (2.3)	57.8 (3.6)	-28.50 (3.20)	64.60 (20.80)	21.5 (2.6)		0.99 (0.63)	
15	25.2 (2.4)	58.1 (2.8)	-28.20 (3.37)	67.50 (20.70)	24.4 (4.5)		-6.69 (9.32)	
16	25.2 (2.2)	55.4 (3.7)	-28.30 (3.15)	70.20 (17.40)	24.6 (3.8)		-6.51 (9.32)	
17	24.1 (2.1)	53.8 (4.6)	-28.60 (4.79)	57.80 (20.80)	21.6 (3.1)		-5.33 (8.88)	
18	23.5 (2.3)	54.7 (4.4)	-27.00 (6.20)	53.20 (23.10)	19.6 (2.0)		0.87 (0.52)	
19	23.4 (2.2)	55.0 (6.8)	-28.90 (4.76)	58.10 (21.60)	20.0 (2.0)	60.3 (4.3)	0.14 (5.13)	
20	24.0 (2.0)	61.4 (5.9)	-28.30 (6.60)	57.50 (20.50)	21.2 (1.5)	63.8 (4.7)	0.90 (0.93)	
21	23.8 (2.7)	58.2 (6.6)	-27.90 (4.35)	56.80 (23.20)	21.0 (1.8)	60.8 (4.0)	0.45 (0.74)	
22	24.0 (2.8)	53.5 (7.7)	-28.00 (4.37)	58.40 (22.50)	22.5 (4.0)	53.5 (12.2)	-11.50 (10.20)	
23	24.6 (2.8)	50.5 (5.2)	-27.70 (3.85)	63.00 (23.20)	24.3 (3.7)	48.9 (8.3)	-21.90 (7.28)	
24	25.0 (2.7)	51.9 (4.4)	-27.10 (3.55)	63.70 (22.80)	25.1 (2.8)	49.8 (6.0)	-24.10 (5.50)	
25	25.6 (2.6)	49.7 (4.0)	-29.10 (8.41)	63.90 (17.60)	25.7 (2.3)	46.7 (4.3)	-24.30 (4.22)	
26	25.6 (2.4)	55.7 (2.9)	-27.00 (8.51)	69.30 (23.00)	25.8 (2.4)	54.2 (4.3)	-23.90 (3.70)	
27	26.0 (2.2)	53.9 (3.2)	-25.50 (4.35)	76.70 (14.30)	26.2 (2.1)	53.4 (4.5)	-25.10 (2.67)	
28	26.1 (2.4)	52.1 (3.0)	-25.90 (4.67)	77.20 (14.40)	26.2 (2.1)	52.0 (4.2)	-26.30 (2.71)	
29	25.5 (2.1)	57.3 (3.1)	-26.80 (4.42)	73.10 (16.20)	25.8 (2.1)	56.6 (3.9)	-25.50 (5.35)	
30	25.3 (2.2)	60.3 (2.8)	-26.30 (4.71)	70.50 (20.50)	25.7 (2.1)	59.8 (4.0)	-24.90 (4.18)	59.80 (25.80)
Mean	25.1	54.5	-27.70	66.70	23.1	56.2	-7.71	1
n	30	30	30	30	30	20	30	
SD	1.0	3.9	0.87	8.04	2.1	6.5	10.60	
Min	23.4	43.5	-29.10	53.20	19.4	44.7	-26.30	
Max	27.0	61.4	-25.50	83.10	26.2	66.5	0.99	

Table E3. Daily means (SD) of environmental parameters at Site CA2B for October, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	25.5 (2.3)	55.1 (5.4)	-31.40 (5.86)	66.90 (13.90)	25.9 (2.3)	52.6 (4.7)	-25.00 (3.94)	63.80 (24.10)
2	25.2 (2.1)	58.7 (3.5)	-29.00 (3.93)		25.5 (1.9)	58.8 (3.9)	-25.70 (4.79)	58.30 (21.70)
3	23.9 (1.5)	58.0 (6.0)	-28.30 (4.70)		24.2 (1.1)	58.5 (5.1)	-26.20 (5.46)	52.40 (24.40)
4								
5								
6								
7	24.1 (2.8)	59.2 (4.5)	-27.70 (3.93)		24.8 (2.4)	58.9 (5.4)	-25.10 (4.78)	53.90 (28.20)
8	24.1 (2.6)	56.9 (5.4)	-27.00 (4.34)		24.8 (2.3)	55.6 (6.3)	-24.30 (5.16)	50.50 (26.30)
9	21.8 (1.7)	46.9 (10.2)	-26.70 (8.40)		21.5 (1.8)	46.0 (11.6)	-16.60 (6.91)	44.40 (25.80)
10	20.0 (1.6)	45.4 (4.1)	-24.00 (6.03)	31.40 (7.16)	17.9 (2.1)	42.3 (5.1)	-19.10 (5.28)	51.10 (16.50)
11	19.7 (2.0)	46.7 (7.1)	-20.40 (7.49)	27.40 (10.90)	16.0 (3.1)	42.3 (6.3)	-20.70 (2.75)	59.40 (1.24)
12	19.0 (2.7)	46.7 (8.8)	-20.80 (6.79)	30.30 (15.80)	15.3 (4.3)	44.7 (8.2)	-24.70 (1.37)	57.80 (2.13)
13	19.8 (2.8)	43.6 (8.3)	-23.80 (6.43)	41.50 (26.80)	18.7 (4.9)	44.9 (9.5)	-23.90 (6.83)	46.20 (23.60)
14	21.8 (2.6)	41.7 (7.0)	-28.70 (4.18)	48.90 (26.20)	22.4 (2.6)	43.1 (8.1)	-23.70 (7.17)	42.20 (27.10)
15	22.9 (2.9)	45.1 (5.5)	-28.90 (4.46)	49.50 (25.40)	22.8 (3.4)	45.7 (6.7)	-23.80 (6.51)	45.30 (27.60)
16	23.6 (3.1)	47.8 (6.9)	-28.00 (4.37)	53.00 (24.80)	23.2 (3.7)	49.6 (7.3)	-25.00 (5.97)	51.50 (27.00)
17	24.2 (2.8)	47.8 (4.8)	-27.30 (3.96)	56.70 (25.30)	24.6 (2.6)	48.7 (4.6)	-25.60 (3.62)	53.20 (26.40)
18	23.9 (2.2)	49.9 (4.6)	-28.20 (4.74)	55.20 (22.00)	24.2 (2.1)	50.4 (5.0)	-24.50 (5.24)	50.40 (25.90)
19	22.9 (2.2)	51.2 (4.8)	-28.10 (5.14)	47.70 (24.50)	23.0 (2.3)	51.4 (5.5)	-22.70 (7.69)	39.90 (26.90)
20	22.3 (1.9)	54.6 (6.3)	-27.90 (4.85)	44.80 (23.90)	22.4 (2.0)	54.7 (7.0)	-21.50 (7.04)	35.60 (25.50)
21	22.7 (2.1)	53.4 (6.7)	-28.60 (5.14)	48.00 (24.00)	22.7 (2.3)	53.9 (7.0)	-23.30 (6.27)	39.90 (25.70)
22	23.3 (2.7)	48.6 (6.1)	-28.20 (4.55)	51.00 (24.80)	23.4 (3.0)	49.9 (6.6)	-24.90 (5.04)	45.60 (27.30)
23	23.9 (2.7)	48.7 (6.4)	-28.00 (4.42)	56.40 (24.60)	24.3 (2.5)	49.8 (6.4)	-25.00 (4.79)	50.40 (26.40)
24	23.2 (2.3)	48.9 (5.1)	-27.20 (4.13)	50.90 (23.50)	23.6 (2.1)	50.0 (5.3)	-23.80 (5.73)	45.80 (25.90)
25	23.8 (2.7)	48.6 (6.1)	-27.30 (4.03)	55.00 (25.50)	24.2 (2.5)	49.1 (5.9)	-25.60 (3.67)	51.00 (26.10)
26	23.8 (2.8)	49.6 (6.6)	-27.30 (3.64)	53.60 (26.70)	24.0 (2.7)	50.6 (6.6)	-24.40 (6.13)	49.10 (28.30)
27	22.9 (2.5)	53.7 (5.7)	-28.60 (4.78)	48.40 (24.50)	22.4 (3.1)	54.2 (5.6)	-26.50 (4.67)	43.40 (24.30)
28	23.6 (2.6)	52.2 (7.3)	-28.30 (5.05)	51.50 (23.70)	23.8 (2.5)	53.2 (7.7)	-24.10 (5.75)	46.00 (26.80)
29	23.7 (2.9)	50.8 (6.5)	-26.90 (4.19)	52.70 (25.30)	24.1 (2.6)	52.3 (6.4)	-24.50 (6.37)	49.40 (28.20)
30	22.4 (1.1)	56.3 (5.5)	-27.10 (4.71)	46.30 (19.60)	22.9 (0.8)	57.7 (5.8)	-24.10 (4.95)	40.40 (21.50)
31	23.0 (0.5)	62.1 (3.2)	-28.20 (4.19)	52.20 (15.10)	23.4 (0.4)	64.2 (3.4)	-26.20 (2.50)	46.80 (15.80)
Mean	22.9	51.0	-27.20	48.70	22.7	51.2	-23.90	48.70
n	28	28	28	23	28	28	28	28
SD	1.6	5.0	2.29	8.83	2.6	5.4	2.14	6.37
Min	19.0	41.7	-31.40	27.40	15.3	42.3	-26.50	35.60
Max	25.5	62.1	-20.40	66.90	25.9	64.2	-16.60	63.80

Table E3. Daily means (SD) of environmental parameters at Site CA2B for November, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	23.4 (0.7)	58.6 (4.9)	-28.50 (3.51)	53.60 (15.20)	23.7 (0.6)	61.0 (4.9)	-26.40 (3.61)	50.30 (17.40)
2	22.3 (0.8)	62.8 (5.2)	-26.10 (4.83)	45.70 (20.40)	22.8 (0.8)	64.6 (5.3)	-22.40 (5.40)	38.20 (20.30)
3	21.3 (0.9)	64.6 (3.8)	-25.10 (2.95)	31.00 (11.00)	19.8 (1.7)	70.1 (5.9)	-24.40 (5.41)	46.10 (16.70)
4	20.2 (1.1)	61.8 (5.7)	-25.00 (3.22)	26.70 (10.40)	16.0 (2.0)	67.8 (8.4)	-26.00 (1.70)	56.60 (0.97)
5	19.4 (1.5)	61.0 (6.0)	-24.30 (3.61)	26.60 (13.40)	17.0 (4.1)	66.2 (8.7)	-20.40 (6.66)	34.00 (20.20)
6	20.1 (1.4)	61.3 (4.9)	-24.60 (2.92)	29.50 (12.50)	20.7 (1.3)	65.8 (6.1)	-20.10 (4.81)	23.30 (12.40)
7	21.0 (1.7)	59.5 (5.8)	-26.30 (4.39)	37.80 (21.60)	20.8 (2.4)	64.9 (7.1)	-23.60 (6.49)	38.00 (22.60)
8	21.2 (1.6)	63.5 (3.4)	-26.10 (2.76)	33.30 (14.80)	20.8 (2.3)	67.3 (4.1)	-21.60 (5.33)	29.40 (12.40)
9	20.8 (1.0)	62.0 (5.5)	-25.60 (3.35)	29.10 (13.40)	20.9 (1.7)	66.3 (6.2)	-17.50 (6.42)	24.00 (11.70)
10	20.1 (1.3)	63.5 (4.7)	-24.50 (3.60)	29.40 (15.90)	18.6 (3.2)	67.8 (5.3)	-22.00 (4.61)	28.30 (9.26)
11	20.9 (1.7)	63.9 (4.4)	-25.10 (3.13)	31.90 (14.20)	21.7 (1.4)	68.2 (5.5)	-19.20 (5.08)	23.00 (11.30)
12	21.3 (1.2)	63.2 (5.1)	-25.40 (3.53)	35.70 (17.30)	21.9 (0.9)	67.5 (6.0)	-20.60 (5.24)	27.80 (16.90)
13	21.7 (1.7)	63.5 (4.6)	-26.80 (4.68)	40.50 (23.20)	21.8 (1.7)	67.2 (5.4)	-22.40 (6.40)	35.90 (23.30)
14	21.9 (1.4)	64.7 (3.8)	-26.60 (4.17)	42.30 (22.10)	22.7 (1.0)	67.6 (4.4)	-23.20 (5.46)	36.70 (23.00)
15	22.5 (2.1)	63.5 (5.7)	-27.30 (4.62)	47.30 (24.40)	23.2 (1.7)	66.1 (5.7)	-24.20 (6.50)	42.40 (27.00)
16	22.8 (2.1)	61.0 (6.1)	-27.40 (4.53)	47.60 (25.50)	23.2 (1.9)	63.9 (6.2)	-24.30 (6.04)	42.60 (26.70)
17	22.6 (2.5)	60.2 (5.9)	-26.80 (4.97)	45.60 (25.60)	23.1 (2.1)	63.4 (6.1)	-23.40 (6.70)	39.90 (27.00)
18	22.1 (2.5)	61.3 (6.6)	-26.90 (4.41)	43.10 (26.00)	22.0 (2.9)	63.7 (6.3)	-24.80 (5.56)	40.30 (26.40)
19	21.0 (1.6)	64.1 (4.8)	-25.30 (4.02)	34.80 (20.20)	20.6 (2.3)	66.2 (5.1)	-22.60 (4.77)	30.30 (16.80)
20	21.5 (1.2)	64.8 (3.2)	-26.80 (4.15)	42.20 (23.60)	21.3 (1.6)	67.9 (3.9)	-18.70 (5.30)	32.20 (18.00)
21	19.8 (1.3)	66.1 (3.7)	-23.90 (2.67)	27.10 (11.10)	20.0 (2.2)	67.7 (4.9)	-19.50 (6.12)	25.50 (12.50)
22	18.8 (2.4)	67.4 (6.2)	-24.20 (2.63)	26.70 (12.90)	17.0 (4.7)	71.7 (7.9)	-22.20 (6.96)	30.60 (12.90)
23	18.7 (2.2)	67.6 (5.2)	-24.70 (3.48)	27.90 (16.40)	20.0 (1.8)	69.4 (5.8)	-20.00 (6.90)	22.80 (14.10)
24	19.1 (2.3)	66.6 (6.0)	-24.70 (2.80)	26.40 (11.50)	20.2 (1.8)	67.9 (6.1)	-21.10 (5.68)	22.40 (10.40)
25	20.3 (1.5)	65.7 (4.6)	-24.10 (2.26)	28.00 (10.40)	16.8 (2.5)	69.9 (4.9)	-25.60 (0.62)	32.20 (0.25)
26	20.8 (0.9)	71.6 (1.7)	-24.50 (3.07)	27.60 (11.30)	18.6 (2.3)	76.9 (2.1)	-22.40 (4.39)	28.90 (8.98)
27	20.8 (0.6)	65.2 (7.6)	-24.70 (2.78)	26.60 (6.89)	21.5 (0.7)	73.5 (3.1)	-20.80 (3.48)	24.30 (9.03)
28	20.6 (1.0)	59.6 (3.2)	-24.80 (2.73)	27.30 (9.17)	21.6 (0.8)	71.0 (4.1)	-19.60 (3.96)	26.30 (9.80)
29	19.3 (1.3)	61.6 (3.6)	-23.90 (2.07)	25.40 (11.40)	17.5 (3.6)	73.8 (5.1)	-22.60 (4.88)	28.30 (8.94)
30	19.3 (1.6)	63.7 (3.1)	-24.60 (2.92)	25.30 (13.80)	18.4 (2.5)	73.3 (3.4)	-21.90 (4.56)	26.00 (9.91)
Mean	20.9	63.5	-25.50	34.10	20.5	68.0	-22.10	32.90
n	30	30	30	30	30	30	30	30
SD	1.2	2.7	1.20	8.17	2.1	3.4	2.19	8.59
Min	18.7	58.6	-28.50	25.30	16.0	61.0	-26.40	22.40
Max	23.4	71.6	-23.90	53.60	23.7	76.9	-17.50	56.60

Table E3. Daily means (SD) of environmental parameters at Site CA2B for December, 2008.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	18.9 (1.2)	68.3 (2.5)	-23.70 (2.25)	19.70 (5.45)	17.4 (1.2)	75.0 (1.5)	-23.30 (3.43)	23.00 (4.19)
2	20.5 (1.1)	67.5 (2.4)	-23.80 (2.42)	24.60 (8.03)	17.7 (2.3)	74.9 (3.9)	-22.60 (3.93)	31.40 (7.52)
3	20.5 (0.8)	65.4 (3.1)	-24.20 (2.92)	25.00 (12.20)	18.8 (2.6)	74.4 (5.1)	-22.70 (5.09)	28.90 (12.30)
4	20.0 (1.3)	61.9 (4.0)	-24.20 (2.04)		20.5 (1.1)	69.2 (5.2)	-20.10 (5.61)	20.40 (9.47)
5	17.7 (1.2)	67.8 (1.9)	-24.80 (1.68)		17.3 (2.0)	76.7 (2.2)	-18.90 (6.88)	17.00 (9.90)
6	17.7 (0.9)	67.6 (1.9)	-24.60 (1.71)		16.6 (2.5)	73.9 (2.8)	-23.40 (4.15)	20.20 (7.04)
7	17.5 (1.7)	66.6 (3.0)	-24.40 (1.53)		15.0 (3.6)	77.0 (3.5)	-19.90 (6.39)	20.40 (10.80)
8	16.2 (1.3)	68.7 (2.6)	-24.70 (2.87)		17.8 (0.9)	77.1 (3.0)	-17.50 (6.71)	14.20 (7.51)
9	17.9 (1.8)	63.5 (4.0)	-24.50 (2.08)		19.0 (1.5)	73.7 (6.4)	-18.20 (6.10)	15.50 (8.22)
10	17.2 (2.0)	63.8 (4.1)	-25.10 (2.62)		18.7 (1.5)	74.9 (6.3)	-17.20 (6.66)	15.50 (11.20)
11	17.5 (1.6)	65.2 (2.6)	-24.80 (1.60)		16.9 (3.6)	76.3 (5.4)	-19.00 (6.80)	20.30 (15.00)
12	18.5 (1.8)	64.6 (3.8)	-24.50 (1.71)		16.8 (1.9)	73.0 (5.2)	-21.80 (5.34)	24.50 (10.40)
13	18.9 (1.5)	58.3 (5.7)	-24.50 (2.35)		16.7 (2.3)	67.7 (8.4)	-18.10 (5.58)	20.70 (10.00)
14	16.6 (2.0)	63.0 (4.5)	-27.40 (2.21)		17.6 (1.8)	72.3 (6.7)	-18.40 (6.92)	14.00 (9.71)
15	18.0 (1.7)	64.5 (3.6)	-25.90 (2.24)		18.5 (2.2)	70.4 (4.9)	-21.70 (5.47)	16.80 (6.34)
16	17.0 (2.1)	65.7 (3.6)	-24.40 (1.57)		14.8 (2.5)	71.7 (5.0)	-20.10 (6.67)	21.10 (8.95)
17	16.4 (1.2)	64.3 (3.9)	-22.90 (5.36)		15.1 (2.9)	71.5 (6.4)	-13.40 (7.36)	15.60 (10.70)
18	17.4 (1.1)	65.8 (4.9)	-21.60 (6.23)		18.1 (1.3)	73.4 (6.0)	-17.10 (6.32)	13.40 (6.49)
19	18.3 (0.8)	65.7 (4.3)	-21.50 (5.71)	19.50 (11.10)	19.2 (0.9)	71.3 (5.2)	-18.40 (6.83)	15.60 (10.30)
20	17.6 (0.8)	69.9 (2.6)	-21.80 (5.19)	16.60 (5.71)	18.4 (0.6)	76.1 (3.8)	-16.10 (6.34)	12.20 (4.06)
21	18.2 (1.0)	69.8 (2.8)	-23.10 (5.85)	17.60 (7.54)	18.3 (1.9)	75.1 (4.5)	-19.00 (6.67)	15.20 (8.28)
22	19.4 (0.8)	65.5 (5.2)	-22.90 (4.83)	21.40 (8.84)	19.8 (0.8)	71.5 (5.9)	-18.40 (6.17)	15.50 (6.35)
23	18.9 (0.7)	66.7 (3.7)	-21.60 (5.50)	19.50 (9.73)	19.8 (0.8)	71.2 (4.9)	-19.30 (6.28)	15.40 (6.36)
24	19.4 (0.6)	65.2 (3.1)	-23.40 (5.20)	21.50 (10.30)	20.4 (0.7)	68.1 (4.4)	-20.00 (5.91)	16.80 (6.99)
25	19.1 (1.1)	64.3 (3.9)	-22.30 (6.42)	21.00 (10.10)	19.7 (1.2)	68.6 (5.1)	-16.90 (6.41)	15.60 (6.94)
26	17.4 (1.0)	65.3 (4.4)	-21.40 (5.75)	17.30 (7.49)	16.5 (2.1)	68.7 (5.5)	-17.70 (6.41)	17.10 (7.26)
27	17.4 (1.2)	66.9 (4.7)	-21.40 (5.41)	17.40 (8.74)	14.8 (3.9)	69.0 (4.6)	-20.90 (5.17)	20.70 (7.99)
28	18.3 (1.6)	65.2 (5.5)	-22.70 (4.83)	20.80 (10.50)	15.7 (4.1)	69.1 (5.7)	-19.90 (6.27)	23.70 (13.10)
29	19.4 (1.5)	64.5 (4.4)	-22.10 (4.58)	23.10 (11.10)	19.1 (2.5)	69.2 (6.3)	-19.90 (5.57)	22.60 (12.80)
30	18.5 (0.7)	70.3 (2.3)	-21.80 (5.39)	19.00 (8.59)	15.4 (3.8)	77.9 (3.2)	-20.60 (6.66)	26.60 (17.60)
31	18.3 (0.8)	70.4 (2.3)	-22.80 (6.21)	18.60 (9.41)	19.0 (1.0)	77.2 (2.9)	-20.50 (6.52)	14.60 (7.61)
Mean	18.2	65.9	-23.50	20.20	17.7	72.8	-19.40	18.90
n	31	31	31	16	31	31	31	31
SD	1.1	2.6	1.46	2.45	1.7	3.1	2.16	4.64
Min	16.2	58.3	-27.40	16.60	14.8	67.7	-23.40	12.20
Max	20.5	70.4	-21.40	25.00	20.5	77.9	-13.40	31.40

Table E3. Daily means (SD) of environmental parameters at Site CA2B for January, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	17.6 (1.7)	68.9 (2.5)	-21.70 (6.22)	21.10 (11.20)	18.7 (1.6)	75.8 (3.4)	-20.30 (6.66)	15.30 (7.79)
2	18.6 (0.6)	69.2 (1.9)	-24.30 (5.24)	19.70 (6.60)	19.5 (0.5)	75.3 (3.2)	-21.80 (6.48)	14.20 (3.61)
3	17.9 (1.0)	69.4 (3.0)	-21.90 (5.69)	17.90 (6.79)	16.0 (2.4)	76.3 (4.4)	-17.40 (6.13)	17.40 (7.54)
4	17.2 (1.3)	67.5 (6.1)	-21.00 (5.54)	19.10 (12.50)	17.6 (1.5)	75.4 (7.5)	-15.20 (6.45)	13.10 (9.73)
5	18.6 (0.9)	68.5 (1.8)	-23.70 (5.34)	20.60 (6.50)	19.2 (0.7)	75.5 (3.6)	-20.30 (6.95)	13.60 (3.42)
6	18.8 (0.8)	68.0 (2.4)	-24.10 (4.90)	20.40 (5.95)	17.6 (2.2)	75.3 (4.5)	-19.40 (6.44)	19.00 (9.83)
7	17.9 (0.9)	70.0 (2.2)	-21.80 (4.78)	19.50 (9.53)	17.7 (2.0)	76.7 (4.3)	-18.60 (6.78)	16.50 (11.00)
8	18.3 (1.1)	70.1 (1.8)	-22.90 (4.72)	20.20 (7.11)	15.1 (3.2)	76.7 (3.3)	-18.60 (6.30)	21.80 (10.40)
9	18.7 (0.9)	68.3 (3.6)	-23.30 (4.80)	22.00 (10.10)	18.4 (2.3)	72.1 (4.9)	-22.00 (5.62)	19.40 (6.99)
10	18.2 (1.6)	70.1 (4.5)	-23.10 (4.86)	22.00 (10.40)	16.1 (3.8)	74.1 (6.4)	-19.90 (5.49)	20.00 (7.85)
11	18.5 (1.4)	70.2 (4.4)	-22.20 (5.92)	22.80 (13.30)	16.9 (1.8)	73.7 (5.4)	-19.80 (5.00)	27.20 (14.00)
12	19.3 (1.8)	67.8 (5.9)	-22.90 (5.21)	26.00 (12.60)	15.9 (4.4)	71.4 (6.4)	-21.30 (3.81)	29.80 (9.16)
13	20.0 (1.5)	66.0 (5.9)	-22.80 (5.78)	30.60 (15.60)	20.3 (1.5)	69.8 (7.4)	-20.20 (5.84)	21.90 (12.50)
14	20.1 (1.7)	64.7 (6.5)	-22.30 (6.38)	30.40 (16.60)	20.7 (1.6)	69.7 (6.8)	-19.40 (5.52)	22.00 (12.10)
15	20.0 (1.8)	63.8 (5.8)	-23.00 (5.08)	29.30 (14.90)	20.3 (1.6)	70.7 (7.1)	-19.10 (5.73)	21.40 (12.80)
16	20.3 (1.6)	62.9 (5.2)	-23.40 (5.33)	31.40 (15.70)	20.3 (1.7)	69.3 (7.2)	-19.60 (5.57)	22.80 (13.30)
17	19.7 (1.7)	63.2 (5.6)	-22.90 (4.80)	28.10 (14.10)	18.0 (3.3)	69.8 (6.8)	-19.90 (4.22)	27.20 (11.40)
18	19.6 (2.1)	64.4 (7.4)	-25.20 (2.50)	27.50 (13.80)	20.2 (2.0)	67.4 (8.8)	-19.90 (5.57)	21.50 (12.70)
19	19.6 (2.1)	63.9 (7.0)	-25.10 (2.54)	29.50 (17.00)	20.5 (1.9)	67.1 (8.0)	-19.50 (6.11)	23.40 (14.80)
20	19.3 (2.1)	64.0 (6.6)	-24.60 (2.44)	26.50 (12.60)	20.3 (1.8)	67.2 (8.4)	-19.50 (5.98)	21.70 (13.30)
21	19.9 (1.1)	68.6 (2.9)	-24.40 (3.34)	24.90 (11.80)	20.7 (1.2)	70.5 (4.3)	-18.60 (6.07)	19.50 (11.50)
22	20.7 (0.5)	73.4 (1.6)	-24.60 (2.55)	26.10 (7.42)	21.2 (1.0)	74.1 (3.3)	-19.40 (5.37)	20.90 (8.73)
23	21.2 (0.3)	75.3 (1.4)	-23.60 (2.73)	26.60 (6.45)	21.8 (0.7)	75.4 (2.8)	-20.00 (4.28)	21.40 (7.00)
24	21.5 (0.6)	73.5 (2.8)	-24.80 (2.21)	28.40 (5.97)	22.3 (0.8)	73.7 (2.9)	-20.00 (3.24)	23.30 (6.78)
25	19.2 (1.1)	71.0 (4.1)	-24.50 (2.44)	21.40 (8.78)	20.1 (0.9)	71.6 (5.3)	-18.90 (5.95)	17.00 (10.20)
26	18.4 (1.5)	71.4 (3.9)	-25.10 (1.90)	19.70 (3.74)	19.4 (1.0)	73.4 (5.3)	-16.60 (5.90)	13.90 (5.24)
27	17.2 (1.8)	70.1 (4.3)	-25.40 (1.98)	18.90 (3.62)	18.5 (1.6)	72.9 (5.0)	-16.20 (6.32)	13.50 (5.70)
28	17.4 (1.6)	69.2 (5.4)	-24.70 (2.98)	21.70 (11.30)	18.7 (1.1)	72.1 (6.5)	-16.40 (6.14)	15.80 (11.50)
29	18.3 (1.9)	69.2 (4.9)	-24.60 (2.31)	22.40 (8.95)	19.6 (1.3)	71.7 (5.5)	-19.20 (5.76)	18.00 (9.15)
30	19.4 (1.7)	69.3 (3.9)	-24.60 (2.23)	23.80 (9.34)	19.7 (1.6)	71.8 (5.1)	-19.90 (5.26)	19.90 (10.50)
31	18.8 (2.2)	69.7 (5.0)	-25.20 (2.42)	24.20 (11.30)	20.0 (1.6)	72.4 (6.3)	-19.60 (5.98)	19.30 (11.30)
Mean	19.0	68.4	-23.70	24.00	19.1	72.5	-19.30	19.70
n	31	31	31	31	31	31	31	31
SD	1.1	3.1	1.20	3.96	1.8	2.8	1.51	4.11
Min	17.2	62.9	-25.40	17.90	15.1	67.1	-22.00	13.10
Max	21.5	75.3	-21.00	31.40	22.3	76.7	-15.20	29.80

Table E3. Daily means (SD) of environmental parameters at Site CA2B for February, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	19.6 (1.7)	67.3 (4.7)	-25.40 (3.24)	28.20 (15.90)	20.2 (1.3)	70.6 (5.8)	-19.60 (5.64)	21.70 (14.20)
2	20.2 (2.0)	67.4 (4.6)	-24.90 (2.41)	28.60 (14.00)	20.8 (1.4)	70.5 (5.0)	-20.60 (4.61)	24.10 (14.30)
3	20.2 (2.1)	67.2 (5.6)	-25.10 (2.99)	31.20 (18.60)	20.9 (1.7)	70.1 (6.2)	-21.00 (6.02)	26.50 (19.90)
4	20.4 (2.0)	67.0 (4.9)	-25.10 (2.84)	30.50 (16.80)	20.8 (1.4)	70.0 (5.4)	-21.10 (4.42)	25.60 (16.20)
5	20.6 (0.6)	67.9 (2.5)	-24.50 (2.67)	25.20 (7.78)	21.2 (0.6)	70.1 (2.8)	-21.00 (2.72)	21.10 (7.28)
6	20.6 (0.7)	69.2 (3.1)	-23.80 (2.04)	24.20 (5.78)	20.9 (0.5)	72.4 (2.7)	-21.30 (3.87)	20.40 (7.02)
7	20.5 (1.2)	68.1 (3.9)	-25.30 (2.55)	26.40 (9.66)	20.7 (0.9)	71.2 (5.2)	-19.70 (4.78)	20.30 (9.34)
8	19.7 (1.2)	68.8 (4.2)	-25.40 (2.67)	24.60 (12.60)	20.3 (0.9)	71.3 (4.3)	-21.10 (5.65)	19.80 (11.20)
9	18.4 (1.4)	67.5 (4.5)	-25.10 (2.27)	20.20 (4.78)	19.0 (0.9)	70.8 (5.5)	-17.30 (5.91)	14.30 (5.56)
10	16.2 (2.3)	62.9 (9.0)	-23.50 (4.08)	28.20 (14.70)	18.4 (1.3)	68.7 (7.9)	-16.90 (5.92)	15.00 (8.25)
11	18.2 (1.1)	63.1 (4.9)	-25.20 (4.92)	26.90 (17.60)	18.9 (2.2)	64.5 (6.0)	-17.90 (6.73)	20.10 (12.20)
12	18.1 (1.7)	62.8 (5.0)	-24.10 (3.01)	22.10 (7.38)	19.4 (2.1)	62.6 (4.6)	-18.90 (5.52)	21.40 (15.40)
13	17.8 (1.2)	63.5 (3.4)	-25.80 (2.58)	19.50 (5.03)	19.7 (0.5)	65.5 (3.3)	-20.00 (5.56)	14.90 (5.12)
14	18.9 (1.2)	61.4 (4.7)	-26.20 (2.23)	20.40 (4.81)	20.0 (0.9)	63.3 (4.9)	-21.10 (5.25)	16.60 (6.14)
15	18.9 (1.2)	58.9 (2.9)	-27.00 (2.85)	22.40 (12.10)	20.0 (1.0)	62.0 (2.8)	-21.80 (4.57)	17.90 (11.30)
16	19.4 (0.6)	61.2 (4.2)	-27.80 (3.51)	21.60 (5.23)	20.5 (0.5)	63.9 (4.0)	-21.40 (4.62)	16.90 (5.31)
17	19.0 (0.8)	64.1 (2.2)	-27.90 (2.57)	19.80 (4.09)	20.3 (0.5)	67.1 (3.4)	-21.70 (5.44)	15.40 (4.69)
18	19.5 (1.6)	61.4 (4.8)	-25.00 (3.04)	25.10 (12.40)	20.4 (1.2)	64.7 (5.6)	-20.30 (5.55)	20.60 (13.20)
19	19.9 (2.0)	59.8 (6.5)	-25.20 (2.77)	27.70 (12.30)	20.6 (1.5)	63.7 (7.9)	-20.10 (5.94)	23.30 (15.50)
20	20.1 (1.9)	60.2 (5.7)	-25.30 (2.80)	27.50 (11.80)	20.7 (1.5)	64.1 (7.1)	-18.40 (5.42)	21.10 (12.00)
21	20.2 (1.5)	62.9 (2.9)	-24.50 (2.66)	24.90 (9.15)	21.1 (1.0)	66.0 (3.9)	-21.10 (3.88)	20.80 (8.03)
22	21.4 (0.9)	66.5 (2.2)	-27.10 (3.25)	29.80 (12.50)	21.9 (0.7)	68.6 (2.8)	-22.80 (2.41)	25.10 (9.66)
23	22.2 (0.7)	66.5 (1.9)	-25.60 (2.74)	35.40 (11.60)	22.7 (0.4)	69.6 (1.6)	-21.60 (1.54)	28.20 (9.59)
24	21.6 (1.2)	61.4 (4.6)	-25.70 (3.11)	31.90 (12.50)	21.9 (0.9)	63.9 (5.4)	-20.20 (3.38)	25.40 (11.90)
25	21.5 (0.8)	58.5 (5.1)	-26.10 (2.95)	31.70 (14.20)	21.8 (0.9)	61.7 (6.1)	-19.90 (4.42)	24.60 (12.90)
26	21.7 (1.3)	61.1 (4.4)	-25.00 (2.63)	33.30 (14.60)	22.1 (1.0)	64.0 (5.2)	-20.60 (4.18)	26.80 (14.40)
27	20.7 (1.2)	58.8 (5.8)	-25.10 (2.67)	26.80 (11.10)	20.8 (1.7)	62.2 (7.1)	-19.00 (5.10)	21.80 (9.17)
28	20.8 (1.5)	62.7 (2.4)	-24.20 (2.46)	32.50 (14.70)	19.2 (3.5)	67.5 (3.8)	-20.50 (2.53)	33.30 (9.72)
Mean	19.9	63.9	-25.40	26.70	20.5	66.8	-20.30	21.50
n	28	28	28	28	28	28	28	28
SD	1.3	3.3	1.05	4.33	1.0	3.4	1.37	4.41
Min	16.2	58.5	-27.90	19.50	18.4	61.7	-22.80	14.30
Max	22.2	69.2	-23.50	35.40	22.7	72.4	-16.90	33.30

Table E3. Daily means (SD) of environmental parameters at Site CA2B for March, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	21.8 (0.7)	65.5 (3.1)	-25.60 (3.07)	30.80 (10.80)	22.1 (0.7)	69.6 (2.8)	-20.00 (2.37)	23.40 (9.27)
2	22.4 (0.7)	64.2 (2.8)	-27.60 (2.69)	33.90 (11.60)	22.5 (0.6)	68.2 (2.8)	-22.90 (2.38)	29.90 (11.30)
3	21.5 (0.7)	62.5 (4.0)	-26.10 (2.53)	26.30 (6.78)	22.1 (0.5)	66.4 (4.3)	-22.10 (2.85)	21.90 (5.88)
4	20.4 (1.0)	61.6 (5.9)	-24.90 (3.03)	24.20 (10.50)	21.2 (0.7)	65.9 (6.4)	-19.60 (4.77)	19.30 (10.20)
5	19.6 (1.6)	62.3 (6.0)	-25.20 (2.70)	24.60 (10.40)	20.7 (1.0)	65.5 (7.6)	-20.00 (5.47)	19.10 (9.17)
6	19.9 (1.5)	63.0 (6.2)	-24.90 (2.39)	23.30 (7.42)	20.9 (1.0)	66.4 (7.3)	-18.30 (5.84)	17.10 (6.97)
7	19.9 (1.7)	61.1 (8.1)	-25.00 (2.35)	25.30 (10.30)	21.0 (1.3)	64.4 (9.4)	-19.10 (5.75)	19.00 (9.78)
8	20.2 (2.0)	59.3 (8.3)	-24.40 (4.00)	28.40 (16.00)	21.2 (1.5)	61.3 (8.8)	-20.40 (5.75)	24.00 (15.60)
9	19.3 (1.6)	58.7 (7.4)	-18.70 (7.68)	20.10 (5.23)	19.6 (2.3)	59.7 (8.4)	-16.60 (5.86)	19.50 (12.70)
10	18.2 (2.8)	58.4 (7.2)	-21.60 (14.00)	22.80 (7.62)	18.4 (3.5)	62.8 (9.7)	-17.20 (6.28)	18.80 (13.20)
11	18.7 (2.7)	57.9 (7.4)	-29.40 (15.70)	28.40 (13.90)	20.3 (1.5)	62.5 (9.6)	-17.60 (6.18)	20.50 (15.90)
12	20.9 (2.1)	59.6 (8.2)	-23.70 (4.88)	28.10 (13.30)	21.3 (1.7)	61.1 (8.3)	-19.40 (5.82)	24.40 (16.10)
13	20.2 (3.6)	60.3 (8.2)	-26.10 (5.77)	39.20 (20.50)	21.8 (1.6)	61.4 (7.7)	-20.80 (5.62)	28.70 (21.30)
14	20.9 (1.3)	62.0 (6.7)	-24.60 (6.10)	26.10 (10.60)	21.2 (1.3)	62.9 (6.3)	-18.90 (5.97)	20.90 (10.20)
15	21.7 (1.7)	60.9 (6.1)	-26.60 (8.13)	34.60 (20.10)	22.1 (1.5)	62.3 (6.7)	-20.90 (5.04)	30.90 (21.10)
16	22.5 (1.3)	62.0 (5.7)	-27.70 (4.74)	41.80 (23.80)	22.8 (1.2)	64.6 (5.5)	-21.10 (6.04)	34.10 (22.70)
17	22.3 (1.2)	62.4 (5.0)	-27.40 (6.89)	38.80 (23.00)	22.6 (1.1)	65.5 (6.3)	-18.40 (6.23)	32.40 (22.40)
18	22.3 (1.5)	61.3 (6.9)	-27.50 (5.51)	33.70 (20.70)	22.5 (1.3)	63.7 (7.2)	-21.30 (6.44)	27.00 (19.00)
19	23.2 (2.0)	59.5 (5.9)	-26.90 (5.88)	46.40 (25.10)	23.5 (1.8)	62.1 (6.6)	-23.40 (5.50)	41.60 (26.10)
20	23.2 (2.1)	61.0 (5.8)	-28.10 (4.62)	45.40 (25.60)	23.3 (2.0)	63.5 (6.4)	-21.30 (7.19)	39.60 (27.60)
21	22.2 (1.2)	60.6 (4.9)	-26.20 (3.19)	33.40 (14.60)	22.2 (1.5)	64.2 (5.1)	-18.90 (5.88)	27.20 (14.70)
22	20.3 (1.2)	60.3 (5.2)	-23.30 (5.54)	23.60 (10.20)	20.6 (1.2)	62.5 (6.4)	-16.40 (6.69)	19.00 (10.60)
23	19.3 (1.9)	58.0 (7.7)	-22.20 (5.03)	21.60 (5.87)	18.8 (2.9)	60.6 (9.2)	-13.70 (7.55)	20.50 (14.20)
24	20.6 (2.5)	58.4 (7.0)	-23.10 (3.69)	28.00 (13.30)	21.2 (2.0)	61.4 (7.6)	-19.20 (5.81)	24.60 (15.10)
25	21.9 (1.7)	58.0 (6.8)	-25.70 (5.64)	38.20 (23.60)	21.4 (2.8)	60.5 (8.1)	-19.80 (6.33)	33.70 (22.40)
26	23.3 (1.8)	55.6 (7.8)	-29.20 (6.01)	44.20 (23.00)	23.1 (1.8)	57.5 (8.7)	-16.70 (6.03)	43.10 (29.70)
27	23.1 (2.0)	55.7 (6.9)	-28.20 (5.22)	46.00 (25.60)	23.3 (2.0)	57.3 (7.5)	-22.70 (5.55)	40.60 (27.30)
28	24.0 (2.4)	55.8 (7.8)	-28.10 (5.09)	52.00 (26.20)	24.3 (2.4)	57.4 (8.5)	-24.50 (5.87)	48.00 (27.20)
29	21.7 (1.2)	49.1 (9.4)	-26.20 (6.36)	31.90 (13.60)	21.3 (1.7)	51.0 (10.5)	-12.40 (7.00)	30.20 (17.20)
30	20.6 (1.6)	49.7 (6.2)	-23.90 (5.25)	28.30 (11.70)	20.7 (1.8)	51.5 (6.8)	-17.30 (7.56)	24.80 (14.80)
31	21.7 (2.1)	53.9 (8.5)	-26.30 (5.92)	40.40 (25.00)	21.9 (1.9)	55.0 (9.0)	-22.10 (5.27)	36.90 (27.10)
Mean	21.2	59.3	-25.60	32.60	21.6	61.9	-19.40	27.80
n	31	31	31	31	31	31	31	31
SD	1.5	3.7	2.29	8.46	1.3	4.2	2.65	8.33
Min	18.2	49.1	-29.40	20.10	18.4	51.0	-24.50	17.10
Max	24.0	65.5	-18.70	52.00	24.3	69.6	-12.40	48.00

Table E3. Daily means (SD) of environmental parameters at Site CA2B for April, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	23.0 (2.1)	52.7 (8.2)	-29.00 (7.14)	44.70 (24.30)	23.0 (2.0)	53.7 (8.3)	-18.30 (6.96)	44.90 (30.10)
2	21.9 (1.7)	55.3 (6.5)	-26.00 (5.63)	39.80 (23.00)	20.5 (3.0)	58.9 (8.7)	-20.50 (5.32)	42.20 (21.90)
3	20.7 (1.7)	51.2 (11.2)	-24.80 (6.62)	27.40 (11.50)	20.9 (1.5)	53.0 (11.1)	-12.70 (6.65)	24.20 (13.10)
4	20.6 (2.1)	48.8 (9.3)	-23.20 (4.99)	29.00 (13.40)	20.8 (2.0)	50.9 (10.0)	-18.90 (6.43)	26.50 (17.90)
5	22.3 (2.6)	45.1 (11.2)	-26.90 (6.20)	44.50 (26.70)	22.9 (2.8)	47.3 (12.5)	-22.80 (6.83)	41.40 (29.00)
6	23.3 (3.2)	46.7 (8.4)	-27.20 (5.21)	48.70 (26.90)	22.7 (3.9)	48.7 (8.8)	-23.80 (4.32)	46.00 (27.60)
7	21.3 (1.2)	58.7 (7.5)	-24.70 (5.02)	29.90 (14.20)	21.7 (0.8)	60.6 (7.6)	-19.50 (3.03)	25.60 (14.10)
8	21.1 (1.1)	61.5 (5.8)	-24.60 (4.65)	29.00 (12.20)	21.8 (0.9)	63.7 (5.6)	-21.40 (5.00)	26.40 (12.90)
9	21.0 (1.1)	65.3 (4.0)	-23.90 (4.65)	25.60 (6.87)	21.6 (0.8)	67.0 (3.5)	-21.10 (3.65)	22.90 (7.30)
10	21.1 (1.4)	64.9 (5.0)	-23.70 (4.81)	27.00 (8.33)	21.5 (1.3)	66.2 (6.0)	-17.70 (5.57)	23.30 (11.20)
11	20.8 (2.3)	61.1 (7.5)	-23.80 (5.01)	30.20 (14.20)	21.3 (1.8)	62.6 (8.0)	-19.40 (5.22)	26.80 (17.20)
12	22.0 (2.1)	60.6 (6.5)	-26.20 (5.69)	44.00 (25.80)	22.4 (2.0)	62.6 (7.1)	-22.30 (6.66)	37.90 (26.10)
13	20.9 (3.2)	63.1 (6.0)	-27.90 (5.76)	48.90 (22.80)	22.3 (1.7)	63.7 (4.6)	-21.20 (6.92)	35.10 (23.80)
14	19.7 (1.2)	54.0 (7.5)	-24.40 (6.55)	24.60 (7.90)	19.5 (2.0)	55.1 (7.6)	-13.60 (6.63)	24.60 (12.90)
15	19.3 (2.1)	52.2 (7.8)	-22.30 (6.95)	26.40 (13.50)	16.4 (4.2)	53.0 (8.7)	-17.20 (8.73)	43.60 (16.40)
16	20.6 (2.6)	56.1 (9.0)	-24.60 (6.30)	35.30 (21.60)	18.1 (5.2)	60.1 (11.8)	-21.80 (6.28)	44.80 (23.00)
17	22.2 (2.6)	54.8 (8.2)	-26.40 (5.86)	46.20 (26.00)	22.3 (2.6)	57.0 (9.0)	-23.00 (6.20)	40.20 (27.10)
18	24.3 (2.8)	56.3 (6.6)	-28.70 (3.73)	56.90 (25.00)	23.4 (3.7)	58.9 (7.3)	-25.20 (4.58)	57.20 (24.40)
19	25.0 (2.5)	59.9 (3.9)	-26.40 (4.47)	64.60 (25.20)	25.5 (2.5)	60.7 (4.4)	-26.00 (3.14)	61.00 (26.10)
20	25.5 (2.4)	61.8 (4.6)	-26.30 (5.48)	68.60 (23.30)	26.0 (2.8)	61.2 (4.1)	-23.60 (3.76)	64.30 (25.90)
21	25.7 (2.3)	63.4 (5.7)	-26.00 (5.09)	71.80 (20.50)	25.9 (2.5)	63.8 (5.8)	-23.60 (3.85)	70.50 (22.00)
22	25.5 (2.3)	57.2 (4.8)	-26.00 (4.86)	66.70 (23.00)	25.8 (3.0)	56.4 (7.2)	-22.90 (4.03)	67.00 (24.00)
23	23.7 (2.2)	51.9 (7.0)	-28.30 (5.30)	50.40 (23.00)	23.1 (2.3)	53.1 (8.1)	-24.60 (4.53)	48.40 (26.60)
24	21.0 (1.7)	46.9 (7.0)	-23.50 (5.16)	32.40 (13.30)	20.3 (2.3)	46.4 (7.9)	-21.70 (4.15)	37.80 (17.30)
25	20.4 (3.0)	54.6 (8.1)	-23.90 (7.24)	38.20 (24.10)	18.5 (4.6)	55.9 (9.8)	-21.10 (5.03)	46.90 (21.60)
26	20.6 (2.5)	54.5 (8.7)	-24.30 (7.01)	39.00 (23.30)	20.3 (2.5)	54.8 (9.1)	-22.80 (5.64)	40.10 (23.60)
27	20.8 (2.0)	53.7 (7.5)	-24.40 (6.76)	35.20 (19.60)	20.2 (2.1)	54.7 (8.0)	-22.50 (3.70)	35.30 (18.20)
28	19.8 (2.1)	55.7 (6.3)	-21.40 (5.09)	26.30 (10.60)	19.3 (2.1)	56.0 (8.2)	-21.00 (3.92)	30.40 (14.00)
29	20.0 (2.7)	54.6 (7.8)	-22.40 (6.66)	32.70 (19.30)	19.3 (2.6)	56.3 (9.4)	-21.40 (4.03)	37.00 (20.10)
30	21.3 (2.9)	52.6 (8.0)	-25.10 (6.85)	42.90 (24.60)	21.0 (2.7)	54.4 (9.0)	-23.50 (6.29)	43.10 (24.30)
Mean	21.8	55.8	-25.20	40.90	21.6	57.2	-21.20	40.50
n	30	30	30	30	30	30	30	30
SD	1.8	5.3	1.87	13.60	2.3	5.3	2.99	13.10
Min	19.3	45.1	-29.00	24.60	16.4	46.4	-26.00	22.90
Max	25.7	65.3	-21.40	71.80	26.0	67.0	-12.70	70.50

Table E3. Daily means (SD) of environmental parameters at Site CA2B for May, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	22.4 (0.9)	61.7 (8.0)	-26.20 (3.91)	39.20 (20.00)	22.3 (0.9)	62.9 (8.0)	-24.10 (4.04)	45.10 (17.40)
2	22.2 (0.6)	66.6 (3.8)	-24.00 (2.77)	34.20 (11.00)	22.3 (0.6)	67.0 (2.9)	-24.00 (2.19)	44.20 (12.50)
3	22.7 (1.2)	68.4 (4.2)	-24.20 (7.28)	41.50 (24.50)	22.8 (1.2)	69.7 (3.5)	-25.40 (4.53)	52.00 (21.30)
4	23.1 (2.0)	60.2 (7.6)	-26.20 (7.28)	48.00 (25.50)	23.5 (2.1)	61.8 (7.0)	-25.20 (4.54)	55.30 (22.90)
5	24.9 (2.1)	60.4 (5.5)	-29.30 (4.88)	54.70 (24.50)	24.7 (2.2)	63.8 (5.9)	-26.40 (4.13)	62.60 (18.40)
6	24.9 (2.6)	61.4 (5.9)	-28.70 (5.78)	54.60 (25.70)	24.3 (2.6)	66.0 (5.9)	-23.60 (7.57)	59.90 (24.30)
7	23.7 (2.0)	55.9 (10.2)	-27.60 (8.19)	48.20 (25.00)	22.9 (2.5)	62.5 (13.5)	-15.20 (7.75)	55.10 (26.40)
8	24.0 (3.1)	49.1 (9.1)	-27.70 (8.15)	50.60 (25.90)	23.9 (2.7)	53.8 (9.5)	-21.60 (4.98)	55.40 (25.90)
9	23.6 (4.3)	52.3 (9.6)	-29.10 (5.76)	64.60 (19.40)	24.3 (3.0)	55.4 (7.8)	-23.50 (6.72)	59.20 (25.90)
10	24.7 (3.1)	49.8 (6.2)	-25.90 (9.17)	54.90 (28.40)	24.1 (3.4)	55.5 (9.3)	-18.30 (9.59)	65.30 (24.40)
11	24.4 (3.2)	45.6 (6.6)	-25.30 (8.29)	51.60 (28.50)	23.2 (3.9)	52.1 (9.7)	-23.90 (3.63)	61.40 (23.00)
12	23.3 (3.3)	43.4 (6.7)	-25.60 (9.62)	44.40 (25.90)	22.0 (3.8)	50.1 (9.6)	-22.30 (4.11)	52.50 (27.90)
13	24.3 (3.4)	42.8 (7.6)	-27.90 (9.58)	52.40 (26.50)	23.5 (3.5)	48.4 (9.7)	-22.20 (4.47)	57.60 (30.10)
14	24.8 (2.9)	49.2 (5.7)	-27.30 (8.18)	55.60 (26.80)	24.0 (3.3)	55.4 (7.0)	-23.50 (3.98)	57.30 (28.20)
15	25.5 (2.7)	56.9 (5.1)	-25.70 (5.80)	63.10 (27.20)	24.9 (3.1)	62.4 (6.9)	-24.00 (4.24)	64.10 (26.80)
16	26.8 (2.7)	57.2 (2.9)	-24.90 (4.96)	72.00 (23.50)	27.0 (3.0)	60.9 (4.2)	-23.00 (4.04)	72.80 (22.80)
17	27.6 (2.5)	58.5 (4.2)	-24.80 (5.30)	83.60 (7.39)	27.5 (2.4)	63.1 (4.4)	-23.80 (4.53)	82.60 (12.40)
18	27.2 (2.3)	53.2 (6.3)	-25.50 (5.56)	78.90 (15.80)	27.3 (2.3)	56.3 (6.1)	-23.50 (4.00)	79.00 (15.50)
19	25.6 (2.3)	48.8 (6.0)	-26.70 (5.14)	65.90 (22.80)	25.5 (2.3)	53.0 (6.2)	-22.50 (4.13)	63.40 (25.70)
20	24.9 (3.1)	38.7 (5.0)	-25.50 (7.49)	58.80 (29.00)	24.3 (3.1)	43.6 (6.3)	-23.40 (5.05)	57.40 (30.20)
21	25.2 (2.9)	43.4 (4.3)	-24.60 (6.79)	60.90 (28.60)	24.9 (3.2)	47.4 (5.8)	-23.60 (4.48)	62.80 (27.30)
22	25.4 (2.6)	48.4 (3.5)	-25.90 (6.30)	63.00 (26.80)	25.3 (2.8)	52.4 (4.0)	-22.60 (5.06)	61.60 (28.30)
23	24.6 (2.9)	49.4 (5.2)	-25.10 (7.71)	53.30 (27.70)	24.1 (3.0)	54.9 (6.4)	-22.40 (6.42)	52.20 (28.40)
24	23.6 (3.0)	50.0 (6.3)	-25.20 (8.52)	50.50 (27.40)	23.0 (3.1)	55.7 (7.5)	-22.10 (7.10)	47.80 (29.00)
25	24.3 (3.3)	52.1 (5.2)	-24.90 (7.62)	54.30 (28.20)	23.5 (3.7)	57.5 (6.5)	-23.80 (4.83)	53.90 (28.70)
26	25.7 (2.7)	53.7 (4.2)	-24.90 (5.38)	68.10 (26.80)	25.0 (3.6)	58.5 (5.1)	-23.40 (3.74)	70.80 (21.50)
27	26.9 (2.2)	55.7 (3.3)	-25.00 (5.51)	78.60 (16.90)	27.1 (2.3)	59.0 (3.9)	-23.50 (4.22)	75.70 (15.40)
28	26.6 (2.3)	54.7 (4.0)	-25.10 (5.69)	75.40 (20.00)	26.9 (2.7)	56.6 (3.7)	-22.90 (4.55)	76.50 (17.50)
29	25.7 (2.3)	54.1 (3.2)	-27.00 (5.14)	67.20 (21.70)	25.8 (2.3)	57.6 (3.1)	-23.10 (4.02)	64.80 (24.50)
30	24.9 (2.7)	56.7 (3.3)	-26.20 (6.67)	58.30 (26.80)	24.4 (3.2)	62.1 (4.6)	-24.10 (5.35)	59.00 (24.40)
31	24.9 (2.6)	54.1 (4.8)	-26.40 (5.66)	59.00 (26.30)	24.7 (2.9)	58.5 (6.2)	-22.90 (5.30)	56.70 (28.50)
Mean	24.8	53.3	-26.10	58.20	24.5	57.6	-23.00	60.80
n	31	31	31	31	31	31	31	31
SD	1.4	6.8	1.39	11.60	1.5	5.9	1.95	9.32
Min	22.2	38.7	-29.30	34.20	22.0	43.6	-26.40	44.20
Max	27.6	68.4	-24.00	83.60	27.5	69.7	-15.20	82.60

Table E3. Daily means (SD) of environmental parameters at Site CA2B for June, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	24.7 (2.7)	53.9 (4.3)	-27.00 (6.84)	56.60 (25.60)	24.6 (2.7)	58.2 (5.2)	-22.50 (5.48)	53.90 (27.50)
2	24.7 (2.2)	55.4 (4.4)	-29.10 (5.69)	59.30 (23.70)	24.1 (2.8)	60.4 (5.7)	-27.40 (3.34)	63.10 (19.60)
3	24.5 (2.3)	54.7 (7.1)	-27.50 (4.72)	58.70 (25.30)	24.5 (2.4)	58.5 (7.3)	-23.70 (5.31)	55.80 (27.10)
4	23.9 (2.0)	55.9 (6.1)	-28.40 (5.91)	54.70 (23.10)	23.7 (2.1)	59.7 (6.5)	-22.60 (6.77)	49.40 (26.70)
5	22.6 (1.1)	59.9 (5.3)	-26.40 (4.65)	45.70 (22.40)	22.1 (1.8)	63.5 (6.1)	-24.90 (4.16)	46.40 (22.00)
6	23.7 (2.3)	55.8 (7.4)	-27.90 (6.28)	54.20 (24.10)	23.0 (2.7)	59.4 (7.9)	-24.30 (5.51)	50.50 (27.00)
7	24.6 (2.8)	53.6 (7.5)	-27.90 (6.50)	57.70 (24.30)	23.6 (3.4)	57.9 (8.4)	-24.50 (5.59)	58.50 (24.70)
8	24.8 (2.6)	52.0 (6.8)	-27.80 (5.20)	56.80 (24.50)	24.4 (2.9)	55.1 (8.0)	-23.50 (5.87)	53.00 (28.30)
9	23.9 (2.3)	53.5 (6.6)	-28.90 (6.11)	52.70 (23.20)	22.7 (3.1)	58.7 (8.1)	-22.80 (5.03)	53.10 (23.40)
10	23.9 (1.9)	57.3 (4.8)	-29.50 (5.48)	55.10 (21.70)	23.1 (2.4)	62.1 (6.4)	-23.60 (4.93)	54.20 (22.20)
11	24.1 (2.4)	57.4 (5.6)	-28.50 (5.27)	55.70 (23.70)	23.0 (3.4)	61.8 (7.4)	-24.40 (4.67)	54.70 (23.00)
12	24.0 (2.3)	55.5 (6.2)	-29.00 (5.25)	54.70 (23.60)	23.3 (2.7)	58.9 (7.2)	-23.20 (5.74)	48.80 (27.70)
13	24.2 (2.1)	60.7 (4.8)	-29.50 (4.66)	58.80 (20.80)	24.3 (2.1)	62.8 (5.0)	-23.80 (5.99)	53.00 (25.80)
14	24.0 (2.4)	55.8 (8.3)	-27.70 (5.42)	56.70 (24.10)	23.8 (2.7)	58.0 (9.1)	-22.30 (7.13)	51.20 (28.00)
15	24.0 (2.1)	57.3 (5.8)	-28.10 (5.18)	56.40 (22.50)	23.4 (2.4)	61.2 (7.9)	-21.30 (8.38)	50.40 (26.40)
16	25.0 (2.4)	58.7 (4.8)	-27.60 (4.77)	65.00 (21.90)	24.8 (2.8)	61.7 (7.8)	-22.10 (7.02)	60.20 (26.60)
17	25.0 (2.4)	59.5 (3.8)	-27.60 (4.78)	63.00 (24.60)	25.1 (2.7)	60.0 (4.9)	-24.50 (3.74)	57.80 (29.20)
18	25.7 (2.5)	63.1 (3.1)	-25.00 (5.49)	72.90 (21.70)	26.1 (2.9)	62.7 (3.6)	-23.00 (4.81)	67.80 (27.70)
19	25.8 (2.1)	57.8 (7.2)	-25.40 (5.40)	77.10 (16.00)	26.2 (2.5)	57.3 (7.7)	-23.20 (4.38)	72.00 (21.90)
20	24.4 (2.7)	51.9 (5.9)	-26.80 (5.20)	59.40 (24.30)	24.4 (2.7)	54.4 (6.2)	-23.80 (4.42)	56.20 (28.60)
21	24.2 (2.7)	52.4 (5.6)	-29.10 (5.16)	59.20 (22.70)	23.2 (3.5)	56.2 (7.5)	-24.50 (3.15)	56.60 (25.30)
22	25.0 (2.3)	51.1 (6.1)	-26.10 (5.44)	67.90 (23.10)	25.2 (2.7)	51.6 (8.0)	-23.00 (4.35)	63.50 (28.30)
23	26.4 (2.4)	52.2 (3.3)	-24.40 (5.60)	77.70 (15.90)	26.7 (2.6)	53.6 (4.1)	-22.60 (4.07)	73.50 (21.10)
24	26.5 (2.3)	54.1 (2.5)	-25.40 (5.97)	80.00 (13.10)	27.1 (2.7)	53.4 (3.1)	-22.70 (4.56)	75.80 (18.30)
25	25.6 (2.3)	53.2 (4.9)	-25.70 (5.41)	73.20 (17.60)	26.1 (2.6)	53.1 (5.3)	-22.60 (4.16)	67.20 (24.20)
26	25.4 (2.3)	52.5 (3.4)	-26.00 (5.35)	70.90 (22.00)	25.5 (3.2)	52.5 (5.1)	-23.00 (4.03)	65.20 (26.10)
27	27.2 (2.5)	59.3 (3.2)	-23.50 (5.61)	80.40 (13.90)	27.6 (2.6)	60.3 (3.7)	-22.30 (3.85)	68.80 (20.50)
28	28.2 (1.9)	60.7 (6.0)	-24.00 (5.81)	86.70 (4.53)	28.5 (2.2)	61.2 (6.3)	-23.30 (4.99)	84.70 (8.91)
29	27.9 (1.6)	53.8 (6.7)	-24.10 (5.71)	86.50 (4.45)	28.6 (2.2)	51.6 (6.3)	-23.30 (5.62)	87.10 (4.16)
30	26.1 (2.3)	57.7 (4.2)	-26.20 (6.10)	79.70 (13.30)	26.9 (2.8)	55.3 (3.8)	-23.10 (4.47)	76.30 (18.30)
Mean	25.0	55.9	-27.00	64.40	24.9	58.0	-23.40	61.00
n	30	30	30	30	30	30	30	30
SD	1.3	3.1	1.72	11.00	1.7	3.5	1.12	10.60
Min	22.6	51.1	-29.50	45.70	22.1	51.6	-27.40	46.40
Max	28.2	63.1	-23.50	86.70	28.6	63.5	-21.30	87.10

Table E3. Daily means (SD) of environmental parameters at Site CA2B for July, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	26.2 (2.1)	59.6 (2.6)	-26.30 (6.28)	80.80 (11.90)	27.0 (2.6)	57.3 (2.9)	-22.90 (4.45)	75.20 (18.20)
2	26.2 (2.4)	59.7 (3.1)	-24.90 (5.41)	75.80 (17.70)	26.7 (2.7)	58.8 (3.9)	-22.80 (3.77)	71.40 (22.80)
3	26.0 (2.3)	58.0 (3.6)	-25.40 (5.52)	76.10 (17.70)	26.6 (2.8)	56.5 (4.0)	-23.20 (4.87)	71.40 (22.50)
4	25.6 (2.2)	58.4 (3.1)	-25.80 (5.10)	74.40 (17.90)	26.1 (2.7)	57.5 (2.4)	-23.10 (4.62)	67.80 (23.70)
5	24.9 (2.1)	59.6 (3.0)	-25.80 (4.21)	68.90 (21.10)	25.3 (2.7)	59.2 (4.2)	-23.20 (4.67)	60.90 (27.40)
6	24.1 (2.7)	54.0 (6.1)	-25.60 (5.29)	62.10 (25.90)	24.0 (3.8)	53.9 (8.8)	-23.20 (5.20)	62.70 (26.10)
7	24.3 (2.6)	51.1 (5.5)	-25.80 (5.26)	65.80 (25.00)	24.7 (3.0)	50.3 (6.9)	-22.90 (4.76)	60.70 (29.90)
8	24.8 (2.4)	53.9 (4.4)	-26.50 (5.22)	69.10 (22.20)	25.3 (2.7)	53.0 (5.4)	-23.80 (3.78)	64.90 (26.70)
9	24.8 (2.3)	54.3 (4.0)	-25.60 (5.55)	67.00 (23.10)	25.1 (2.7)	54.2 (4.9)	-23.20 (4.40)	61.30 (28.90)
10	24.7 (2.3)	53.4 (5.6)	-25.40 (5.71)	69.20 (23.30)	25.2 (2.9)	51.9 (7.2)	-22.60 (4.61)	64.30 (29.30)
11	25.6 (2.1)	53.7 (3.7)	-26.40 (5.13)	74.60 (17.50)	26.1 (2.4)	51.8 (4.7)	-24.20 (3.71)	70.10 (23.00)
12	25.4 (1.9)	49.2 (4.2)	-25.10 (5.13)	74.30 (19.10)	26.1 (2.3)	46.2 (5.3)	-23.10 (4.59)	71.50 (23.60)
13	25.9 (2.2)	51.2 (3.1)	-25.40 (5.71)	74.50 (19.30)	26.6 (2.9)	48.9 (3.9)	-21.80 (4.77)	71.70 (24.10)
14	27.0 (2.2)	57.7 (5.5)	-25.20 (6.51)	84.20 (9.03)	27.6 (2.5)	57.8 (6.7)	-23.40 (4.44)	80.90 (12.90)
15	27.4 (2.3)	59.0 (4.9)	-24.70 (5.57)	86.50 (4.29)	27.8 (2.5)	60.3 (6.2)	-24.60 (5.13)	86.20 (5.70)
16	27.1 (2.4)	58.8 (5.1)	-24.80 (5.93)	85.40 (5.83)	27.8 (2.7)	57.1 (5.0)	-23.40 (4.88)	81.50 (11.80)
17	27.4 (2.1)	56.8 (6.4)	-25.10 (5.88)	86.20 (4.59)	27.9 (2.5)	55.2 (6.0)	-23.60 (4.96)	86.00 (6.52)
18	27.9 (1.9)	56.7 (6.6)	-24.30 (5.79)	86.70 (4.54)	28.2 (2.2)	56.5 (7.6)	-23.00 (4.60)	87.70 (3.41)
19	28.3 (1.6)	59.7 (6.7)	-23.90 (5.59)	86.80 (4.44)	28.6 (1.8)	60.2 (7.7)	-22.90 (4.41)	87.50 (3.27)
20	27.3 (1.7)	54.5 (5.3)	-25.40 (5.56)	86.00 (4.45)	27.8 (2.3)	53.2 (5.0)	-24.20 (4.85)	85.80 (6.10)
21	26.4 (2.1)	54.2 (4.5)	-25.60 (5.87)	80.50 (12.20)	26.9 (2.7)	52.9 (4.3)	-23.10 (5.03)	77.60 (16.50)
22	26.1 (2.4)	57.0 (3.9)	-25.20 (5.61)	77.10 (16.20)	26.7 (2.8)	56.3 (4.4)	-22.90 (4.33)	72.80 (21.60)
23	26.0 (2.3)	57.9 (2.5)	-26.00 (6.27)	75.90 (15.90)	26.2 (2.7)	58.3 (3.4)	-23.50 (6.62)	70.80 (19.70)
24	25.3 (2.2)	59.6 (2.8)	-26.80 (5.46)	71.70 (17.20)	25.7 (2.7)	59.7 (3.6)	-22.10 (5.39)	63.90 (26.40)
25	25.1 (2.7)	62.9 (5.5)	-26.80 (10.50)	64.20 (23.30)	25.7 (3.2)	61.2 (4.9)	-22.20 (5.06)	64.70 (27.60)
26	25.7 (3.5)	65.5 (8.3)	-31.70 (13.40)	75.50 (18.00)	27.2 (2.8)	60.0 (4.0)	-23.40 (4.29)	74.00 (21.90)
27	27.3 (2.4)	60.0 (3.0)	-25.40 (6.26)	84.60 (6.27)	27.7 (2.5)	59.8 (3.8)	-23.70 (5.07)	84.20 (9.24)
28	27.1 (1.9)	61.2 (3.6)	-26.70 (6.39)	83.20 (7.44)	27.3 (2.5)	61.4 (3.8)	-24.10 (4.64)	81.50 (12.40)
29	26.0 (1.9)	63.4 (3.1)	-27.10 (5.61)	77.50 (13.10)	26.3 (2.4)	64.3 (2.9)	-22.50 (4.96)	71.70 (21.40)
30	25.6 (2.2)	64.7 (3.7)	-27.50 (5.60)	73.90 (16.70)	25.9 (2.8)	65.1 (3.4)	-22.70 (5.32)	68.20 (24.90)
31	25.6 (2.2)	63.4 (3.7)	-25.80 (5.19)	74.10 (16.40)	26.2 (2.7)	62.6 (5.2)	-22.50 (4.69)	68.40 (24.30)
Mean	26.0	57.7	-25.90	76.50	26.5	56.8	-23.20	73.10
n	31	31	31	31	31	31	31	31
SD	1.1	4.0	1.33	7.09	1.1	4.4	0.63	8.47
Min	24.1	49.2	-31.70	62.10	24.0	46.2	-24.60	60.70
Max	28.3	65.5	-23.90	86.80	28.6	65.1	-21.80	87.70

Table E3. Daily means (SD) of environmental parameters at Site CA2B for August, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	25.9 (2.3)	57.8 (4.9)	-25.60 (5.50)	74.40 (16.70)	26.5 (2.6)	56.5 (5.3)	-22.50 (4.60)	71.30 (22.00)
2	25.5 (2.3)	56.8 (2.8)	-27.80 (4.91)	69.70 (17.70)	25.6 (2.7)	56.9 (3.4)	-23.20 (4.76)	64.90 (24.50)
3	25.4 (2.4)	58.7 (3.6)	-27.10 (4.77)	68.10 (19.60)	25.1 (2.9)	60.5 (5.5)	-23.10 (3.75)	62.10 (26.70)
4	25.7 (2.2)	59.1 (3.4)	-27.10 (5.06)	69.50 (19.90)	25.7 (2.5)	60.1 (5.0)	-23.00 (4.46)	65.00 (26.10)
5	25.5 (2.3)	57.8 (3.8)	-27.90 (5.70)	68.20 (17.70)	25.7 (2.3)	58.4 (4.6)	-23.50 (4.27)	63.10 (24.80)
6	24.6 (2.1)	58.2 (5.7)	-28.40 (6.35)	60.10 (21.50)	24.6 (2.3)	59.9 (6.9)	-24.90 (5.20)	55.20 (26.10)
7	24.9 (2.5)	57.9 (5.7)	-26.10 (6.47)	62.00 (23.70)	24.7 (2.8)	59.3 (7.0)	-24.40 (5.36)	58.60 (27.40)
8	25.7 (2.3)	60.6 (3.5)	-24.50 (6.75)	68.50 (23.70)	26.0 (2.8)	60.3 (4.9)	-22.90 (4.31)	66.50 (26.70)
9	26.9 (2.2)	57.4 (2.9)	-23.90 (6.45)	75.30 (20.30)	27.0 (2.5)	57.8 (3.6)	-23.30 (4.03)	76.10 (18.00)
10	27.4 (1.9)	58.5 (3.0)	-25.60 (5.96)	83.20 (10.00)	27.6 (2.5)	57.7 (3.3)	-23.80 (4.81)	84.30 (9.08)
11	26.7 (1.8)	59.0 (3.7)	-26.60 (5.64)	84.10 (6.84)	27.1 (2.3)	58.2 (3.1)	-24.30 (5.19)	83.30 (11.00)
12	26.4 (2.2)	60.4 (3.1)	-25.40 (5.23)	74.70 (17.90)	26.8 (2.7)	59.3 (3.2)	-22.50 (4.72)	74.70 (20.30)
13	26.7 (1.9)	59.5 (3.5)	-25.30 (6.05)	77.80 (16.00)	27.1 (2.5)	58.6 (4.0)	-24.20 (5.23)	78.60 (15.60)
14	25.7 (2.0)	51.6 (5.2)	-20.10 (9.35)	59.90 (26.30)	25.7 (2.3)	50.3 (5.6)	-24.30 (4.25)	64.50 (22.90)
15	25.5 (2.3)	58.0 (4.3)	-18.30 (10.60)	59.90 (29.40)	25.3 (3.1)	57.0 (4.6)	-22.40 (5.42)	63.80 (28.00)
16	26.3 (1.9)	53.6 (3.7)	-19.10 (9.65)	68.30 (26.60)	26.4 (2.8)	53.1 (4.1)	-22.50 (4.65)	68.60 (19.10)
17	26.7 (2.0)	57.4 (4.5)	-18.70 (9.36)	66.80 (25.70)	26.7 (2.7)	57.7 (4.9)	-21.90 (4.24)	66.70 (18.80)
18	26.6 (2.0)	61.0 (3.8)	-18.30 (10.30)	64.20 (26.60)	26.6 (2.9)	60.9 (3.8)	-22.10 (4.81)	64.00 (20.50)
19	26.5 (2.0)	62.6 (3.7)	-18.60 (9.96)	65.00 (25.40)	26.6 (2.8)	61.8 (3.4)	-22.00 (4.73)	65.90 (18.70)
20	26.2 (2.3)	61.3 (4.2)	-16.90 (10.00)	66.50 (28.70)	25.7 (2.7)	64.0 (3.5)	-22.00 (4.79)	60.00 (22.10)
21	26.7 (2.7)	61.7 (3.6)	-25.10 (5.79)	77.60 (15.70)	26.7 (3.0)	66.4 (4.4)	-21.20 (4.92)	67.10 (22.90)
22	27.2 (1.9)	59.8 (8.4)	-27.30 (6.77)	82.20 (8.66)	26.8 (2.0)	65.8 (8.6)	-23.90 (4.70)	85.20 (7.93)
23	26.4 (1.8)	57.9 (5.5)	-28.90 (6.44)	79.20 (13.10)	26.4 (2.2)	60.3 (6.2)	-24.80 (4.54)	80.70 (14.30)
24	25.1 (2.5)	52.9 (5.3)	-25.90 (6.35)	61.80 (25.40)	25.0 (3.3)	53.7 (6.1)	-22.00 (5.74)	65.40 (28.50)
25	25.5 (2.4)	55.2 (3.8)	-25.40 (6.93)	65.40 (25.20)	25.6 (2.7)	55.9 (3.8)	-22.50 (4.77)	62.90 (27.40)
26	25.9 (2.6)	55.3 (4.1)	-25.80 (6.54)	67.70 (24.00)	26.1 (2.7)	56.3 (4.0)	-22.20 (4.40)	63.60 (25.40)
27	26.4 (2.6)	50.2 (3.8)	-26.50 (6.32)	73.40 (20.40)	26.8 (2.8)	49.8 (3.7)	-22.60 (4.16)	71.20 (24.00)
28	26.8 (2.4)	50.9 (3.8)	-27.10 (5.89)	74.50 (17.10)	27.2 (2.6)	51.1 (3.7)	-23.70 (4.00)	74.20 (18.60)
29	27.5 (2.6)	56.4 (3.9)	-26.20 (6.90)	81.60 (12.00)	27.7 (2.6)	57.5 (3.6)	-22.70 (4.57)	78.40 (16.40)
30	28.0 (1.8)	49.9 (4.5)	-26.90 (6.83)	84.00 (5.62)	27.9 (2.2)	51.9 (5.8)	-24.30 (5.23)	86.40 (3.90)
31	26.1 (1.9)	55.5 (3.4)	-28.20 (5.92)	75.90 (13.20)	26.2 (2.1)	55.8 (3.3)	-23.50 (4.27)	72.70 (19.60)
Mean	26.2	57.2	-24.70	71.30	26.3	57.8	-23.10	69.80
n	31	31	31	31	31	31	31	31
SD	0.8	3.3	3.48	7.40	0.8	4.0	0.95	8.24
Min	24.6	49.9	-28.90	59.90	24.6	49.8	-24.90	55.20
Max	28.0	62.6	-16.90	84.10	27.9	66.4	-21.20	86.40

Table E3. Daily means (SD) of environmental parameters at Site CA2B for September, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	26.4 (2.4)	58.4 (3.8)	-27.10 (6.07)	75.90 (15.70)	26.5 (2.6)	60.2 (4.1)	-23.50 (4.39)	72.10 (21.70)
2	27.1 (2.2)	54.3 (3.7)	-27.20 (6.76)	83.50 (6.39)	27.6 (2.6)	54.3 (2.6)	-22.80 (5.58)	82.40 (12.00)
3	27.6 (2.0)	48.8 (3.7)	-26.70 (6.35)	84.50 (5.11)	27.8 (2.4)	49.1 (3.0)	-23.20 (6.82)	87.80 (5.23)
4	26.1 (2.3)	45.1 (4.9)	-26.60 (7.11)	74.90 (18.90)	26.5 (2.6)	44.5 (5.3)	-23.40 (4.87)	72.10 (22.10)
5	25.6 (2.6)	56.0 (4.5)	-27.40 (8.44)	63.60 (23.60)	25.2 (2.9)	58.0 (4.5)	-23.30 (5.87)	63.50 (27.10)
6	25.4 (2.3)	52.1 (8.6)	-29.70 (5.58)	61.20 (20.30)	25.1 (2.5)	54.2 (9.5)	-25.00 (5.53)	58.10 (25.10)
7	25.2 (2.5)	53.9 (6.3)	-26.50 (6.58)	62.20 (24.00)	25.0 (2.8)	55.5 (7.2)	-23.20 (5.73)	59.60 (28.60)
8	25.7 (2.5)	50.7 (6.0)	-25.80 (6.55)	66.90 (23.30)	25.2 (2.9)	53.7 (5.9)	-23.90 (4.35)	64.40 (26.10)
9	26.0 (2.3)	52.4 (3.8)	-26.70 (6.41)	71.60 (20.90)	26.2 (2.7)	53.0 (4.5)	-22.90 (4.69)	67.40 (24.70)
10	26.5 (2.3)	54.0 (3.8)	-26.50 (5.75)	75.00 (17.00)	26.7 (2.6)	54.6 (4.2)	-23.10 (4.47)	73.40 (20.30)
11	27.0 (2.3)	55.7 (4.2)	-26.50 (6.61)	81.00 (12.60)	27.4 (2.5)	56.3 (4.7)	-23.50 (4.56)	76.70 (17.70)
12	26.5 (1.6)	54.0 (4.8)	-28.90 (5.54)	79.80 (10.60)	26.6 (1.8)	54.9 (4.0)	-25.80 (4.44)	81.10 (12.40)
13	24.8 (1.9)	57.7 (6.6)	-29.20 (5.46)	61.70 (19.90)	24.4 (2.1)	60.5 (6.0)	-25.20 (6.14)	56.60 (23.00)
14	24.5 (1.6)	61.2 (7.0)	-29.70 (5.82)	58.20 (19.10)	24.2 (1.8)	63.9 (7.7)	-23.70 (5.43)	54.00 (22.40)
15	25.3 (2.5)	61.0 (5.7)	-27.00 (6.83)	62.90 (23.10)	25.1 (2.6)	63.8 (6.2)	-24.20 (5.27)	60.90 (26.90)
16	25.7 (2.3)	59.0 (4.9)	-26.60 (5.23)	67.00 (21.20)	25.6 (2.5)	60.7 (5.9)	-23.30 (5.07)	63.80 (26.10)
17	26.0 (2.2)	63.0 (3.9)	-26.20 (5.72)	73.30 (18.30)	26.2 (2.3)	64.4 (4.2)	-23.80 (4.06)	71.30 (21.20)
18	26.8 (2.3)	63.2 (3.6)	-25.20 (6.11)	79.60 (14.00)	27.1 (2.6)	65.1 (3.2)	-23.10 (3.59)	77.50 (14.30)
19	26.6 (2.2)	56.6 (3.5)	-23.20 (6.69)	85.80 (7.81)	26.7 (2.4)	59.3 (4.0)	-24.50 (4.10)	81.50 (9.27)
20	26.1 (2.2)	59.9 (3.4)	-17.50 (10.10)	73.70 (21.30)	26.2 (2.4)	62.2 (3.3)	-23.70 (4.23)	72.10 (21.60)
21	26.8 (2.1)	57.9 (2.9)	-26.20 (6.02)	81.60 (10.90)	26.9 (2.3)	60.7 (3.7)	-24.00 (4.02)	78.90 (14.30)
22	26.9 (2.2)	55.1 (4.8)	-26.10 (6.33)	81.40 (10.90)	26.9 (2.4)	58.1 (5.4)	-24.10 (4.42)	80.00 (14.40)
23	26.9 (2.2)	51.5 (4.5)	-26.50 (6.53)	81.70 (10.40)	26.8 (2.5)	54.5 (4.5)	-25.00 (4.51)	82.40 (10.60)
24	26.4 (2.3)	52.1 (2.9)	-25.90 (7.16)	80.10 (12.10)	26.5 (2.6)	54.1 (3.4)	-23.60 (4.99)	76.00 (17.20)
25	25.9 (2.3)	54.0 (3.8)	-23.80 (6.81)	74.10 (18.20)	26.1 (2.7)	54.6 (4.0)	-24.00 (4.22)	73.60 (18.80)
26	26.7 (2.4)	57.0 (3.6)	-24.40 (5.57)	77.90 (14.70)	26.8 (2.7)	59.3 (2.9)	-23.20 (3.73)	78.20 (15.90)
27	27.2 (2.2)	57.7 (4.2)	-25.70 (5.82)	84.10 (6.84)	27.3 (2.4)	61.0 (3.8)	-23.50 (4.10)	87.10 (2.86)
28	25.7 (2.1)	51.3 (6.9)	-26.20 (8.34)	74.10 (16.90)	25.9 (2.2)	51.9 (7.7)	-24.20 (5.23)	71.70 (21.60)
29	22.6 (1.3)	48.3 (3.9)	-17.80 (12.80)	44.50 (22.20)	21.3 (2.0)	51.2 (5.1)	-24.40 (4.07)	51.40 (15.70)
30	21.9 (2.3)	46.3 (9.3)	-16.20 (14.50)	41.50 (25.90)	20.4 (3.5)	49.2 (10.9)	-20.60 (3.66)	46.30 (22.40)
Mean	25.9	54.9	-25.60	72.10	25.9	56.8	-23.70	70.70
n	30	30	30	30	30	30	30	30
SD	1.2	4.5	3.17	11.00	1.6	5.0	0.92	10.60
Min	21.9	45.1	-29.70	41.50	20.4	44.5	-25.80	46.30
Max	27.6	63.2	-16.20	85.80	27.8	65.1	-20.60	87.80

Table E3. Daily means (SD) of environmental parameters at Site CA2B for October, 2009.

Day	House 5				House 6			
	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹	Avg T, °C	RH, %	Avg ΔP, Pa	Airflow, dsm ³ s ⁻¹
1	22.7 (2.9)	42.5 (6.5)	-17.70 (13.30)	47.30 (27.50)	21.9 (3.5)	45.5 (6.8)	-23.90 (4.49)	47.40 (26.90)
2	23.8 (2.9)	42.5 (7.4)	-19.00 (12.60)	53.20 (28.50)	23.4 (3.1)	45.9 (8.0)	-23.10 (5.43)	53.10 (29.30)
3	23.0 (2.1)	43.5 (4.2)	-19.40 (13.70)	49.00 (25.40)	22.7 (2.1)	46.2 (5.3)	-22.70 (6.34)	47.70 (25.30)
4	20.2 (1.9)	46.9 (7.4)	-14.80 (10.50)	34.00 (20.10)	19.5 (2.9)	50.6 (7.7)	-21.90 (4.31)	35.10 (14.50)
5	20.6 (2.8)	48.7 (8.3)	-22.50 (8.18)	37.00 (21.20)	20.4 (2.5)	51.2 (8.9)	-21.00 (5.45)	33.90 (20.30)
6	21.9 (2.6)	46.8 (7.4)	-27.10 (3.12)	41.90 (26.50)	20.2 (4.0)	49.9 (8.4)	-24.50 (3.42)	46.50 (24.70)
7	23.1 (2.8)	43.9 (7.4)	-27.50 (3.83)	46.80 (26.70)	23.1 (2.6)	47.2 (8.3)	-25.20 (4.04)	46.10 (28.50)
8	22.8 (2.2)	51.4 (6.3)	-28.20 (3.71)	45.20 (26.20)	22.8 (2.2)	54.2 (6.9)	-24.50 (4.41)	40.80 (27.60)
9	23.0 (2.3)	54.8 (6.7)	-28.10 (4.47)	45.30 (25.10)	23.0 (2.2)	58.0 (7.5)	-24.30 (4.92)	40.60 (27.60)
10	23.3 (2.3)	53.9 (6.7)	-28.10 (3.74)	46.80 (25.70)	23.1 (2.3)	56.3 (7.1)	-24.40 (4.60)	42.30 (28.40)
11	22.3 (1.7)	57.2 (4.9)	-27.80 (3.49)	41.00 (23.90)	22.3 (1.5)	60.4 (5.0)	-23.50 (3.90)	33.20 (25.60)
12	21.8 (1.2)	57.8 (4.9)	-26.50 (3.51)	36.90 (18.00)	22.3 (1.1)	60.8 (5.4)	-25.00 (3.14)	28.50 (12.20)
13	22.5 (0.8)	66.3 (5.3)			22.6 (0.5)	68.4 (5.4)	-34.30 (6.15)	27.70 (6.28)
14	24.4 (1.5)	67.4 (7.4)			24.3 (1.6)	70.3 (7.0)	-27.40 (3.30)	52.60 (20.30)
15	25.3 (2.0)	67.5 (5.1)	-31.20 (3.44)	68.30 (11.80)	24.8 (1.8)	70.4 (4.9)	-23.60 (4.49)	55.90 (19.60)
16	24.1 (1.6)	71.2 (3.6)	-29.30 (4.08)	60.20 (15.60)	23.8 (1.5)	74.6 (3.3)	-23.80 (3.47)	48.80 (20.50)
17	24.3 (1.8)	72.9 (4.6)	-27.70 (3.59)	61.70 (18.60)	24.2 (1.7)	75.6 (4.2)	-23.90 (3.22)	50.00 (21.00)
18	24.2 (1.9)	64.2 (7.9)	-28.50 (4.25)	54.30 (21.30)	23.6 (1.6)	67.6 (7.6)	-24.10 (3.40)	43.10 (22.80)
19	22.0 (0.6)	63.1 (3.0)	-24.80 (1.86)	33.00 (12.00)	22.1 (0.8)	67.1 (3.6)	-21.30 (2.89)	23.50 (10.20)
20	22.2 (1.0)	62.9 (4.0)	-26.00 (2.32)	34.40 (16.60)	22.3 (1.0)	67.4 (4.9)	-20.40 (2.89)	24.40 (14.20)
21	22.6 (1.4)	62.2 (4.1)	-26.40 (3.86)	43.80 (24.10)	22.6 (1.1)	66.2 (4.7)	-22.60 (3.40)	36.30 (26.10)
22	23.0 (1.6)	64.0 (3.3)	-26.60 (4.75)	47.20 (24.40)	23.2 (1.2)	68.0 (4.1)	-23.00 (3.49)	36.50 (25.40)
23	23.7 (2.0)	61.7 (6.0)	-27.30 (4.39)	51.80 (23.20)	23.8 (1.6)	64.7 (6.3)	-23.60 (3.25)	44.10 (28.60)
24	24.0 (2.1)	62.0 (4.3)	-28.00 (4.60)	52.20 (23.40)	23.9 (1.8)	65.1 (4.7)	-23.50 (4.32)	44.40 (28.10)
25	23.2 (1.3)	55.5 (5.9)	-27.20 (4.47)	48.40 (23.90)	23.2 (1.2)	58.6 (6.6)	-23.70 (5.01)	39.00 (26.70)
26	24.0 (2.2)	56.6 (8.3)	-27.60 (3.60)	51.60 (24.10)	24.1 (2.1)	59.2 (9.3)	-23.90 (3.52)	45.90 (29.60)
27	21.4 (0.9)	46.8 (7.7)	-32.20 (6.65)	29.70 (9.18)	19.0 (2.1)	49.9 (8.4)	-8.06 (9.40)	39.90 (21.30)
28	19.8 (1.3)	44.8 (5.5)	-30.00 (5.47)	25.60 (13.10)	19.6 (1.5)	48.3 (6.5)	-15.70 (6.63)	19.20 (13.90)
29	19.2 (2.4)	50.0 (5.9)	-24.70 (1.60)	23.80 (9.64)	19.8 (2.5)	53.4 (7.0)	-21.10 (3.64)	16.80 (8.35)
30	20.5 (2.3)	49.5 (7.4)	-25.60 (2.81)	34.00 (20.60)	21.4 (2.1)	53.0 (8.5)	-22.20 (3.36)	25.60 (18.10)
31	21.6 (2.1)	54.0 (4.9)	-26.20 (4.35)	39.20 (23.40)	21.5 (2.1)	57.9 (6.1)	-22.90 (4.97)	35.10 (24.50)
Mean	22.6	55.9	-26.10	44.30	22.4	59.1	-23.00	38.80
n	31	31	29	29	31	31	31	31
SD	1.4	8.9	3.88	10.40	1.5	8.9	3.88	10.10
Min	19.2	42.5	-32.20	23.80	19.0	45.5	-34.30	16.80
Max	25.3	72.9	-14.80	68.30	24.8	75.6	-8.06	55.90

Table E4. PM concentrations

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for October, 2007.

Day	PM ₁₀ , $\mu\text{g dsm}^{-3}$			PM _{2.5} , $\mu\text{g dsm}^{-3}$			TSP, $\mu\text{g dsm}^{-3}$		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25	107 (34)	470 (258)	302 (227)						
26	61 (30)	471 (267)	290 (206)						
27	112 (108)	456 (262)	347 (247)						
28	59 (17)	343 (185)	234 (215)						
29	125 (169)	358 (194)	293 (240)						
30	70 (58)	417 (243)	358 (233)						
31	86 (83)	421 (243)	309 (235)						
Mean	89	420	305						
n	7	7	7	0	0	0	0	0	0
SD	25	48	38						
Min	59	343	234						
Max	125	471	358						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for November, 2007.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	66 (23)	252 (163)	204 (171)						
2	75 (22)	194 (103)	170 (144)						
3	78 (16)	186 (105)	174 (171)						
4	71 (20)	197 (111)	176 (188)						
5	70 (21)	194 (108)	152 (154)						
6	67 (15)	209 (119)	166 (145)						
7	85 (21)	206 (123)	177 (139)						
8	57 (24)	205 (126)	196 (175)						
9	47 (16)	167 (94)	159 (127)						
10	54 (18)	186 (129)	188 (170)						
11	22 (13)	177 (112)	126 (98)						
12	46 (19)	205 (193)							
13	45 (15)	146 (193)	153 (277)						
14									
15	82 (29)	219 (132)	175 (135)						
16	23 (12)	232 (168)	146 (155)						
17	36 (15)	326 (205)	217 (114)						
18	37 (16)	310 (192)	166 (99)						
19	21 (11)	254 (160)	135 (75)						
20	23 (14)	349 (207)	183 (105)						
21	31 (15)	343 (269)	148 (99)						
22	32 (9)	363 (262)	169 (111)						
23	32 (23)	345 (271)	159 (123)						
24	59 (11)	352 (307)	191 (152)						
25	73 (26)	574 (438)	349 (295)						
26	106 (28)	638 (393)	367 (252)						
27	77 (27)	608 (397)	295 (262)						
28	65 (36)	651 (321)	315 (314)						
29	140 (33)	619 (344)	338 (327)						
30	54 (41)	575 (300)	277 (345)						
Mean	58	320	203						
n	29	29	28	0	0	0	0	0	0
SD	27	161	68						
Min	21	146	126						
Max	140	651	367						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for December, 2007.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	62 (19)	563 (308)	258 (264)						
2	56 (20)	497 (291)	211 (321)						
3	57 (26)	440 (263)	192 (382)						
4	39 (17)	424 (261)	193 (247)						
5	31 (19)	356 (283)	215 (277)						
6	69 (32)	571 (318)	328 (269)						
7	28 (17)	423 (228)	254 (135)						
8	33 (18)	510 (341)							
9	35 (16)	544 (404)	289 (380)						
10	52 (12)	529 (362)							
11	41 (22)	431 (355)							
12	76 (38)	493 (393)							
13	63 (20)	481 (401)	233 (301)						
14									
15							102 (20)	1480 (919)	1090 (691)
16							127 (37)	1170 (1020)	1060 (693)
17							75 (29)	779 (534)	746 (427)
18							32 (11)	802 (583)	481 (342)
19							53 (32)	1010 (640)	495 (397)
20							25 (14)	1260 (1010)	707 (778)
21									
22	51 (15)	580 (382)							
23	61 (24)	552 (402)							
24	53 (39)	423 (304)							
25	47 (32)	396 (409)							
26	26 (25)	420 (416)							
27	34 (27)	327 (385)							
28	36 (17)	379 (317)							
29	65 (19)	340 (364)							
30	29 (17)	396 (299)	41 (114)						
31	26 (15)	355 (443)	150 (337)						
Mean	47	453	215				69	1080	764
n	23	23	11	0	0	0	6	6	6
SD	15	77	72				37	249	243
Min	26	327	41				25	779	481
Max	76	580	328				127	1480	1090

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for January, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	43 (31)	390 (547)							
2		279 (357)	116 (306)						
3	77 (27)	231 (398)							
4	23 (9)	254 (352)	47 (332)						
5	33 (17)	210 (332)							
6	37 (18)	149 (260)							
7									
8					15 (9)	-47 (34)			
9					16 (11)	-17 (23)			
10					20 (14)	-2 (26)			
11					6 (9)	-14 (20)			
12					11 (11)	-6 (18)			
13					10 (11)	-7 (20)			
14					18 (12)				
15					19 (60)				
16					12 (11)	-1 (21)			
17					6 (8)	-2 (15)			
18					26 (11)	22 (15)			
19					33 (10)	38 (16)			
20					12 (17)	21 (26)			
21					-4 (9)	7 (26)			
22					-3 (8)	3 (29)			
23									
24									
25	24 (16)								
26	48 (23)								
27	35 (15)								
28	34 (15)								
29	38 (20)		526 (334)						
30	37 (21)		564 (508)						
31	40 (14)		682 (444)						
Mean	39	252	387		13	-1			
n	12	6	5	0	15	13	0	0	0
SD	13	74	256		10	20			
Min	23	149	47		-4	-47			
Max	77	390	682		33	38			

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for February, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	31 (14)		575 (505)						
2	34 (18)		588 (526)						
3	21 (16)		538 (614)						
4	17 (10)		452 (591)						
5	42 (28)		416 (442)						
6	36 (15)		437 (416)						
7	38 (15)		398 (409)						
8	33 (14)		195 (155)						
9	78 (26)		301 (265)						
10	83 (21)		376 (462)						
11	61 (17)		405 (546)						
12	77 (21)		350 (262)						
13	46 (37)		268 (311)						
14									
15	56 (32)		398 (191)						
16	51 (19)		351 (167)						
17	64 (25)		341 (179)						
18	56 (25)		318 (176)						
19	37 (15)		284 (186)						
20	29 (14)		197 (124)						
21	30 (12)		210 (147)						
22	23 (15)		179 (111)						
23	31 (14)		179 (111)						
24	26 (10)		193 (126)						
25	60 (158)		212 (166)						
26	46 (15)		214 (161)						
27	38 (14)		274 (250)						
28	53 (20)		308 (168)						
29	82 (125)		187 (100)						
Mean	46		327						
n	28	0	28	0	0	0	0	0	0
SD	19		119						
Min	17		179						
Max	83		588						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for March, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	50 (157)		173 (105)						
2	27 (24)		172 (109)						
3	49 (13)		183 (116)						
4	35 (11)		202 (149)						
5	40 (20)		398 (380)						
6	61 (29)		394 (316)						
7	54 (16)		348 (225)						
8	25 (13)		307 (197)						
9	41 (18)		272 (182)						
10	52 (22)		264 (184)						
11	28 (22)		367 (262)						
12	31 (13)		358 (241)						
13	24 (16)		300 (226)						
14									
15							21 (13)		1820 (825)
16							16 (12)		1480 (971)
17							39 (22)		1030 (698)
18							76 (27)		1000 (794)
19							40 (24)		1000 (785)
20							32 (17)		1010 (800)
21									
22	56 (25)		347 (260)						
23	61 (16)		316 (304)						
24	47 (24)		306 (264)						
25	55 (132)	474 (246)	309 (245)						
26	31 (13)	493 (253)	363 (263)						
27	53 (96)	488 (243)	344 (239)						
28	37 (15)	392 (244)	317 (221)						
29	27 (15)	394 (237)	377 (251)						
30	45 (39)	396 (246)	349 (300)						
31	47 (19)	506 (315)	380 (250)						
Mean	43	449	311				37		1220
n	23	7	23	0	0	0	6	0	6
SD	12	49	68				19		318
Min	24	392	172				16		1000
Max	61	506	398				76		1820

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for April, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	51 (22)	499 (270)	275 (157)						
2	40 (16)	411 (223)	423 (269)						
3	56 (33)	314 (179)	329 (253)						
4	39 (13)	319 (178)	301 (223)						
5	38 (21)	343 (204)	341 (244)						
6	21 (9)	357 (197)	344 (224)						
7	54 (99)	328 (213)	372 (252)						
8	33 (11)	359 (224)	384 (222)						
9	29 (12)	329 (210)	352 (211)						
10	46 (30)	276 (176)	307 (239)						
11	80 (30)	250 (166)	281 (199)						
12	91 (24)	283 (279)	393 (298)						
13	84 (41)	320 (340)	408 (344)						
14	69 (61)	289 (213)	232 (204)						
15	34 (15)	342 (225)	117 (152)						
16	57 (23)	279 (199)	43 (139)						
17									
18									
19									
20	27 (9)	402 (200)	562 (245)						
21	30 (12)	375 (196)	326 (155)						
22	56 (24)	380 (213)	298 (126)						
23	35 (15)	314 (180)	279 (185)						
24	34 (15)	335 (264)	320 (179)						
25	51 (23)	272 (150)	539 (329)						
26	91 (63)	272 (188)	577 (497)						
27	104 (54)	326 (243)	418 (334)						
28	96 (85)	331 (222)	508 (429)						
29	47 (31)	414 (227)	787 (258)						
30	63 (31)	354 (187)	731 (285)						
Mean	54	336	380						
n	27	27	27	0	0	0	0	0	0
SD	23	53	158						
Min	21	250	43						
Max	104	499	787						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for May, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	71 (37)	269 (142)	566 (303)						
2	103 (39)	291 (179)	678 (396)						
3	112 (74)	284 (146)	685 (442)						
4	97 (51)	277 (164)	520 (670)						
5	134 (68)	272 (160)	240 (233)						
6	113 (55)	255 (156)	108 (143)						
7	76 (29)	267 (157)	46 (102)						
8	120 (54)	242 (152)	47 (153)						
9	94 (46)	241 (137)	62 (168)						
10	120 (58)	278 (167)	20 (142)						
11									
12									
13	89 (50)	395 (216)	752 (320)						
14	127 (59)	379 (228)	856 (464)						
15	169 (57)	386 (220)	839 (369)						
16	152 (78)	373 (271)	796 (455)						
17	126 (87)	354 (264)	765 (489)						
18	109 (67)	351 (278)	664 (505)						
19	168 (142)	355 (251)	802 (370)						
20									
21							205 (188)	989 (767)	1290 (640)
22							285 (316)	1310 (1800)	1340 (686)
23							113 (48)	612 (410)	1540 (823)
24							110 (156)	768 (730)	2300 (1070)
25							89 (105)	545 (480)	2400 (1230)
26							74 (33)	357 (289)	
27									
28	55 (30)	352 (217)	827 (482)						
29	46 (27)	250 (145)	645 (294)						
30	57 (32)	231 (134)	676 (356)						
31	52 (27)	253 (134)	682 (351)						
Mean	104	303	537				146	763	1770
n	21	21	21	0	0	0	6	6	5
SD	35	54	299				75	311	478
Min	46	231	20				74	357	1290
Max	169	395	856				285	1310	2400

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for June, 2008.

Day	PM ₁₀ , $\mu\text{g dsm}^{-3}$			PM _{2.5} , $\mu\text{g dsm}^{-3}$			TSP, $\mu\text{g dsm}^{-3}$		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	51 (18)	247 (142)	564 (303)						
2	55 (20)	283 (171)	556 (303)						
3	53 (28)	264 (365)	437 (262)						
4	44 (20)	289 (627)	390 (270)						
5	69 (35)	498 (1610)	590 (352)						
6	54 (29)	14 (36)	677 (409)						
7	79 (134)	23 (11)	591 (300)						
8	116 (85)	34 (44)	613 (281)						
9	89 (37)	54 (40)	612 (327)						
10	80 (42)	52 (40)	425 (219)						
11	60 (26)	33 (22)	428 (240)						
12	108 (51)	55 (47)	436 (282)						
13	135 (63)		661 (531)						
14	105 (44)		578 (290)						
15	87 (40)		501 (279)						
16	86 (46)		496 (258)						
17	76 (39)		475 (270)						
18	70 (35)		401 (254)						
19	93 (56)		400 (268)						
20	85 (39)		570 (464)						
21	97 (47)		494 (308)						
22	81 (50)		461 (278)						
23	125 (49)		456 (242)						
24	148 (49)		428 (240)						
25	127 (36)		371 (205)						
26	152 (57)		384 (233)						
27	201 (52)		523 (354)						
28	102 (70)		363 (187)						
29	59 (23)		336 (203)						
30	54 (37)		400 (380)						
Mean	91	154	487						
n	30	12	30	0	0	0	0	0	0
SD	35	150	93						
Min	44	14	336						
Max	201	498	677						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for July, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	57 (31)		330 (177)						
2	74 (33)		336 (209)						
3	51 (25)		282 (186)						
4	47 (25)		216 (127)						
5	69 (31)		285 (202)						
6	98 (55)		302 (238)						
7									
8				84 (25)	337 (219)	232 (162)			
9				68 (25)	302 (238)	214 (182)			
10				112 (53)	328 (238)	237 (192)			
11				46 (21)	165 (121)	107 (130)			
12				32 (18)	130 (96)	90 (123)			
13				30 (27)	151 (125)	99 (133)			
14				27 (19)	171 (153)	144 (193)			
15				21 (11)	154 (122)	69 (73)			
16				34 (23)	125 (108)	62 (96)			
17				24 (17)	176 (154)	86 (115)			
18				34 (27)	175 (145)	84 (115)			
19				40 (23)	205 (172)	105 (135)			
20				16 (10)	119 (105)	36 (61)			
21				15 (9)	104 (77)	28 (49)			
22									
23	125 (48)	752 (420)	360 (251)						
24	139 (68)	785 (457)	356 (286)						
25	157 (63)	779 (476)	329 (252)						
26	112 (60)	702 (481)	315 (272)						
27	75 (38)	582 (418)	231 (203)						
28	92 (39)	587 (405)	248 (191)						
29	100 (73)	568 (425)	227 (202)						
30	107 (66)	648 (465)	332 (309)						
31	127 (84)	615 (374)	328 (227)						
Mean	96	669	298	42	189	114			
n	15	9	15	14	14	14	0	0	0
SD	32	83	46	27	74	66			
Min	47	568	216	15	104	28			
Max	157	785	360	112	337	237			

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for August, 2008.

Day	PM ₁₀ , $\mu\text{g dsm}^{-3}$			PM _{2.5} , $\mu\text{g dsm}^{-3}$			TSP, $\mu\text{g dsm}^{-3}$		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	93 (50)	603 (371)	287 (199)						
2	89 (55)	586 (395)	256 (218)						
3	75 (36)	530 (340)	238 (189)						
4	100 (48)	526 (343)	257 (192)						
5	105 (53)	475 (348)	220 (177)						
6	100 (49)	499 (379)	365 (389)						
7	115 (65)	591 (380)	426 (306)						
8	114 (77)	515 (334)	313 (204)						
9	87 (54)	465 (299)	260 (163)						
10	83 (43)	492 (312)	306 (227)						
11	118 (64)	532 (370)	380 (289)						
12	169 (107)	510 (373)	384 (488)						
13	145 (66)		459 (385)						
14	141 (86)		448 (281)						
15	124 (75)		418 (277)						
16	108 (43)	550 (382)	371 (247)						
17	73 (27)	483 (279)	310 (200)						
18	67 (50)	464 (305)	260 (155)						
19	72 (60)	396 (268)	348 (221)						
20	69 (59)	514 (364)	341 (206)						
21	54 (40)	403 (321)	243 (172)						
22	139 (176)	1260 (1860)	629 (1120)						
23		436 (312)	1130 (2050)						
24	108 (48)	397 (304)	293 (280)						
25	168 (142)	401 (340)	363 (651)						
26	118 (47)	458 (318)	331 (269)						
27	149 (117)	501 (379)	443 (384)						
28	134 (56)	558 (414)	391 (250)						
29	116 (47)	523 (359)	300 (256)						
30	123 (104)	425 (304)	527 (1230)						
31	74 (40)	330 (184)	67 (49)						
Mean	108	515	367						
n	30	28	31	0	0	0	0	0	0
SD	30	157	173						
Min	54	330	67						
Max	169	1260	1130						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for September, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	142 (174)	343 (200)	93 (86)						
2	124 (40)	451 (285)	254 (457)						
3	102 (31)	492 (351)	69 (93)						
4	98 (37)	481 (331)	74 (95)						
5	109 (65)	466 (353)	70 (109)						
6	90 (52)	444 (397)	52 (114)						
7	89 (167)	453 (390)	26 (74)						
8	106 (78)	475 (321)	54 (78)						
9	65 (27)	377 (224)							
10	72 (44)	335 (186)							
11	91 (47)	349 (211)							
12	102 (50)	364 (225)							
13	65 (26)	309 (184)							
14	47 (22)	335 (221)							
15	110 (67)	333 (224)							
16	100 (46)	324 (327)							
17		244 (137)							
18		279 (209)							
19									
20								682 (453)	30 (15)
21								591 (410)	19 (10)
22								543 (324)	404 (344)
23								605 (424)	924 (542)
24								551 (387)	1440 (725)
25								528 (430)	974 (737)
26								530 (430)	1030 (793)
27								468 (335)	923 (631)
28								439 (314)	
29									
30		279 (257)	690 (402)						
Mean	95	376	154					549	719
n	16	19	9	0	0	0	0	9	8
SD	23	76	200					68	479
Min	47	244	26					439	19
Max	142	492	690					682	1440

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for October, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	363 (345)	385 (345)	725 (489)						
2	108 (52)	170 (140)	550 (282)						
3	241 (166)	209 (157)	672 (477)						
4									
5									
6									
7	110 (43)	239 (147)	689 (511)						
8	114 (40)	201 (127)							
9	76 (40)	264 (246)							
10	39 (16)	287 (171)							
11	40 (15)	234 (138)	240 (400)						
12	68 (39)	228 (138)	229 (190)						
13	141 (63)	254 (182)	354 (259)						
14	181 (60)	206 (137)	422 (254)						
15	184 (78)	281 (148)	497 (217)						
16	210 (74)	308 (197)	507 (268)						
17	272 (105)	306 (178)	530 (270)						
18	181 (95)	213 (115)	446 (249)						
19	71 (42)	202 (130)	398 (266)						
20	53 (18)	202 (122)	424 (285)						
21	81 (51)	182 (96)	374 (237)						
22	176 (76)	201 (109)	405 (683)						
23	175 (59)	204 (122)	294 (192)						
24	203 (54)	232 (118)	373 (187)						
25	206 (55)	286 (161)	435 (238)						
26	185 (58)	238 (141)	387 (235)						
27	162 (58)	244 (142)	353 (209)						
28	133 (45)	199 (109)	281 (152)						
29	187 (55)	221 (114)	323 (194)						
30	182 (86)	223 (135)	330 (197)						
31	80 (39)	191 (149)	279 (179)						
Mean	151	236	421						
n	28	28	25	0	0	0	0	0	0
SD	74	46	131						
Min	39	170	229						
Max	363	385	725						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for November, 2008.

Day	PM ₁₀ , $\mu\text{g dsm}^{-3}$			PM _{2.5} , $\mu\text{g dsm}^{-3}$			TSP, $\mu\text{g dsm}^{-3}$		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	60 (28)	171 (104)	256 (159)						
2	60 (28)	162 (110)	274 (191)						
3	40 (21)	175 (113)	212 (137)						
4	18 (13)	220 (162)	181 (119)						
5		306 (189)	270 (175)						
6		224 (143)	275 (177)						
7		209 (123)	235 (138)						
8		166 (112)	247 (158)						
9		136 (90)	233 (183)						
10		129 (84)	205 (120)						
11		116 (77)	189 (157)						
12		103 (69)	178 (136)						
13	47 (39)	174 (140)	264 (200)						
14	79 (20)	226 (128)	317 (173)						
15	81 (30)	164 (96)	243 (147)						
16	102 (92)	166 (93)	219 (135)						
17	95 (67)	164 (90)	210 (128)						
18	83 (24)	161 (81)	196 (118)						
19	44 (43)	164 (100)	209 (130)						
20	11 (8)	162 (178)	163 (147)						
21	49 (50)	250 (165)	309 (238)						
22		243 (134)	297 (178)						
23		203 (102)	296 (163)						
24		175 (86)	271 (157)						
25		165 (85)	182 (110)						
26		144 (85)	157 (135)						
27		128 (90)	170 (125)						
28		115 (88)	175 (147)						
29		111 (83)	132 (124)						
30		113 (83)	161 (115)						
Mean	59	172	224						
n	13	30	30	0	0	0	0	0	0
SD	27	46	50						
Min	11	103	132						
Max	102	306	317						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for December, 2008.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1			226 (205)						
2			239 (150)						
3			209 (151)						
4			240 (153)						
5			209 (127)						
6			209 (159)						
7			158 (127)						
8			243 (179)						
9		275 (150)	316 (122)						
10		216 (113)	237 (128)						
11		197 (101)	211 (124)						
12		186 (82)	188 (103)						
13		131 (84)	172 (119)						
14		132 (86)	193 (162)						
15		112 (79)	181 (149)						
16		112 (72)	143 (155)						
17		106 (83)	131 (137)						
18		227 (210)	254 (212)						
19	30 (11)	237 (138)	268 (144)						
20	15 (9)	205 (118)	207 (118)						
21	23 (15)	173 (114)	175 (126)						
22	16 (12)	161 (111)	150 (122)						
23	22 (14)	131 (111)	145 (137)						
24	15 (8)	128 (136)	136 (125)						
25	8 (8)	132 (120)	135 (142)						
26	12 (10)	126 (105)	103 (102)						
27	26 (9)	108 (117)	135 (279)						
28	61 (122)	112 (93)	118 (112)						
29	29 (13)	111 (103)	104 (148)						
30	19 (9)	191 (199)	176 (176)						
31	19 (12)	238 (136)							
Mean	23	163	187						
n	13	23	30	0	0	0	0	0	0
SD	13	51	51						
Min	8	106	103						
Max	61	275	316						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for January, 2009.

Day	PM ₁₀ , $\mu\text{g dsm}^{-3}$			PM _{2.5} , $\mu\text{g dsm}^{-3}$			TSP, $\mu\text{g dsm}^{-3}$		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	27 (9)	202 (132)	193 (123)						
2	30 (6)	196 (105)	175 (102)						
3	8 (8)	160 (96)	130 (95)						
4	15 (9)	135 (96)	127 (109)						
5	17 (14)	130 (80)	133 (97)						
6	14 (15)	125 (78)	113 (106)						
7	19 (8)	112 (89)	104 (118)						
8	5 (12)	129 (90)	103 (88)						
9									
10				22 (14)	12 (16)	24 (13)			
11				27 (12)	21 (15)	27 (11)			
12				30 (9)	21 (10)	24 (8)			
13				26 (11)	21 (17)	25 (15)			
14				37 (21)	29 (25)	34 (23)			
15				22 (9)	13 (16)	22 (19)			
16				29 (19)	20 (22)	28 (24)			
17				34 (18)	27 (23)	32 (21)			
18				16 (11)	8 (14)	21 (11)			
19				22 (10)	13 (9)	21 (12)			
20				15 (9)	8 (8)	17 (12)			
21				18 (8)	16 (11)	23 (17)			
22				15 (11)	15 (13)	20 (19)			
23				8 (8)	2 (8)	6 (17)			
24				4 (5)	-1 (6)	0 (10)			
25				1 (5)	-1 (7)	-3 (16)			
26				3 (5)	3 (12)	3 (13)			
27				5 (8)	5 (6)	2 (12)			
28									
29	34 (17)	373 (188)	249 (134)						
30	43 (24)	288 (127)	192 (100)						
31	38 (20)	269 (126)	175 (98)						
Mean	23	193	154	19	13	18			
n	11	11	11	18	18	18	0	0	0
SD	12	80	44	11	9	11			
Min	5	112	103	1	-1	-3			
Max	43	373	249	37	29	34			

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for February, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	26 (21)	254 (163)	165 (109)						
2	55 (17)	224 (116)	156 (91)						
3	58 (26)	243 (130)	157 (96)						
4	67 (20)	350 (206)	165 (96)						
5	25 (17)	243 (178)	123 (95)						
6	12 (12)	187 (134)	100 (97)						
7	8 (14)	145 (117)	98 (97)						
8	12 (9)	165 (120)	101 (97)						
9	16 (29)	185 (150)	110 (114)						
10	16 (18)		274 (564)						
11	51 (81)	631 (828)	1070 (1850)						
12	23 (25)	542 (768)	321 (470)						
13	8 (7)	320 (187)	222 (167)						
14	7 (6)	297 (149)	199 (115)						
15	7 (6)	307 (179)	185 (122)						
16	6 (7)	287 (168)	170 (107)						
17	3 (6)	242 (138)	142 (92)						
18	13 (8)	270 (169)	138 (96)						
19	14 (9)	236 (135)	118 (85)						
20	12 (8)	227 (158)	120 (79)						
21	21 (11)	221 (140)	120 (73)						
22	5 (13)	203 (148)	103 (73)						
23	5 (7)	137 (109)	74 (58)						
24	8 (8)	186 (129)	89 (68)						
25	8 (7)	222 (222)	102 (88)						
26	7 (6)	210 (162)	111 (100)						
27	7 (8)	181 (155)	117 (105)						
28	22 (12)	177 (165)	96 (81)						
Mean	19	255	177						
n	28	27	28	0	0	0	0	0	0
SD	17	108	181						
Min	3	137	74						
Max	67	631	1070						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for March, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	17 (11)	158 (133)	105 (104)						
2	7 (8)	137 (111)	78 (80)						
3	6 (6)	151 (130)	116 (103)						
4	8 (7)	162 (190)	117 (148)						
5	33 (116)	268 (266)	186 (186)						
6	7 (7)	348 (189)	213 (122)						
7	8 (7)	293 (172)	171 (100)						
8	30 (71)	314 (214)	152 (96)						
9	5 (5)	292 (225)	136 (102)						
10	17 (36)	292 (182)	130 (89)						
11	51 (110)	320 (243)	175 (156)						
12	19 (8)	372 (207)	184 (121)						
13	22 (12)	271 (171)	145 (103)						
14	8 (7)	312 (190)	150 (117)						
15	27 (51)	274 (209)	107 (97)						
16	14 (9)	255 (183)	98 (92)						
17	21 (41)	264 (187)	103 (108)						
18	19 (11)								
19	29 (14)	345 (233)							
20	16 (11)	311 (169)							
21	8 (8)	319 (173)							
22	4 (6)	313 (182)							
23	5 (7)	284 (155)							
24	14 (8)	272 (160)							
25	15 (7)	263 (145)							
26	8 (8)	228 (131)							
27	17 (10)	262 (267)							
28	22 (10)	235 (139)							
29	8 (7)	290 (190)							
30	12 (9)	305 (195)							
31	21 (8)	378 (214)	172 (111)						
Mean	16	276	141						
n	31	30	18	0	0	0	0	0	0
SD	10	60	36						
Min	4	137	78						
Max	51	378	213						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for April, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	14 (9)	338 (207)	139 (81)						
2	13 (8)	290 (158)	111 (78)						
3	15 (13)	340 (183)	126 (71)						
4	19 (18)	333 (175)	111 (65)						
5	24 (12)	277 (170)	99 (67)						
6	26 (11)	275 (178)	106 (84)						
7	15 (11)	334 (210)	127 (83)						
8	9 (6)	281 (177)	94 (70)						
9	10 (7)	281 (168)	125 (99)						
10	5 (6)	229 (148)	114 (87)						
11	7 (6)	232 (144)	100 (85)						
12	7 (7)	208 (148)	81 (69)						
13	7 (6)	170 (156)	70 (65)						
14									
15							17 (15)	1200 (949)	759 (810)
16							16 (7)	1070 (764)	460 (329)
17							20 (8)	933 (652)	416 (299)
18							30 (12)	836 (817)	320 (263)
19							42 (18)	764 (558)	337 (272)
20							40 (25)	642 (470)	350 (543)
21							49 (38)	545 (489)	311 (317)
22									
23	21 (7)	267 (214)	170 (127)						
24	16 (6)	272 (199)	145 (117)						
25	25 (35)	239 (160)	118 (91)						
26	23 (7)	225 (182)	123 (98)						
27	26 (9)	210 (153)	122 (90)						
28	20 (8)	241 (192)	111 (83)						
29	14 (7)	223 (174)	97 (81)						
30	18 (10)	201 (161)	93 (80)						
Mean	16	260	113				31	856	422
n	21	21	21	0	0	0	7	7	7
SD	7	48	22				13	215	146
Min	5	170	70				16	545	311
Max	26	340	170				49	1200	759

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for May, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	22 (12)	216 (189)	105 (93)						
2	31 (100)	164 (180)	68 (79)						
3	11 (7)	126 (140)	54 (69)						
4	8 (7)	141 (133)	63 (85)						
5	7 (6)	131 (126)	49 (53)						
6	7 (7)	167 (166)	67 (97)						
7	9 (9)	186 (134)	104 (103)						
8	13 (7)	316 (226)	162 (100)						
9	16 (6)	196 (128)	133 (83)						
10	16 (7)	284 (198)	143 (102)						
11	16 (7)	232 (161)	112 (75)						
12	15 (7)	204 (185)	106 (61)						
13	13 (6)	191 (149)	101 (69)						
14	13 (9)	229 (164)	171 (145)						
15	20 (20)	297 (179)	226 (153)						
16	47 (31)	352 (235)	268 (193)						
17	68 (55)	396 (317)	332 (281)						
18	59 (48)	374 (318)	242 (220)						
19	21 (10)	249 (199)	152 (129)						
20	21 (10)	237 (194)	149 (127)						
21	26 (15)	272 (192)	184 (162)						
22	30 (16)	289 (208)	183 (146)						
23	21 (8)	269 (172)	149 (111)						
24	15 (8)	271 (172)	130 (103)						
25	22 (12)	272 (185)	146 (144)						
26	35 (17)	360 (255)	184 (171)						
27	53 (40)	390 (302)	229 (228)						
28	26 (15)	431 (391)	225 (224)						
29	22 (14)	278 (248)	142 (153)						
30	16 (8)	310 (266)	105 (111)						
31	13 (8)	319 (332)	126 (154)						
Mean	23	263	149						
n	31	31	31	0	0	0	0	0	0
SD	15	80	65						
Min	7	126	49						
Max	68	431	332						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for June, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	10 (7)	263 (181)	104 (108)						
2	9 (7)	301 (199)	76 (72)						
3	16 (15)	434 (220)	178 (178)						
4	9 (5)	456 (221)	188 (105)						
5	10 (7)	511 (247)	139 (70)						
6	5 (5)	503 (269)	120 (66)						
7	8 (6)	517 (255)	112 (68)						
8	11 (6)	518 (240)	129 (76)						
9	8 (10)	604 (270)	182 (132)						
10	13 (15)	717 (323)	174 (85)						
11	12 (7)	683 (294)	122 (60)						
12	10 (7)	662 (304)	121 (62)						
13	9 (10)	656 (263)	110 (59)						
14	9 (8)	625 (349)	110 (69)						
15	11 (7)	519 (291)	86 (57)						
16	18 (11)	317 (273)	120 (104)						
17	16 (8)	144 (190)	162 (109)						
18	28 (22)	389 (574)	281 (246)						
19	36 (23)	903 (468)	301 (188)						
20	29 (15)	742 (380)	239 (156)						
21	15 (6)	769 (384)	143 (76)						
22	17 (8)	743 (421)	202 (148)						
23	41 (24)	721 (409)	295 (233)						
24	33 (16)	639 (404)	283 (231)						
25	23 (12)	370 (291)	221 (189)						
26	28 (14)	214 (234)	226 (175)						
27	52 (27)	179 (238)	316 (257)						
28	57 (39)	134 (246)	342 (326)						
29	47 (29)	538 (737)	388 (413)						
30	34 (15)	781 (436)	367 (229)						
Mean	21	518	195						
n	30	30	30	0	0	0	0	0	0
SD	14	205	88						
Min	5	134	76						
Max	57	903	388						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for July, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	27 (14)	748 (429)	294 (203)						
2	39 (32)	750 (467)	331 (278)						
3	31 (22)	700 (411)	294 (216)						
4	32 (23)	631 (381)	242 (177)						
5	20 (16)	636 (394)	217 (166)						
6	15 (8)	533 (351)	180 (148)						
7	22 (17)	511 (333)	252 (244)						
8	21 (12)	478 (347)	231 (164)						
9									
10									
11	29 (14)		243 (150)						
12	20 (10)		225 (148)						
13	26 (10)		266 (184)						
14	64 (41)		304 (252)						
15	69 (38)		323 (279)						
16	51 (36)		363 (338)						
17	41 (30)		351 (272)						
18	56 (36)		366 (288)						
19	61 (45)		363 (305)						
20	42 (23)		290 (258)						
21	59 (129)		277 (248)						
22	31 (21)		251 (228)						
23	38 (29)		268 (228)						
24	19 (11)		218 (194)						
25	26 (22)		225 (211)						
26	40 (32)		285 (264)						
27	49 (32)		312 (283)						
28	34 (22)		246 (246)						
29									
30							23 (18)	780 (453)	604 (315)
31							22 (11)	556 (337)	526 (284)
Mean	37	623	278				23	668	565
n	26	8	26	0	0	0	2	2	2
SD	15	100	50				1	112	39
Min	15	478	180				22	556	526
Max	69	750	366				23	780	604

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for August, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1							23 (14)	367 (242)	495 (288)
2							19 (16)	238 (173)	470 (286)
3							21 (20)	154 (138)	342 (223)
4							25 (26)	138 (141)	490 (660)
5							30 (28)	123 (137)	507 (348)
6							19 (14)	58 (53)	384 (260)
7							21 (15)	82 (95)	365 (341)
8							31 (18)	127 (150)	382 (361)
9							67 (38)	213 (243)	328 (390)
10							51 (24)	216 (207)	272 (392)
11									
12	28 (22)	184 (151)	190 (155)						
13	26 (17)	179 (162)	171 (161)						
14	38 (27)	117 (108)	113 (103)						
15	28 (17)	145 (134)	144 (131)						
16	51 (59)	164 (160)	163 (153)						
17	50 (28)	171 (168)	175 (172)						
18	31 (15)	153 (166)	167 (169)						
19	33 (14)	142 (149)	171 (192)						
20	25 (17)	377 (848)	124 (122)						
21			711 (1780)						
22		453 (300)	368 (246)						
23	83 (55)	384 (267)	288 (199)						
24	180 (245)	422 (301)							
25	119 (93)	465 (330)	424 (367)						
26	97 (67)	381 (279)	368 (324)						
27	72 (45)	402 (318)	370 (414)						
28	99 (58)	419 (344)	342 (368)						
29	123 (101)	373 (321)	378 (370)						
30	127 (101)	386 (381)							
31	52 (30)	337 (295)							
Mean	70	298	275				31	172	404
n	18	19	17	0	0	0	10	10	10
SD	44	124	150				15	86	78
Min	25	117	113				19	58	272
Max	180	465	711				67	367	507

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for September, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	73 (50)	384 (266)	312 (197)						
2	57 (30)	404 (295)	367 (241)						
3	75 (45)	446 (352)	362 (269)						
4	52 (28)	394 (318)	311 (220)						
5	30 (14)	318 (217)	245 (153)						
6	16 (9)	252 (155)	189 (110)						
7	41 (27)	290 (217)	226 (155)						
8	96 (70)	326 (266)	278 (225)						
9	62 (25)	353 (292)	267 (209)						
10	83 (40)	401 (401)	337 (320)						
11	109 (61)	468 (389)	408 (347)						
12	74 (75)	397 (273)	329 (204)						
13	28 (20)	265 (147)	217 (106)						
14	14 (9)	210 (111)	173 (84)						
15	34 (18)	226 (145)	189 (123)						
16	27 (14)	295 (216)	213 (143)						
17	47 (21)	291 (223)	236 (159)						
18	113 (51)	357 (285)	294 (208)						
19	75 (45)	343 (298)	269 (224)						
20	47 (25)	326 (245)	227 (173)						
21	121 (86)	365 (295)	288 (231)						
22	99 (48)	371 (318)	294 (279)						
23	104 (53)	365 (351)	307 (294)						
24	88 (54)	406 (405)	314 (303)						
25	78 (33)	459 (345)	406 (315)						
26	111 (45)	500 (344)	445 (275)						
27	113 (43)	462 (312)	386 (249)						
28	65 (22)	367 (273)	299 (189)						
29	28 (9)	275 (132)	208 (103)						
30	30 (14)	289 (145)	214 (115)						
Mean	66	354	287						
n	30	30	30	0	0	0	0	0	0
SD	32	73	71						
Min	14	210	173						
Max	121	500	445						

Table F4. Daily means (SD) of particulate matter concentrations at Site CA2B for October, 2009.

Day	PM ₁₀ , µg dsm ⁻³			PM _{2.5} , µg dsm ⁻³			TSP, µg dsm ⁻³		
	Inlet	House 5	House 6	Inlet	House 5	House 6	Inlet	House 5	House 6
1	56 40	298 174	269 164						
2	250 246	343 152	527 327						
3	157 161	393 198	494 340						
4	76 77	386 236	366 215						
5	58 30	323 178	319 200						
6	75 25	346 175	292 141						
7	110 75	336 197	321 199						
8	86 54	333 185	330 220						
9	64 66	318 187	266 146						
10	74 32	275 139	239 136						
11	43 20	271 146	259 168						
12	44 24	256 163	242 124						
13	21 15	204 142	254 254						
14	28 17	127 90	148 108						
15	19 11		233 399						
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Mean	77	301	304						
n	15	14	15	0	0	0	0	0	0
SD	58	69	95						
Min	19	127	148						
Max	250	393	527						

Table E5. PM10 emissions

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for October, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25	1710 (1250)	878 (640)	48.1 (35.0)	13.7 (10.0)	845 (1360)	433 (700)	24.4 (39.4)	7.4 (11.9)
26	1480 (1210)	761 (622)	41.7 (34.1)	11.9 (9.7)	738 (642)	379 (329)	21.3 (18.5)	6.5 (5.6)
27	1430 (1080)	731 (552)	40.0 (30.2)	11.4 (8.6)	888 (1130)	455 (581)	25.6 (32.7)	7.8 (9.9)
28	1430 (973)	732 (499)	40.1 (27.4)	11.4 (7.8)	747 (1200)	383 (617)	21.6 (34.8)	6.5 (10.5)
29	1030 (1110)	531 (568)	29.1 (31.1)	8.3 (8.9)	608 (1310)	312 (672)	17.6 (37.8)	5.3 (11.4)
30	1110 (857)	571 (439)	31.3 (24.1)	8.9 (6.9)	768 (661)	394 (339)	22.2 (19.1)	6.7 (5.8)
31	1120 (901)	576 (462)	31.6 (25.3)	9.0 (7.2)	600 (607)	307 (311)	17.3 (17.5)	5.2 (5.3)
Mean	1330	683	37.4	10.7	742	380	21.4	6.5
n	7	7	7	7	7	7	7	7
SD	228	117	6.4	1.8	101	52	2.9	0.9
Min	1030	531	29.1	8.3	600	307	17.3	5.2
Max	1710	878	48.1	13.7	888	455	25.6	7.8

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for November, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	798 (695)	409 (356)	22.4 (19.5)	6.4 (5.6)	533 (664)	273 (340)	15.4 (19.2)	4.6 (5.8)
2	660 (566)	339 (290)	18.6 (15.9)	5.3 (4.5)	417 (605)	214 (310)	12.0 (17.5)	3.6 (5.3)
3	595 (581)	305 (298)	16.8 (16.4)	4.8 (4.6)	364 (738)	187 (378)	10.5 (21.3)	3.2 (6.4)
4	691 (677)	354 (347)	19.4 (19.0)	5.5 (5.4)	411 (783)	211 (402)	11.9 (22.6)	3.6 (6.8)
5	663 (613)	340 (315)	18.7 (17.3)	5.3 (4.9)	308 (619)	158 (317)	8.9 (17.9)	2.7 (5.4)
6	739 (602)	379 (309)	20.8 (17.0)	5.9 (4.8)	405 (594)	208 (305)	11.7 (17.2)	3.5 (5.2)
7	612 (651)	314 (334)	17.2 (18.3)	4.9 (5.2)	416 (662)	213 (339)	12.0 (19.1)	3.6 (5.8)
8	739 (649)	379 (333)	20.8 (18.3)	5.9 (5.2)	519 (530)	266 (272)	15.0 (15.3)	4.5 (4.6)
9	623 (484)	320 (248)	17.6 (13.6)	4.9 (3.8)	434 (451)	222 (232)	12.5 (13.1)	3.8 (3.9)
10	712 (735)	365 (377)	20.1 (20.7)	5.6 (5.8)	627 (807)	322 (414)	18.1 (23.4)	5.5 (7.0)
11	861 (664)	442 (340)	24.3 (18.7)	6.8 (5.2)	565 (549)	290 (282)	16.4 (15.9)	4.9 (4.8)
12	648 (710)	332 (364)	18.3 (20.0)	5.1 (5.6)				
13	557 (815)	286 (418)	15.7 (23.0)	4.4 (6.4)	436 (871)	224 (446)	12.6 (25.2)	3.8 (7.5)
14								
15	775 (797)	397 (409)	21.9 (22.5)	6.1 (6.2)	420 (654)	215 (335)	12.2 (19.0)	3.6 (5.6)
16	1220 (1080)	624 (555)	34.4 (30.6)	9.5 (8.5)	584 (826)	300 (423)	16.9 (23.9)	5.0 (7.1)
17	1350 (957)	695 (491)	38.3 (27.0)	10.6 (7.5)	729 (457)	374 (234)	21.1 (13.3)	6.2 (3.9)
18	1150 (792)	588 (406)	32.4 (22.4)	9.0 (6.2)	470 (316)	241 (162)	13.6 (9.2)	4.0 (2.7)
19	1180 (848)	603 (435)	33.2 (24.0)	9.2 (6.6)	507 (323)	260 (166)	14.7 (9.4)	4.3 (2.8)
20	1090 (699)	558 (358)	30.8 (19.8)	8.5 (5.5)	456 (307)	234 (157)	13.2 (8.9)	3.9 (2.6)
21	1060 (1040)	541 (535)	29.8 (29.5)	8.2 (8.2)	448 (376)	230 (193)	13.0 (10.9)	3.8 (3.2)
22	1110 (835)	568 (428)	31.4 (23.6)	8.7 (6.5)	397 (344)	204 (176)	11.5 (10.0)	3.4 (3.0)
23	979 (927)	502 (475)	27.7 (26.2)	7.7 (7.3)	312 (276)	160 (142)	9.1 (8.0)	2.7 (2.4)
24	914 (1030)	469 (528)	25.9 (29.1)	7.2 (8.1)	333 (330)	171 (169)	9.7 (9.6)	2.9 (2.8)
25	1600 (1590)	820 (813)	45.3 (44.9)	12.5 (12.4)	631 (754)	324 (387)	18.3 (21.9)	5.4 (6.5)
26	1830 (1410)	941 (725)	51.9 (40.0)	14.4 (11.1)	716 (584)	367 (299)	20.8 (17.0)	6.1 (5.0)
27	1640 (1320)	840 (677)	46.4 (37.4)	12.9 (10.4)	637 (615)	326 (315)	18.5 (17.9)	5.4 (5.2)
28	1900 (1440)	976 (737)	53.9 (40.7)	15.0 (11.3)	562 (601)	288 (308)	16.3 (17.4)	4.8 (5.1)
29	1790 (1720)	919 (880)	50.8 (48.6)	14.2 (13.5)	543 (866)	278 (444)	15.8 (25.2)	4.6 (7.3)
30	1410 (872)	725 (447)	40.1 (24.7)	11.2 (6.9)	432 (615)	222 (315)	12.6 (17.9)	3.7 (5.2)
Mean	1030	529	29.1	8.1	486	249	14.1	4.2
n	29	29	29	29	28	28	28	28
SD	404	207	11.5	3.2	112	57	3.3	1.0
Min	557	286	15.7	4.4	308	158	8.9	2.7
Max	1900	976	53.9	15.0	729	374	21.1	6.2

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for December, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	1210 (810)	621 (415)	34.3 (23.0)	9.6 (6.4)	396 (488)	203 (250)	11.5 (14.2)	3.4 (4.1)
2	1290 (1010)	663 (517)	36.7 (28.6)	10.3 (8.0)	351 (620)	180 (318)	10.2 (18.0)	3.0 (5.3)
3	1370 (1050)	704 (540)	38.9 (29.9)	10.9 (8.4)	310 (760)	159 (390)	9.0 (22.1)	2.7 (6.5)
4	1470 (1020)	752 (521)	41.6 (28.8)	11.7 (8.1)	431 (597)	221 (306)	12.5 (17.4)	3.7 (5.1)
5	1420 (1340)	728 (689)	40.3 (38.2)	11.3 (10.7)	606 (870)	311 (446)	17.6 (25.3)	5.2 (7.5)
6	1580 (988)	812 (507)	45.0 (28.1)	12.7 (7.9)	689 (578)	354 (296)	20.1 (16.8)	6.0 (5.0)
7	1360 (858)	699 (440)	38.7 (24.4)	10.9 (6.9)	714 (431)	366 (221)	20.8 (12.5)	6.2 (3.8)
8	1190 (859)	610 (441)	33.8 (24.4)	9.5 (6.9)				
9	1210 (1040)	619 (535)	34.3 (29.7)	9.7 (8.4)	434 (646)	222 (332)	12.6 (18.8)	3.8 (5.7)
10	1210 (937)	623 (480)	34.5 (26.6)	9.7 (7.5)				
11	893 (779)	458 (399)	25.4 (22.2)	7.1 (6.2)				
12	1050 (1230)	539 (633)	29.9 (35.1)	8.4 (9.9)				
13	965 (957)	495 (491)	27.5 (27.2)	7.7 (7.6)	291 (523)	149 (268)	8.5 (15.2)	2.6 (4.6)
14								
15								
16								
17								
18								
19								
20								
21								
22	1160 (947)	594 (485)	33.1 (27.0)	9.2 (7.5)				
23	979 (816)	502 (418)	28.0 (23.3)	7.8 (6.5)				
24	846 (661)	434 (339)	24.2 (18.9)	6.7 (5.3)				
25	709 (854)	364 (438)	20.3 (24.4)	5.6 (6.8)				
26	816 (943)	418 (484)	23.3 (27.0)	6.5 (7.5)				
27	510 (684)	262 (351)	14.6 (19.6)	4.0 (5.4)				
28	650 (637)	333 (327)	18.6 (18.2)	5.1 (5.0)				
29	679 (957)	348 (491)	19.5 (27.4)	5.4 (7.6)				
30	893 (767)	458 (393)	25.6 (22.0)	7.1 (6.1)	39 (394)	20 (202)	1.1 (11.5)	0.3 (3.4)
31	570 (818)	293 (419)	16.4 (23.4)	4.5 (6.5)	143 (531)	73 (272)	4.2 (15.5)	1.2 (4.6)
Mean	1050	536	29.8	8.3	400	205	11.6	3.5
n	23	23	23	23	11	11	11	11
SD	299	153	8.4	2.4	201	103	5.9	1.8
Min	510	262	14.6	4.0	39	20	1.1	0.3
Max	1580	812	45.0	12.7	714	366	20.8	6.2

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for January, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	658 (932)	337 (478)	18.9 (26.7)	5.2 (7.4)	-15 (934)	-8 (479)	-0.4 (27.3)	-0.1 (8.0)
2								
3	626 (2190)	321 (1120)	18.0 (62.9)	5.0 (17.5)				
4	648 (942)	333 (483)	18.6 (27.1)	5.2 (7.6)				
5	402 (786)	206 (403)	11.6 (22.6)	3.3 (6.4)				
6	235 (512)	120 (263)	6.8 (14.7)	2.0 (4.3)				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29					710 (579)	364 (297)	20.9 (17.0)	6.2 (5.1)
30					1060 (720)	545 (369)	31.3 (21.2)	9.3 (6.3)
31					926 (712)	475 (365)	27.3 (21.0)	8.1 (6.2)
Mean	514	264	14.8	4.1	671	344	19.8	5.9
n	5	5	5	5	4	4	4	4
SD	168	86	4.8	1.3	415	213	12.2	3.6
Min	235	120	6.8	2.0	-15	-8	-0.4	-0.1
Max	658	337	18.9	5.2	1060	545	31.3	9.3

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for February, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1					789 (786)	405 (403)	23.3 (23.2)	6.9 (6.9)
2					789 (916)	405 (470)	23.3 (27.0)	6.9 (8.1)
3					834 (1170)	428 (599)	24.6 (34.5)	7.4 (10.3)
4					590 (915)	303 (469)	17.4 (27.0)	5.2 (8.1)
5					558 (726)	286 (372)	16.5 (21.4)	5.0 (6.4)
6					701 (795)	359 (408)	20.7 (23.5)	6.2 (7.1)
7					632 (786)	324 (403)	18.7 (23.2)	5.6 (7.0)
8					543 (525)	278 (269)	16.0 (15.5)	4.9 (4.7)
9					614 (695)	315 (357)	18.1 (20.5)	5.5 (6.2)
10					537 (829)	275 (425)	15.9 (24.5)	4.8 (7.5)
11					632 (994)	324 (510)	18.7 (29.4)	5.7 (9.0)
12					643 (493)	330 (253)	19.0 (14.6)	5.8 (4.5)
13					440 (927)	226 (475)	13.0 (27.4)	4.0 (8.4)
14								
15					604 (386)	310 (198)	17.9 (11.4)	5.5 (3.5)
16					598 (414)	307 (212)	17.7 (12.3)	5.5 (3.8)
17					595 (481)	305 (246)	17.6 (14.2)	5.4 (4.4)
18					521 (356)	267 (183)	15.4 (10.5)	4.7 (3.2)
19					478 (404)	245 (207)	14.2 (12.0)	4.3 (3.7)
20					563 (412)	288 (211)	16.7 (12.2)	5.1 (3.7)
21					593 (452)	304 (232)	17.6 (13.4)	5.3 (4.1)
22					512 (358)	262 (184)	15.2 (10.6)	4.6 (3.2)
23					488 (335)	250 (172)	14.5 (9.9)	4.3 (3.0)
24					602 (534)	309 (274)	17.9 (15.9)	5.4 (4.8)
25					372 (571)	191 (293)	11.1 (17.0)	3.3 (5.1)
26					462 (452)	237 (232)	13.7 (13.4)	4.2 (4.1)
27					628 (907)	322 (465)	18.7 (27.0)	5.7 (8.2)
28					705 (531)	362 (272)	21.0 (15.8)	6.4 (4.8)
29					460 (962)	236 (493)	13.7 (28.6)	4.2 (8.7)
Mean					589	302	17.4	5.3
n	0	0	0	0	28	28	28	28
SD					106	55	3.1	0.9
Min					372	191	11.1	3.3
Max					834	428	24.6	7.4

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for March, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1					564 (843)	289 (432)	16.8 (25.1)	5.1 (7.7)
2					706 (536)	362 (275)	21.0 (16.0)	6.4 (4.9)
3					555 (400)	284 (205)	16.5 (11.9)	5.1 (3.7)
4					389 (349)	200 (179)	11.6 (10.4)	3.6 (3.2)
5					1530 (2120)	784 (1090)	45.6 (63.2)	14.0 (19.4)
6					1030 (1180)	527 (605)	30.6 (35.2)	9.4 (10.8)
7					813 (758)	417 (389)	24.3 (22.6)	7.5 (7.0)
8					716 (532)	367 (273)	21.4 (15.9)	6.6 (4.9)
9					684 (498)	351 (256)	20.4 (14.9)	6.3 (4.6)
10					665 (627)	341 (322)	19.9 (18.8)	6.1 (5.8)
11					1090 (1210)	561 (622)	32.7 (36.3)	10.1 (11.2)
12					841 (709)	431 (363)	25.2 (21.2)	7.7 (6.5)
13					787 (634)	404 (325)	23.6 (19.0)	7.2 (5.8)
14								
15								
16								
17								
18								
19								
20								
21								
22					796 (736)	408 (377)	23.9 (22.1)	7.3 (6.8)
23					717 (687)	368 (352)	21.5 (20.6)	6.7 (6.4)
24					726 (677)	373 (347)	21.8 (20.4)	6.9 (6.4)
25	1450 (1150)	743 (591)	42.5 (33.8)	12.2 (9.7)	553 (995)	284 (510)	16.6 (29.9)	5.4 (9.7)
26	1340 (999)	687 (512)	39.3 (29.3)	11.3 (8.4)	713 (651)	365 (334)	21.4 (19.6)	7.0 (6.4)
27	896 (617)	460 (316)	26.3 (18.1)	7.5 (5.2)	475 (436)	244 (223)	14.3 (13.1)	4.8 (4.4)
28	1040 (807)	534 (414)	30.6 (23.7)	8.7 (6.8)	562 (403)	288 (207)	16.9 (12.1)	5.8 (4.1)
29	1080 (724)	556 (371)	31.8 (21.3)	9.1 (6.1)	737 (570)	378 (292)	22.2 (17.2)	7.7 (5.9)
30	880 (695)	451 (356)	25.9 (20.4)	7.4 (5.8)	526 (494)	270 (254)	15.9 (14.9)	5.5 (5.2)
31	1170 (1170)	598 (601)	34.3 (34.4)	9.8 (9.8)	852 (755)	437 (387)	25.7 (22.8)	9.0 (8.0)
Mean	1120	575	33.0	9.4	740	380	22.2	7.0
n	7	7	7	7	23	23	23	23
SD	198	101	5.8	1.7	233	119	6.9	2.1
Min	880	451	25.9	7.4	389	200	11.6	3.6
Max	1450	743	42.5	12.2	1530	784	45.6	14.0

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for April, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	1350 (867)	693 (445)	39.7 (25.5)	11.3 (7.2)	1060 (859)	544 (440)	32.0 (25.9)	11.2 (9.1)
2	1280 (840)	657 (431)	37.7 (24.7)	10.7 (7.0)	870 (613)	446 (314)	26.2 (18.5)	9.3 (6.5)
3	965 (668)	495 (342)	28.4 (19.6)	8.0 (5.6)	746 (652)	382 (334)	22.5 (19.7)	8.0 (7.0)
4	1020 (701)	522 (359)	30.0 (20.6)	8.5 (5.8)	649 (479)	333 (246)	19.6 (14.5)	7.0 (5.2)
5	950 (690)	487 (354)	27.9 (20.3)	7.9 (5.7)	695 (512)	356 (263)	21.0 (15.5)	7.6 (5.6)
6	1060 (808)	542 (414)	31.1 (23.8)	8.8 (6.7)	767 (591)	393 (303)	23.2 (17.8)	8.5 (6.5)
7	786 (728)	403 (373)	23.1 (21.4)	6.6 (6.1)	646 (794)	331 (407)	19.5 (24.0)	7.3 (8.9)
8	860 (661)	441 (339)	25.3 (19.4)	7.2 (5.5)	627 (405)	321 (208)	18.9 (12.2)	7.2 (4.6)
9	929 (795)	476 (408)	27.3 (23.4)	7.8 (6.6)	740 (525)	379 (269)	22.4 (15.9)	8.6 (6.1)
10	791 (628)	406 (322)	23.3 (18.5)	6.6 (5.2)	549 (547)	281 (280)	16.6 (16.5)	6.5 (6.4)
11	634 (725)	325 (372)	18.7 (21.3)	5.3 (6.1)	786 (1270)	403 (651)	23.8 (38.4)	9.4 (15.3)
12	922 (1740)	473 (894)	27.2 (51.3)	7.7 (14.6)	1410 (1920)	724 (984)	42.7 (58.0)	17.1 (23.2)
13	1300 (2130)	665 (1090)	38.2 (62.6)	10.8 (17.8)	1570 (2120)	805 (1090)	47.5 (64.2)	19.0 (25.7)
14	732 (803)	375 (412)	21.5 (23.7)	6.1 (6.7)	329 (722)	169 (370)	10.0 (21.9)	4.0 (8.7)
15	714 (564)	366 (289)	21.0 (16.6)	6.0 (4.7)	82 (340)	42 (175)	2.5 (10.3)	1.0 (4.1)
16	707 (673)	363 (345)	20.8 (19.8)	5.9 (5.6)	-176 (684)	-90 (351)	-5.3 (20.7)	-2.1 (8.3)
17								
18								
19								
20	872 (622)	447 (319)	25.7 (18.3)	7.3 (5.2)	964 (581)	494 (298)	29.2 (17.6)	11.6 (7.0)
21	830 (599)	426 (307)	24.5 (17.7)	6.9 (5.0)	1010 (497)	519 (255)	30.7 (15.1)	12.2 (6.0)
22	912 (726)	468 (372)	26.9 (21.4)	7.6 (6.1)	1300 (621)	669 (318)	39.6 (18.8)	15.7 (7.5)
23	847 (608)	435 (312)	25.0 (17.9)	7.1 (5.1)	1310 (1000)	673 (513)	39.8 (30.3)	15.8 (12.0)
24	1090 (1560)	561 (801)	32.3 (46.1)	9.1 (13.0)	1300 (1060)	666 (543)	39.4 (32.1)	15.6 (12.7)
25	881 (627)	452 (322)	26.0 (18.5)	7.4 (5.2)	1430 (1240)	734 (637)	43.4 (37.7)	17.1 (14.8)
26	779 (999)	400 (513)	23.0 (29.5)	6.5 (8.4)	1770 (1710)	909 (876)	53.8 (51.8)	21.1 (20.3)
27	1260 (1490)	647 (766)	37.3 (44.2)	10.6 (12.5)	1380 (1690)	706 (869)	41.8 (51.4)	16.3 (20.1)
28	1290 (1220)	662 (628)	38.1 (36.2)	10.8 (10.3)	2500 (3030)	1280 (1550)	75.9 (91.9)	29.4 (35.7)
29	1420 (961)	728 (493)	41.9 (28.4)	11.9 (8.1)	2240 (920)	1150 (472)	68.1 (27.9)	26.3 (10.8)
30	869 (647)	446 (332)	25.7 (19.1)	7.3 (5.5)	1790 (1240)	919 (636)	54.4 (37.6)	20.9 (14.5)
Mean	965	495	28.4	8.1	1050	539	31.8	12.3
n	27	27	27	27	27	27	27	27
SD	215	110	6.4	1.8	598	307	18.2	7.2
Min	634	325	18.7	5.3	-176	-90	-5.3	-2.1
Max	1420	728	41.9	11.9	2500	1280	75.9	29.4

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for May, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	736 (539)	378 (277)	21.8 (16.0)	6.2 (4.6)	1920 (1020)	983 (524)	58.2 (31.0)	22.2 (11.9)
2	796 (654)	408 (335)	23.5 (19.3)	6.7 (5.5)	2110 (1480)	1080 (759)	64.1 (44.9)	24.3 (17.1)
3	730 (616)	374 (316)	21.6 (18.2)	6.2 (5.2)	2050 (1330)	1050 (684)	62.2 (40.5)	23.6 (15.4)
4	815 (733)	418 (376)	24.1 (21.7)	6.9 (6.2)	1620 (2210)	830 (1130)	49.1 (67.2)	18.7 (25.5)
5	616 (683)	316 (350)	18.2 (20.2)	5.2 (5.8)	480 (1420)	246 (728)	14.6 (43.1)	5.6 (16.4)
6	665 (895)	341 (459)	19.7 (26.5)	5.7 (7.6)	-9 (1020)	-4 (525)	-0.3 (31.1)	-0.1 (11.9)
7	914 (713)	469 (366)	27.1 (21.1)	7.8 (6.1)	-145 (461)	-75 (237)	-4.4 (14.0)	-1.7 (5.4)
8	524 (739)	269 (379)	15.5 (21.9)	4.5 (6.4)	-362 (1020)	-185 (525)	-11.0 (31.1)	-4.2 (11.9)
9	680 (624)	349 (320)	20.2 (18.5)	5.9 (5.4)	-210 (890)	-107 (456)	-6.4 (27.0)	-2.5 (10.4)
10	720 (1000)	369 (515)	21.4 (29.7)	6.2 (8.7)	-570 (978)	-292 (501)	-17.3 (29.7)	-6.7 (11.4)
11								
12								
13	1530 (1340)	786 (686)	45.5 (39.7)	13.3 (11.6)	2940 (1590)	1510 (814)	89.5 (48.3)	33.9 (18.3)
14	1560 (1550)	801 (795)	46.4 (46.0)	13.6 (13.5)	4040 (2950)	2070 (1520)	123.0 (89.9)	46.3 (33.9)
15	1560 (1520)	801 (781)	46.4 (45.2)	13.6 (13.3)	4240 (2570)	2170 (1320)	129.0 (78.1)	48.4 (29.3)
16	1630 (1910)	834 (977)	48.3 (56.6)	14.2 (16.6)	4690 (3290)	2400 (1690)	143.0 (100.0)	53.4 (37.4)
17	1690 (1820)	869 (934)	50.3 (54.1)	14.8 (15.9)	4280 (3380)	2190 (1730)	130.0 (103.0)	48.4 (38.1)
18	1710 (1820)	878 (933)	50.9 (54.1)	14.9 (15.9)	3590 (3360)	1840 (1720)	109.0 (102.0)	40.2 (37.6)
19	1160 (1740)	596 (894)	34.6 (51.8)	10.1 (15.2)	3510 (2690)	1800 (1380)	107.0 (81.7)	39.0 (29.8)
20								
21								
22								
23								
24								
25								
26								
27								
28	1310 (990)	670 (508)	39.0 (29.5)	11.2 (8.5)	2730 (2100)	1400 (1080)	83.2 (63.9)	28.9 (22.2)
29	900 (576)	462 (296)	26.9 (17.2)	7.7 (5.0)	2180 (1040)	1120 (535)	66.4 (31.8)	23.0 (11.0)
30	763 (589)	391 (302)	22.8 (17.6)	6.6 (5.1)	2310 (1250)	1180 (641)	70.3 (38.1)	24.3 (13.1)
31	914 (631)	469 (324)	27.3 (18.9)	7.9 (5.4)	2340 (1260)	1200 (647)	71.4 (38.4)	24.6 (13.2)
Mean	1040	536	31.0	9.0	2080	1070	63.3	23.3
n	21	21	21	21	21	21	21	21
SD	399	205	11.9	3.5	1630	838	49.7	18.5
Min	524	269	15.5	4.5	-570	-292	-17.3	-6.7
Max	1710	878	50.9	14.9	4690	2400	143.0	53.4

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for June, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	974 (779)	499 (400)	29.1 (23.3)	8.4 (6.7)	2020 (1420)	1040 (731)	61.6 (43.5)	21.1 (14.9)
2	1040 (912)	535 (467)	31.1 (27.2)	9.0 (7.8)	1980 (1660)	1020 (853)	60.4 (50.7)	20.6 (17.3)
3	1180 (2480)	606 (1270)	63.1 (149.0)	18.1 (42.7)	1760 (1480)	901 (758)	53.6 (45.1)	18.2 (15.3)
4					1400 (1350)	716 (691)	42.6 (41.1)	14.4 (13.9)
5					2510 (2310)	1280 (1180)	76.4 (70.5)	25.8 (23.8)
6					3090 (2450)	1580 (1250)	94.2 (74.6)	31.7 (25.1)
7					2470 (1780)	1260 (911)	75.3 (54.2)	25.2 (18.2)
8					2960 (2020)	1520 (1030)	90.4 (61.6)	30.2 (20.6)
9					3430 (2580)	1760 (1320)	105.0 (78.6)	34.9 (26.2)
10					2300 (1460)	1180 (751)	70.1 (44.7)	23.3 (14.9)
11					2420 (1990)	1240 (1020)	73.9 (60.8)	24.5 (20.1)
12					2290 (1990)	1170 (1020)	69.9 (60.8)	23.1 (20.1)
13					3830 (4250)	1960 (2180)	117.0 (130.0)	38.5 (42.8)
14					3060 (2140)	1570 (1100)	93.6 (65.5)	30.7 (21.5)
15					2690 (2160)	1380 (1110)	82.2 (65.9)	26.8 (21.5)
16					2410 (1940)	1230 (995)	73.6 (59.3)	23.9 (19.2)
17					2360 (2060)	1210 (1050)	72.3 (62.8)	23.3 (20.2)
18					2260 (2080)	1160 (1070)	69.2 (63.5)	22.2 (20.4)
19					2080 (1960)	1070 (1000)	63.7 (59.8)	20.3 (19.1)
20					3620 (3640)	1860 (1860)	111.0 (111.0)	35.2 (35.3)
21					3040 (2240)	1560 (1150)	93.1 (68.7)	29.5 (21.7)
22					2660 (2190)	1360 (1120)	81.3 (67.0)	25.8 (21.3)
23					1930 (1690)	988 (866)	58.9 (51.7)	18.7 (16.4)
24					1640 (1520)	839 (782)	50.1 (46.7)	16.0 (14.9)
25					1380 (1410)	707 (724)	42.2 (43.2)	13.5 (13.8)
26					1400 (1730)	719 (887)	42.9 (53.0)	13.7 (16.9)
27					2380 (2620)	1220 (1350)	73.0 (80.4)	23.4 (25.7)
28					1620 (1250)	829 (641)	49.5 (38.3)	16.0 (12.4)
29					1660 (1490)	851 (765)	50.9 (45.7)	16.8 (15.1)
30					2120 (2850)	1090 (1460)	65.1 (87.2)	21.9 (29.5)
Mean	1070	547	41.1	11.8	2360	1210	72.1	23.6
n	3	3	3	3	30	30	30	30
SD	86	44	15.6	4.5	641	329	19.6	6.4
Min	974	499	29.1	8.4	1380	707	42.2	13.5
Max	1180	606	63.1	18.1	3830	1960	117.0	38.5

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for July, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1					1490 (1060)	762 (543)	45.5 (32.4)	15.6 (11.2)
2					1580 (1460)	810 (750)	48.4 (44.8)	17.0 (15.8)
3					1460 (1270)	749 (651)	44.8 (38.9)	16.0 (14.0)
4					934 (809)	479 (415)	28.6 (24.8)	10.5 (9.1)
5					1340 (1460)	688 (747)	41.2 (44.6)	15.3 (16.5)
6					1440 (1650)	740 (845)	44.2 (50.5)	16.4 (18.7)
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23					1620 (1850)	833 (951)	50.0 (57.1)	18.8 (21.4)
24					825 (1320)	423 (679)	25.4 (40.8)	9.5 (15.3)
25	3950 (3080)	2020 (1580)	111.0 (86.9)	35.0 (27.3)	1240 (1550)	638 (797)	38.4 (47.9)	14.4 (18.0)
26	3850 (3250)	1980 (1670)	109.0 (91.7)	33.9 (28.6)	1460 (1710)	751 (878)	45.1 (52.8)	17.0 (19.8)
27	3220 (2770)	1650 (1420)	90.9 (78.1)	28.2 (24.2)	1080 (1420)	555 (726)	33.4 (43.7)	12.5 (16.4)
28	2820 (2670)	1450 (1370)	79.8 (75.5)	24.7 (23.3)	966 (1250)	495 (641)	29.8 (38.6)	11.2 (14.5)
29	2640 (2790)	1350 (1430)	74.5 (78.9)	22.9 (24.3)	788 (1260)	404 (645)	24.3 (38.8)	9.1 (14.5)
30	3280 (3180)	1680 (1630)	92.8 (89.8)	28.4 (27.5)	1510 (2170)	775 (1110)	46.7 (66.9)	17.5 (25.0)
31	3020 (2320)	1550 (1190)	85.2 (65.6)	26.0 (20.0)	1340 (1360)	688 (699)	41.4 (42.1)	15.5 (15.7)
Mean	3250	1670	91.9	28.5	1270	653	39.1	14.4
n	7	7	7	7	15	15	15	15
SD	458	235	12.9	4.2	272	140	8.3	3.0
Min	2640	1350	74.5	22.9	788	404	24.3	9.1
Max	3950	2020	111.0	35.0	1620	833	50.0	18.8

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for August, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	2990 (2460)	1530 (1260)	84.4 (69.5)	25.6 (21.1)	1200 (1320)	614 (679)	37.0 (40.9)	13.8 (15.3)
2	3200 (2640)	1640 (1350)	90.5 (74.6)	27.4 (22.6)	1140 (1350)	584 (690)	35.2 (41.6)	13.0 (15.4)
3	2730 (2300)	1400 (1180)	77.3 (65.0)	23.4 (19.7)	1020 (1250)	525 (640)	31.6 (38.5)	11.6 (14.1)
4	2520 (2170)	1290 (1110)	71.3 (61.4)	21.6 (18.6)	982 (1310)	504 (672)	30.3 (40.4)	10.9 (14.6)
5	2270 (2210)	1170 (1130)	64.3 (62.5)	19.4 (18.9)	752 (1080)	385 (556)	23.2 (33.5)	8.3 (11.9)
6	2620 (2480)	1340 (1270)	74.1 (70.3)	22.4 (21.2)	1950 (2840)	1000 (1460)	60.3 (87.9)	21.2 (30.8)
7	3090 (2450)	1580 (1260)	87.4 (69.5)	26.4 (20.9)	2080 (2010)	1070 (1030)	64.3 (62.2)	22.3 (21.5)
8	2410 (1930)	1240 (987)	68.3 (54.5)	20.6 (16.4)	1190 (1120)	611 (574)	36.8 (34.6)	12.6 (11.8)
9	2130 (1760)	1090 (900)	60.4 (49.7)	18.2 (15.0)	958 (918)	491 (471)	29.6 (28.4)	10.1 (9.7)
10	2530 (2070)	1300 (1060)	71.6 (58.7)	21.5 (17.7)	1450 (1540)	745 (790)	44.9 (47.6)	15.3 (16.3)
11	2800 (2380)	1430 (1220)	79.2 (67.4)	23.8 (20.2)	1870 (1940)	960 (992)	57.9 (59.9)	19.8 (20.5)
12	2310 (2160)	1190 (1110)	65.5 (61.2)	19.7 (18.4)	1500 (3180)	772 (1630)	46.6 (98.4)	16.0 (33.8)
13					2360 (2640)	1210 (1350)	72.9 (81.7)	25.1 (28.2)
14					2270 (1640)	1160 (841)	70.3 (50.8)	24.3 (17.6)
15					2140 (1750)	1100 (895)	66.1 (54.1)	22.9 (18.7)
16	3220 (2570)	1650 (1320)	91.1 (72.7)	27.3 (21.8)	1950 (1670)	1000 (855)	60.5 (51.7)	21.0 (17.9)
17	2390 (1900)	1220 (974)	67.6 (53.8)	20.2 (16.1)	1500 (1420)	768 (728)	46.4 (44.0)	16.0 (15.2)
18	1700 (1390)	874 (715)	48.3 (39.5)	14.4 (11.8)	1010 (843)	518 (432)	31.3 (26.1)	10.8 (9.0)
19	1900 (1660)	975 (853)	53.9 (47.1)	16.0 (14.0)	1540 (1500)	790 (771)	47.8 (46.7)	16.4 (16.0)
20	2680 (2360)	1380 (1210)	76.0 (66.9)	22.6 (19.9)	1470 (1100)	756 (562)	45.8 (34.0)	15.6 (11.6)
21	2420 (2120)	1240 (1090)	68.5 (60.2)	20.3 (17.9)	1290 (1090)	661 (558)	40.1 (33.8)	13.6 (11.5)
22	8140 (14000)	4170 (7170)	231.0 (396.0)	68.3 (117.0)	1580 (2460)	813 (1260)	49.3 (76.5)	16.7 (25.9)
23								
24	1960 (1960)	1000 (1000)	55.6 (55.4)	16.4 (16.3)	1300 (1910)	665 (978)	40.3 (59.3)	13.6 (20.0)
25	1610 (2040)	827 (1050)	45.8 (58.0)	13.5 (17.0)	1440 (4820)	737 (2470)	44.7 (150.0)	15.1 (50.7)
26	2090 (2050)	1070 (1050)	59.2 (58.1)	17.3 (17.0)	1290 (1860)	664 (956)	40.3 (58.0)	13.6 (19.6)
27	2430 (2440)	1250 (1250)	69.0 (69.2)	20.2 (20.2)	2100 (2540)	1080 (1300)	65.3 (78.9)	22.1 (26.7)
28	3060 (2690)	1570 (1380)	86.8 (76.2)	25.3 (22.2)	1910 (1640)	977 (839)	101.0 (95.2)	34.0 (32.2)
29	2970 (2430)	1520 (1240)	84.3 (68.8)	24.5 (20.0)	1390 (1910)	712 (978)		
30	2180 (2060)	1120 (1060)	62.0 (58.5)	18.0 (17.0)	2900 (8680)	1490 (4450)		
31	1310 (952)	670 (488)	37.1 (27.0)	10.8 (7.9)	-63 (503)	-33 (258)		
Mean	2650	1360	75.2	22.4	1520	777	48.9	16.9
n	27	27	27	27	30	30	27	27
SD	1180	604	33.4	9.9	566	290	16.8	5.6
Min	1310	670	37.1	10.8	-63	-33	23.2	8.3
Max	8140	4170	231.0	68.3	2900	1490	101.0	34.0

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for September, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	1090 (1360)	560 (697)	31.0 (38.6)	9.0 (11.2)				
2	2040 (2050)	1050 (1050)	57.8 (58.1)	16.9 (16.9)				
3	2570 (2650)	1320 (1360)	73.0 (75.2)	21.3 (21.9)				
4	2560 (2480)	1310 (1270)	72.5 (70.4)	21.2 (20.6)				
5	2560 (2540)	1310 (1300)	72.6 (72.0)	21.2 (21.0)				
6	2580 (2920)	1320 (1500)	73.3 (82.8)	21.4 (24.2)				
7	2630 (3050)	1350 (1560)	74.8 (86.6)	21.8 (25.2)				
8	2340 (2280)	1200 (1170)	66.4 (64.6)	19.3 (18.8)				
9	1710 (1280)	879 (654)	48.7 (36.2)	14.1 (10.5)				
10	1250 (956)	640 (490)	35.5 (27.2)	10.3 (7.9)				
11	1310 (1200)	674 (617)	37.3 (34.1)	10.8 (9.9)				
12	1570 (1420)	806 (727)	44.6 (40.2)	12.8 (11.6)				
13	1250 (1070)	640 (549)	35.4 (30.4)	10.2 (8.8)				
14	1660 (1570)	852 (807)	47.2 (44.7)	13.6 (12.9)				
15	1300 (1390)	668 (714)	37.0 (39.6)	10.7 (11.5)				
16	1380 (2120)	710 (1090)	39.3 (60.3)	11.4 (17.5)				
17	712 (605)	365 (310)	20.2 (17.2)	5.9 (5.0)				
18	840 (1020)	431 (523)	23.9 (29.0)	7.0 (8.5)				
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30	782 (1800)	401 (922)	22.2 (51.2)	6.5 (15.0)	2400 (2080)	1230 (1070)	70.4 (61.1)	24.5 (21.3)
Mean	1690	868	48.1	14.0				
n	19	19	19	19	1	1	1	1
SD	656	336	18.6	5.4				
Min	712	365	20.2	5.9				
Max	2630	1350	74.8	21.8				

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for October, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	-15 (1290)	-8 (663)	-0.4 (36.8)	-0.1 (10.8)	1650 (2090)	849 (1070)	48.6 (61.4)	16.9 (21.3)
2					2110 (1230)	1080 (631)	62.0 (36.2)	21.4 (12.5)
3					1340 (1180)	686 (604)	39.3 (34.6)	13.5 (11.9)
4								
5								
6								
7					2090 (1720)	1070 (884)	61.6 (50.7)	20.6 (17.0)
8								
9								
10	726 (483)	372 (248)	20.7 (13.8)	6.0 (4.0)				
11	479 (330)	246 (169)	13.6 (9.4)	4.0 (2.7)	1030 (2100)	527 (1080)	30.2 (61.8)	9.9 (20.2)
12	431 (407)	221 (209)	12.3 (11.6)	3.6 (3.4)	809 (989)	415 (507)	23.8 (29.1)	7.8 (9.5)
13	226 (422)	116 (216)	6.5 (12.0)	1.9 (3.5)	619 (463)	318 (237)	18.2 (13.6)	5.9 (4.4)
14	9 (395)	4 (202)	0.3 (11.3)	0.1 (3.3)	617 (510)	316 (262)	18.1 (15.0)	5.9 (4.9)
15	474 (711)	243 (364)	13.5 (20.3)	3.9 (5.9)	1230 (1280)	628 (657)	36.1 (37.7)	11.7 (12.2)
16	223 (549)	114 (281)	6.4 (15.6)	1.8 (4.5)	1090 (898)	559 (461)	32.1 (26.4)	10.4 (8.6)
17	62 (488)	32 (250)	1.8 (13.9)	0.5 (4.0)	921 (848)	472 (435)	27.1 (25.0)	8.8 (8.1)
18	172 (435)	88 (223)	4.9 (12.4)	1.4 (3.6)	1130 (1010)	580 (519)	33.3 (29.8)	10.7 (9.6)
19	529 (526)	272 (270)	15.1 (15.0)	4.4 (4.3)	964 (808)	494 (414)	28.4 (23.8)	9.1 (7.7)
20	633 (523)	325 (268)	18.1 (14.9)	5.2 (4.3)	993 (675)	509 (346)	29.2 (19.9)	9.4 (6.4)
21	402 (395)	206 (203)	11.5 (11.3)	3.3 (3.3)	811 (663)	416 (340)	23.9 (19.5)	7.6 (6.2)
22	50 (402)	26 (206)	1.4 (11.5)	0.4 (3.3)	628 (1540)	322 (792)	18.5 (45.5)	5.9 (14.5)
23	74 (408)	38 (209)	2.1 (11.7)	0.6 (3.4)	381 (719)	195 (369)	11.2 (21.2)	3.6 (6.7)
24	176 (456)	90 (234)	5.0 (13.0)	1.5 (3.8)	627 (867)	321 (445)	18.5 (25.5)	5.9 (8.1)
25	276 (525)	141 (269)	7.9 (15.0)	2.3 (4.4)	805 (676)	413 (347)	23.7 (19.9)	7.5 (6.3)
26	146 (415)	75 (213)	4.2 (11.8)	1.2 (3.5)	703 (760)	361 (390)	20.7 (22.4)	6.6 (7.1)
27	286 (368)	146 (189)	8.2 (10.5)	2.4 (3.1)	611 (501)	313 (257)	18.0 (14.8)	5.7 (4.7)
28	219 (388)	112 (199)	6.2 (11.1)	1.8 (3.2)	513 (602)	263 (309)	15.1 (17.7)	4.8 (5.6)
29	93 (494)	48 (253)	2.7 (14.1)	0.8 (4.1)	409 (631)	210 (323)	12.1 (18.6)	3.8 (5.9)
30	154 (423)	79 (217)	4.4 (12.1)	1.3 (3.5)	526 (558)	269 (286)	15.5 (16.4)	4.9 (5.2)
31	546 (665)	280 (341)	15.6 (19.0)	4.5 (5.5)	839 (768)	430 (394)	24.7 (22.6)	7.8 (7.2)
Mean	277	142	7.9	2.3	938	481	27.6	9.0
n	23	23	23	23	25	25	25	25
SD	206	106	5.9	1.7	452	232	13.3	4.6
Min	-15	-8	-0.4	-0.1	381	195	11.2	3.6
Max	726	372	20.7	6.0	2110	1080	62.0	21.4

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for November, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	562 (408)	288 (209)	16.1 (11.7)	4.7 (3.4)	926 (673)	475 (345)	27.3 (19.8)	8.6 (6.3)
2	438 (439)	225 (225)	12.5 (12.5)	3.6 (3.7)	743 (598)	381 (307)	21.9 (17.6)	7.0 (5.6)
3	376 (283)	193 (145)	10.7 (8.1)	3.1 (2.4)	654 (510)	335 (261)	19.3 (15.0)	6.1 (4.8)
4	470 (394)	241 (202)	13.4 (11.3)	3.9 (3.3)	782 (556)	401 (285)	23.1 (16.4)	7.3 (5.2)
5								
6								
7								
8								
9								
10								
11								
12								
13	566 (752)	290 (386)	16.2 (21.5)	4.6 (6.1)	783 (998)	401 (512)	23.1 (29.4)	7.3 (9.2)
14	502 (342)	257 (176)	14.4 (9.8)	4.1 (2.8)	714 (444)	366 (228)	21.1 (13.1)	6.6 (4.1)
15	298 (246)	153 (126)	8.5 (7.1)	2.4 (2.0)	530 (381)	272 (196)	15.6 (11.2)	4.9 (3.5)
16	216 (580)	111 (297)	6.2 (16.6)	1.8 (4.7)	343 (519)	176 (266)	10.1 (15.3)	3.1 (4.8)
17	238 (435)	122 (223)	6.8 (12.4)	1.9 (3.5)	321 (498)	164 (255)	9.5 (14.7)	2.9 (4.5)
18	279 (242)	143 (124)	8.0 (6.9)	2.3 (2.0)	366 (325)	188 (167)	10.8 (9.6)	3.3 (3.0)
19	388 (363)	199 (186)	11.1 (10.4)	3.1 (2.9)	438 (443)	225 (227)	12.9 (13.1)	4.0 (4.0)
20	644 (844)	330 (433)	18.4 (24.2)	5.2 (6.8)	440 (394)	226 (202)	13.0 (11.6)	4.0 (3.6)
21	528 (499)	271 (256)	15.1 (14.3)	4.3 (4.0)	649 (735)	333 (377)	19.1 (21.7)	5.8 (6.6)
22	421 (287)	216 (147)	12.1 (8.2)	3.4 (2.3)	606 (403)	311 (207)	17.9 (11.9)	5.4 (3.6)
23	315 (289)	161 (148)	9.0 (8.3)	2.5 (2.3)	462 (381)	237 (195)	13.7 (11.2)	4.1 (3.4)
24	278 (214)	142 (110)	8.0 (6.1)	2.2 (1.7)	439 (362)	225 (186)	13.0 (10.7)	3.9 (3.2)
25	110 (614)	56 (315)	3.1 (17.6)	0.9 (5.0)	230 (503)	118 (258)	6.8 (14.9)	2.1 (4.5)
26	275 (243)	141 (125)	7.9 (7.0)	2.2 (2.0)	320 (373)	164 (191)	9.4 (11.0)	2.8 (3.3)
27	264 (206)	135 (106)	7.6 (5.9)	2.1 (1.7)	348 (290)	178 (149)	10.3 (8.6)	3.1 (2.6)
28	231 (212)	119 (109)	6.6 (6.1)	1.9 (1.7)	398 (353)	204 (181)	11.8 (10.4)	3.5 (3.1)
29	165 (164)	85 (84)	4.7 (4.7)	1.3 (1.3)	206 (257)	106 (132)	6.1 (7.6)	1.8 (2.3)
30	166 (188)	85 (96)	4.8 (5.4)	1.4 (1.5)	277 (243)	142 (125)	8.2 (7.2)	2.5 (2.2)
Mean	351	180	10.1	2.9	499	256	14.7	4.6
n	22	22	22	22	22	22	22	22
SD	145	74	4.1	1.2	198	102	5.8	1.9
Min	110	56	3.1	0.9	206	106	6.1	1.8
Max	644	330	18.4	5.2	926	475	27.3	8.6

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for December, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1					410 (405)	210 (208)	12.1 (12.0)	3.6 (3.6)
2					570 (358)	292 (184)	16.8 (10.6)	5.1 (3.2)
3					410 (342)	210 (175)	12.1 (10.1)	3.7 (3.1)
4					391 (349)	201 (179)	11.6 (10.3)	3.5 (3.1)
5					249 (200)	128 (102)	7.4 (5.9)	2.2 (1.8)
6					240 (253)	123 (130)	7.1 (7.5)	2.2 (2.3)
7					194 (175)	100 (90)	5.7 (5.2)	1.7 (1.6)
8					326 (352)	167 (181)	9.6 (10.4)	2.9 (3.2)
9					417 (237)	214 (121)	12.3 (7.0)	3.8 (2.1)
10					297 (336)	152 (173)	8.8 (10.0)	2.7 (3.0)
11					263 (213)	135 (109)	7.8 (6.3)	2.4 (1.9)
12					256 (204)	131 (105)	7.6 (6.0)	2.3 (1.8)
13					227 (204)	117 (105)	6.7 (6.0)	2.1 (1.8)
14					212 (247)	109 (127)	6.3 (7.3)	1.9 (2.2)
15					219 (205)	112 (105)	6.5 (6.1)	2.0 (1.9)
16					215 (227)	110 (116)	6.4 (6.7)	2.0 (2.1)
17					140 (227)	72 (117)	4.1 (6.7)	1.3 (2.1)
18					267 (348)	137 (178)	7.9 (10.3)	2.4 (3.2)
19	381 (457)	195 (234)	11.0 (13.2)	3.2 (3.8)	351 (349)	180 (179)	10.4 (10.3)	3.2 (3.2)
20	289 (215)	148 (110)	8.3 (6.2)	2.4 (1.8)	221 (160)	114 (82)	6.6 (4.7)	2.0 (1.5)
21	237 (213)	122 (109)	6.8 (6.1)	2.0 (1.8)	200 (172)	102 (88)	5.9 (5.1)	1.8 (1.6)
22	282 (237)	145 (122)	8.1 (6.8)	2.4 (2.0)	182 (181)	93 (93)	5.4 (5.4)	1.7 (1.7)
23	167 (198)	86 (102)	4.8 (5.7)	1.4 (1.6)	157 (161)	81 (82)	4.7 (4.8)	1.4 (1.5)
24	177 (252)	91 (129)	5.1 (7.3)	1.5 (2.1)	172 (188)	88 (97)	5.1 (5.6)	1.6 (1.7)
25	205 (227)	105 (117)	5.9 (6.6)	1.7 (1.9)	164 (180)	84 (92)	4.9 (5.3)	1.5 (1.6)
26	161 (172)	83 (88)	4.7 (5.0)	1.3 (1.4)	122 (140)	62 (72)	3.6 (4.2)	1.1 (1.3)
27	107 (219)	55 (112)	3.1 (6.3)	0.9 (1.8)	143 (472)	74 (242)	4.3 (14.0)	1.3 (4.3)
28	78 (339)	40 (174)	2.3 (9.8)	0.7 (2.8)	49 (373)	25 (191)	1.4 (11.0)	0.4 (3.4)
29	171 (238)	88 (122)	4.9 (6.9)	1.4 (2.0)	88 (269)	45 (138)	2.6 (8.0)	0.8 (2.5)
30	312 (462)	160 (237)	9.0 (13.3)	2.6 (3.8)	232 (318)	119 (163)	6.9 (9.4)	2.1 (2.9)
31	374 (346)	192 (177)	10.8 (10.0)	3.1 (2.9)				
Mean	226	116	6.5	1.9	246	126	7.3	2.2
n	13	13	13	13	30	30	30	30
SD	92	47	2.7	0.8	110	57	3.3	1.0
Min	78	40	2.3	0.7	49	25	1.4	0.4
Max	381	195	11.0	3.2	570	292	16.8	5.1

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for January, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	331 (317)	170 (163)	9.6 (9.2)	2.8 (2.7)	229 (201)	117 (103)	6.8 (6.0)	2.1 (1.8)
2	290 (210)	149 (108)	8.4 (6.1)	2.4 (1.8)	189 (139)	97 (72)	5.6 (4.1)	1.7 (1.3)
3	243 (177)	124 (91)	7.0 (5.1)	2.0 (1.5)	166 (135)	85 (70)	4.9 (4.0)	1.5 (1.2)
4	222 (309)	114 (158)	6.4 (8.9)	1.9 (2.6)	111 (170)	57 (87)	3.3 (5.0)	1.0 (1.6)
5	213 (164)	109 (84)	6.2 (4.7)	1.8 (1.4)	146 (116)	75 (60)	4.3 (3.5)	1.3 (1.1)
6	207 (156)	106 (80)	6.0 (4.5)	1.7 (1.3)	150 (169)	77 (87)	4.5 (5.0)	1.4 (1.5)
7	164 (211)	84 (108)	4.7 (6.1)	1.4 (1.8)	77 (184)	40 (95)	2.3 (5.5)	0.7 (1.7)
8	230 (210)	118 (108)	6.7 (6.1)	1.9 (1.8)	153 (135)	79 (69)	4.6 (4.0)	1.4 (1.2)
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29	668 (401)	342 (206)	19.4 (11.6)	5.9 (3.5)	366 (267)	188 (137)	10.9 (7.9)	3.5 (2.5)
30	515 (316)	264 (162)	15.0 (9.2)	4.5 (2.8)	282 (218)	145 (112)	8.4 (6.5)	2.7 (2.1)
31	484 (314)	248 (161)	14.1 (9.1)	4.3 (2.8)	242 (209)	124 (107)	7.2 (6.2)	2.3 (2.0)
Mean	324	166	9.4	2.8	192	99	5.7	1.8
n	11	11	11	11	11	11	11	11
SD	153	79	4.5	1.4	79	40	2.3	0.8
Min	164	84	4.7	1.4	77	40	2.3	0.7
Max	668	342	19.4	5.9	366	188	10.9	3.5

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for February, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	583 (499)	299 (256)	17.0 (14.5)	5.2 (4.4)	277 (252)	142 (129)	8.2 (7.5)	2.6 (2.4)
2	400 (267)	205 (137)	11.6 (7.8)	3.6 (2.4)	212 (180)	109 (92)	6.3 (5.4)	2.0 (1.7)
3	523 (474)	268 (243)	15.2 (13.8)	4.7 (4.2)	202 (199)	104 (102)	6.0 (5.9)	1.9 (1.9)
4	814 (883)	417 (453)	23.7 (25.7)	7.3 (7.9)	206 (204)	105 (104)	6.1 (6.1)	1.9 (1.9)
5	473 (376)	243 (193)	13.8 (11.0)	4.3 (3.4)	183 (168)	94 (86)	5.5 (5.0)	1.7 (1.6)
6	389 (284)	200 (146)	11.3 (8.3)	3.5 (2.6)	158 (161)	81 (83)	4.7 (4.8)	1.5 (1.5)
7	315 (274)	162 (140)	9.2 (8.0)	2.9 (2.5)	164 (172)	84 (88)	4.9 (5.1)	1.5 (1.6)
8	333 (273)	171 (140)	9.7 (8.0)	3.0 (2.5)	146 (190)	75 (97)	4.4 (5.7)	1.4 (1.8)
9	311 (301)	159 (155)	9.1 (8.8)	2.8 (2.7)	118 (148)	61 (76)	3.5 (4.4)	1.1 (1.4)
10					521 (1490)	267 (762)	15.5 (44.3)	4.9 (13.9)
11	1950 (4260)	1000 (2190)	57.0 (124.0)	17.7 (38.6)	2810 (6080)	1440 (3120)	83.9 (181.0)	26.3 (56.8)
12	1250 (2910)	639 (1490)	36.4 (84.8)	11.3 (26.3)	923 (2360)	474 (1210)	27.5 (70.5)	8.6 (22.1)
13	538 (356)	276 (182)	15.7 (10.4)	4.9 (3.2)	307 (278)	157 (143)	9.2 (8.3)	2.9 (2.6)
14	537 (308)	276 (158)	15.7 (9.0)	4.9 (2.8)	310 (218)	159 (112)	9.3 (6.5)	2.9 (2.0)
15	633 (682)	325 (350)	18.5 (19.9)	5.7 (6.2)	305 (332)	157 (170)	9.1 (9.9)	2.8 (3.1)
16	554 (351)	284 (180)	16.2 (10.3)	5.0 (3.2)	266 (192)	136 (98)	7.9 (5.7)	2.5 (1.8)
17	428 (256)	219 (131)	12.5 (7.5)	3.9 (2.3)	204 (147)	105 (75)	6.1 (4.4)	1.9 (1.4)
18	608 (543)	312 (278)	17.8 (15.9)	5.5 (4.9)	244 (215)	125 (110)	7.3 (6.4)	2.3 (2.0)
19	538 (409)	276 (210)	15.7 (12.0)	4.8 (3.7)	214 (190)	109 (97)	6.4 (5.7)	2.0 (1.8)
20	529 (479)	271 (245)	15.5 (14.0)	4.8 (4.3)	211 (178)	108 (91)	6.3 (5.3)	2.0 (1.7)
21	443 (371)	227 (190)	13.0 (10.8)	4.0 (3.3)	199 (162)	102 (83)	5.9 (4.8)	1.9 (1.5)
22	517 (460)	265 (236)	15.1 (13.5)	4.6 (4.1)	226 (193)	116 (99)	6.8 (5.8)	2.1 (1.8)
23	412 (317)	211 (163)	12.1 (9.3)	3.7 (2.8)	185 (150)	95 (77)	5.5 (4.5)	1.7 (1.4)
24	519 (407)	266 (209)	15.2 (11.9)	4.7 (3.7)	197 (173)	101 (89)	5.9 (5.2)	1.8 (1.6)
25	667 (951)	342 (488)	19.6 (27.9)	6.0 (8.5)	205 (218)	105 (112)	6.1 (6.5)	1.9 (2.0)
26	609 (539)	312 (276)	17.8 (15.8)	5.5 (4.8)	258 (243)	133 (125)	7.7 (7.3)	2.4 (2.3)
27	387 (348)	198 (179)	11.4 (10.2)	3.5 (3.1)	213 (264)	109 (135)	6.4 (7.9)	2.0 (2.5)
28	468 (514)	240 (263)	13.7 (15.1)	4.2 (4.6)	210 (191)	108 (98)	6.3 (5.7)	2.0 (1.8)
Mean	582	299	17.0	5.2	346	177	10.3	3.2
n	27	27	27	27	28	28	28	28
SD	323	166	9.4	2.9	497	255	14.8	4.6
Min	311	159	9.1	2.8	118	61	3.5	1.1
Max	1950	1000	57.0	17.7	2810	1440	83.9	26.3

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for March, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	363 (359)	186 (184)	10.6 (10.5)	3.2 (3.2)	161 (210)	83 (107)	4.8 (6.3)	1.5 (2.0)
2	403 (348)	206 (179)	11.8 (10.2)	3.6 (3.1)	188 (187)	97 (96)	5.6 (5.6)	1.8 (1.7)
3	339 (311)	174 (160)	10.0 (9.1)	3.0 (2.8)	227 (210)	117 (108)	6.8 (6.3)	2.1 (2.0)
4	302 (419)	155 (215)	8.9 (12.3)	2.7 (3.7)	157 (260)	81 (133)	4.7 (7.8)	1.5 (2.4)
5	550 (899)	282 (461)	16.2 (26.4)	4.9 (8.0)	297 (547)	152 (280)	8.9 (16.4)	2.8 (5.1)
6	739 (471)	379 (242)	21.7 (13.8)	6.6 (4.2)	349 (255)	179 (131)	10.4 (7.6)	3.2 (2.4)
7	674 (478)	346 (245)	19.8 (14.0)	6.0 (4.2)	289 (228)	148 (117)	8.7 (6.8)	2.7 (2.1)
8	764 (842)	392 (432)	22.5 (24.8)	6.8 (7.5)	231 (366)	119 (188)	6.9 (11.0)	2.1 (3.4)
9	522 (437)	268 (224)	15.4 (12.8)	4.6 (3.9)	197 (223)	101 (114)	5.9 (6.7)	1.8 (2.1)
10	529 (387)	271 (198)	15.6 (11.4)	4.7 (3.4)	159 (187)	81 (96)	4.8 (5.6)	1.5 (1.7)
11	690 (761)	354 (391)	20.3 (22.4)	6.1 (6.7)	213 (425)	109 (218)	6.4 (12.7)	2.0 (3.9)
12	860 (543)	441 (279)	25.3 (16.0)	7.6 (4.8)	369 (318)	189 (163)	11.1 (9.5)	3.4 (2.9)
13	816 (589)	419 (302)	24.0 (17.4)	7.2 (5.2)	293 (289)	150 (148)	8.8 (8.7)	2.7 (2.7)
14	715 (496)	367 (254)	21.1 (14.6)	6.3 (4.4)	268 (245)	137 (126)	8.0 (7.3)	2.5 (2.3)
15	710 (718)	364 (368)	20.9 (21.2)	6.3 (6.4)	169 (323)	87 (166)	5.1 (9.7)	1.6 (3.0)
16	903 (728)	463 (373)	26.6 (21.5)	8.0 (6.5)	239 (246)	123 (126)	7.2 (7.4)	2.2 (2.3)
17	734 (588)	376 (301)	21.6 (17.3)	6.5 (5.2)	193 (327)	99 (168)	5.8 (9.8)	1.8 (3.0)
18								
19	1100 (1090)	565 (560)	32.5 (32.2)	9.8 (9.7)				
20	1180 (813)	606 (417)	34.9 (24.0)	10.6 (7.3)				
21	935 (585)	479 (300)	27.6 (17.3)	8.4 (5.2)				
22	688 (653)	353 (335)	20.3 (19.3)	6.2 (5.8)				
23	542 (331)	278 (170)	16.0 (9.8)	4.8 (3.0)				
24	658 (496)	338 (254)	19.5 (14.6)	5.9 (4.4)				
25	869 (711)	446 (365)	25.7 (21.0)	7.8 (6.3)				
26	840 (559)	431 (287)	24.8 (16.5)	7.5 (5.0)				
27	1050 (1760)	538 (901)	31.0 (52.0)	9.4 (15.7)				
28	894 (659)	458 (338)	26.4 (19.5)	8.0 (5.9)				
29	811 (656)	416 (336)	24.0 (19.4)	7.2 (5.8)				
30	759 (691)	389 (355)	22.5 (20.5)	6.7 (6.1)				
31	1240 (885)	637 (454)	36.8 (26.2)	11.0 (7.8)	436 (313)	223 (160)	13.1 (9.4)	4.0 (2.8)
Mean	739	379	21.8	6.6	246	126	7.4	2.3
n	30	30	30	30	18	18	18	18
SD	232	119	6.9	2.1	77	40	2.3	0.7
Min	302	155	8.9	2.7	157	81	4.7	1.5
Max	1240	637	36.8	11.0	436	223	13.1	4.0

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for April, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	1260 (978)	647 (501)	37.4 (29.0)	11.2 (8.7)	472 (357)	242 (183)	14.2 (10.7)	4.3 (3.2)
2	980 (633)	503 (324)	29.0 (18.7)	8.7 (5.6)	343 (234)	176 (120)	10.3 (7.0)	3.1 (2.1)
3	788 (493)	404 (253)	23.4 (14.6)	7.0 (4.4)	248 (195)	127 (100)	7.5 (5.9)	2.3 (1.8)
4	813 (547)	417 (281)	24.1 (16.2)	7.2 (4.8)	193 (180)	99 (92)	5.8 (5.4)	1.8 (1.6)
5	875 (634)	449 (325)	26.0 (18.8)	7.7 (5.6)	231 (225)	119 (115)	7.0 (6.8)	2.1 (2.1)
6	1010 (926)	517 (475)	29.9 (27.5)	8.9 (8.2)	319 (454)	164 (233)	9.6 (13.7)	2.9 (4.1)
7	858 (626)	440 (321)	25.5 (18.6)	7.6 (5.5)	258 (221)	132 (113)	7.8 (6.7)	2.4 (2.0)
8	727 (619)	373 (318)	21.6 (18.4)	6.4 (5.5)	197 (171)	101 (88)	5.9 (5.2)	1.8 (1.6)
9	641 (450)	328 (231)	19.0 (13.4)	5.6 (4.0)	252 (248)	129 (127)	7.6 (7.5)	2.3 (2.3)
10	568 (396)	291 (203)	16.9 (11.8)	5.0 (3.5)	240 (213)	123 (109)	7.2 (6.4)	2.2 (1.9)
11	623 (456)	319 (234)	18.5 (13.6)	5.5 (4.0)	233 (231)	119 (119)	7.0 (7.0)	2.1 (2.1)
12	778 (618)	399 (317)	23.1 (18.4)	6.9 (5.5)	221 (208)	113 (107)	6.7 (6.3)	2.0 (1.9)
13	717 (634)	368 (325)	21.3 (18.9)	6.4 (5.6)	176 (178)	90 (91)	5.3 (5.4)	1.6 (1.6)
14								
15								
16								
17								
18								
19								
20								
21								
22								
23	1130 (1150)	582 (592)	33.9 (34.5)	10.1 (10.3)	664 (633)	340 (325)	20.0 (19.1)	6.1 (5.8)
24	696 (501)	357 (257)	20.8 (15.0)	6.2 (4.5)	402 (361)	206 (185)	12.1 (10.9)	3.7 (3.3)
25	605 (500)	310 (256)	18.1 (14.9)	5.4 (4.5)	343 (376)	176 (193)	10.4 (11.4)	3.1 (3.4)
26	638 (643)	327 (330)	19.1 (19.2)	5.7 (5.7)	343 (365)	176 (187)	10.4 (11.0)	3.1 (3.3)
27	580 (474)	297 (243)	17.3 (14.2)	5.2 (4.2)	296 (274)	152 (141)	9.0 (8.3)	2.7 (2.5)
28	503 (464)	258 (238)	15.0 (13.9)	4.5 (4.1)	270 (249)	138 (128)	8.2 (7.5)	2.5 (2.3)
29	622 (575)	319 (295)	18.6 (17.2)	5.5 (5.1)	284 (305)	145 (156)	8.6 (9.2)	2.6 (2.8)
30	679 (744)	348 (381)	20.3 (22.3)	6.0 (6.6)	269 (326)	138 (167)	8.2 (9.9)	2.5 (3.0)
Mean	766	393	22.8	6.8	298	153	9.0	2.7
n	21	21	21	21	21	21	21	21
SD	191	98	5.6	1.7	108	55	3.3	1.0
Min	503	258	15.0	4.5	176	90	5.3	1.6
Max	1260	647	37.4	11.2	664	340	20.0	6.1

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for May, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	756 (976)	388 (501)	22.7 (29.2)	6.7 (8.7)	331 (422)	170 (216)	10.0 (12.8)	3.0 (3.9)
2	459 (677)	235 (347)	13.8 (20.3)	4.1 (6.1)	145 (448)	75 (230)	4.4 (13.5)	1.3 (4.1)
3	518 (654)	265 (335)	15.5 (19.6)	4.8 (6.0)	217 (298)	111 (153)	6.6 (9.0)	2.0 (2.7)
4	546 (621)	280 (319)	16.4 (18.6)	5.1 (5.9)	263 (366)	135 (188)	8.0 (11.1)	2.4 (3.3)
5	584 (759)	300 (389)	17.5 (22.8)	5.6 (7.3)	244 (321)	125 (165)	7.4 (9.7)	2.2 (2.9)
6	808 (1090)	414 (561)	24.3 (32.8)	8.0 (10.8)	330 (618)	169 (317)	10.0 (18.7)	3.0 (5.6)
7	660 (586)	339 (301)	19.8 (17.6)	6.7 (6.0)	615 (816)	315 (419)	18.6 (24.7)	5.6 (7.4)
8	1260 (1150)	648 (589)	38.0 (34.5)	13.2 (12.0)	701 (517)	359 (265)	21.2 (15.7)	6.4 (4.7)
9	1050 (889)	540 (456)	31.7 (26.7)	11.2 (9.4)	625 (555)	320 (285)	18.9 (16.8)	5.7 (5.1)
10	1360 (1390)	698 (712)	41.0 (41.7)	14.4 (14.7)	786 (856)	403 (439)	23.8 (25.9)	7.2 (7.8)
11	1020 (1060)	523 (545)	30.7 (32.0)	10.8 (11.3)	590 (591)	302 (303)	17.9 (17.9)	5.4 (5.4)
12	660 (636)	338 (326)	19.9 (19.1)	7.0 (6.7)	414 (313)	212 (161)	12.6 (9.5)	3.8 (2.9)
13	765 (759)	392 (389)	23.0 (22.8)	8.1 (8.0)	441 (421)	226 (216)	13.4 (12.8)	4.0 (3.9)
14	1050 (1080)	540 (553)	31.7 (32.5)	11.2 (11.4)	930 (1140)	477 (585)	28.2 (34.6)	8.5 (10.5)
15	1600 (1320)	819 (679)	48.1 (39.9)	16.9 (14.0)	1260 (1190)	646 (610)	38.2 (36.0)	11.6 (10.9)
16	2110 (1770)	1080 (910)	63.7 (53.5)	22.6 (19.0)	1540 (1390)	788 (715)	46.6 (42.3)	14.1 (12.8)
17	2480 (2260)	1270 (1160)	74.9 (68.2)	27.0 (24.7)	1990 (2000)	1020 (1030)	60.4 (60.7)	18.3 (18.4)
18	2360 (2300)	1210 (1180)	71.2 (69.3)	26.1 (25.4)	1360 (1500)	696 (769)	41.2 (45.5)	12.5 (13.8)
19	1460 (1500)	750 (771)	44.2 (45.3)	16.5 (16.9)	855 (992)	439 (509)	25.9 (30.1)	7.9 (9.1)
20	1120 (1430)	577 (733)	33.9 (43.2)	12.9 (16.4)	683 (868)	350 (445)	20.7 (26.3)	6.3 (8.0)
21	1410 (1490)	724 (764)	42.6 (45.0)	16.5 (17.4)	997 (1210)	511 (623)	30.2 (36.8)	9.2 (11.2)
22	1580 (1610)	812 (826)	47.8 (48.6)	18.8 (19.2)	937 (1060)	481 (545)	28.4 (32.2)	8.7 (9.8)
23	1150 (1100)	591 (563)	34.8 (33.2)	13.8 (13.1)	623 (698)	320 (358)	18.9 (21.2)	5.8 (6.5)
24	1060 (888)	541 (455)	31.9 (26.8)	12.5 (10.6)	491 (459)	252 (236)	14.9 (13.9)	4.5 (4.2)
25	1070 (1070)	549 (549)	32.3 (32.3)	12.7 (12.6)	609 (1000)	312 (515)	18.5 (30.5)	5.6 (9.3)
26	2030 (1970)	1040 (1010)	61.3 (59.7)	23.9 (23.2)	1010 (1280)	518 (655)	30.7 (38.7)	9.3 (11.7)
27	2440 (2270)	1250 (1160)	73.6 (68.7)	28.5 (26.6)	1300 (1580)	668 (811)	39.5 (48.0)	12.0 (14.5)
28	2860 (2970)	1460 (1520)	86.4 (89.8)	33.2 (34.6)	1480 (1720)	759 (880)	44.9 (52.1)	13.6 (15.7)
29	1590 (1860)	815 (953)	48.1 (56.2)	18.4 (21.5)	734 (1060)	376 (542)	22.3 (32.1)	6.7 (9.7)
30	1530 (1920)	786 (983)	46.4 (58.0)	17.7 (22.1)	503 (717)	258 (368)	15.3 (21.8)	4.6 (6.6)
31	1630 (2480)	838 (1270)	49.5 (75.1)	18.8 (28.5)	575 (957)	295 (491)	17.5 (29.1)	5.3 (8.8)
Mean	1320	678	39.9	14.6	761	390	23.1	7.0
n	31	31	31	31	31	31	31	31
SD	630	323	19.1	7.5	432	222	13.1	4.0
Min	459	235	13.8	4.1	145	75	4.4	1.3
Max	2860	1460	86.4	33.2	1990	1020	60.4	18.3

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for June, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	1260 (1280)	644 (658)	38.0 (38.9)	14.4 (14.7)	416 (505)	213 (259)	12.6 (15.3)	3.8 (4.7)
2	1490 (1360)	765 (696)	45.2 (41.1)	17.0 (15.4)	367 (437)	188 (224)	11.2 (13.3)	3.4 (4.1)
3	2100 (1550)	1080 (795)	63.5 (46.9)	23.8 (17.6)	945 (1240)	485 (638)	28.7 (37.8)	8.8 (11.6)
4	2040 (1060)	1050 (545)	61.8 (32.2)	23.1 (12.0)	766 (526)	393 (270)	23.3 (16.0)	7.2 (4.9)
5	1880 (948)	963 (486)	56.9 (28.7)	21.1 (10.7)	545 (352)	279 (181)	16.6 (10.7)	5.1 (3.3)
6	2260 (1500)	1160 (771)	68.5 (45.5)	25.2 (16.7)	507 (366)	260 (188)	15.4 (11.1)	4.8 (3.4)
7	2390 (1420)	1230 (728)	72.5 (43.0)	26.3 (15.6)	582 (483)	298 (248)	17.7 (14.7)	5.5 (4.5)
8	2440 (1580)	1250 (810)	73.9 (47.8)	26.4 (17.1)	558 (473)	286 (243)	17.0 (14.4)	5.2 (4.4)
9	2660 (1950)	1370 (1000)	80.7 (59.0)	28.5 (20.8)	891 (1010)	457 (520)	27.1 (30.8)	8.3 (9.5)
10	3130 (1680)	1600 (863)	94.7 (51.0)	33.0 (17.8)	727 (478)	373 (245)	22.1 (14.5)	6.8 (4.5)
11	3090 (1420)	1590 (729)	93.7 (43.1)	32.3 (14.8)	544 (334)	279 (171)	16.5 (10.2)	5.1 (3.1)
12	2930 (1410)	1500 (722)	88.6 (42.7)	30.1 (14.5)	488 (345)	250 (177)	14.8 (10.5)	4.6 (3.2)
13	3290 (1590)	1690 (817)	99.8 (48.3)	33.7 (16.3)	469 (328)	241 (168)	14.3 (10.0)	4.4 (3.1)
14	2820 (1670)	1450 (857)	85.4 (50.6)	28.8 (17.1)	446 (375)	229 (192)	13.6 (11.4)	4.2 (3.5)
15	2310 (1220)	1180 (623)	70.0 (36.8)	23.5 (12.4)	342 (275)	175 (141)	10.4 (8.4)	3.2 (2.6)
16	1550 (1680)	792 (860)	46.8 (50.9)	15.7 (17.1)	601 (748)	308 (384)	18.3 (22.8)	5.6 (7.0)
17	692 (1340)	355 (689)	21.0 (40.8)	7.0 (13.6)	805 (832)	413 (427)	24.5 (25.4)	7.5 (7.8)
18	2710 (4450)	1390 (2280)	82.2 (135.0)	27.5 (45.1)	1720 (1960)	882 (1010)	52.4 (59.9)	16.1 (18.4)
19	6060 (3760)	3110 (1930)	184.0 (114.0)	61.3 (38.0)	1850 (1530)	947 (787)	56.3 (46.8)	17.3 (14.3)
20	3650 (2260)	1870 (1160)	111.0 (68.6)	37.0 (22.9)	1150 (1140)	590 (585)	35.1 (34.8)	10.8 (10.7)
21	3710 (2150)	1900 (1100)	113.0 (65.2)	37.6 (21.8)	643 (462)	330 (237)	19.6 (14.1)	6.0 (4.3)
22	4200 (2890)	2150 (1480)	127.0 (87.6)	42.7 (29.3)	1120 (1170)	572 (602)	34.0 (35.8)	10.4 (11.0)
23	4700 (3160)	2410 (1620)	143.0 (95.9)	47.9 (32.2)	1820 (1790)	934 (916)	55.6 (54.5)	17.0 (16.7)
24	4390 (3150)	2250 (1610)	133.0 (95.5)	44.8 (32.1)	1850 (1800)	947 (924)	56.4 (55.0)	17.3 (16.9)
25	2290 (2110)	1170 (1080)	69.5 (64.0)	23.4 (21.6)	1330 (1490)	680 (766)	40.5 (45.6)	12.4 (14.0)
26	1170 (1760)	599 (901)	35.5 (53.3)	12.0 (18.0)	1270 (1380)	652 (709)	38.8 (42.2)	11.9 (12.9)
27	967 (1780)	496 (910)	29.3 (53.9)	9.9 (18.1)	1830 (1850)	936 (948)	55.8 (56.4)	17.1 (17.3)
28	612 (1790)	314 (919)	18.6 (54.4)	6.2 (18.0)	2220 (2340)	1140 (1200)	67.7 (71.6)	20.7 (21.9)
29	3800 (5750)	1950 (2950)	115.0 (175.0)	37.8 (57.2)	2640 (3180)	1350 (1630)	80.6 (97.1)	24.7 (29.7)
30	5170 (3340)	2650 (1710)	157.0 (101.0)	51.0 (32.8)	2270 (1840)	1170 (945)	69.5 (56.3)	21.3 (17.2)
Mean	2730	1400	82.6	28.3	1060	542	32.2	9.9
n	30	30	30	30	30	30	30	30
SD	1310	670	39.6	12.9	652	334	19.9	6.1
Min	612	314	18.6	6.2	342	175	10.4	3.2
Max	6060	3110	184.0	61.3	2640	1350	80.6	24.7

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for July, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	5100 (3340)	2620 (1710)	155.0 (101.0)	49.7 (32.5)	1870 (1630)	958 (836)	57.1 (49.8)	17.4 (15.2)
2	4850 (3600)	2490 (1840)	147.0 (109.0)	46.7 (34.7)	2010 (2050)	1030 (1050)	61.4 (62.8)	18.7 (19.2)
3	4480 (3130)	2300 (1610)	136.0 (95.1)	42.7 (29.8)	1750 (1660)	899 (852)	53.6 (50.8)	16.3 (15.5)
4	3970 (2870)	2030 (1470)	121.0 (87.3)	37.5 (27.1)	1360 (1320)	700 (676)	41.7 (40.3)	12.7 (12.3)
5	3760 (2780)	1930 (1430)	114.0 (84.6)	35.2 (26.0)	1190 (1280)	610 (657)	36.4 (39.2)	11.1 (12.0)
6	2870 (2540)	1470 (1300)	87.2 (77.1)	26.6 (23.5)	1020 (1140)	521 (583)	31.1 (34.8)	9.5 (10.6)
7	2840 (2490)	1450 (1280)	86.2 (75.7)	26.0 (22.9)	1270 (1390)	653 (714)	39.0 (42.6)	12.0 (13.1)
8	2830 (2540)	1450 (1300)	85.9 (77.1)	25.7 (23.0)	1260 (1260)	645 (646)	38.5 (38.6)	11.8 (11.9)
9								
10								
11					1360 (1130)	699 (581)	41.7 (34.7)	12.9 (10.7)
12					1390 (1200)	715 (613)	42.7 (36.6)	13.1 (11.2)
13					1600 (1550)	820 (794)	49.0 (47.5)	15.0 (14.5)
14					1810 (1800)	926 (922)	55.4 (55.1)	16.9 (16.8)
15					1950 (1930)	1000 (991)	59.9 (59.2)	18.2 (18.0)
16					2340 (2530)	1200 (1300)	71.7 (77.5)	21.7 (23.5)
17					2380 (2030)	1220 (1040)	73.1 (62.2)	22.1 (18.8)
18					2410 (2150)	1230 (1100)	73.9 (65.9)	22.2 (19.8)
19					2330 (2110)	1200 (1080)	71.6 (64.7)	21.5 (19.4)
20					1900 (1940)	974 (996)	58.3 (59.6)	17.4 (17.8)
21					1580 (2220)	812 (1140)	48.6 (68.3)	14.5 (20.4)
22					1530 (1800)	785 (922)	47.0 (55.2)	14.0 (16.4)
23					1540 (1650)	791 (844)	47.4 (50.5)	14.1 (15.0)
24					1250 (1470)	639 (755)	38.2 (45.2)	11.3 (13.4)
25					1230 (1530)	631 (786)	37.8 (47.1)	11.2 (13.9)
26					1770 (1980)	907 (1020)	54.3 (60.9)	16.1 (18.0)
27					1990 (2120)	1020 (1080)	61.2 (65.0)	18.1 (19.2)
28					1580 (1850)	808 (949)	48.4 (56.9)	14.3 (16.8)
29								
30								
31								
Mean	3840	1970	117.0	36.3	1680	861	51.5	15.5
n	8	8	8	8	26	26	26	26
SD	867	444	26.3	9.0	394	202	12.1	3.6
Min	2830	1450	85.9	25.7	1020	521	31.1	9.5
Max	5100	2620	155.0	49.7	2410	1230	73.9	22.2

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for August, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	1110 (1170)	568 (601)	33.8 (35.8)	9.6 (10.2)	1160 (1220)	597 (627)	35.9 (37.7)	10.7 (11.2)
13	1130 (1250)	578 (641)	34.5 (38.2)	9.8 (10.9)	1090 (1250)	558 (639)	33.6 (38.4)	10.0 (11.4)
14	518 (741)	265 (380)	15.8 (22.6)	4.5 (6.5)	496 (707)	254 (362)	15.3 (21.8)	4.6 (6.5)
15	713 (1020)	365 (522)	21.8 (31.1)	6.2 (8.9)	752 (1000)	386 (515)	23.2 (31.0)	6.9 (9.2)
16	788 (1160)	404 (593)	24.1 (35.3)	6.9 (10.1)	749 (1020)	384 (522)	23.1 (31.4)	6.9 (9.3)
17	859 (1200)	441 (615)	26.3 (36.7)	7.5 (10.4)	848 (1140)	435 (585)	26.2 (35.2)	7.8 (10.4)
18	857 (1230)	439 (631)	26.2 (37.6)	7.4 (10.7)	911 (1190)	467 (610)	28.1 (36.7)	8.3 (10.9)
19	774 (1110)	397 (569)	23.7 (33.9)	6.7 (9.6)	934 (1370)	479 (704)	28.8 (42.4)	8.5 (12.5)
20	2610 (6810)	1340 (3490)	79.8 (208.0)	22.6 (59.0)	574 (788)	295 (404)	17.7 (24.3)	5.2 (7.2)
21								
22								
23	2190 (1770)	1120 (906)	67.1 (54.1)	19.0 (15.3)	1500 (1250)	768 (643)	46.3 (38.7)	13.6 (11.4)
24	827 (1480)	424 (758)	25.3 (45.3)	7.2 (12.9)				
25	2050 (2120)	1050 (1090)	62.7 (65.0)	17.9 (18.5)	1700 (2360)	871 (1210)	52.5 (72.8)	15.5 (21.5)
26	1860 (1860)	956 (956)	57.1 (57.1)	16.3 (16.3)	1610 (2110)	828 (1080)	49.9 (65.3)	14.7 (19.3)
27	2320 (2410)	1190 (1240)	71.0 (73.9)	20.3 (21.2)	2080 (3180)	1070 (1630)	64.3 (98.4)	19.0 (29.1)
28	2170 (2340)	1120 (1200)	66.6 (71.6)	19.1 (20.6)	1700 (2680)	873 (1370)	52.7 (82.8)	15.6 (24.5)
29	1900 (2320)	974 (1190)	58.2 (71.0)	16.7 (20.4)	1890 (2780)	970 (1420)	58.5 (85.9)	17.3 (25.4)
30	1980 (2460)	1020 (1260)	60.8 (75.5)	17.5 (21.7)				
31	2030 (2160)	1040 (1110)	62.1 (66.3)	17.9 (19.1)				
Mean	1480	760	45.4	13.0	1200	615	37.1	11.0
n	18	18	18	18	15	15	15	15
SD	671	344	20.6	5.9	490	251	15.2	4.5
Min	518	265	15.8	4.5	496	254	15.3	4.6
Max	2610	1340	79.8	22.6	2080	1070	64.3	19.0

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for September, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	2130 (1830)	1090 (938)	65.5 (56.2)	18.9 (16.2)	1540 (1360)	788 (698)	47.6 (42.1)	14.0 (12.4)
2	2610 (2190)	1340 (1120)	80.0 (67.3)	23.1 (19.4)	2330 (1850)	1200 (950)	72.2 (57.4)	21.3 (16.9)
3	2830 (2520)	1450 (1290)	86.9 (77.4)	25.1 (22.3)	2270 (1980)	1170 (1010)	70.5 (61.2)	20.8 (18.0)
4	2440 (2420)	1250 (1240)	74.8 (74.5)	21.6 (21.5)	1780 (1690)	915 (869)	55.3 (52.5)	16.3 (15.5)
5	1660 (1560)	850 (802)	50.9 (48.0)	14.7 (13.9)	1220 (1120)	627 (575)	38.0 (34.8)	11.2 (10.3)
6	1340 (1120)	688 (574)	41.2 (34.4)	11.9 (10.0)	913 (747)	468 (383)	28.3 (23.2)	8.4 (6.9)
7	1450 (1600)	742 (821)	44.4 (49.2)	12.9 (14.3)	1050 (1170)	540 (599)	32.7 (36.2)	9.7 (10.8)
8	1420 (1760)	730 (904)	43.8 (54.2)	12.7 (15.8)	1060 (1490)	545 (762)	33.0 (46.1)	9.8 (13.7)
9	1990 (2230)	1020 (1150)	61.1 (68.7)	17.8 (20.0)	1360 (1560)	698 (800)	42.3 (48.4)	12.6 (14.5)
10	2280 (2990)	1170 (1530)	70.2 (92.0)	20.5 (26.8)	1760 (2370)	905 (1210)	54.8 (73.6)	16.4 (22.0)
11	2650 (2790)	1360 (1430)	81.5 (85.7)	23.8 (25.0)	2170 (2430)	1110 (1240)	67.3 (75.4)	20.2 (22.7)
12	2340 (1940)	1200 (996)	71.9 (59.7)	21.1 (17.5)	1870 (1510)	957 (776)	58.0 (47.0)	17.5 (14.2)
13	1230 (787)	629 (404)	37.7 (24.2)	11.1 (7.1)	918 (627)	471 (321)	28.5 (19.5)	8.6 (5.9)
14	1060 (706)	544 (362)	32.6 (21.7)	9.6 (6.4)	799 (569)	410 (292)	24.8 (17.7)	7.5 (5.3)
15	1100 (1020)	562 (523)	33.7 (31.4)	10.0 (9.3)	850 (869)	436 (446)	26.4 (27.0)	8.0 (8.1)
16	1710 (1650)	875 (847)	52.5 (50.8)	15.5 (15.0)	1140 (1100)	587 (565)	35.6 (34.3)	10.7 (10.3)
17	1650 (1720)	848 (881)	50.9 (52.9)	15.1 (15.7)	1240 (1210)	635 (620)	38.5 (37.6)	11.6 (11.3)
18	1800 (2020)	922 (1030)	55.3 (62.1)	16.4 (18.4)	1290 (1380)	663 (708)	40.2 (43.0)	12.1 (12.9)
19	2040 (2090)	1050 (1070)	62.8 (64.4)	18.7 (19.2)	1430 (1520)	734 (779)	44.5 (47.3)	13.4 (14.2)
20	1880 (1910)	963 (979)	57.9 (58.8)	17.2 (17.5)	1180 (1290)	607 (660)	36.8 (40.0)	11.1 (12.0)
21	1780 (1980)	914 (1010)	54.9 (60.9)	16.3 (18.1)	1170 (1410)	602 (722)	36.5 (43.8)	10.9 (13.1)
22	2020 (2340)	1030 (1200)	62.1 (72.2)	18.4 (21.4)	1410 (2020)	724 (1040)	43.9 (63.0)	13.1 (18.8)
23	1950 (2510)	1000 (1290)	60.1 (77.3)	17.8 (22.9)	1500 (2070)	767 (1060)	46.6 (64.3)	13.9 (19.1)
24	2370 (3040)	1220 (1560)	73.1 (93.7)	21.6 (27.7)	1640 (2260)	839 (1160)	50.9 (70.5)	15.1 (20.9)
25	2620 (2700)	1340 (1380)	80.8 (83.1)	23.9 (24.6)	2270 (2480)	1160 (1270)	70.7 (77.4)	21.0 (22.9)
26	2790 (2520)	1430 (1290)	86.1 (77.6)	25.5 (22.9)	2340 (1980)	1200 (1020)	73.0 (61.7)	21.6 (18.3)
27	2620 (2230)	1340 (1140)	80.8 (68.8)	23.9 (20.3)	2100 (1720)	1080 (882)	65.5 (53.6)	19.4 (15.9)
28	2110 (2040)	1080 (1050)	65.2 (63.0)	19.3 (18.7)	1540 (1400)	792 (716)	48.1 (43.5)	14.3 (12.9)
29	1040 (664)	534 (340)	32.1 (20.5)	9.5 (6.1)	838 (519)	430 (266)	26.1 (16.2)	7.8 (4.8)
30	955 (715)	490 (367)	29.5 (22.1)	8.7 (6.5)	748 (536)	384 (275)	23.3 (16.7)	6.9 (5.0)
Mean	1930	989	59.3	17.4	1460	748	45.3	13.5
n	30	30	30	30	30	30	30	30
SD	551	282	16.9	5.0	490	251	15.2	4.5
Min	955	490	29.5	8.7	748	384	23.3	6.9
Max	2830	1450	86.9	25.5	2340	1200	73.0	21.6

Table E5. Daily means (SD) of PM10 emissions at Site CA2B for October, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	866 (653)	444 (335)	26.7 (20.2)	7.9 (6.0)	862 (866)	442 (444)	26.9 (27.0)	8.0 (8.0)
2	223 (1440)	114 (740)	6.9 (44.5)	2.0 (13.2)	1040 (1550)	533 (797)	32.4 (48.5)	9.6 (14.4)
3	1030 (850)	526 (436)	31.7 (26.2)	9.4 (7.8)	1270 (980)	653 (502)	39.7 (30.6)	11.8 (9.1)
4	974 (950)	500 (487)	30.1 (29.3)	8.9 (8.7)	950 (829)	487 (425)	29.7 (25.9)	8.8 (7.7)
5	822 (569)	422 (292)	25.4 (17.6)	7.5 (5.2)	716 (600)	367 (308)	22.4 (18.8)	6.6 (5.6)
6	1010 (888)	520 (455)	31.4 (27.5)	9.2 (8.1)	884 (743)	453 (381)	27.6 (23.2)	8.2 (6.9)
7	861 (871)	441 (447)	26.6 (26.9)	7.8 (7.9)	765 (911)	392 (467)	23.9 (28.5)	7.0 (8.4)
8	882 (655)	453 (336)	27.3 (20.3)	8.0 (5.9)	701 (838)	360 (430)	22.0 (26.2)	6.5 (7.7)
9	1030 (1060)	528 (543)	31.9 (32.8)	9.3 (9.6)	609 (507)	312 (260)	19.1 (15.9)	5.6 (4.7)
10	786 (563)	403 (289)	24.4 (17.4)	7.1 (5.1)	506 (465)	260 (239)	15.9 (14.6)	4.7 (4.3)
11	862 (725)	442 (372)	26.7 (22.5)	7.8 (6.6)	562 (495)	288 (254)	17.7 (15.6)	5.2 (4.6)
12	675 (585)	346 (300)	20.9 (18.1)	6.1 (5.3)	470 (348)	241 (178)	14.8 (11.0)	4.4 (3.2)
13					455 (382)	233 (196)	14.4 (12.1)	4.2 (3.6)
14					511 (570)	262 (292)	16.2 (18.1)	4.8 (5.3)
15					1240 (2730)	636 (1400)	39.4 (86.8)	11.6 (25.6)
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean	835	428	25.8	7.6	770	395	24.1	7.1
n	12	12	12	12	15	15	15	15
SD	211	108	6.5	1.9	259	133	8.1	2.4
Min	223	114	6.9	2.0	455	233	14.4	4.2
Max	1030	528	31.9	9.4	1270	653	39.7	11.8

Table E6. PM2.5 emissions

Table E6. Daily means (SD) of PM2.5 emissions at Site CA2B for January, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8	-7 (19)	-4 (9)	-0.2 (0.5)	-0.1 (0.2)	-131 (62)	-67 (32)	-3.8 (1.8)	-1.13 (0.53)
9	-1 (23)	0 (12)	0.0 (0.7)	0.0 (0.2)	-71 (60)	-37 (31)	-2.1 (1.7)	-0.62 (0.51)
10	-14 (18)	-7 (9)	-0.4 (0.5)	-0.1 (0.2)	-72 (65)	-37 (33)	-2.1 (1.9)	-0.62 (0.56)
11	-3 (19)	-2 (10)	-0.1 (0.6)	0.0 (0.2)	-53 (48)	-27 (24)	-1.5 (1.4)	-0.46 (0.41)
12	-10 (23)	-5 (12)	-0.3 (0.7)	-0.1 (0.2)	-56 (44)	-29 (22)	-1.6 (1.3)	-0.48 (0.38)
13	-20 (32)	-10 (16)	-0.6 (0.9)	-0.2 (0.3)	-71 (56)	-36 (29)	-2.1 (1.7)	-0.61 (0.49)
14	-5 (19)	-3 (10)	-0.2 (0.6)	-0.1 (0.2)				
15	2 (78)	1 (40)	0.1 (2.3)	0.0 (0.8)				
16	-8 (17)	-4 (9)	-0.2 (0.5)	-0.1 (0.2)	-23 (28)	-12 (14)	-0.7 (0.8)	-0.20 (0.24)
17								
18								
19	-32 (32)	-16 (16)	-0.9 (0.9)	-0.3 (0.4)	-22 (33)	-11 (17)	-0.6 (1.0)	-0.19 (0.29)
20	-26 (41)	-13 (21)	-0.8 (1.2)	-0.3 (0.5)	-13 (54)	-7 (27)	-0.4 (1.6)	-0.11 (0.47)
21	-19 (21)	-10 (11)	-0.6 (0.6)	-0.2 (0.2)	-4 (46)	-2 (23)	-0.1 (1.3)	-0.04 (0.40)
22	-13 (14)	-7 (7)	-0.4 (0.4)	-0.1 (0.2)	-7 (48)	-4 (25)	-0.2 (1.4)	-0.06 (0.42)
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean	-12	-6	-0.4	-0.1	-47	-24	-1.4	-0.4
n	13	13	13	13	11	11	11	11
SD	10	5	0.3	0.1	37	19	1.1	0.3
Min	-32	-16	-0.9	-0.3	-131	-67	-3.8	-1.1
Max	2	1	0.1	0.0	-4	-2	-0.1	0.0

Table E6. Daily means (SD) of PM_{2.5} emissions at Site CA2B for July, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8	1890 (1570)	969 (806)	53.2 (44.2)	18.5 (15.4)	1150 (1140)	588 (586)	35.2 (35.0)	13.10 (13.00)
9	1760 (1660)	903 (852)	49.5 (46.7)	17.3 (16.3)	1130 (1240)	577 (634)	34.5 (37.9)	12.90 (14.10)
10	1640 (1610)	840 (826)	46.1 (45.3)	16.1 (15.8)	977 (1230)	501 (629)	30.0 (37.6)	11.20 (14.00)
11	812 (818)	416 (420)	22.8 (23.0)	8.0 (8.0)	474 (901)	243 (462)	14.5 (27.7)	5.42 (10.30)
12	631 (654)	324 (335)	17.8 (18.4)	6.2 (6.4)	453 (844)	232 (433)	13.9 (25.9)	5.19 (9.67)
13	836 (841)	428 (431)	23.5 (23.7)	8.2 (8.2)	539 (859)	276 (441)	16.5 (26.4)	6.17 (9.85)
14	1050 (1030)	537 (527)	29.5 (28.9)	10.2 (10.0)	911 (1400)	467 (716)	28.0 (42.9)	10.40 (16.00)
15	862 (895)	442 (459)	24.3 (25.2)	8.3 (8.6)	344 (500)	176 (257)	10.6 (15.4)	3.94 (5.74)
16	521 (679)	267 (348)	14.7 (19.1)	5.0 (6.5)	222 (587)	114 (301)	6.8 (18.0)	2.54 (6.73)
17					483 (766)	248 (393)	14.9 (23.5)	5.54 (8.78)
18					389 (706)	200 (362)	12.0 (21.7)	4.47 (8.11)
19					517 (888)	265 (455)	15.9 (27.3)	5.94 (10.20)
20					156 (396)	80 (203)	4.8 (12.2)	1.79 (4.56)
21					108 (314)	55 (161)	3.3 (9.7)	1.24 (3.61)
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean	1110	570	31.3	10.9	560	287	17.2	6.4
n	9	9	9	9	14	14	14	14
SD	485	249	13.6	4.8	332	170	10.2	3.8
Min	521	267	14.7	5.0	108	55	3.3	1.2
Max	1890	969	53.2	18.5	1150	588	35.2	13.1

Table E6. Daily means (SD) of PM_{2.5} emissions at Site CA2B for January, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10	-18 (44)	-9 (23)	-0.5 (1.3)	-0.2 (0.4)	2 (39)	1 (20)	0.1 (1.2)	0.02 (0.35)
11	-17 (32)	-9 (17)	-0.5 (0.9)	-0.2 (0.3)	-2 (17)	-1 (9)	-0.1 (0.5)	-0.02 (0.15)
12	-29 (38)	-15 (19)	-0.8 (1.1)	-0.3 (0.3)	-17 (24)	-9 (12)	-0.5 (0.7)	-0.16 (0.22)
13	-25 (51)	-13 (26)	-0.7 (1.5)	-0.2 (0.4)	-8 (27)	-4 (14)	-0.2 (0.8)	-0.07 (0.25)
14	-39 (62)	-20 (32)	-1.1 (1.8)	-0.3 (0.5)	-15 (29)	-8 (15)	-0.4 (0.9)	-0.14 (0.27)
15	-36 (52)	-18 (27)	-1.0 (1.5)	-0.3 (0.5)	-10 (29)	-5 (15)	-0.3 (0.9)	-0.10 (0.27)
16	-37 (54)	-19 (28)	-1.1 (1.6)	-0.3 (0.5)	-9 (33)	-4 (17)	-0.3 (1.0)	-0.08 (0.30)
17	-23 (54)	-12 (28)	-0.7 (1.6)	-0.2 (0.5)	-6 (35)	-3 (18)	-0.2 (1.0)	-0.06 (0.32)
18	-27 (52)	-14 (26)	-0.8 (1.5)	-0.2 (0.5)	3 (23)	2 (12)	0.1 (0.7)	0.03 (0.21)
19	-32 (41)	-16 (21)	-0.9 (1.2)	-0.3 (0.4)	-9 (24)	-4 (12)	-0.3 (0.7)	-0.08 (0.23)
20	-21 (33)	-11 (17)	-0.6 (1.0)	-0.2 (0.3)	-4 (25)	-2 (13)	-0.1 (0.8)	-0.04 (0.24)
21	-7 (35)	-4 (18)	-0.2 (1.0)	-0.1 (0.3)	3 (31)	2 (16)	0.1 (0.9)	0.03 (0.29)
22	0 (29)	0 (15)	0.0 (0.9)	0.0 (0.3)	3 (32)	1 (17)	0.1 (1.0)	0.02 (0.30)
23	-15 (27)	-8 (14)	-0.4 (0.8)	-0.1 (0.2)	-9 (34)	-5 (18)	-0.3 (1.0)	-0.09 (0.32)
24	-11 (20)	-6 (10)	-0.3 (0.6)	-0.1 (0.2)	-9 (19)	-5 (10)	-0.3 (0.6)	-0.08 (0.18)
25	-6 (20)	-3 (10)	-0.2 (0.6)	-0.1 (0.2)	-13 (38)	-7 (19)	-0.4 (1.1)	-0.12 (0.36)
26	0 (21)	0 (11)	0.0 (0.6)	0.0 (0.2)	-3 (19)	-2 (10)	-0.1 (0.6)	-0.03 (0.18)
27	-2 (15)	-1 (8)	-0.1 (0.4)	0.0 (0.1)	-6 (19)	-3 (10)	-0.2 (0.6)	-0.06 (0.18)
28								
29								
30								
31								
Mean	-19	-10	-0.6	-0.2	-6	-3	-0.2	-0.1
n	18	18	18	18	18	18	18	18
SD	12	6	0.4	0.1	6	3	0.2	0.1
Min	-39	-20	-1.1	-0.3	-17	-9	-0.5	-0.2
Max	0	0	0.0	0.0	3	2	0.1	0.0

Table E7. TSP emissions

Table E7. Daily means (SD) of TSP emissions at Site CA2B for December, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19	3660 (2910)	1880 (1490)	104.0 (82.8)	29.1 (23.1)	1290 (1130)	663 (581)	37.7 (33.1)	11.4 (10.0)
20	4520 (5090)	2320 (2610)	129.0 (145.0)	36.0 (40.6)	2140 (3370)	1100 (1730)	62.6 (98.5)	18.9 (29.7)
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean	4090	2100	117.0	32.6	1720	882	50.2	15.1
n	2	2	2	2	2	2	2	2
SD	430	221	12.3	3.4	426	218	12.4	3.7
Min	3660	1880	104.0	29.1	1290	663	37.7	11.4
Max	4520	2320	129.0	36.0	2140	1100	62.6	18.9

Table E7. Daily means (SD) of TSP emissions at Site CA2B for March, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15					3230 (1670)	1660 (858)	96.8 (50.1)	29.7 (15.3)
16					3620 (4230)	1860 (2170)	109.0 (127.0)	33.2 (38.7)
17					2230 (1850)	1140 (946)	66.7 (55.3)	20.4 (16.9)
18					2790 (2750)	1430 (1410)	83.6 (82.4)	25.5 (25.1)
19					2910 (3800)	1490 (1950)	87.4 (114.0)	26.6 (34.7)
20					2370 (2250)	1220 (1150)	71.2 (67.5)	21.6 (20.5)
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean					2860	1470	85.7	26.2
n	0	0	0	0	6	6	6	6
SD					478	245	14.3	4.4
Min					2230	1140	66.7	20.4
Max					3620	1860	109.0	33.2

Table E7. Daily means (SD) of TSP emissions at Site CA2B for May, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21	3750 (5060)	1920 (2600)	111.0 (151.0)	32.5 (44.0)	4120 (2230)	2110 (1140)	126.0 (67.8)	45.1 (24.4)
22	5950 (10900)	3050 (5600)	177.0 (325.0)	51.6 (94.6)	4680 (3500)	2400 (1800)	142.0 (107.0)	50.8 (38.0)
23	2240 (1710)	1150 (877)	66.8 (50.9)	19.4 (14.8)	5840 (3720)	2990 (1910)	178.0 (113.0)	62.8 (40.0)
24	2070 (2180)	1060 (1120)	61.6 (65.1)	17.9 (18.9)	5800 (3320)	2970 (1700)	177.0 (101.0)	62.1 (35.5)
25	1850 (1980)	947 (1020)	55.0 (59.1)	16.0 (17.1)	7410 (5430)	3800 (2780)	226.0 (165.0)	79.2 (58.0)
26	1220 (1240)	628 (637)	36.5 (37.0)	10.6 (10.7)				
27								
28								
29								
30								
31								
Mean	2850	1460	84.8	24.7	5570	2860	170.0	60.0
n	6	6	6	6	5	5	5	5
SD	1580	813	47.1	13.8	1130	581	34.5	11.7
Min	1220	628	36.5	10.6	4120	2110	126.0	45.1
Max	5950	3050	177.0	51.6	7410	3800	226.0	79.2

Table E7. Daily means (SD) of TSP emissions at Site CA2B for September, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20	3300 (2300)	1690 (1180)	93.9 (65.3)	27.6 (19.2)				
21	2760 (2000)	1420 (1020)	78.5 (56.7)	23.0 (16.6)				
22	2030 (1430)	1040 (735)	57.8 (40.7)	16.9 (11.9)				
23	2110 (1950)	1080 (1000)	60.0 (55.5)	17.5 (16.2)				
24	1420 (1980)	727 (1010)	40.3 (56.3)	11.8 (16.4)				
25	2050 (2430)	1050 (1250)	58.2 (69.1)	17.0 (20.1)				
26	1910 (2550)	977 (1310)	54.2 (72.5)	15.8 (21.1)				
27	2230 (2240)	1140 (1150)	63.4 (63.7)	18.4 (18.5)				
28	1930 (2150)	991 (1100)	55.0 (61.2)	16.0 (17.8)				
29								
30								
Mean	2190	1120	62.4	18.2				
n	9	9	9	9	0	0	0	0
SD	513	263	14.6	4.3				
Min	1420	727	40.3	11.8				
Max	3300	1690	93.9	27.6				

Table E7. Daily means (SD) of TSP emissions at Site CA2B for April, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	3300 (5240)	1690 (2690)	98.3 (156.0)	29.4 (46.7)	2460 (3820)	1260 (1960)	74.0 (115.0)	22.3 (34.7)
16	3630 (4450)	1860 (2280)	108.0 (133.0)	32.4 (39.8)	1680 (1590)	860 (815)	50.6 (48.0)	15.2 (14.4)
17	3740 (3700)	1920 (1900)	111.0 (110.0)	33.5 (33.2)	1240 (933)	637 (478)	37.4 (28.1)	11.3 (8.5)
18	3840 (5360)	1970 (2750)	114.0 (160.0)	34.4 (48.1)	1240 (1070)	638 (550)	37.5 (32.4)	11.3 (9.8)
19	3990 (3760)	2050 (1930)	119.0 (112.0)	35.8 (33.7)	1500 (1610)	770 (827)	45.3 (48.7)	13.7 (14.7)
20	3590 (3330)	1840 (1710)	107.0 (99.3)	32.1 (29.8)	1800 (4130)	921 (2120)	54.2 (125.0)	16.4 (37.6)
21	3160 (3530)	1620 (1810)	94.3 (105.0)	28.2 (31.6)	1570 (2150)	807 (1100)	47.5 (64.9)	14.3 (19.6)
22								
23								
24								
25								
26								
27								
28								
29								
30								
Mean	3610	1850	107.0	32.3	1640	842	49.5	14.9
n	7	7	7	7	7	7	7	7
SD	271	139	8.1	2.5	383	197	11.6	3.5
Min	3160	1620	94.3	28.2	1240	637	37.4	11.3
Max	3990	2050	119.0	35.8	2460	1260	74.0	22.3

Table E7. Daily means (SD) of TSP emissions at Site CA2B for July, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30	4720 (2960)	2420 (1520)	144.0 (90.1)	41.0 (25.6)	3390 (2270)	1740 (1160)	104.0 (69.7)	30.7 (20.5)
31	3390 (2210)	1740 (1130)	103.0 (67.3)	29.4 (19.1)	3030 (2160)	1550 (1110)	93.2 (66.5)	27.4 (19.6)
Mean	4060	2080	124.0	35.2	3210	1650	98.8	29.1
n	2	2	2	2	2	2	2	2
SD	668	343	20.4	5.8	182	93	5.6	1.7
Min	3390	1740	103.0	29.4	3030	1550	93.2	27.4
Max	4720	2420	144.0	41.0	3390	1740	104.0	30.7

Table E7. Daily means (SD) of TSP emissions at Site CA2B for August, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	2310 (1810)	1180 (930)	70.4 (55.3)	20.0 (15.7)	3010 (2210)	1540 (1130)	92.6 (67.8)	27.2 (20.0)
2	1360 (1210)	698 (621)	41.5 (36.9)	11.8 (10.5)	2640 (2160)	1350 (1110)	81.2 (66.4)	23.9 (19.6)
3	808 (951)	415 (487)	24.7 (29.0)	7.0 (8.2)	1940 (1830)	996 (940)	59.7 (56.4)	17.6 (16.6)
4	738 (992)	378 (509)	22.5 (30.3)	6.4 (8.6)	2740 (5070)	1410 (2600)	84.4 (156.0)	24.9 (46.1)
5	625 (933)	321 (479)	19.1 (28.5)	5.4 (8.1)	2840 (2670)	1460 (1370)	87.4 (82.3)	25.8 (24.3)
6	178 (243)	91 (125)	5.4 (7.4)	1.5 (2.1)	1740 (1360)	894 (698)	53.7 (41.9)	15.9 (12.4)
7	319 (612)	164 (314)	9.8 (18.7)	2.8 (5.3)	1670 (2080)	857 (1070)	51.5 (64.1)	15.2 (19.0)
8	671 (1150)	344 (590)	20.5 (35.1)	5.8 (10.0)	2070 (2580)	1060 (1330)	63.9 (79.6)	18.9 (23.6)
9	1110 (1690)	569 (865)	33.9 (51.5)	9.6 (14.6)	1820 (2830)	932 (1450)	56.0 (87.1)	16.6 (25.8)
10	1250 (1530)	643 (786)	38.3 (46.8)	10.9 (13.3)	1650 (2970)	846 (1520)	50.9 (91.6)	15.1 (27.2)
11								
12								
13								
14								
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29								
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31								
Mean	937	481	28.6	8.1	2210	1140	68.1	20.1
n	10	10	10	10	10	10	10	10
SD	581	298	17.7	5.0	507	260	15.6	4.6
Min	178	91	5.4	1.5	1650	846	50.9	15.1
Max	2310	1180	70.4	20.0	3010	1540	92.6	27.2

Table E8. NH₃ ConcentrationsTable E8. Daily means (SD) of NH₃ concentrations at Site CA2B for October, 2007.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15	0.7 (0.3)		28.2 (6.1)		9.9 (2.6)	
16	0.6 (0.3)		31.3 (7.7)		10.9 (2.6)	
17	0.6 (0.3)		32.7 (9.4)		11.2 (2.0)	
18	0.8 (0.5)		36.1 (14.2)		13.1 (3.0)	
19	0.7 (0.3)					
20	0.4 (0.2)		30.1 (8.1)		6.5 (1.6)	
21	0.3 (0.2)		34.2 (12.4)		5.1 (2.2)	
22	0.6 (0.5)		30.8 (11.1)		4.3 (0.7)	
23	0.3 (0.3)		23.4 (5.9)		4.6 (1.3)	
24	0.1 (0.3)		20.1 (5.1)		2.5 (1.6)	
25	0.0 (0.2)	0.0 (0.2)	20.1 (3.9)	14.4 (2.8)	2.1 (0.5)	1.5 (0.4)
26	-0.1 (0.1)	-0.1 (0.1)	23.1 (6.4)	16.5 (4.6)	2.4 (0.5)	1.7 (0.4)
27	0.1 (0.4)	0.1 (0.3)	23.4 (5.8)	16.8 (4.2)	3.0 (0.6)	2.2 (0.4)
28	0.3 (0.2)	0.2 (0.1)	20.6 (3.6)	14.8 (2.6)	3.8 (0.8)	2.7 (0.6)
29	0.5 (0.3)	0.4 (0.2)	19.8 (3.5)	14.2 (2.5)	5.9 (1.7)	4.2 (1.2)
30	0.3 (0.1)	0.2 (0.1)	25.5 (4.5)	18.3 (3.2)	8.3 (3.5)	6.0 (2.5)
31	0.5 (0.3)	0.3 (0.2)	30.7 (8.5)	22.0 (6.1)	13.1 (5.9)	9.4 (4.2)
Mean	0.4	0.2	26.9	16.7	6.7	3.9
n	17	7	16	7	16	7
SD	0.3	0.2	5.3	2.6	3.8	2.7
Min	-0.1	-0.1	19.8	14.2	2.1	1.5
Max	0.8	0.4	36.1	22.0	13.1	9.4

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for November, 2007.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.0 (0.6)	0.7 (0.4)	27.9 (11.4)	20.0 (8.1)	14.2 (8.6)	10.2 (6.1)
2	1.3 (0.6)	0.9 (0.4)	16.7 (2.9)	12.0 (2.1)	10.8 (2.6)	7.7 (1.9)
3	1.5 (1.2)	1.1 (0.9)	16.4 (2.5)	11.7 (1.8)	11.8 (2.6)	8.5 (1.9)
4	1.3 (0.8)	0.9 (0.6)	15.1 (2.1)	10.8 (1.5)	12.5 (3.1)	8.9 (2.2)
5	0.9 (0.6)	0.6 (0.5)	15.3 (2.1)	10.9 (1.5)	13.0 (3.3)	9.3 (2.4)
6	0.8 (0.5)	0.6 (0.3)	16.5 (3.5)	11.8 (2.5)	13.6 (3.5)	9.7 (2.5)
7	1.1 (0.6)	0.8 (0.4)	15.2 (2.3)	10.9 (1.6)	14.5 (2.9)	10.3 (2.1)
8	1.2 (0.9)	0.9 (0.7)	15.5 (2.9)	11.1 (2.1)	15.8 (4.4)	11.3 (3.1)
9	1.4 (0.9)	1.0 (0.7)	16.3 (4.0)	11.6 (2.9)	16.9 (4.0)	12.1 (2.9)
10	1.3 (0.8)	0.9 (0.6)	16.5 (2.4)	11.8 (1.7)	20.7 (3.2)	14.8 (2.3)
11	1.7 (0.7)	1.2 (0.5)	15.8 (2.4)	11.3 (1.7)	15.2 (3.2)	10.9 (2.3)
12	1.7 (0.8)	1.2 (0.6)	19.2 (3.0)	13.8 (2.2)	26.8 (10.3)	19.1 (7.3)
13	2.4 (1.2)	1.7 (0.9)	13.4 (2.1)	9.6 (1.5)	26.1 (7.6)	18.6 (5.4)
14	2.0 (1.1)					
15	2.4 (1.0)	1.7 (0.7)	23.3 (3.5)	16.7 (2.5)	25.8 (5.6)	18.5 (4.0)
16	2.0 (1.2)	1.4 (0.8)	22.0 (3.9)	15.8 (2.8)	25.2 (7.0)	18.0 (5.0)
17	2.7 (1.9)	1.9 (1.3)	23.1 (3.5)	16.5 (2.5)	35.6 (8.3)	25.4 (5.9)
18	1.7 (1.2)	1.2 (0.9)	21.8 (3.0)	15.6 (2.2)	35.2 (10.1)	25.2 (7.2)
19	1.7 (1.1)	1.2 (0.8)	22.4 (2.7)	16.0 (1.9)	32.1 (7.1)	23.0 (5.1)
20	1.7 (1.1)	1.2 (0.8)	22.0 (2.8)	15.7 (2.0)	46.5 (17.3)	33.2 (12.4)
21	1.4 (0.5)	1.0 (0.4)	22.8 (7.3)	16.2 (5.2)	27.4 (15.7)	19.5 (11.2)
22	1.9 (1.0)	1.3 (0.7)	19.8 (3.9)	14.1 (2.8)	38.9 (16.1)	27.8 (11.5)
23	2.1 (0.7)	1.5 (0.5)	20.6 (5.1)	14.7 (3.6)	46.5 (21.2)	33.2 (15.2)
24	1.8 (0.9)	1.3 (0.6)	17.7 (3.8)	12.6 (2.7)	46.0 (17.3)	32.8 (12.4)
25	1.9 (0.6)	1.4 (0.4)	19.3 (3.1)	13.8 (2.2)	53.5 (24.1)	38.2 (17.2)
26	1.3 (0.6)	0.9 (0.4)	21.7 (7.0)	15.5 (5.0)	54.2 (23.1)	38.7 (16.5)
27	2.1 (1.1)	1.5 (0.8)	18.9 (2.8)	13.5 (2.0)	47.6 (18.9)	34.0 (13.5)
28	1.9 (1.0)	1.3 (0.7)	20.5 (5.0)	14.6 (3.5)	52.5 (20.3)	37.5 (14.5)
29	2.3 (1.3)	1.6 (0.9)	19.5 (4.5)	13.9 (3.2)	46.7 (19.9)	33.4 (14.2)
30	1.4 (0.8)	1.0 (0.6)	20.2 (4.7)	14.4 (3.3)	59.1 (23.2)	42.2 (16.6)
Mean	1.7	1.2	19.2	13.7	30.5	21.8
n	30	29	29	29	29	29
SD	0.5	0.3	3.3	2.3	15.3	10.9
Min	0.8	0.6	13.4	9.6	10.8	7.7
Max	2.7	1.9	27.9	20.0	59.1	42.2

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for December, 2007.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	3.5 (2.2)	2.5 (1.6)	23.0 (8.1)	16.4 (5.8)	62.3 (26.0)	44.4 (18.6)
2	3.7 (2.4)	2.6 (1.7)	21.4 (6.0)	15.3 (4.3)	60.2 (25.5)	42.9 (18.3)
3	2.5 (1.5)	1.8 (1.1)	19.8 (4.0)	14.1 (2.8)	54.8 (25.0)	39.1 (17.9)
4	1.7 (0.8)	1.2 (0.6)	18.4 (2.5)	13.1 (1.8)	42.6 (14.5)	30.4 (10.3)
5	2.1 (0.7)	1.5 (0.5)	22.1 (2.9)	15.8 (2.0)	45.1 (13.7)	32.2 (9.8)
6	3.1 (1.1)	2.2 (0.7)	23.6 (2.1)	16.9 (1.5)	52.0 (16.8)	37.2 (12.0)
7	2.5 (0.6)	1.8 (0.5)	27.2 (4.1)	19.5 (3.0)	51.6 (18.1)	36.9 (13.0)
8	2.2 (0.7)	1.5 (0.5)	31.7 (7.4)	22.7 (5.3)	79.6 (25.3)	56.9 (18.1)
9	2.2 (1.0)	1.6 (0.7)	31.4 (9.0)	22.4 (6.4)	79.7 (26.8)	57.0 (19.2)
10	1.7 (0.7)	1.2 (0.5)	28.9 (6.5)	20.6 (4.7)	67.5 (19.6)	48.2 (14.0)
11	2.5 (1.7)	1.8 (1.2)	32.3 (10.8)	23.1 (7.7)	69.4 (24.9)	49.6 (17.8)
12	3.3 (2.3)	2.4 (1.6)	30.2 (6.8)	21.5 (4.8)	63.2 (20.8)	45.1 (14.9)
13	1.9 (0.9)	1.4 (0.7)	30.2 (7.5)	21.5 (5.4)	64.1 (18.7)	45.8 (13.4)
14	3.4 (1.8)	2.4 (1.3)	29.4 (8.0)	21.0 (5.7)	60.8 (19.4)	43.5 (13.9)
15	2.6 (1.2)	1.9 (0.9)	31.2 (7.6)	22.2 (5.4)	61.1 (19.4)	43.6 (13.9)
16	1.9 (1.1)	1.5 (0.8)	33.2 (7.3)	23.7 (5.2)	62.4 (26.0)	44.6 (18.6)
17	2.5 (1.1)	1.8 (0.8)	34.1 (6.0)	24.3 (4.3)	61.2 (20.3)	43.7 (14.5)
18	3.8 (1.5)	2.7 (1.1)	33.6 (4.1)	24.1 (2.9)	51.8 (16.5)	37.2 (11.8)
19	2.0 (1.0)	1.4 (0.7)	33.8 (3.9)	24.2 (2.8)	51.0 (16.0)	36.5 (11.5)
20	2.1 (0.6)	1.5 (0.4)	33.2 (6.2)	23.7 (4.5)	50.3 (19.1)	35.9 (13.7)
21	1.6 (0.5)	1.2 (0.4)	35.9 (8.1)	26.5 (5.4)	72.1 (18.6)	53.0 (13.1)
22	1.9 (0.9)	1.4 (0.6)	34.5 (7.1)	24.6 (5.1)	70.4 (18.1)	50.3 (13.0)
23	2.3 (1.6)	1.6 (1.1)	37.1 (6.4)	26.5 (4.5)	76.1 (19.0)	54.4 (13.6)
24	1.7 (0.4)	1.2 (0.3)	38.2 (7.0)	27.3 (5.0)	73.7 (23.0)	52.7 (16.5)
25	1.9 (0.9)	1.4 (0.7)	40.2 (9.4)	28.7 (6.7)	64.1 (19.2)	45.8 (13.8)
26	1.8 (0.7)	1.3 (0.5)	40.3 (8.1)	28.7 (5.8)	74.2 (20.4)	53.0 (14.6)
27	1.5 (0.8)	1.1 (0.6)	38.6 (8.8)	27.5 (6.3)	76.2 (23.7)	54.5 (16.9)
28	1.2 (0.9)	0.9 (0.6)	38.6 (8.4)	27.6 (6.0)	76.2 (20.6)	54.5 (14.7)
29	1.8 (1.0)	1.3 (0.7)	35.6 (6.3)	25.4 (4.5)	54.0 (23.0)	38.6 (16.5)
30	2.3 (1.2)	1.7 (0.9)	40.1 (7.3)	28.6 (5.2)	31.2 (4.5)	22.3 (3.2)
31	0.9 (0.5)	0.6 (0.3)	48.8 (10.7)	34.9 (7.7)	43.4 (14.5)	31.0 (10.4)
Mean	2.3	1.6	32.2	23	61.4	43.9
n	31	31	31	31	31	31
SD	0.7	0.5	6.8	4.9	11.9	8.6
Min	0.9	0.6	18.4	13.1	31.2	22.3
Max	3.8	2.7	48.8	34.9	79.7	57.0

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for January, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.5 (1.1)	1.1 (0.8)	47.8 (10.2)	34.2 (7.3)	76.9 (13.4)	55.0 (9.6)
2	1.4 (1.3)		43.7 (11.2)	31.2 (8.0)	84.0 (22.5)	60.1 (16.1)
3	2.9 (1.4)	2.0 (1.0)	32.0 (10.9)	22.9 (7.8)	62.8 (22.1)	44.9 (15.8)
4	2.5 (1.0)	1.8 (0.7)	24.7 (3.8)	17.7 (2.8)	60.3 (16.1)	43.2 (11.5)
5	2.6 (0.9)	1.9 (0.6)	36.1 (6.0)	25.8 (4.3)	79.2 (23.9)	56.7 (17.1)
6	2.8 (1.6)	2.0 (1.2)	36.5 (8.0)	26.1 (5.8)	69.1 (20.6)	49.4 (14.8)
7	1.5 (0.6)		28.7 (7.2)	20.5 (5.1)	70.6 (18.0)	50.5 (12.9)
8	2.9 (1.7)		24.8 (4.0)	17.7 (2.9)	72.6 (18.0)	51.9 (12.9)
9	1.9 (1.0)		21.8 (4.5)	15.6 (3.2)	80.7 (21.1)	57.7 (15.1)
10	2.6 (1.6)		18.7 (4.0)	13.4 (2.9)	81.4 (23.9)	58.3 (17.1)
11	2.9 (0.8)		17.9 (3.9)	12.8 (2.8)	84.6 (20.1)	60.6 (14.4)
12	2.3 (0.9)		15.8 (3.8)	11.3 (2.7)	78.7 (20.3)	56.3 (14.6)
13	2.5 (0.8)		13.5 (4.0)	9.6 (2.9)	75.6 (24.0)	54.1 (17.2)
14	1.8 (1.1)		14.5 (3.8)	10.4 (2.7)	90.6 (23.4)	65.3 (16.8)
15	1.6 (1.0)		20.0 (3.0)	14.3 (2.1)	126.0 (18.8)	
16	1.9 (0.9)		18.9 (3.5)	13.5 (2.5)	113.0 (26.9)	81.3 (19.4)
17	2.8 (1.5)		16.9 (2.7)	12.0 (1.9)	121.0 (24.5)	86.6 (17.6)
18	2.8 (2.3)		15.9 (2.4)	11.3 (1.7)	123.0 (28.4)	88.2 (20.4)
19	3.6 (2.3)		15.4 (2.6)	11.0 (1.9)	118.0 (30.7)	84.6 (22.1)
20	3.1 (2.5)		14.7 (2.1)	10.5 (1.5)	118.0 (28.4)	84.5 (20.4)
21	1.0 (0.5)		13.9 (1.8)	9.9 (1.3)	127.0 (24.2)	91.4 (17.4)
22	3.4 (1.7)		13.8 (2.0)	9.8 (1.5)	129.0 (23.7)	92.7 (17.1)
23	2.3 (1.4)		13.6 (2.0)	9.8 (1.4)	129.0 (27.8)	92.9 (19.9)
24	0.4 (0.1)					
25	4.9 (2.4)	3.5 (1.7)	10.6 (1.7)	7.6 (1.2)	81.9 (50.6)	
26	5.3 (1.0)	3.8 (0.7)	9.7 (1.9)	6.9 (1.4)	28.5 (3.3)	
27	4.1 (0.7)	2.9 (0.5)	9.5 (1.3)	6.8 (0.9)	26.5 (2.7)	
28	2.0 (1.1)	1.4 (0.8)	9.9 (1.4)	7.1 (1.0)	18.8 (3.6)	
29	0.4 (0.4)	0.3 (0.3)	8.2 (1.0)	5.8 (0.7)	59.6 (26.3)	42.6 (18.9)
30	1.5 (0.4)	1.1 (0.3)	7.4 (1.0)	5.3 (0.7)	55.2 (36.2)	39.5 (26.0)
31	1.2 (1.4)	0.8 (1.0)	7.2 (1.2)	5.1 (0.9)	92.1 (20.3)	66.0 (14.6)
Mean	2.4	1.9	19.4	13.9	84.5	64.6
n	31	12	30	30	30	25
SD	1.1	1	10.5	7.5	30.4	17.2
Min	0.4	0.3	7.2	5.1	18.8	39.5
Max	5.3	3.8	47.8	34.2	129.0	92.9

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for February, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	3.0 (1.2)	2.2 (0.9)	8.5 (1.1)	6.1 (0.7)	102.0 (29.6)	73.4 (21.3)
2	1.0 (0.3)	0.7 (0.2)	8.0 (1.0)	5.7 (0.7)	96.6 (21.1)	69.2 (15.1)
3	1.0 (0.4)	0.7 (0.3)	9.2 (1.1)	6.6 (0.8)	89.5 (22.0)	64.2 (15.8)
4	2.0 (0.4)	1.4 (0.3)	11.3 (1.3)	8.1 (0.9)	88.3 (25.2)	63.2 (18.1)
5	2.4 (1.1)	1.7 (0.7)	13.5 (1.4)	9.7 (1.0)	81.0 (20.3)	57.9 (14.6)
6	3.2 (1.5)	2.3 (1.0)	18.2 (2.0)	13.0 (1.5)	75.4 (24.1)	54.0 (17.3)
7	2.5 (0.9)	1.8 (0.7)	23.6 (2.3)	16.8 (1.6)	64.3 (26.3)	46.0 (18.9)
8	2.5 (0.9)	1.8 (0.6)	27.2 (2.9)	19.5 (2.1)	22.9 (3.3)	16.3 (2.3)
9						
10						
11						
12						
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15						
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20						
21						
22						
23						
24						
25						
26						
27						
28	4.4 (0.6)	3.1 (0.5)	33.9 (6.5)	24.3 (4.6)	66.3 (23.9)	47.5 (17.1)
29	3.7 (1.1)	2.7 (0.8)	30.4 (7.0)	21.8 (5.0)	29.0 (8.6)	20.7 (6.2)
Mean	2.6	1.8	18.4	13.2	71.6	51.2
n	10	10	10	10	10	10
SD	1	0.7	9.2	6.6	25.6	18.4
Min	1.0	0.7	8.0	5.7	22.9	16.3
Max	4.4	3.1	33.9	24.3	102.0	73.4

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for March, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.9 (0.3)	1.3 (0.2)	35.3 (4.2)	25.2 (3.0)	21.4 (4.7)	15.3 (3.4)
2	1.3 (0.1)	0.9 (0.1)	34.6 (5.9)	24.7 (4.3)	14.9 (1.7)	10.6 (1.2)
3	2.3 (0.5)	1.7 (0.4)	27.5 (9.4)	19.6 (6.7)	17.8 (5.4)	12.7 (3.8)
4	3.2 (0.3)	2.3 (0.2)	14.3 (6.3)	10.3 (4.5)	43.4 (7.1)	31.0 (5.1)
5	4.0 (1.6)	2.9 (1.1)	6.7 (2.3)	4.8 (1.7)	31.7 (20.7)	22.7 (14.8)
6	1.2 (0.6)	0.9 (0.4)	5.6 (1.2)	4.0 (0.8)	11.9 (9.7)	8.5 (6.9)
7	0.5 (0.2)	0.4 (0.1)	5.5 (1.2)	3.9 (0.9)	4.1 (1.2)	2.9 (0.8)
8	0.6 (0.1)	0.4 (0.1)	5.7 (1.2)	4.0 (0.9)	4.1 (0.9)	2.9 (0.6)
9	0.6 (0.2)	0.4 (0.1)	5.5 (1.4)	4.0 (1.0)	4.4 (1.3)	3.1 (1.0)
10			6.4 (1.6)	4.6 (1.1)	5.9 (2.0)	4.2 (1.4)
11						
12						
13						
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27						
28						
29						
30						
31						
Mean	1.7	1.2	14.7	10.5	16	11.4
n	9	9	10	10	10	10
SD	1.2	0.8	12	8.6	12.5	9
Min	0.5	0.4	5.5	3.9	4.1	2.9
Max	4.0	2.9	35.3	25.2	43.4	31.0

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for April, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.7 (0.2)	0.5 (0.1)	22.1 (7.9)	15.8 (5.7)	5.3 (1.4)	3.8 (1.0)
2	0.5 (0.1)	0.4 (0.1)	19.0 (5.4)	13.6 (3.9)	7.1 (1.9)	5.1 (1.4)
3	0.8 (0.1)	0.5 (0.1)	20.5 (7.8)	14.7 (5.6)	8.9 (2.2)	6.4 (1.6)
4	0.7 (0.2)	0.5 (0.1)	17.5 (5.8)	12.5 (4.1)	7.9 (1.3)	5.6 (0.9)
5	0.9 (0.2)	0.6 (0.1)	18.8 (6.2)	13.4 (4.4)	6.5 (0.9)	4.6 (0.6)
6	0.9 (0.2)	0.6 (0.1)	23.2 (7.8)	16.6 (5.6)	7.1 (0.9)	5.1 (0.7)
7	0.9 (0.1)	0.7 (0.1)	21.4 (8.4)	15.3 (6.0)	7.2 (1.0)	5.1 (0.7)
8	0.6 (0.2)	0.4 (0.1)	25.4 (11.7)	18.1 (8.4)	7.6 (1.1)	5.4 (0.8)
9	0.7 (0.1)	0.5 (0.1)	26.1 (11.2)	18.6 (8.0)	7.3 (1.2)	5.2 (0.8)
10	0.6 (0.1)	0.4 (0.0)	23.7 (10.3)	16.9 (7.4)	5.9 (1.0)	4.2 (0.7)
11	0.9 (0.1)	0.6 (0.1)	16.6 (3.5)	11.9 (2.5)	5.2 (1.3)	3.7 (0.9)
12	0.7 (0.2)	0.5 (0.1)	15.8 (4.0)	11.3 (2.9)	4.6 (1.2)	3.3 (0.9)
13	0.7 (0.1)	0.5 (0.1)	13.1 (3.0)	9.4 (2.2)	4.3 (1.5)	3.1 (1.1)
14	0.3 (0.1)	0.2 (0.1)	12.1 (3.1)	8.7 (2.2)	2.9 (0.3)	2.1 (0.2)
15	0.4 (0.1)	0.3 (0.1)	17.9 (5.7)	12.8 (4.1)	3.3 (0.6)	2.3 (0.4)
16	0.8 (0.3)	0.5 (0.2)	17.3 (7.9)	12.3 (5.7)	4.0 (0.8)	2.9 (0.6)
17	0.9 (0.0)					
18	1.0 (0.0)					
19	0.6 (0.4)					
20	0.2 (0.1)	0.1 (0.1)	16.3 (5.5)	11.7 (3.9)	1.9 (0.2)	1.4 (0.2)
21	0.2 (0.1)	0.1 (0.1)	19.0 (5.5)	13.6 (3.9)	1.9 (0.3)	1.3 (0.2)
22	0.2 (0.1)	0.2 (0.1)	19.8 (6.1)	14.2 (4.4)	1.5 (0.1)	1.0 (0.1)
23	0.2 (0.1)	0.2 (0.1)	21.6 (5.0)	15.4 (3.6)	1.5 (0.2)	1.1 (0.1)
24	0.2 (0.1)	0.1 (0.1)	20.6 (7.7)	14.7 (5.5)	1.5 (0.3)	1.0 (0.2)
25	0.2 (0.1)	0.2 (0.0)	17.5 (4.5)	12.5 (3.2)	2.2 (0.3)	1.6 (0.2)
26	0.6 (0.3)	0.4 (0.2)	14.7 (2.4)	10.5 (1.7)	3.5 (0.9)	2.5 (0.6)
27	1.0 (0.1)	0.7 (0.1)	13.8 (2.1)	9.9 (1.5)	4.6 (1.0)	3.3 (0.7)
28	0.8 (0.1)	0.6 (0.1)	12.2 (2.2)	8.7 (1.6)	4.6 (0.6)	3.3 (0.4)
29	0.6 (0.1)	0.4 (0.1)	11.0 (2.2)	7.8 (1.5)	6.0 (1.2)	4.3 (0.8)
30	0.6 (0.1)	0.4 (0.1)	13.5 (3.3)	9.7 (2.4)	8.1 (2.3)	5.8 (1.6)
Mean	0.6	0.4	18.2	13	4.9	3.5
n	30	27	27	27	27	27
SD	0.3	0.2	4	2.9	2.3	1.6
Min	0.2	0.1	11.0	7.8	1.5	1.0
Max	1.0	0.7	26.1	18.6	8.9	6.4

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for May, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.9 (0.1)	0.6 (0.1)	14.7 (5.6)	10.5 (4.0)	7.2 (2.6)	5.2 (1.8)
2	0.8 (0.1)	0.5 (0.1)	10.6 (2.0)	7.6 (1.4)	9.2 (1.1)	6.6 (0.8)
3	1.5 (0.6)	1.1 (0.4)	12.3 (1.9)	8.8 (1.4)	11.1 (1.3)	7.9 (0.9)
4	1.4 (0.3)	1.0 (0.2)	11.7 (1.8)	8.4 (1.3)	12.2 (2.1)	8.7 (1.5)
5	1.6 (0.3)	1.1 (0.2)	12.4 (1.3)	8.9 (1.0)	13.1 (2.7)	9.4 (1.9)
6	1.6 (0.4)	1.2 (0.3)	11.7 (2.1)	8.4 (1.5)	14.6 (3.6)	10.5 (2.6)
7	1.0 (0.2)	0.7 (0.2)	9.3 (1.6)	6.6 (1.1)	14.0 (3.5)	10.0 (2.5)
8	0.9 (0.1)	0.6 (0.1)	10.4 (1.8)	7.4 (1.3)	13.5 (2.5)	9.6 (1.8)
9	1.5 (0.2)	1.1 (0.1)	9.7 (1.5)	6.9 (1.1)	12.1 (2.0)	8.6 (1.4)
10	1.4 (0.1)	1.0 (0.1)	9.9 (1.3)	7.1 (0.9)	17.4 (4.2)	12.5 (3.0)
11						
12						
13	1.8 (0.7)	1.3 (0.5)	7.4 (0.9)	5.3 (0.6)	11.5 (2.0)	8.2 (1.4)
14	1.4 (0.2)	1.0 (0.2)	8.0 (1.1)	5.7 (0.8)	10.2 (1.1)	7.3 (0.8)
15	1.9 (0.2)	1.3 (0.2)	9.2 (1.2)	6.6 (0.9)	11.0 (0.8)	7.9 (0.6)
16	1.3 (0.2)	0.9 (0.1)	9.0 (1.0)	6.5 (0.7)	10.0 (0.7)	7.2 (0.5)
17	1.3 (0.2)	0.9 (0.2)	7.6 (0.9)	5.5 (0.6)	10.3 (1.9)	7.4 (1.4)
18	0.9 (0.1)	0.6 (0.1)	6.4 (0.9)	4.6 (0.6)	9.1 (1.1)	6.5 (0.8)
19	0.7 (0.1)	0.5 (0.0)	5.9 (0.6)	4.2 (0.4)	8.4 (0.9)	6.0 (0.6)
20	0.7 (0.1)	0.5 (0.1)	6.0 (0.4)	4.3 (0.3)	9.1 (1.5)	6.5 (1.1)
21	0.5 (0.1)	0.4 (0.1)	4.5 (0.7)	3.2 (0.5)	9.8 (2.5)	7.0 (1.8)
22	0.3 (0.1)	0.2 (0.1)	2.6 (1.1)	1.8 (0.8)	8.5 (2.2)	6.1 (1.6)
23	0.6 (0.1)	0.4 (0.1)	1.8 (0.2)	1.3 (0.1)	7.9 (1.5)	5.6 (1.1)
24	0.5 (0.1)	0.4 (0.0)	2.0 (0.3)	1.4 (0.2)	9.4 (1.5)	6.7 (1.1)
25	0.6 (0.1)	0.4 (0.1)	2.5 (0.2)	1.8 (0.2)	12.5 (1.9)	9.0 (1.4)
26	0.6 (0.1)	0.5 (0.1)	3.3 (0.5)	2.3 (0.4)	12.3 (3.0)	8.8 (2.1)
27	1.1 (0.4)	0.8 (0.3)	5.0 (1.4)	3.6 (1.0)	12.7 (2.5)	9.1 (1.8)
28	1.0 (0.3)	0.7 (0.2)	7.7 (2.2)	5.5 (1.6)	12.1 (3.4)	8.7 (2.4)
29	0.8 (0.1)	0.5 (0.1)	9.2 (2.0)	6.6 (1.4)	11.6 (2.6)	8.3 (1.9)
30	0.8 (0.3)	0.5 (0.2)	10.7 (2.0)	7.7 (1.4)	11.6 (2.5)	8.3 (1.8)
31	0.8 (0.2)	0.6 (0.2)	11.3 (2.6)	8.1 (1.9)	10.9 (2.4)	7.8 (1.7)
Mean	1	0.7	8	5.7	11.1	8
n	29	29	29	29	29	29
SD	0.4	0.3	3.4	2.5	2.2	1.6
Min	0.3	0.2	1.8	1.3	7.2	5.2
Max	1.9	1.3	14.7	10.5	17.4	12.5

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for June, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.8 (0.3)	0.6 (0.2)	13.0 (2.9)	9.3 (2.1)	10.0 (2.1)	7.1 (1.5)
2	0.8 (0.2)	0.6 (0.2)	12.7 (3.6)	9.1 (2.6)	9.4 (2.0)	6.7 (1.4)
3	0.7 (0.2)	0.5 (0.1)	7.7 (1.6)	5.5 (1.1)	8.5 (1.7)	6.1 (1.2)
4	0.4 (0.1)	0.3 (0.0)	5.3 (5.2)	3.8 (3.7)	7.1 (1.9)	5.1 (1.4)
5	0.5 (0.1)	0.4 (0.1)	1.1 (0.2)	0.8 (0.2)	6.3 (1.6)	4.5 (1.2)
6	0.5 (0.1)	0.3 (0.1)	1.2 (0.3)	0.9 (0.2)	5.2 (1.0)	3.7 (0.7)
7	0.3 (0.1)	0.2 (0.1)	2.1 (0.4)	1.5 (0.3)	4.1 (0.6)	2.9 (0.5)
8	0.3 (0.2)	0.2 (0.1)	2.2 (0.7)	1.6 (0.5)	3.7 (0.5)	2.7 (0.4)
9	0.3 (0.1)	0.2 (0.1)	1.9 (0.9)	1.3 (0.6)	3.4 (0.3)	2.4 (0.2)
10	0.2 (0.1)	0.1 (0.1)	1.2 (0.5)	0.8 (0.4)	2.6 (0.5)	1.8 (0.3)
11	0.1 (0.2)	0.1 (0.1)	1.0 (0.6)	0.7 (0.4)	2.0 (0.2)	1.5 (0.2)
12	0.3 (0.1)	0.2 (0.1)	2.1 (0.6)	1.5 (0.4)	1.9 (0.3)	1.4 (0.2)
13	0.2 (0.1)	0.1 (0.1)	2.0 (0.7)	1.5 (0.5)	2.3 (0.2)	1.6 (0.2)
14	0.3 (0.1)	0.2 (0.1)	1.0 (0.2)		2.3 (0.3)	1.6 (0.2)
15	0.4 (0.1)	0.3 (0.1)	1.5 (0.6)		2.5 (0.3)	1.8 (0.2)
16	0.4 (0.1)	0.3 (0.1)	1.1 (0.1)		2.6 (0.4)	1.9 (0.2)
17	0.4 (0.1)	0.3 (0.1)	1.1 (0.2)		2.8 (0.4)	2.0 (0.3)
18	0.3 (0.1)	0.2 (0.1)	1.0 (0.2)		2.3 (0.2)	1.6 (0.2)
19	0.1 (0.1)	0.1 (0.0)	1.6 (0.8)		2.3 (0.3)	1.7 (0.2)
20	0.3 (0.1)	0.2 (0.1)	1.9 (0.8)		2.5 (0.4)	1.8 (0.3)
21	0.3 (0.1)	0.2 (0.1)	1.4 (0.4)		2.6 (0.3)	1.9 (0.2)
22	0.2 (0.0)	0.1 (0.0)	0.7 (0.2)		2.1 (0.2)	1.5 (0.2)
23	0.3 (0.1)	0.2 (0.1)	0.5 (0.2)		2.2 (0.5)	1.6 (0.3)
24	0.3 (0.1)	0.2 (0.1)	0.7 (0.3)		2.4 (0.4)	1.8 (0.3)
25	0.4 (0.1)	0.3 (0.1)	0.9 (0.4)		2.9 (0.5)	2.1 (0.3)
26	0.6 (0.1)	0.4 (0.1)	1.1 (0.5)		3.6 (0.5)	2.6 (0.4)
27	0.7 (0.1)	0.5 (0.1)	1.2 (0.3)		4.3 (0.4)	3.1 (0.3)
28	0.8 (0.1)	0.6 (0.0)	0.9 (0.1)		4.9 (0.9)	3.5 (0.7)
29	0.6 (0.1)	0.4 (0.1)	0.9 (0.1)		5.5 (1.6)	4.0 (1.2)
30	0.7 (0.2)	0.5 (0.1)	1.0 (0.1)		5.4 (0.9)	3.9 (0.7)
Mean	0.4	0.3	2.4	2.9	4	2.9
n	30	30	30	13	30	30
SD	0.2	0.1	3.1	3	2.2	1.6
Min	0.1	0.1	0.5	0.7	1.9	1.4
Max	0.8	0.6	13.0	9.3	10.0	7.1

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for July, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.7 (0.2)	0.5 (0.1)	1.2 (0.1)		5.9 (1.5)	4.2 (1.1)
2	0.7 (0.1)	0.5 (0.1)	1.4 (0.2)		6.7 (2.0)	4.8 (1.4)
3	0.7 (0.3)	0.5 (0.2)	1.6 (0.3)		6.5 (1.7)	4.7 (1.2)
4	0.6 (0.1)	0.4 (0.1)	1.6 (0.2)		5.7 (1.5)	4.1 (1.1)
5	0.8 (0.2)	0.5 (0.1)	2.5 (0.4)		5.9 (1.2)	4.3 (0.9)
6	0.7 (0.1)	0.5 (0.1)	3.7 (0.9)		5.3 (0.6)	3.8 (0.4)
7	1.0 (0.3)	0.7 (0.2)	5.4 (1.6)		5.4 (0.8)	3.9 (0.6)
8	1.1 (0.2)	0.8 (0.2)	7.0 (1.1)	5.0 (0.8)	5.7 (0.5)	4.1 (0.4)
9	0.7 (0.1)	0.5 (0.1)	6.7 (1.2)	4.8 (0.8)	4.7 (0.4)	3.4 (0.3)
10	0.7 (0.1)	0.5 (0.1)	7.3 (1.0)	5.3 (0.7)	4.1 (0.4)	2.9 (0.3)
11	0.7 (0.0)	0.5 (0.0)	7.0 (1.0)	5.0 (0.7)	3.5 (0.3)	2.5 (0.2)
12	0.6 (0.1)	0.4 (0.1)	7.7 (2.0)	5.6 (1.5)	3.7 (0.3)	2.7 (0.2)
13	0.6 (0.1)	0.4 (0.1)	8.4 (1.7)	6.0 (1.2)	4.0 (0.3)	2.9 (0.2)
14	0.7 (0.1)	0.5 (0.1)	8.7 (1.3)	6.2 (0.9)	4.0 (0.5)	2.9 (0.4)
15	0.6 (0.1)	0.4 (0.1)	8.8 (2.1)	6.3 (1.5)	3.8 (0.4)	2.7 (0.3)
16						
17						
18						
19						
20						
21						
22						
23	0.9 (0.1)	0.6 (0.1)	9.9 (2.3)	7.1 (1.7)	4.5 (0.3)	3.2 (0.2)
24	0.7 (0.1)	0.5 (0.0)	10.5 (2.2)	7.5 (1.6)	4.3 (0.4)	3.1 (0.3)
25	0.6 (0.2)	0.4 (0.1)	10.7 (2.6)	7.7 (1.8)	4.4 (0.5)	3.1 (0.3)
26	0.7 (0.2)	0.5 (0.1)	10.2 (2.5)	7.4 (1.8)	4.0 (0.5)	2.9 (0.4)
27	0.5 (0.1)	0.3 (0.1)	9.4 (2.0)	6.8 (1.5)	3.7 (0.3)	2.7 (0.2)
28	0.5 (0.1)	0.4 (0.1)	8.8 (2.0)	6.3 (1.4)	3.5 (0.4)	2.5 (0.3)
29	0.5 (0.1)	0.4 (0.1)	8.6 (2.4)	6.2 (1.8)	3.5 (0.4)	2.5 (0.3)
30	0.6 (0.2)	0.4 (0.1)	8.6 (2.2)	6.2 (1.6)	3.6 (0.3)	2.5 (0.2)
31	0.6 (0.1)	0.4 (0.1)	8.4 (2.1)	6.0 (1.5)	3.6 (0.4)	2.6 (0.3)
Mean	0.7	0.5	6.8	6.2	4.6	3.3
n	24	24	24	17	24	24
SD	0.1	0.1	3.1	0.9	1	0.7
Min	0.5	0.3	1.2	4.8	3.5	2.5
Max	1.1	0.8	10.7	7.7	6.7	4.8

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for August, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.8 (0.2)	0.6 (0.1)	8.3 (2.2)	5.9 (1.6)	3.9 (0.3)	2.8 (0.2)
2	0.8 (0.1)	0.5 (0.1)	9.3 (2.2)	6.7 (1.6)	4.2 (0.5)	3.0 (0.3)
3	0.5 (0.1)	0.4 (0.1)	7.8 (1.6)	5.6 (1.2)	4.1 (0.4)	2.9 (0.3)
4	0.5 (0.1)	0.4 (0.0)	8.4 (1.7)	6.0 (1.3)	4.5 (0.2)	3.2 (0.2)
5	0.5 (0.1)	0.3 (0.1)	8.5 (1.4)	6.1 (1.0)	4.1 (0.4)	2.9 (0.3)
6	0.5 (0.1)	0.3 (0.1)	8.5 (1.5)	6.1 (1.1)	3.6 (0.4)	2.6 (0.3)
7	0.4 (0.1)	0.3 (0.1)	7.5 (1.3)	5.4 (0.9)	3.3 (0.4)	2.3 (0.3)
8	0.4 (0.1)	0.3 (0.1)	7.1 (1.5)	5.1 (1.1)	3.1 (0.4)	2.2 (0.3)
9	0.3 (0.2)	0.2 (0.1)	6.8 (1.4)	4.8 (1.0)	3.0 (0.2)	2.1 (0.2)
10	0.4 (0.1)	0.3 (0.1)	7.4 (1.2)	5.3 (0.9)	2.9 (0.3)	2.1 (0.2)
11	0.5 (0.1)	0.4 (0.1)	7.9 (1.5)	5.6 (1.1)	2.9 (0.3)	2.1 (0.2)
12	0.6 (0.2)	0.5 (0.1)	8.3 (1.5)	6.0 (1.1)	2.9 (0.4)	2.1 (0.3)
13	0.9 (0.2)	0.6 (0.1)	9.6 (1.9)	6.9 (1.4)	3.3 (0.4)	2.3 (0.3)
14	0.8 (0.1)	0.6 (0.1)	10.5 (1.6)	7.6 (1.1)	3.2 (0.4)	2.3 (0.3)
15	0.7 (0.1)	0.5 (0.1)	9.3 (1.2)	6.6 (0.9)	2.9 (0.4)	2.1 (0.3)
16	0.4 (0.1)	0.3 (0.1)	7.9 (0.8)	5.7 (0.6)	2.5 (0.2)	1.8 (0.2)
17	0.5 (0.1)	0.4 (0.0)	7.2 (0.9)	5.2 (0.6)	2.3 (0.3)	1.7 (0.2)
18	0.5 (0.1)	0.3 (0.1)	9.9 (1.2)	7.1 (0.9)	2.6 (0.3)	1.9 (0.2)
19	0.3 (0.1)	0.2 (0.1)	8.9 (1.6)	6.4 (1.1)	2.7 (0.3)	1.9 (0.2)
20	0.5 (0.1)	0.3 (0.1)	9.1 (1.5)	6.5 (1.1)	3.0 (0.2)	2.2 (0.2)
21	0.5 (0.1)	0.4 (0.1)	8.6 (2.0)	6.2 (1.4)	3.1 (0.3)	2.2 (0.2)
22	0.3 (0.0)	0.2 (0.0)	4.2 (0.6)	3.0 (0.4)	3.0 (0.7)	2.2 (0.5)
23	0.3 (0.1)	0.2 (0.1)	4.1 (0.5)	2.9 (0.4)	2.0 (0.4)	1.4 (0.3)
24	0.4 (0.1)	0.3 (0.0)	5.3 (0.7)	3.8 (0.5)	1.8 (0.2)	1.3 (0.2)
25	0.3 (0.1)	0.2 (0.1)	5.9 (0.9)	4.2 (0.7)	1.8 (0.4)	1.3 (0.3)
26	0.2 (0.0)	0.1 (0.0)	6.6 (0.9)	4.7 (0.6)	1.6 (0.2)	1.1 (0.1)
27	1.1 (0.5)	0.8 (0.4)			2.0 (0.4)	1.5 (0.3)
28	0.9 (0.4)	0.6 (0.3)	10.0 (2.5)	7.2 (1.8)	3.0 (0.8)	2.1 (0.5)
29	0.5 (0.1)	0.4 (0.1)	12.0 (1.8)	8.7 (1.3)	3.0 (0.4)	2.1 (0.3)
30	0.2 (0.1)	0.2 (0.1)	10.9 (1.9)	7.8 (1.4)	1.5 (0.5)	1.1 (0.3)
31	0.1 (0.1)	0.1 (0.0)	9.3 (2.6)	6.7 (1.9)	0.7 (0.2)	0.5 (0.2)
Mean	0.5	0.4	8.2	5.9	2.9	2.1
n	31	31	30	30	31	31
SD	0.2	0.2	1.8	1.3	0.8	0.6
Min	0.1	0.1	4.1	2.9	0.7	0.5
Max	1.1	0.8	12.0	8.7	4.5	3.2

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for September, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.1 (0.1)	0.1 (0.1)	8.5 (2.0)	6.1 (1.4)	0.5 (0.1)	0.4 (0.1)
2	0.2 (0.0)	0.1 (0.0)	9.3 (2.3)	6.7 (1.7)	0.6 (0.1)	0.5 (0.1)
3	0.5 (0.6)	0.4 (0.4)	9.7 (2.9)	7.0 (2.1)	1.0 (0.6)	0.7 (0.4)
4	3.2 (1.3)	2.3 (0.9)	10.0 (2.9)	7.1 (2.1)	4.4 (1.2)	3.2 (0.9)
5	4.4 (2.4)	3.2 (1.7)	10.6 (2.6)	7.6 (1.8)	4.8 (2.0)	3.5 (1.5)
6	2.3 (1.7)	1.6 (1.2)	10.6 (2.6)	7.6 (1.9)	4.0 (1.4)	2.8 (1.0)
7	1.5 (1.2)	1.1 (0.8)	11.4 (1.8)	8.2 (1.3)	3.3 (1.9)	2.4 (1.4)
8	2.0 (1.9)	1.4 (1.4)	11.2 (3.0)	8.0 (2.2)	1.4 (0.4)	1.0 (0.3)
9	0.3 (0.1)	0.2 (0.1)	11.3 (1.9)	8.1 (1.4)	1.2 (0.2)	
10	0.3 (0.1)	0.2 (0.1)	11.6 (2.7)	8.3 (1.9)		
11	0.6 (0.3)	0.4 (0.2)	12.6 (3.3)	9.0 (2.3)		
12	0.6 (0.2)	0.5 (0.1)	13.5 (3.6)	9.7 (2.6)		
13	0.5 (0.1)	0.4 (0.1)	15.5 (3.4)	11.1 (2.4)		
14	0.5 (0.1)	0.4 (0.1)	17.0 (2.8)	12.2 (2.0)		
15	0.6 (0.2)	0.4 (0.1)	16.4 (3.3)	11.8 (2.4)		
16	0.5 (0.1)	0.4 (0.1)	15.8 (2.3)	11.3 (1.7)		
17	0.4 (0.1)		15.1 (3.4)	10.8 (2.4)		
18	0.3 (0.1)		16.5 (3.2)	11.8 (2.3)		
19	0.1 (0.1)		12.8 (3.4)	9.2 (2.4)	0.7 (0.1)	0.5 (0.1)
20	0.2 (0.1)		16.0 (2.7)	11.4 (2.0)	0.8 (0.1)	0.5 (0.0)
21	0.2 (0.1)		16.4 (2.6)	11.8 (1.9)	0.8 (0.1)	0.6 (0.1)
22	0.1 (0.1)		16.3 (2.4)	11.7 (1.7)	0.7 (0.1)	0.5 (0.1)
23	0.2 (0.2)		14.4 (2.2)	10.3 (1.6)	0.8 (0.1)	0.6 (0.0)
24	0.3 (0.1)		13.0 (2.5)	9.3 (1.8)	0.9 (0.1)	0.6 (0.1)
25	0.2 (0.1)		12.1 (1.6)	8.7 (1.1)	0.9 (0.1)	0.6 (0.1)
26	0.3 (0.1)		13.0 (2.5)	9.3 (1.8)	1.1 (0.2)	0.7 (0.1)
27	0.4 (0.1)		9.6 (1.1)	6.9 (0.8)	1.0 (0.1)	0.7 (0.1)
28	0.3 (0.1)		8.5 (1.2)	6.1 (0.9)	1.0 (0.1)	0.7 (0.1)
29	0.3 (0.1)		8.8 (1.5)	6.3 (1.1)	1.2 (0.2)	0.9 (0.1)
30	0.4 (0.1)		9.1 (1.0)	6.5 (0.7)	1.7 (0.3)	1.2 (0.2)
Mean	0.7	0.8	12.6	9	1.6	1.1
n	30	16	30	30	21	20
SD	1	0.9	2.8	2	1.3	1
Min	0.1	0.1	8.5	6.1	0.5	0.4
Max	4.4	3.2	17.0	12.2	4.8	3.5

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for October, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.7 (0.4)	0.5 (0.3)	9.2 (1.8)	6.6 (1.3)	2.2 (0.6)	1.6 (0.4)
2	0.4 (0.1)	0.3 (0.1)	9.1 (1.1)	6.6 (0.8)	2.8 (0.7)	2.0 (0.5)
3	0.5 (0.2)	0.4 (0.1)	10.1 (2.3)	7.2 (1.7)	4.2 (1.0)	3.0 (0.7)
4						
5						
6						
7	1.5 (0.3)	1.1 (0.2)	13.9 (1.6)	10.0 (1.2)	9.7 (2.2)	7.0 (1.6)
8	1.1 (0.3)	0.8 (0.2)	13.4 (1.6)	9.6 (1.1)	8.1 (2.4)	5.8 (1.7)
9	0.1 (0.3)	0.1 (0.2)	13.5 (4.0)	9.7 (2.9)	7.2 (2.1)	5.2 (1.5)
10	0.0 (0.2)	0.0 (0.1)	11.9 (2.4)	8.5 (1.7)	6.9 (2.8)	4.9 (2.0)
11	-0.3 (0.1)	-0.2 (0.1)	15.2 (3.8)	10.8 (2.7)	3.6 (1.3)	2.6 (0.9)
12	-0.1 (0.2)	-0.1 (0.1)	13.9 (3.1)	9.9 (2.2)	3.3 (1.0)	2.4 (0.7)
13	0.6 (0.4)	0.4 (0.3)	13.1 (3.0)	9.3 (2.1)	4.7 (1.7)	3.4 (1.2)
14	1.8 (0.8)	1.3 (0.6)	11.2 (1.5)	8.0 (1.0)	10.6 (3.3)	7.6 (2.4)
15	1.5 (0.2)	1.0 (0.1)	10.2 (1.5)	7.3 (1.1)	8.9 (2.4)	6.4 (1.7)
16	2.0 (0.5)	1.5 (0.4)	9.9 (1.0)	7.1 (0.7)	8.6 (2.8)	6.2 (2.0)
17	1.9 (0.6)	1.4 (0.5)	8.8 (0.9)	6.3 (0.7)	8.4 (2.7)	6.0 (2.0)
18	1.1 (0.8)	0.8 (0.6)	8.0 (0.6)	5.8 (0.4)	7.4 (2.5)	5.3 (1.8)
19	-0.1 (0.2)	0.0 (0.1)	8.6 (0.9)	6.1 (0.7)	8.6 (2.1)	6.1 (1.5)
20	-0.3 (0.1)	-0.2 (0.1)	8.9 (1.1)	6.4 (0.8)	9.5 (2.4)	6.8 (1.7)
21	1.0 (1.2)	0.7 (0.9)	9.5 (1.0)	6.8 (0.7)	9.3 (2.3)	6.6 (1.6)
22	2.7 (0.6)	1.9 (0.4)	9.2 (1.0)	6.6 (0.7)	9.2 (2.7)	6.6 (1.9)
23	3.3 (0.6)	2.3 (0.4)	9.7 (0.9)	6.9 (0.7)	8.9 (2.0)	6.4 (1.4)
24	2.3 (0.3)	1.6 (0.2)	9.8 (0.9)	7.0 (0.7)	8.7 (1.9)	6.1 (1.3)
25	2.2 (0.5)	1.6 (0.3)	9.6 (0.8)	6.8 (0.6)	7.4 (1.9)	5.3 (1.4)
26	3.0 (0.5)	2.2 (0.4)	9.0 (0.7)	6.5 (0.5)	8.2 (2.3)	5.9 (1.6)
27	1.3 (0.4)	1.0 (0.3)	9.0 (0.8)	6.5 (0.6)	6.1 (2.0)	4.4 (1.4)
28	1.3 (0.8)	0.9 (0.6)	9.5 (0.8)	6.8 (0.6)	8.5 (2.0)	6.1 (1.5)
29	2.5 (0.5)	1.8 (0.4)	8.9 (1.0)	6.4 (0.7)	8.6 (2.2)	6.1 (1.6)
30	0.5 (0.3)	0.4 (0.2)	8.8 (1.2)	6.3 (0.9)		
31	1.2 (0.4)	0.8 (0.3)	10.3 (1.1)	7.4 (0.8)	8.0 (1.6)	5.8 (1.1)
Mean	1.2	0.9	10.4	7.5	7.3	5.2
n	28	28	28	28	27	27
SD	1	0.7	2	1.4	2.3	1.6
Min	-0.3	-0.2	8.0	5.8	2.2	1.6
Max	3.3	2.3	15.2	10.8	10.6	7.6

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for November, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.1 (0.4)	0.8 (0.3)	10.1 (1.5)	7.3 (1.1)	8.9 (2.0)	6.4 (1.4)
2	0.9 (0.5)	0.6 (0.3)	11.8 (1.6)	8.5 (1.2)	10.4 (2.4)	7.4 (1.7)
3	1.5 (0.5)	1.1 (0.3)	15.6 (2.3)	11.1 (1.7)	11.6 (4.0)	8.3 (2.9)
4	0.1 (0.5)	0.1 (0.3)	19.2 (3.5)	13.8 (2.5)	6.7 (2.0)	4.8 (1.4)
5	-0.3 (0.1)	-0.2 (0.1)	20.4 (4.0)	14.6 (2.8)	7.8 (4.2)	5.5 (3.0)
6	3.1 (3.0)	2.2 (2.2)	22.9 (3.5)	16.4 (2.5)	23.4 (8.7)	16.7 (6.2)
7	5.5 (1.0)	3.9 (0.7)	24.3 (5.4)	17.4 (3.8)	23.9 (12.9)	17.1 (9.3)
8	4.1 (1.8)	2.9 (1.3)	24.8 (3.9)	17.7 (2.8)	23.5 (8.8)	16.8 (6.3)
9	1.7 (1.6)	1.2 (1.1)	30.8 (6.5)	22.0 (4.7)	34.5 (11.6)	24.7 (8.3)
10	3.2 (2.2)	2.3 (1.6)	26.7 (6.3)	19.1 (4.5)	22.6 (11.1)	16.2 (8.0)
11	1.8 (1.6)	1.3 (1.1)	29.2 (4.7)	20.9 (3.4)	43.5 (16.6)	31.1 (11.9)
12	8.0 (0.6)	5.7 (0.4)	31.4 (6.4)	22.5 (4.6)	41.7 (15.2)	30.0 (10.9)
13	4.4 (0.5)	3.1 (0.3)	28.4 (5.6)	20.3 (4.0)	33.9 (15.1)	24.3 (10.8)
14	4.7 (1.0)	3.3 (0.7)	24.5 (5.0)	17.5 (3.6)	31.4 (8.8)	22.5 (6.3)
15	4.5 (0.7)	3.2 (0.5)	23.8 (3.8)	17.1 (2.7)	28.8 (8.0)	20.7 (5.8)
16	4.2 (1.2)	3.0 (0.8)	22.4 (4.3)	16.1 (3.1)	26.1 (6.8)	18.7 (4.9)
17	6.7 (1.2)	4.8 (0.8)	20.4 (3.3)	14.6 (2.4)	25.0 (5.9)	17.9 (4.2)
18	4.3 (2.0)	3.1 (1.4)	18.9 (3.6)	13.6 (2.6)	20.4 (3.7)	14.6 (2.6)
19	0.8 (0.3)	0.6 (0.2)	19.3 (3.9)	13.8 (2.8)	19.0 (4.7)	13.6 (3.4)
20	0.2 (0.1)	0.2 (0.1)	18.6 (5.9)	13.3 (4.2)	24.7 (10.4)	17.7 (7.4)
21	3.4 (2.0)	2.4 (1.4)	23.6 (4.5)	16.9 (3.2)	31.4 (8.5)	22.5 (6.1)
22	3.9 (1.6)		25.7 (6.5)	18.4 (4.6)	16.1 (4.3)	11.5 (3.1)
23	6.2 (1.6)		23.1 (4.6)	16.6 (3.3)	29.8 (8.8)	21.3 (6.3)
24	3.6 (1.7)		29.1 (7.4)	20.8 (5.3)	41.9 (12.0)	30.0 (8.6)
25	2.4 (1.2)		32.9 (7.1)	23.5 (5.1)	13.8 (3.5)	9.9 (2.5)
26	1.1 (0.3)		35.3 (5.1)	25.3 (3.6)	17.7 (8.6)	12.7 (6.2)
27	4.3 (3.7)		41.2 (6.7)	29.5 (4.8)	50.2 (11.4)	36.0 (8.2)
28	6.1 (2.7)		41.2 (8.6)	29.5 (6.1)	50.7 (14.5)	36.3 (10.4)
29	5.5 (0.3)		37.4 (11.7)	26.8 (8.4)	23.9 (6.8)	17.1 (4.9)
30	5.8 (0.8)		32.0 (5.6)	22.9 (4.0)	29.1 (10.6)	20.9 (7.6)
Mean	3.4	2.2	25.5	18.3	25.8	18.4
n	30	21	30	30	30	30
SD	2.1	1.6	7.5	5.4	11.7	8.4
Min	-0.3	-0.2	10.1	7.3	6.7	4.8
Max	8.0	5.7	41.2	29.5	50.7	36.3

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for December, 2008.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	5.0 (1.5)		37.9 (6.2)	27.1 (4.4)	32.5 (11.0)	23.3 (7.9)
2	2.5 (1.1)		40.5 (7.5)	29.0 (5.4)	25.4 (4.3)	18.2 (3.1)
3	4.8 (1.1)		39.3 (7.6)	28.2 (5.5)	26.2 (10.1)	18.7 (7.3)
4	6.0 (1.2)		37.4 (6.6)	26.7 (4.7)	52.0 (13.8)	37.3 (9.9)
5	4.6 (2.3)		30.6 (4.9)	21.9 (3.5)	44.7 (22.3)	32.0 (16.0)
6	2.7 (0.7)		32.8 (4.5)	23.5 (3.2)	34.6 (9.3)	24.7 (6.7)
7	1.4 (0.7)		33.6 (4.0)	24.1 (2.9)	26.9 (15.9)	19.2 (11.4)
8	3.4 (2.1)		31.9 (4.2)	22.8 (3.0)	61.1 (17.7)	43.8 (12.7)
9	4.9 (1.1)		32.9 (3.5)	23.5 (2.5)	63.1 (19.5)	45.2 (14.0)
10	4.8 (1.4)		31.3 (4.3)	22.3 (3.1)	62.0 (24.6)	44.4 (17.6)
11	2.7 (1.2)		32.2 (4.1)	23.0 (2.9)	38.8 (17.0)	27.8 (12.2)
12	2.4 (1.4)		36.3 (3.9)	25.9 (2.8)	36.4 (22.4)	26.0 (16.1)
13	1.9 (1.3)		43.4 (6.0)	31.0 (4.3)	25.7 (10.5)	18.4 (7.5)
14	4.0 (2.2)		31.6 (5.7)	22.6 (4.1)	48.7 (14.7)	34.8 (10.6)
15	2.3 (0.7)		34.9 (3.9)	25.0 (2.8)	53.1 (13.3)	38.0 (9.5)
16	2.5 (1.2)		32.8 (4.4)	23.5 (3.2)	28.5 (11.4)	20.4 (8.2)
17	2.5 (1.2)		36.2 (7.6)	25.9 (5.5)	38.5 (16.8)	27.5 (12.0)
18	2.6 (0.8)		42.1 (12.4)	30.1 (8.9)	55.5 (17.3)	39.7 (12.4)
19	2.6 (1.0)	1.9 (0.7)	38.9 (9.6)	27.8 (6.9)	53.0 (17.9)	37.9 (12.8)
20	2.6 (2.3)	1.8 (1.6)	44.7 (9.9)	32.0 (7.1)	67.5 (20.6)	48.4 (14.8)
21	4.9 (1.5)	3.5 (1.1)	42.7 (12.3)	30.6 (8.8)	52.7 (21.0)	37.8 (15.0)
22	3.1 (1.5)	2.2 (1.0)	39.5 (9.3)	28.3 (6.7)	51.3 (11.2)	36.8 (8.0)
23	4.6 (0.7)	3.3 (0.5)	40.6 (9.1)	29.0 (6.5)	50.0 (10.8)	35.8 (7.8)
24	3.8 (0.7)	2.7 (0.5)	36.2 (7.6)	25.9 (5.5)	43.8 (9.4)	31.4 (6.7)
25	2.0 (0.4)	1.4 (0.3)	37.6 (7.2)	26.9 (5.2)	43.9 (8.2)	31.4 (5.9)
26	1.6 (1.1)	1.1 (0.7)	37.8 (10.6)	27.0 (7.6)	40.1 (18.5)	28.7 (13.3)
27	3.1 (0.9)	2.2 (0.6)	35.1 (8.6)	25.1 (6.2)	20.4 (3.6)	14.6 (2.6)
28	3.1 (1.0)	2.2 (0.7)	34.2 (10.0)	24.5 (7.2)	16.7 (4.6)	12.0 (3.3)
29	2.5 (1.0)	1.8 (0.7)	35.2 (10.4)	25.2 (7.5)	34.0 (8.3)	24.3 (5.9)
30	2.7 (0.6)	1.9 (0.5)	40.2 (8.4)	28.8 (6.0)	21.0 (7.2)	15.0 (5.2)
31	2.8 (1.1)	2.0 (0.8)	40.0 (8.1)	28.6 (5.8)	49.7 (10.2)	35.6 (7.3)
Mean	3.2	2.2	36.8	26.3	41.9	30
n	31	13	31	31	31	31
SD	1.1	0.6	3.8	2.8	13.7	9.8
Min	1.4	1.1	30.6	21.9	16.7	12.0
Max	6.0	3.5	44.7	32.0	67.5	48.4

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for January, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	5.1 (0.6)	3.6 (0.5)	36.9 (9.5)	26.4 (6.8)	53.7 (13.4)	38.5 (9.7)
2	4.0 (0.9)	2.9 (0.6)	36.8 (6.7)	26.4 (4.8)	51.6 (8.3)	37.0 (6.0)
3	1.0 (0.6)	0.7 (0.5)	39.5 (6.2)	28.3 (4.5)	34.2 (12.5)	24.5 (9.0)
4	2.8 (1.0)	2.0 (0.7)	36.7 (9.5)	26.3 (6.8)	46.6 (16.9)	33.4 (12.2)
5	2.8 (1.6)	2.0 (1.1)	37.1 (7.2)	26.5 (5.1)	51.5 (9.1)	36.9 (6.5)
6	3.4 (2.4)	2.4 (1.7)	37.8 (7.4)	27.1 (5.3)	38.6 (10.2)	27.7 (7.3)
7	5.1 (1.4)	3.6 (1.0)	39.5 (10.4)	28.3 (7.4)	44.2 (12.0)	31.7 (8.6)
8	2.2 (1.9)	1.5 (1.3)	39.5 (8.1)	28.2 (5.8)	27.1 (6.9)	19.4 (4.9)
9	3.0 (1.8)	2.2 (1.3)	38.2 (8.4)	27.3 (6.0)	40.7 (8.0)	29.1 (5.7)
10	3.7 (1.5)	2.6 (1.1)	38.0 (9.6)	27.2 (6.9)	29.6 (4.9)	21.2 (3.5)
11	4.3 (0.9)	3.1 (0.7)	37.3 (9.1)	26.7 (6.5)	32.3 (14.6)	23.1 (10.5)
12	4.6 (1.0)	3.3 (0.7)	37.4 (10.8)	26.8 (7.8)	20.7 (4.6)	14.8 (3.3)
13	4.7 (0.9)	3.4 (0.6)	33.0 (9.3)	23.6 (6.7)	37.1 (6.1)	26.6 (4.4)
14	4.6 (1.2)	3.3 (0.8)	32.9 (8.7)	23.5 (6.3)	45.7 (10.4)	32.8 (7.4)
15	5.5 (0.8)	3.9 (0.6)	34.0 (10.1)	24.3 (7.2)	45.4 (12.6)	32.5 (9.1)
16	4.3 (1.8)	3.0 (1.3)	31.6 (10.4)	22.7 (7.5)	39.8 (9.2)	28.6 (6.6)
17	4.0 (0.3)	2.8 (0.2)	31.2 (5.1)	22.3 (3.7)	28.9 (4.3)	20.7 (3.1)
18	3.6 (0.5)	2.5 (0.3)	27.8 (4.7)	19.9 (3.4)	34.1 (6.3)	24.4 (4.5)
19	3.9 (1.7)	2.7 (1.2)	24.5 (5.1)	17.6 (3.6)	35.5 (8.0)	25.4 (5.8)
20	3.1 (1.5)	2.2 (1.0)	22.8 (3.4)	16.3 (2.4)	33.9 (8.4)	24.3 (6.0)
21	3.6 (1.5)	2.6 (1.1)	26.5 (4.8)	19.0 (3.4)	34.5 (7.9)	24.7 (5.7)
22	3.7 (2.3)	2.7 (1.6)	30.9 (5.3)	22.1 (3.8)	35.8 (8.3)	25.7 (6.0)
23	2.1 (0.7)	1.5 (0.5)	32.6 (4.4)	23.4 (3.1)	41.8 (9.1)	30.0 (6.5)
24	3.8 (2.4)	2.7 (1.7)	32.8 (6.0)	23.5 (4.3)	36.8 (7.8)	26.4 (5.6)
25	2.7 (1.5)	1.9 (1.1)	37.3 (5.8)	26.7 (4.1)	36.1 (9.1)	25.9 (6.6)
26	0.5 (0.2)	0.3 (0.2)	37.7 (3.8)	27.0 (2.7)	39.2 (7.4)	28.1 (5.3)
27	2.1 (1.0)	1.5 (0.7)	34.6 (3.7)	24.7 (2.6)	36.2 (7.9)	26.0 (5.7)
28	3.5 (1.5)	2.5 (1.1)	32.2 (4.1)	23.0 (2.9)	35.7 (9.3)	25.5 (6.7)
29	4.9 (1.3)	3.5 (0.9)	33.2 (4.8)	23.8 (3.4)	31.9 (7.8)	22.8 (5.6)
30	4.7 (1.2)	3.4 (0.8)	36.2 (4.8)	26.0 (3.5)	29.5 (9.1)	21.2 (6.5)
31	3.5 (1.7)	2.5 (1.2)	34.4 (4.5)	24.6 (3.2)	31.5 (9.7)	22.6 (6.9)
Mean	3.6	2.5	34.2	24.5	37.4	26.8
n	31	31	31	31	31	31
SD	1.2	0.8	4.3	3.1	7.4	5.3
Min	0.5	0.3	22.8	16.3	20.7	14.8
Max	5.5	3.9	39.5	28.3	53.7	38.5

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for February, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.9 (0.8)	1.4 (0.6)	33.6 (6.0)	24.0 (4.3)	28.9 (9.6)	20.7 (6.9)
2	1.9 (0.1)	1.3 (0.1)	34.4 (5.6)	24.7 (4.0)	28.0 (7.7)	20.0 (5.5)
3	2.3 (0.4)	1.6 (0.3)	31.2 (5.5)	22.3 (3.9)	26.5 (7.6)	19.0 (5.4)
4	2.5 (0.6)	1.8 (0.4)	28.9 (3.8)	20.7 (2.7)	26.1 (7.8)	18.7 (5.6)
5	2.9 (0.7)	2.1 (0.5)	30.4 (3.5)	21.8 (2.5)	25.8 (5.1)	18.5 (3.7)
6	2.7 (1.0)	1.9 (0.7)	30.5 (5.5)	21.9 (4.0)	28.3 (7.0)	20.3 (5.0)
7	1.8 (1.4)	1.3 (1.0)	30.5 (5.1)	21.8 (3.7)	29.7 (8.9)	21.3 (6.4)
8	2.5 (1.3)	1.8 (0.9)	26.6 (4.8)	19.1 (3.5)	28.2 (8.2)	20.2 (5.9)
9	1.1 (0.9)	0.8 (0.7)	27.5 (3.5)	19.7 (2.5)	32.5 (6.3)	23.3 (4.6)
10	0.3 (0.2)	0.2 (0.1)	17.8 (7.3)	12.8 (5.2)	28.4 (10.1)	20.6 (7.2)
11	0.4 (0.2)	0.3 (0.1)	9.6 (4.9)	6.8 (3.5)	16.3 (7.1)	11.6 (5.1)
12	-0.1 (0.1)	-0.1 (0.1)	3.4 (0.5)	2.4 (0.4)	7.0 (6.4)	5.0 (4.6)
13	-0.2 (0.0)	-0.1 (0.0)	3.2 (0.4)	2.3 (0.3)	3.3 (0.5)	2.4 (0.3)
14	-0.1 (0.1)	-0.1 (0.1)	3.5 (0.3)	2.5 (0.2)	3.5 (0.7)	2.5 (0.5)
15	-0.1 (0.1)	-0.1 (0.1)	3.6 (0.8)	2.5 (0.6)	4.1 (1.2)	2.9 (0.8)
16	-0.1 (0.1)	-0.1 (0.0)	4.1 (0.6)	2.9 (0.5)	5.4 (1.7)	3.8 (1.2)
17	0.0 (0.1)	0.0 (0.1)	5.3 (1.1)	3.8 (0.8)	9.3 (3.3)	6.6 (2.4)
18	0.3 (0.3)	0.2 (0.2)	6.7 (2.1)	4.8 (1.5)	12.0 (6.7)	8.6 (4.8)
19	0.5 (0.4)	0.4 (0.3)	8.2 (3.2)	5.9 (2.3)	15.0 (9.1)	10.8 (6.5)
20	0.2 (0.3)	0.2 (0.2)	9.9 (4.2)	7.1 (3.0)	17.3 (10.2)	12.4 (7.3)
21	0.6 (0.3)	0.4 (0.2)	12.1 (4.9)	8.6 (3.5)	16.1 (9.6)	11.5 (6.9)
22	1.1 (0.7)	0.8 (0.5)	12.1 (4.3)	8.7 (3.1)	13.0 (6.8)	9.3 (4.9)
23	1.3 (0.5)	0.9 (0.3)	12.3 (4.1)	8.8 (2.9)	14.4 (6.9)	10.3 (5.0)
24	1.0 (0.6)	0.7 (0.4)	15.9 (6.0)	11.4 (4.3)	18.4 (10.1)	13.2 (7.2)
25	0.4 (0.5)	0.3 (0.3)	18.5 (7.7)	13.3 (5.5)	19.7 (11.0)	14.1 (7.9)
26	1.2 (0.7)	0.9 (0.5)	19.7 (7.5)	14.1 (5.4)	20.4 (10.2)	14.6 (7.3)
27	0.5 (0.5)	0.3 (0.4)	23.9 (10.3)	17.1 (7.4)	24.6 (14.9)	17.6 (10.6)
28	1.0 (0.6)	0.7 (0.4)	20.8 (9.4)	14.9 (6.7)	14.8 (6.7)	10.6 (4.8)
Mean	1	0.7	17.3	12.4	18.5	13.2
n	28	28	28	28	28	28
SD	0.9	0.7	10.6	7.6	8.9	6.4
Min	-0.2	-0.1	3.2	2.3	3.3	2.4
Max	2.9	2.1	34.4	24.7	32.5	23.3

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for March, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	2.6 (0.7)	1.8 (0.5)	22.1 (5.4)	15.8 (3.9)	24.7 (8.9)	17.7 (6.4)
2	1.5 (0.6)	1.1 (0.4)	22.4 (6.7)	16.1 (4.8)	24.6 (11.5)	17.6 (8.3)
3	2.4 (0.8)	1.7 (0.6)	24.7 (8.3)	17.7 (6.0)	33.3 (16.4)	23.9 (11.8)
4	3.2 (0.9)	2.3 (0.6)	29.6 (10.4)	21.2 (7.4)	42.4 (16.9)	30.4 (12.2)
5	2.4 (0.7)	1.7 (0.5)	30.2 (12.6)	21.6 (9.0)	43.2 (21.4)	30.9 (15.3)
6	2.5 (1.3)	1.7 (0.9)	26.9 (8.7)	19.2 (6.3)	42.3 (20.9)	30.3 (15.0)
7	1.3 (0.6)	0.9 (0.4)	25.7 (9.7)	18.4 (6.9)	37.9 (22.2)	27.1 (15.9)
8	2.9 (1.5)	2.1 (1.1)	25.3 (10.3)	18.1 (7.3)	32.2 (18.6)	23.0 (13.4)
9	0.9 (0.4)	0.7 (0.3)	34.0 (9.1)	24.3 (6.5)	34.3 (19.1)	24.5 (13.7)
10	1.0 (0.5)	0.7 (0.4)	28.2 (13.6)	20.3 (9.7)	31.5 (19.8)	22.7 (14.2)
11	2.1 (1.0)	1.5 (0.7)	28.3 (12.3)	20.5 (8.7)		
12	1.0 (0.4)	0.7 (0.3)	38.3 (14.3)	27.4 (10.2)	41.2 (23.4)	29.5 (16.8)
13	1.2 (0.3)	0.9 (0.2)	26.3 (12.5)	18.8 (9.0)	36.4 (20.5)	26.1 (14.6)
14	0.9 (0.4)	0.6 (0.3)	36.1 (12.4)	25.8 (8.9)	39.0 (18.7)	27.9 (13.4)
15	3.0 (1.0)	2.1 (0.7)	31.3 (10.6)	22.4 (7.6)	33.1 (16.2)	23.7 (11.6)
16	3.0 (1.0)	2.1 (0.7)	27.2 (9.2)	19.5 (6.6)	30.4 (13.6)	21.8 (9.8)
17	1.3 (0.4)	0.9 (0.3)	24.6 (6.5)	17.6 (4.6)	29.9 (12.3)	21.4 (8.8)
18	2.1 (1.8)	1.6 (1.4)	22.6 (5.9)	16.6 (4.6)	28.9 (13.7)	22.0 (10.5)
19	3.8 (1.6)	2.7 (1.2)	18.9 (4.6)	13.5 (3.4)	21.2 (8.0)	15.2 (5.8)
20	1.2 (0.2)	0.9 (0.1)	19.2 (5.4)	13.8 (3.9)	20.2 (7.2)	14.5 (5.2)
21	2.4 (1.2)	1.7 (0.8)	20.0 (4.7)	14.4 (3.4)	22.2 (8.1)	15.9 (5.8)
22	2.1 (0.8)	1.5 (0.6)	25.8 (3.4)	18.4 (2.5)	32.2 (12.0)	23.1 (8.6)
23	1.3 (0.5)	0.9 (0.3)	24.4 (5.2)	17.4 (3.7)	28.9 (13.5)	20.6 (9.7)
24	4.8 (1.1)	3.4 (0.8)	23.5 (6.2)	16.8 (4.4)	30.1 (11.5)	21.5 (8.2)
25	2.7 (1.5)	2.0 (1.1)	22.7 (6.6)	16.3 (4.7)	22.7 (10.0)	16.3 (7.2)
26	1.0 (0.1)	0.7 (0.1)	20.6 (5.7)	14.7 (4.1)	21.2 (9.2)	15.2 (6.6)
27						
28						
29						
30						
31						
Mean	2.1	1.5	26.1	18.7	31.4	22.5
n	26	26	26	26	25	25
SD	1	0.7	4.9	3.5	7	5
Min	0.9	0.6	18.9	13.5	20.2	14.5
Max	4.8	3.4	38.3	27.4	43.2	30.9

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for April, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15	0.8 (0.2)	0.6 (0.2)	21.9 (3.7)	15.6 (2.7)	8.9 (1.0)	6.3 (0.7)
16	1.0 (0.1)	0.7 (0.1)	20.1 (4.3)	14.4 (3.1)	8.0 (0.8)	5.7 (0.6)
17	1.2 (0.1)	0.8 (0.1)	18.7 (4.8)	13.4 (3.5)	13.7 (2.8)	9.8 (2.0)
18	1.6 (0.2)	1.2 (0.1)	15.8 (2.9)	11.3 (2.1)	11.7 (1.0)	8.4 (0.7)
19	2.4 (0.4)	1.7 (0.3)	13.6 (1.7)	9.8 (1.2)	11.3 (1.4)	8.1 (1.0)
20	1.2 (0.2)	0.9 (0.1)	11.7 (0.6)	8.4 (0.5)	9.6 (1.2)	6.9 (0.8)
21	2.1 (1.0)	1.5 (0.7)	10.8 (0.7)	7.7 (0.5)	8.6 (0.9)	6.2 (0.6)
22	1.5 (0.3)	1.1 (0.2)	9.9 (0.8)	7.1 (0.6)	7.0 (0.8)	5.0 (0.6)
23	1.0 (0.3)	0.7 (0.2)	8.8 (1.0)	6.3 (0.7)	6.0 (1.0)	4.3 (0.7)
24	0.7 (0.1)	0.5 (0.1)	8.8 (1.2)	6.3 (0.9)	5.2 (1.3)	3.7 (1.0)
25	0.8 (0.2)	0.6 (0.1)	8.7 (0.9)	6.2 (0.7)	4.1 (0.3)	2.9 (0.2)
26	0.7 (0.1)	0.5 (0.0)	8.7 (1.0)	6.2 (0.7)	4.8 (0.6)	3.4 (0.4)
27	0.8 (0.2)	0.6 (0.1)	9.4 (1.3)	6.7 (0.9)	5.1 (0.6)	3.6 (0.4)
28	0.9 (0.2)	0.6 (0.1)	11.1 (1.2)	7.9 (0.9)	6.3 (1.3)	4.5 (0.9)
29	0.8 (0.0)	0.6 (0.0)	11.6 (1.5)	8.3 (1.1)	6.1 (1.2)	4.4 (0.9)
30	0.7 (0.1)	0.5 (0.1)	10.8 (1.7)	7.7 (1.2)	6.5 (1.0)	4.6 (0.7)
Mean	1.1	0.8	12.5	9	7.7	5.5
n	16	16	16	16	16	16
SD	0.5	0.4	4.2	3	2.7	1.9
Min	0.7	0.5	8.7	6.2	4.1	2.9
Max	2.4	1.7	21.9	15.6	13.7	9.8

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for May, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	1.3 (0.3)	0.9 (0.2)	9.8 (1.4)	7.0 (1.0)	7.3 (0.9)	5.2 (0.6)
2	2.7 (1.4)	1.9 (1.0)	10.5 (2.0)	7.6 (1.4)	8.8 (1.6)	6.3 (1.1)
3	2.6 (1.8)	1.8 (1.3)	11.1 (1.8)	8.0 (1.3)	8.9 (1.0)	6.4 (0.7)
4	2.1 (1.1)	1.5 (0.8)	9.9 (2.0)	7.1 (1.4)	9.3 (1.3)	6.7 (0.9)
5	1.1 (0.1)	0.8 (0.1)	7.6 (1.1)	5.5 (0.8)	7.8 (0.7)	5.6 (0.5)
6	1.0 (0.1)	0.7 (0.1)	6.3 (0.6)	4.5 (0.4)	7.1 (1.0)	5.1 (0.7)
7	0.9 (0.2)	0.7 (0.1)	5.1 (0.5)	3.7 (0.3)	5.9 (1.0)	4.2 (0.7)
8	0.7 (0.1)	0.5 (0.1)	4.5 (0.4)	3.2 (0.3)	6.1 (1.0)	4.4 (0.7)
9	0.7 (0.1)	0.5 (0.1)	3.3 (0.6)	2.4 (0.4)	5.5 (1.0)	4.0 (0.7)
10	0.7 (0.1)	0.5 (0.1)	3.1 (0.3)	2.3 (0.2)	4.6 (0.5)	3.3 (0.4)
11	0.6 (0.1)	0.4 (0.0)	2.6 (0.3)	1.9 (0.2)	3.2 (0.6)	2.3 (0.4)
12	0.4 (0.1)	0.3 (0.0)	2.2 (0.3)	1.6 (0.2)	2.8 (0.8)	2.0 (0.6)
13	0.4 (0.1)	0.3 (0.0)	2.1 (0.2)	1.5 (0.1)	3.0 (0.6)	2.1 (0.4)
14	0.5 (0.1)	0.3 (0.0)	2.2 (0.3)	1.6 (0.2)	3.1 (0.7)	2.2 (0.5)
15	0.6 (0.1)	0.5 (0.0)	2.4 (0.2)	1.7 (0.1)	3.3 (0.7)	2.3 (0.5)
16	1.0 (0.2)	0.7 (0.1)	2.7 (0.3)	1.9 (0.2)	4.2 (0.5)	3.0 (0.4)
17	2.2 (0.9)	1.6 (0.7)	2.7 (0.4)	1.9 (0.3)	4.4 (0.8)	3.2 (0.6)
18	0.7 (0.1)	0.5 (0.0)	2.4 (0.3)	1.7 (0.2)	3.8 (0.8)	2.7 (0.6)
19	0.5 (0.1)	0.4 (0.1)	2.1 (0.2)	1.5 (0.1)	3.1 (0.4)	2.2 (0.3)
20	0.3 (0.1)	0.2 (0.0)	1.8 (0.2)	1.3 (0.2)	2.3 (0.3)	1.7 (0.2)
21	0.4 (0.0)	0.3 (0.0)	1.8 (0.2)	1.3 (0.2)	2.3 (0.3)	1.7 (0.2)
22	0.4 (0.1)	0.3 (0.0)	1.8 (0.2)	1.3 (0.1)	2.2 (0.3)	1.6 (0.2)
23	0.4 (0.1)	0.3 (0.0)	1.7 (0.2)	1.2 (0.1)	2.0 (0.3)	1.5 (0.2)
24	0.3 (0.1)	0.2 (0.0)	1.6 (0.2)	1.2 (0.1)	2.0 (0.3)	1.5 (0.2)
25	0.6 (0.4)	0.4 (0.3)	1.7 (0.2)	1.2 (0.2)	2.2 (0.6)	1.6 (0.4)
26	1.1 (0.4)	0.8 (0.3)	1.9 (0.2)	1.4 (0.2)	2.5 (0.5)	1.8 (0.4)
27	1.1 (0.4)	0.8 (0.3)	2.0 (0.2)	1.5 (0.2)	3.1 (0.6)	2.3 (0.4)
28	0.6 (0.1)	0.4 (0.1)	1.8 (0.2)	1.3 (0.2)	2.5 (0.3)	1.8 (0.3)
29	0.5 (0.0)	0.4 (0.0)	1.8 (0.2)	1.3 (0.2)	2.6 (0.4)	1.9 (0.3)
30	0.5 (0.1)	0.4 (0.1)	1.7 (0.2)	1.3 (0.1)	2.3 (0.5)	1.7 (0.4)
31	0.5 (0.1)	0.4 (0.0)	2.0 (0.2)	1.4 (0.1)	2.9 (0.4)	2.1 (0.3)
Mean	0.9	0.6	3.7	2.7	4.2	3
n	31	31	31	31	31	31
SD	0.6	0.5	2.9	2.1	2.3	1.6
Min	0.3	0.2	1.6	1.2	2.0	1.5
Max	2.7	1.9	11.1	8.0	9.3	6.7

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for June, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.5 (0.1)	0.3 (0.0)	2.1 (0.2)	1.5 (0.2)	2.9 (0.3)	2.1 (0.2)
2	0.8 (0.3)	0.6 (0.2)	2.3 (0.3)	1.7 (0.2)	2.5 (0.6)	1.8 (0.4)
3	0.6 (0.1)	0.4 (0.1)	2.8 (0.4)	2.0 (0.3)	3.4 (0.4)	2.4 (0.3)
4	0.6 (0.1)	0.4 (0.0)	3.3 (0.6)	2.4 (0.4)	3.2 (0.5)	2.3 (0.3)
5	0.6 (0.1)	0.4 (0.0)	4.7 (1.2)	3.4 (0.8)	2.9 (0.7)	2.1 (0.5)
6	0.5 (0.1)	0.4 (0.1)	6.7 (1.7)	4.8 (1.2)	3.5 (0.6)	2.5 (0.4)
7	0.5 (0.1)	0.4 (0.0)	8.3 (1.8)	6.0 (1.3)	3.4 (0.6)	2.4 (0.4)
8	0.6 (0.1)	0.4 (0.0)	10.0 (2.0)	7.1 (1.4)	3.7 (0.5)	2.6 (0.3)
9	0.6 (0.1)	0.4 (0.1)	10.6 (2.3)	7.6 (1.7)	3.1 (0.9)	2.2 (0.7)
10	0.6 (0.1)	0.4 (0.0)	10.5 (2.1)	7.5 (1.5)	3.1 (0.5)	2.2 (0.4)
11	0.6 (0.1)	0.4 (0.1)	12.6 (2.5)	9.1 (1.8)	3.0 (0.6)	2.2 (0.4)
12	0.5 (0.1)	0.4 (0.0)	12.8 (2.2)	9.2 (1.6)	3.7 (0.4)	2.6 (0.3)
13	0.7 (0.1)	0.5 (0.1)	12.7 (1.1)	9.1 (0.8)	4.4 (0.5)	3.2 (0.4)
14	0.7 (0.1)	0.5 (0.1)	13.8 (1.8)	9.9 (1.3)	4.2 (0.6)	3.0 (0.4)
15	0.7 (0.1)	0.5 (0.0)	13.9 (1.4)	10.0 (1.0)	3.7 (0.7)	2.6 (0.5)
16	0.9 (0.4)	0.6 (0.3)	14.2 (1.1)	10.2 (0.8)	4.2 (0.4)	3.0 (0.3)
17	0.8 (0.1)	0.6 (0.1)	13.8 (1.0)	9.9 (0.7)	4.4 (0.6)	3.1 (0.4)
18	1.2 (0.3)	0.9 (0.2)	13.3 (0.9)	9.6 (0.7)	4.4 (0.5)	3.2 (0.3)
19	1.3 (0.5)	0.9 (0.3)	10.9 (1.0)	7.9 (0.7)	4.1 (0.5)	3.0 (0.3)
20	1.2 (0.3)	0.9 (0.2)	10.0 (0.9)	7.1 (0.6)	3.6 (0.5)	2.6 (0.4)
21	0.9 (0.5)	0.6 (0.4)	10.1 (0.8)	7.3 (0.6)	2.9 (0.6)	2.1 (0.4)
22	0.6 (0.1)	0.4 (0.1)	9.7 (0.9)	7.0 (0.6)	3.0 (0.3)	2.1 (0.2)
23	1.0 (0.1)	0.7 (0.1)	8.5 (0.6)	6.1 (0.4)	3.1 (0.3)	2.2 (0.2)
24	0.7 (0.1)	0.5 (0.1)	7.9 (0.7)	5.7 (0.5)	2.7 (0.2)	1.9 (0.1)
25	0.6 (0.1)	0.5 (0.1)	7.2 (0.8)	5.2 (0.6)	2.5 (0.2)	1.8 (0.1)
26	0.6 (0.1)	0.4 (0.0)	7.2 (0.6)	5.2 (0.4)	2.2 (0.3)	1.6 (0.2)
27	0.9 (0.1)	0.6 (0.1)	8.1 (0.7)	5.8 (0.5)	2.8 (0.3)	2.0 (0.2)
28	0.8 (0.1)	0.6 (0.1)	8.6 (1.4)	6.2 (1.0)	2.9 (0.5)	2.1 (0.3)
29	0.5 (0.1)	0.4 (0.1)	7.8 (1.1)	5.6 (0.8)	2.5 (0.4)	1.8 (0.3)
30	0.9 (0.3)	0.6 (0.2)	6.8 (0.8)	4.9 (0.6)	2.3 (0.2)	1.7 (0.1)
Mean	0.7	0.5	9.1	6.5	3.3	2.3
n	30	30	30	30	30	30
SD	0.2	0.2	3.5	2.5	0.6	0.5
Min	0.5	0.3	2.1	1.5	2.2	1.6
Max	1.3	0.9	14.2	10.2	4.4	3.2

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for July, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.6 (0.1)	0.5 (0.1)	6.9 (0.8)	5.0 (0.6)	2.2 (0.1)	1.6 (0.1)
2	0.6 (0.1)	0.4 (0.1)	6.9 (0.9)	5.0 (0.6)	2.3 (0.4)	1.7 (0.3)
3	0.5 (0.1)	0.4 (0.1)	6.9 (0.7)	5.0 (0.5)	2.3 (0.2)	1.6 (0.1)
4	0.6 (0.1)	0.4 (0.1)	6.4 (0.5)	4.6 (0.4)	2.2 (0.2)	1.6 (0.1)
5	0.5 (0.1)	0.4 (0.1)	6.5 (0.5)	4.6 (0.4)	2.2 (0.2)	1.6 (0.1)
6	0.4 (0.0)	0.3 (0.0)	6.2 (0.7)	4.4 (0.5)	1.8 (0.2)	1.3 (0.1)
7	0.4 (0.1)	0.3 (0.1)	5.1 (0.4)	3.7 (0.3)	1.9 (0.1)	1.4 (0.1)
8	0.5 (0.1)	0.3 (0.1)	4.7 (0.4)	3.4 (0.3)	2.0 (0.1)	1.4 (0.1)
9	0.6 (0.1)	0.4 (0.1)	4.4 (0.4)	3.2 (0.3)	2.0 (0.1)	1.4 (0.1)
10	0.5 (0.1)	0.4 (0.0)	4.2 (0.6)	3.0 (0.4)	2.0 (0.2)	1.4 (0.1)
11	0.7 (0.2)	0.5 (0.2)	3.9 (0.4)	2.8 (0.3)	1.9 (0.1)	1.3 (0.1)
12	0.4 (0.0)	0.3 (0.0)	3.5 (0.4)	2.5 (0.3)	1.6 (0.1)	1.2 (0.1)
13	0.5 (0.1)	0.3 (0.1)	3.5 (0.4)	2.5 (0.3)	1.7 (0.1)	1.2 (0.1)
14	0.7 (0.1)	0.5 (0.0)	4.0 (0.7)	2.9 (0.5)	2.2 (0.5)	1.6 (0.3)
15	0.8 (0.1)	0.6 (0.1)	4.3 (0.7)	3.1 (0.5)	2.3 (0.4)	1.7 (0.3)
16	0.8 (0.1)	0.6 (0.1)	4.1 (0.7)	2.9 (0.5)	2.1 (0.3)	1.5 (0.2)
17	0.6 (0.1)	0.4 (0.1)	3.9 (0.6)	2.8 (0.5)	2.0 (0.4)	1.4 (0.3)
18	1.0 (0.3)	0.7 (0.2)	3.9 (0.6)	2.8 (0.4)	2.1 (0.3)	1.5 (0.3)
19	1.1 (0.4)	0.8 (0.3)	4.2 (0.6)	3.0 (0.5)	2.4 (0.4)	1.7 (0.3)
20	0.8 (0.1)	0.6 (0.1)	3.6 (0.5)	2.6 (0.4)	2.0 (0.2)	1.4 (0.2)
21	0.6 (0.2)	0.5 (0.1)	3.1 (0.5)	2.2 (0.3)	1.9 (0.2)	1.3 (0.2)
22	0.5 (0.1)	0.4 (0.1)	3.1 (0.5)	2.2 (0.4)	1.8 (0.2)	1.3 (0.1)
23	0.7 (0.1)	0.5 (0.1)	3.1 (0.4)	2.3 (0.3)	2.0 (0.2)	1.4 (0.1)
24	0.5 (0.0)	0.4 (0.0)	3.1 (0.5)	2.3 (0.3)	2.0 (0.2)	1.4 (0.1)
25	0.5 (0.1)	0.4 (0.1)	3.3 (0.6)	2.4 (0.5)	2.2 (0.3)	1.6 (0.2)
26	0.7 (0.1)	0.5 (0.1)	5.8 (2.2)	4.2 (1.6)	2.6 (0.3)	1.9 (0.2)
27	0.8 (0.1)	0.6 (0.1)	6.8 (0.8)	4.9 (0.6)	2.5 (0.3)	1.8 (0.2)
28	0.6 (0.1)	0.5 (0.1)	5.3 (0.5)	3.8 (0.4)	2.3 (0.3)	1.7 (0.2)
29	0.9 (0.3)	0.6 (0.2)	4.5 (0.5)	3.2 (0.3)	2.4 (0.3)	1.7 (0.2)
30	0.8 (0.1)	0.6 (0.1)	4.4 (0.6)	3.2 (0.5)	2.5 (0.3)	1.8 (0.2)
31	0.7 (0.1)	0.5 (0.0)	4.4 (0.6)	3.2 (0.5)	2.5 (0.2)	1.8 (0.2)
Mean	0.6	0.5	4.7	3.3	2.1	1.5
n	31	31	31	31	31	31
SD	0.2	0.1	1.3	0.9	0.3	0.2
Min	0.4	0.3	3.1	2.2	1.6	1.2
Max	1.1	0.8	6.9	5.0	2.6	1.9

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for August, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.6 (0.1)	0.5 (0.1)	4.1 (0.5)	3.0 (0.4)	2.3 (0.3)	1.7 (0.2)
2	0.5 (0.1)	0.4 (0.0)	3.8 (0.5)	2.7 (0.3)	1.9 (0.3)	1.4 (0.2)
3	0.5 (0.1)	0.4 (0.1)	3.6 (0.3)	2.6 (0.2)	1.9 (0.2)	1.3 (0.2)
4	0.6 (0.1)	0.4 (0.1)	3.8 (0.4)	2.7 (0.3)	2.3 (0.2)	1.6 (0.1)
5	0.6 (0.1)	0.4 (0.1)	3.5 (0.4)	2.5 (0.3)	2.2 (0.2)	1.6 (0.2)
6	0.5 (0.1)	0.4 (0.1)	3.4 (0.3)	2.5 (0.2)	2.2 (0.2)	1.6 (0.2)
7	0.6 (0.1)	0.4 (0.1)	3.7 (0.4)	2.7 (0.3)	2.3 (0.3)	1.6 (0.2)
8	0.7 (0.1)	0.5 (0.1)	3.8 (0.4)	2.7 (0.3)	2.6 (0.3)	1.8 (0.2)
9	1.3 (0.1)	0.9 (0.1)	3.9 (0.4)	2.8 (0.3)	2.7 (0.4)	1.9 (0.3)
10	1.2 (0.2)	0.9 (0.2)	3.8 (0.4)	2.7 (0.3)	2.3 (0.3)	1.7 (0.2)
11	0.6 (0.1)	0.5 (0.0)	3.5 (0.5)	2.5 (0.4)	2.1 (0.3)	1.5 (0.2)
12	0.7 (0.1)	0.5 (0.1)	3.5 (0.4)	2.5 (0.3)	2.1 (0.2)	1.5 (0.1)
13	0.6 (0.1)	0.4 (0.1)	3.4 (0.4)	2.4 (0.3)	1.9 (0.2)	1.3 (0.2)
14	0.4 (0.1)	0.3 (0.0)	2.8 (0.3)	2.0 (0.2)	1.7 (0.2)	1.2 (0.2)
15	0.6 (0.2)	0.5 (0.2)	3.0 (0.4)	2.2 (0.3)	1.7 (0.1)	1.2 (0.1)
16	0.7 (0.2)	0.5 (0.2)	3.1 (0.3)	2.2 (0.2)	1.8 (0.2)	1.3 (0.2)
17	0.8 (0.1)	0.6 (0.1)	3.1 (0.4)	2.2 (0.3)	1.9 (0.2)	1.3 (0.2)
18	0.7 (0.1)	0.5 (0.1)	3.3 (0.4)	2.4 (0.3)	1.9 (0.2)	1.4 (0.1)
19	0.8 (0.2)	0.6 (0.1)	3.7 (0.4)	2.7 (0.3)	2.1 (0.2)	1.5 (0.1)
20	0.6 (0.1)	0.4 (0.1)	3.0 (0.8)	2.1 (0.5)	2.1 (0.2)	1.5 (0.1)
21	0.8 (0.2)	0.6 (0.2)	2.2 (0.4)	1.6 (0.3)	2.5 (0.3)	1.8 (0.2)
22	2.2 (0.7)	1.6 (0.5)	2.6 (0.5)	1.9 (0.4)	2.8 (0.6)	2.0 (0.5)
23	1.5 (0.5)	1.1 (0.4)	2.3 (0.3)	1.7 (0.2)	2.3 (0.5)	1.6 (0.3)
24	0.5 (0.1)	0.3 (0.0)	2.2 (0.2)	1.6 (0.1)	1.5 (0.3)	1.1 (0.2)
25	0.5 (0.1)	0.4 (0.1)	2.6 (0.4)	1.8 (0.3)	1.5 (0.2)	1.1 (0.2)
26	0.8 (0.3)	0.6 (0.2)	3.1 (0.7)	2.2 (0.5)	1.6 (0.2)	1.2 (0.2)
27	0.4 (0.0)	0.3 (0.0)	3.5 (1.0)	2.5 (0.7)	1.6 (0.2)	1.1 (0.1)
28	0.7 (0.1)	0.5 (0.1)	4.1 (1.1)	2.9 (0.8)	1.9 (0.2)	1.3 (0.1)
29	1.0 (0.2)	0.7 (0.1)	4.9 (0.9)	3.5 (0.7)	2.2 (0.4)	1.6 (0.3)
30	1.1 (0.3)	0.8 (0.2)	4.9 (0.6)	3.5 (0.4)	2.7 (0.5)	1.9 (0.4)
31	0.6 (0.0)	0.4 (0.0)	4.2 (0.6)	3.0 (0.4)	2.4 (0.4)	1.7 (0.3)
Mean	0.8	0.5	3.4	2.5	2.1	1.5
n	31	31	31	31	31	31
SD	0.4	0.3	0.7	0.5	0.4	0.3
Min	0.4	0.3	2.2	1.6	1.5	1.1
Max	2.2	1.6	4.9	3.5	2.8	2.0

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for September, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1						
2						
3						
4						
5	0.5 (0.1)	0.4 (0.1)	3.6 (0.9)	2.6 (0.7)	2.8 (0.6)	2.0 (0.5)
6	0.5 (0.1)	0.3 (0.1)	3.4 (0.7)	2.4 (0.5)	2.8 (0.3)	2.0 (0.2)
7	0.5 (0.1)	0.4 (0.1)	4.0 (0.9)	2.8 (0.7)	3.4 (0.5)	2.5 (0.4)
8	1.6 (0.8)	1.1 (0.6)	4.7 (1.2)	3.3 (0.8)	4.0 (1.3)	2.9 (1.0)
9	1.1 (0.4)	0.8 (0.3)	4.6 (1.1)	3.3 (0.8)	3.7 (0.6)	2.7 (0.5)
10	0.7 (0.1)	0.5 (0.1)	5.3 (0.9)	3.8 (0.7)	4.2 (0.8)	3.0 (0.5)
11	0.9 (0.3)	0.7 (0.2)	5.4 (1.1)	3.9 (0.8)	4.6 (0.9)	3.3 (0.7)
12	1.0 (0.2)	0.7 (0.1)	4.9 (1.0)	3.5 (0.7)	3.9 (0.5)	2.8 (0.3)
13	0.9 (0.3)	0.6 (0.2)	4.3 (1.2)	3.1 (0.8)	3.8 (0.8)	2.7 (0.6)
14	0.7 (0.1)	0.5 (0.1)	4.4 (1.1)	3.2 (0.8)	4.0 (0.8)	2.9 (0.6)
15	1.0 (0.2)	0.7 (0.2)	6.5 (1.2)	4.7 (0.9)	5.7 (0.8)	4.1 (0.6)
16	0.9 (0.1)	0.6 (0.1)	6.4 (1.6)	4.6 (1.2)	5.8 (0.6)	4.2 (0.5)
17	1.2 (0.2)	0.8 (0.2)	7.5 (1.7)	5.4 (1.3)	6.5 (0.8)	4.6 (0.6)
18	2.2 (0.4)	1.6 (0.3)	8.4 (1.3)	6.1 (0.9)	6.9 (0.7)	5.0 (0.5)
19	1.5 (0.4)	1.1 (0.3)	7.2 (1.0)	5.2 (0.7)	5.3 (0.6)	3.8 (0.4)
20	1.1 (0.2)	0.8 (0.1)	6.0 (1.5)	4.3 (1.0)	5.3 (0.9)	3.8 (0.7)
21	1.4 (0.6)	1.0 (0.4)	6.4 (0.8)	4.6 (0.6)	5.1 (0.6)	3.6 (0.4)
22	1.2 (0.4)	0.8 (0.3)	6.1 (0.8)	4.4 (0.6)	4.9 (0.8)	3.6 (0.6)
23	1.1 (0.3)	0.8 (0.2)	5.2 (0.5)	3.7 (0.4)	4.3 (0.4)	3.1 (0.3)
24	0.9 (0.3)	0.6 (0.2)	4.4 (0.8)	3.1 (0.6)	3.8 (0.6)	2.7 (0.4)
25	1.2 (0.8)	0.9 (0.6)	4.1 (0.8)	2.9 (0.6)	3.6 (0.5)	2.6 (0.4)
26	1.8 (0.2)	1.3 (0.2)	4.8 (0.8)	3.4 (0.6)	4.1 (0.9)	3.0 (0.6)
27	2.2 (0.5)	1.6 (0.3)	5.0 (0.6)	3.6 (0.4)	4.0 (0.4)	2.9 (0.3)
28	0.8 (0.6)	0.6 (0.4)	3.4 (0.8)	2.4 (0.5)	2.7 (0.4)	1.9 (0.3)
29	0.3 (0.1)	0.2 (0.0)	1.6 (0.3)	1.2 (0.2)	1.5 (0.3)	1.1 (0.2)
30	0.3 (0.1)	0.2 (0.1)	1.8 (0.2)	1.3 (0.1)	1.6 (0.3)	1.1 (0.2)
Mean	1.1	0.8	5	3.6	4.2	3
n	26	26	26	26	26	26
SD	0.5	0.3	1.6	1.1	1.3	0.9
Min	0.3	0.2	1.6	1.2	1.5	1.1
Max	2.2	1.6	8.4	6.1	6.9	5.0

Table E8. Daily means (SD) of NH₃ concentrations at Site CA2B for October, 2009.

Day	Inlet		House 5		House 6	
	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³	ppm	mg dsm ⁻³
1	0.7 (0.2)	0.5 (0.1)	2.1 (0.2)	1.5 (0.2)	2.4 (0.7)	1.7 (0.5)
2	1.2 (0.1)	0.9 (0.1)	2.5 (0.4)	1.8 (0.3)	3.0 (0.5)	2.2 (0.3)
3	0.6 (0.1)	0.5 (0.1)	2.5 (0.5)	1.8 (0.4)	2.7 (0.5)	1.9 (0.4)
4	0.4 (0.1)	0.3 (0.1)	3.0 (0.7)	2.1 (0.5)	2.2 (0.7)	1.5 (0.5)
5	0.3 (0.1)	0.2 (0.1)	3.5 (0.9)	2.5 (0.6)	4.1 (1.1)	2.9 (0.8)
6	0.4 (0.1)	0.3 (0.1)	4.7 (0.8)	3.3 (0.6)	3.1 (0.6)	2.2 (0.4)
7	0.7 (0.2)	0.5 (0.2)	4.8 (0.8)	3.4 (0.6)	4.8 (1.1)	3.4 (0.8)
8	0.5 (0.1)	0.4 (0.1)	5.0 (0.9)	3.6 (0.6)	5.3 (1.1)	3.8 (0.8)
9	0.5 (0.1)	0.4 (0.1)	6.3 (1.3)	4.5 (0.9)	7.0 (1.8)	5.0 (1.3)
10	0.5 (0.1)	0.3 (0.1)	6.6 (1.2)	4.7 (0.8)	6.5 (1.6)	4.6 (1.2)
11	0.4 (0.1)	0.3 (0.0)	6.9 (1.2)	4.9 (0.8)	6.8 (2.0)	4.9 (1.4)
12	0.7 (0.3)	0.5 (0.2)	7.2 (1.8)	5.1 (1.3)	9.7 (4.6)	6.9 (3.3)
13	0.9 (0.1)	0.6 (0.1)	10.1 (3.2)	7.2 (2.3)	8.8 (1.7)	6.3 (1.2)
14	1.7 (0.4)	1.2 (0.3)	9.7 (1.9)	6.9 (1.4)	7.5 (1.1)	5.4 (0.8)
15	0.9 (0.3)	0.7 (0.2)	8.6 (1.1)	6.2 (0.8)	6.2 (1.1)	4.4 (0.8)
16	1.0 (0.4)	0.7 (0.3)	9.8 (1.6)	7.0 (1.2)	6.7 (1.4)	4.8 (1.0)
17	2.3 (0.4)	1.6 (0.3)	11.3 (1.4)	8.1 (1.0)	7.9 (0.9)	5.7 (0.6)
18	1.1 (0.4)	0.8 (0.3)	11.5 (1.0)	8.3 (0.7)	8.0 (1.7)	5.8 (1.2)
19	1.2 (0.4)	0.8 (0.3)	13.3 (3.9)	9.6 (2.8)	14.1 (4.4)	10.1 (3.2)
20	2.6 (1.7)	1.8 (1.2)	14.8 (3.6)	10.6 (2.6)	15.9 (4.9)	11.4 (3.5)
21	2.4 (1.0)	1.7 (0.7)	13.3 (3.2)	9.6 (2.3)	13.9 (5.1)	10.0 (3.7)
22	2.0 (0.5)	1.4 (0.4)	13.5 (1.9)	9.7 (1.4)	14.7 (4.4)	10.5 (3.2)
23	3.1 (1.1)	2.2 (0.8)	13.0 (2.1)	9.3 (1.5)	13.1 (3.9)	9.4 (2.8)
24	2.0 (1.2)	1.4 (0.8)	12.3 (1.7)	8.8 (1.2)	11.7 (3.0)	8.4 (2.2)
25	1.8 (0.9)	1.3 (0.7)	11.4 (2.5)	8.2 (1.8)	10.6 (2.5)	7.6 (1.8)
26	2.9 (0.6)	2.1 (0.4)	10.9 (1.9)	7.8 (1.3)	10.3 (1.9)	7.4 (1.4)
27	0.4 (0.4)	0.3 (0.3)	10.6 (1.4)	7.5 (1.0)	5.0 (1.5)	3.6 (1.1)
28	0.3 (0.1)	0.2 (0.1)	10.6 (1.6)	7.6 (1.1)	7.7 (1.6)	5.5 (1.1)
29	1.3 (0.5)	1.0 (0.4)	10.4 (1.1)	7.4 (0.8)	11.1 (3.1)	8.0 (2.2)
30	2.6 (0.7)	1.8 (0.5)			14.0 (5.1)	10.0 (3.7)
31	2.8 (1.3)	2.0 (0.9)			11.4 (4.3)	8.2 (3.1)
Mean	1.3	0.9	8.6	6.2	8.3	5.9
n	31	31	29	29	31	31
SD	0.9	0.6	3.8	2.7	4	2.8
Min	0.3	0.2	2.1	1.5	2.2	1.5
Max	3.1	2.2	14.8	10.6	15.9	11.4

Table E9. H2S concentrations

Table E9. Daily means (SD) of H2S concentrations at Site CA2B for October, 2007.

Day	Inlet		House 5		House 6	
	ppb	$\mu\text{g dsm}^{-3}$	ppb	$\mu\text{g dsm}^{-3}$	ppb	$\mu\text{g dsm}^{-3}$
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16	1 (1)		18 (4)		7 (3)	
17	1 (1)		20 (4)		8 (3)	
18	2 (2)		18 (7)		8 (3)	
19	2 (2)					
20	0 (1)		19 (4)		6 (2)	
21	0 (1)		19 (5)		5 (2)	
22	1 (1)		16 (7)		4 (1)	
23	2 (1)		12 (4)		6 (2)	
24	2 (2)		11 (4)		5 (2)	
25	4 (3)	6 (4)	15 (5)	21 (7)	10 (6)	14 (8)
26	2 (3)	3 (4)	17 (6)	24 (8)	9 (3)	12 (5)
27	2 (2)	3 (3)	16 (7)	23 (10)	8 (3)	11 (4)
28	1 (1)	2 (1)	13 (4)	18 (6)	8 (3)	11 (4)
29	2 (1)	3 (2)	13 (3)	18 (5)	9 (3)	13 (5)
30	1 (1)	1 (1)	19 (6)	27 (9)	11 (3)	16 (4)
31	2 (2)	3 (3)	18 (5)	26 (7)	15 (4)	22 (5)
Mean	1.6	3	16.1	22.3	7.9	14.3
n	16	7	15	7	15	7
SD	0.9	1.3	2.8	3.2	2.7	3.4
Min	0.3	1.1	10.8	18.0	4.4	11.3
Max	4.0	5.7	20.0	26.5	15.1	21.7

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for November, 2007.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	3 (2)	5 (3)	13 (7)	19 (10)	13 (8)	19 (11)
2	2 (1)	3 (2)	8 (2)	12 (2)	9 (2)	13 (3)
3	3 (2)	5 (2)	8 (2)	12 (4)	11 (3)	16 (4)
4	2 (1)	2 (1)	7 (1)	10 (2)	10 (2)	14 (3)
5	3 (2)	4 (3)	9 (3)	13 (4)	12 (3)	18 (4)
6	5 (3)	7 (4)	10 (3)	15 (4)	14 (4)	20 (6)
7	3 (2)	4 (2)	11 (3)	15 (5)	15 (4)	22 (6)
8	2 (1)	3 (2)	10 (3)	14 (4)	16 (6)	23 (8)
9	5 (3)	7 (4)	10 (3)	14 (4)	15 (4)	21 (6)
10	4 (5)	6 (6)	10 (4)	14 (6)	17 (7)	24 (10)
11	2 (1)	2 (1)	8 (2)	12 (3)	10 (5)	15 (7)
12	3 (2)	4 (3)	12 (3)	18 (5)	26 (11)	37 (16)
13	2 (1)	3 (2)	10 (3)	14 (4)	19 (7)	27 (10)
14	2 (1)					
15	2 (1)	3 (2)	11 (2)	16 (3)	15 (3)	22 (4)
16	2 (1)	3 (2)	10 (2)	14 (3)	12 (3)	18 (5)
17	2 (1)	3 (1)	12 (4)	17 (5)	20 (8)	29 (11)
18	3 (3)	5 (4)	12 (4)	18 (5)	17 (6)	24 (8)
19	1 (1)	1 (1)	10 (2)	15 (2)	14 (3)	19 (5)
20	4 (2)	5 (3)	13 (3)	18 (4)	26 (9)	37 (12)
21	2 (2)	3 (3)	12 (4)	17 (6)	14 (9)	19 (14)
22	3 (2)	4 (2)	11 (4)	16 (5)	24 (10)	34 (14)
23	3 (2)	4 (2)	11 (3)	15 (4)	26 (12)	37 (17)
24	4 (2)	6 (3)	10 (4)	15 (5)	26 (10)	37 (14)
25	4 (2)	6 (2)	13 (3)	19 (4)	32 (10)	46 (15)
26	2 (1)	3 (2)	13 (5)	18 (7)	29 (13)	42 (19)
27	3 (1)	4 (2)	12 (3)	17 (4)	26 (9)	37 (12)
28	1 (1)	2 (1)	12 (4)	16 (5)	30 (11)	43 (16)
29	4 (2)	6 (3)	13 (3)	18 (5)	27 (10)	38 (14)
30	1 (1)	2 (2)	13 (3)	19 (5)	34 (10)	48 (15)
Mean	2.7	3.9	10.8	15.4	19.2	27.5
n	30	29	29	29	29	29
SD	1	1.4	1.7	2.4	7.2	10.3
Min	1.0	1.4	6.8	9.7	8.7	12.5
Max	4.7	6.6	13.2	19.0	33.5	47.8

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for December, 2007.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	3 (1)	4 (2)	15 (5)	21 (7)	33 (12)	47 (18)
2	2 (1)	3 (1)	12 (4)	17 (6)	29 (11)	42 (16)
3	2 (1)	3 (2)	10 (4)	15 (6)	24 (11)	34 (16)
4	2 (1)	3 (1)	11 (1)	15 (2)	22 (5)	32 (8)
5	1 (1)	2 (1)	12 (3)	17 (4)	24 (9)	35 (12)
6	2 (1)	3 (2)	14 (2)	20 (3)	29 (5)	42 (7)
7	1 (1)	2 (1)	14 (2)	20 (3)	28 (9)	40 (13)
8	2 (1)	2 (1)	18 (4)	26 (5)	42 (9)	60 (14)
9	2 (2)	3 (3)	17 (4)	24 (5)	36 (7)	52 (10)
10	2 (1)	3 (1)	16 (3)	23 (4)	34 (6)	49 (9)
11	2 (2)	3 (3)	17 (4)	24 (6)	34 (9)	48 (13)
12	3 (1)	4 (2)	16 (4)	23 (6)	32 (8)	45 (11)
13	3 (1)	4 (2)	15 (4)	22 (5)	33 (6)	47 (9)
14	4 (2)	5 (3)	15 (3)	21 (4)	31 (7)	45 (10)
15	4 (3)	5 (4)	17 (4)	24 (5)	34 (8)	49 (11)
16	4 (2)	5 (2)	21 (6)	29 (8)	35 (12)	50 (17)
17	3 (1)	5 (1)	18 (3)	25 (4)	34 (7)	49 (10)
18	4 (2)	6 (3)	17 (2)	24 (3)	29 (8)	41 (11)
19	2 (1)	3 (1)	18 (3)	25 (4)	29 (8)	41 (11)
20	3 (1)	5 (1)	18 (4)	26 (5)	27 (10)	39 (14)
21	3 (2)	4 (4)	20 (3)	30 (4)	37 (6)	54 (9)
22	3 (1)	5 (2)	22 (5)	31 (7)	39 (7)	56 (10)
23	4 (2)	6 (3)	23 (5)	32 (7)	43 (9)	61 (12)
24	3 (1)	4 (1)	23 (5)	33 (7)	41 (7)	59 (11)
25	2 (1)	4 (2)	21 (3)	30 (5)	35 (9)	49 (13)
26	2 (1)	3 (2)	20 (2)	28 (3)	39 (7)	56 (10)
27	3 (1)	4 (1)	20 (4)	29 (6)	39 (7)	56 (9)
28	1 (1)	2 (1)	20 (3)	28 (4)	38 (3)	55 (5)
29	2 (1)	3 (1)	20 (5)	29 (7)	31 (12)	44 (17)
30	3 (2)	4 (2)	23 (4)	33 (6)	17 (1)	25 (2)
31	1 (1)	2 (2)	29 (5)	41 (6)	28 (12)	40 (18)
Mean	2.6	3.6	17.8	25.4	32.5	46.4
n	31	31	31	31	31	31
SD	0.8	1.2	4	5.7	5.9	8.5
Min	1.3	1.8	10.4	14.9	17.4	24.8
Max	4.4	6.3	28.8	41.1	42.6	60.9

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for January, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	3 (1)	5 (2)	31 (6)	44 (9)	52 (10)	74 (14)
2	3 (1)		27 (7)	38 (10)	49 (10)	70 (14)
3	4 (1)	6 (2)	14 (6)	20 (9)	33 (13)	47 (18)
4	2 (1)	3 (1)	12 (3)	17 (4)	34 (9)	49 (13)
5	4 (2)	6 (3)	27 (5)	39 (8)	46 (10)	66 (14)
6	4 (1)	6 (2)	27 (6)	38 (9)	40 (8)	57 (12)
7	3 (2)		19 (6)	27 (9)	39 (9)	56 (13)
8	5 (3)		16 (4)	23 (6)	42 (7)	60 (10)
9	3 (2)		11 (2)	16 (3)	45 (7)	64 (10)
10	3 (1)		8 (1)	11 (2)	43 (8)	61 (12)
11	2 (0)		6 (2)	9 (2)	45 (7)	64 (10)
12	1 (0)		5 (2)	8 (3)	41 (9)	59 (13)
13	2 (0)		6 (4)	9 (5)	41 (13)	58 (18)
14	4 (2)		7 (2)	10 (3)	51 (13)	74 (18)
15	4 (1)		8 (2)	11 (3)	70 (11)	
16	5 (2)		8 (4)	12 (5)	61 (8)	87 (12)
17	5 (3)		8 (3)	11 (4)	64 (10)	92 (14)
18	4 (2)		7 (2)	10 (3)	59 (10)	84 (15)
19	5 (2)		7 (2)	10 (3)	61 (11)	87 (16)
20	5 (2)		6 (2)	9 (2)	60 (10)	86 (14)
21	3 (1)		6 (1)	8 (2)	62 (6)	89 (8)
22	4 (1)		5 (1)	8 (2)	63 (7)	91 (9)
23	11 (8)		5 (1)	7 (1)	60 (4)	86 (6)
24	2 (1)					
25	4 (1)	6 (2)	4 (1)	5 (1)	32 (15)	
26	3 (1)	5 (1)	4 (1)	5 (2)	14 (2)	
27	3 (0)	4 (0)	4 (1)	5 (2)	14 (2)	
28	3 (1)	4 (2)	3 (1)	5 (1)	9 (1)	
29	7 (2)	9 (2)	3 (1)	5 (2)	40 (17)	58 (25)
30	9 (3)	13 (5)	4 (2)	5 (3)	30 (20)	44 (29)
31	5 (1)	6 (1)	6 (2)	8 (2)	65 (7)	94 (11)
Mean	4.1	6.1	10.1	14.4	45.4	70.2
n	31	12	30	30	30	25
SD	2	2.7	7.9	11.3	15.5	15.3
Min	1.4	3.3	3.2	4.5	9.3	43.5
Max	11.3	13.4	30.7	43.8	69.9	93.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for February, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	4 (1)	5 (1)	4 (1)	5 (2)	58 (11)	84 (16)
2	8 (5)	11 (6)	5 (2)	8 (3)	57 (4)	82 (5)
3	2 (1)	3 (1)	6 (1)	8 (2)	49 (6)	70 (9)
4	4 (3)	6 (4)	8 (2)	11 (2)	49 (7)	70 (11)
5	2 (1)	3 (1)	9 (3)	13 (4)	43 (7)	61 (10)
6	3 (1)	4 (1)	10 (2)	14 (3)	40 (8)	57 (12)
7	4 (2)	6 (3)	11 (3)	16 (4)	31 (10)	45 (14)
8	4 (2)	5 (2)	10 (2)	14 (3)	12 (2)	17 (3)
9	6 (2)	9 (3)	14 (6)	20 (8)	24 (16)	34 (23)
10	5 (2)	7 (3)	23 (6)	33 (8)	42 (12)	61 (17)
11	8 (3)	11 (4)	29 (5)	42 (7)	50 (7)	72 (10)
12	6 (3)	9 (4)	26 (8)	37 (12)	36 (14)	52 (20)
13	2 (0)	3 (0)	23 (6)	33 (9)	28 (11)	40 (16)
14	2 (1)					
15	3 (1)	4 (1)	24 (4)	34 (6)	33 (7)	47 (10)
16	3 (1)	4 (1)	26 (6)	36 (9)	36 (10)	51 (14)
17	4 (1)	5 (2)	26 (6)	37 (9)	36 (12)	52 (17)
18	6 (5)	9 (7)	26 (6)	37 (8)	37 (8)	53 (12)
19	3 (1)	4 (2)	30 (7)	43 (10)	33 (10)	48 (15)
20	8 (4)	11 (5)	32 (7)	46 (9)	16 (4)	24 (6)
21	5 (4)	8 (5)	37 (5)	53 (7)	18 (3)	26 (5)
22	4 (1)	6 (2)	36 (5)	52 (7)	18 (3)	26 (5)
23	5 (1)	6 (2)	37 (6)	53 (9)	18 (3)	26 (4)
24	4 (1)	6 (2)	37 (10)	53 (15)	19 (3)	27 (5)
25	3 (1)	4 (1)	39 (6)	56 (8)	34 (18)	48 (26)
26	4 (1)	6 (1)	38 (8)	54 (11)	38 (18)	55 (26)
27	6 (2)	8 (3)	37 (7)	54 (10)	42 (12)	61 (17)
28	5 (3)	7 (4)	33 (10)	48 (14)	33 (12)	48 (18)
29	3 (1)	5 (1)	28 (8)	40 (12)	15 (6)	21 (9)
Mean	4.3	6.2	23.6	33.8	33.7	48.3
n	29	28	28	28	28	28
SD	1.7	2.4	11.6	16.6	12.5	18
Min	1.5	2.7	3.8	5.4	12.2	17.4
Max	7.7	11.0	39.1	56.1	58.3	83.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for March, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (1)	3 (1)	34 (5)	48 (6)	11 (2)	15 (3)
2	3 (2)	4 (2)	32 (6)	46 (9)	9 (2)	13 (4)
3	5 (1)	8 (2)	27 (9)	39 (13)	15 (10)	22 (14)
4	6 (2)	9 (2)	23 (10)	32 (15)	35 (9)	50 (13)
5	6 (3)	9 (4)	17 (6)	25 (8)	27 (12)	39 (17)
6	4 (1)	5 (1)	17 (5)	24 (7)	22 (12)	31 (17)
7	3 (1)	4 (2)	16 (5)	23 (7)	14 (6)	20 (8)
8	2 (0)	2 (0)	15 (5)	21 (8)	12 (5)	17 (7)
9	2 (1)	3 (1)	14 (8)	20 (12)	12 (8)	17 (12)
10	3 (3)	4 (4)	12 (4)	17 (6)	12 (5)	18 (7)
11	3 (1)	4 (2)	14 (4)	20 (5)	15 (5)	22 (8)
12	1 (0)	2 (1)	16 (6)	23 (8)	19 (7)	27 (10)
13	2 (0)	2 (0)	15 (4)	21 (6)	20 (6)	29 (9)
14	2 (1)					
15	2 (0)	3 (1)	21 (5)	30 (7)	32 (5)	45 (7)
16	3 (2)	4 (3)	18 (6)	25 (9)	22 (7)	32 (10)
17	5 (3)	7 (4)	19 (6)	28 (9)	27 (8)	39 (12)
18	2 (1)	3 (1)	16 (6)	23 (8)	24 (9)	34 (13)
19	2 (0)	3 (1)	18 (5)	26 (7)	24 (10)	35 (14)
20	1 (0)	2 (1)	22 (5)	32 (7)	24 (6)	34 (9)
21	3 (1)	4 (2)	22 (8)	32 (12)	18 (5)	26 (8)
22	3 (2)	5 (3)	21 (10)	30 (15)	21 (6)	30 (8)
23	4 (2)	6 (3)	17 (9)	25 (12)	18 (8)	25 (11)
24	1 (0)	2 (0)	17 (7)	24 (10)	11 (4)	16 (6)
25	1 (1)	1 (1)	14 (5)	20 (7)	10 (4)	14 (5)
26	1 (1)	1 (1)	17 (5)	24 (7)	9 (3)	13 (4)
27	1 (1)	2 (1)	22 (6)	31 (9)	8 (2)	12 (2)
28	1 (1)	2 (1)	14 (6)	20 (9)	6 (3)	9 (4)
29	1 (0)	1 (0)	18 (4)	25 (6)	7 (2)	10 (2)
30	3 (2)	4 (3)	17 (5)	24 (7)	5 (1)	8 (2)
31	8 (7)	11 (9)	17 (6)	24 (8)	5 (2)	7 (3)
Mean	2.8	4	18.6	26.6	16.4	23.5
n	31	30	30	30	30	30
SD	1.7	2.4	5	7.1	7.9	11.3
Min	0.8	1.2	11.8	16.9	4.8	6.8
Max	7.6	10.8	33.5	48.0	34.9	49.9

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for April, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (2)	3 (2)	15 (8)	21 (11)	3 (2)	4 (3)
2	3 (2)	4 (3)	12 (5)	17 (7)	4 (2)	6 (3)
3	2 (1)	3 (1)	12 (7)	18 (10)	3 (2)	5 (3)
4	2 (1)	2 (1)	11 (6)	16 (9)	3 (2)	4 (2)
5	0 (1)	0 (1)	13 (5)	18 (8)	3 (1)	4 (2)
6	0 (0)	0 (0)	14 (5)	20 (7)	2 (1)	3 (1)
7	0 (0)	1 (0)	14 (6)	20 (9)	2 (2)	3 (2)
8	0 (0)	1 (1)	15 (5)	21 (7)	3 (3)	5 (4)
9	0 (1)	0 (1)	15 (6)	21 (8)	2 (1)	3 (1)
10	0 (0)	1 (0)	13 (7)	19 (10)	2 (1)	3 (2)
11	1 (0)	1 (1)	10 (4)	14 (6)	3 (2)	4 (3)
12	1 (0)	2 (1)	10 (4)	14 (6)	2 (1)	3 (2)
13	1 (0)	2 (0)	8 (2)	11 (3)	2 (1)	2 (1)
14	0 (1)	1 (1)	9 (3)	13 (4)	1 (1)	2 (1)
15	1 (0)	1 (1)	14 (5)	20 (7)	1 (1)	2 (1)
16	1 (0)	1 (1)	10 (5)	15 (7)	1 (1)	2 (1)
17	2 (1)					
18	1 (0)					
19	1 (0)					
20	0 (0)	1 (0)	13 (5)	18 (7)	1 (1)	1 (1)
21	0 (0)	0 (0)	13 (3)	19 (4)	1 (0)	1 (1)
22	1 (1)	1 (1)	14 (4)	20 (6)	1 (1)	2 (2)
23	0 (1)	1 (1)	14 (4)	20 (5)	1 (1)	2 (1)
24	0 (0)	0 (0)	12 (6)	17 (8)	1 (1)	2 (1)
25	1 (0)	1 (0)	10 (3)	15 (5)	3 (1)	4 (2)
26	2 (2)	3 (2)	9 (3)	12 (4)	3 (1)	5 (2)
27	3 (1)	4 (1)	9 (3)	12 (5)	4 (1)	6 (2)
28	2 (1)	3 (1)	8 (3)	12 (4)	4 (2)	6 (3)
29	1 (0)	1 (0)	9 (3)	13 (4)	6 (1)	8 (2)
30	1 (1)	1 (1)	10 (3)	14 (4)	7 (2)	10 (3)
Mean	1	1.4	11.5	16.5	2.6	3.7
n	30	27	27	27	27	27
SD	0.8	1.2	2.3	3.2	1.5	2.2
Min	0.2	0.2	7.6	10.9	0.7	1.0
Max	3.0	4.2	14.8	21.1	7.3	10.4

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for May, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (0)	1 (1)	9 (4)	13 (6)	5 (3)	8 (4)
2	1 (0)	2 (1)	8 (3)	11 (4)	7 (3)	11 (4)
3	2 (1)	3 (2)	9 (3)	12 (4)	8 (2)	11 (3)
4	1 (0)	1 (1)	8 (4)	12 (5)	7 (2)	11 (3)
5	1 (0)	2 (0)	9 (3)	12 (5)	8 (2)	11 (3)
6	1 (0)	2 (0)	8 (2)	11 (3)	9 (3)	13 (4)
7	0 (1)	1 (1)	7 (2)	10 (3)	8 (2)	11 (3)
8	2 (1)	2 (1)	8 (3)	12 (4)	8 (2)	12 (3)
9	2 (1)	3 (1)	7 (2)	10 (3)	9 (3)	13 (4)
10	1 (0)	2 (0)	8 (3)	11 (4)	12 (6)	18 (9)
11	1 (0)					
12	1 (0)					
13	1 (1)	2 (1)	6 (2)	9 (3)	8 (3)	12 (4)
14	4 (2)	5 (3)	7 (2)	10 (2)	9 (3)	13 (4)
15	4 (1)	6 (2)	8 (2)	12 (2)	10 (1)	15 (2)
16	4 (1)	5 (2)	8 (2)	12 (3)	9 (3)	13 (4)
17	3 (2)	5 (2)	6 (2)	9 (3)	10 (2)	14 (4)
18	1 (1)	2 (1)	6 (2)	8 (3)	9 (2)	12 (2)
19	3 (2)	4 (2)	7 (2)	10 (2)	10 (2)	14 (3)
20	2 (0)	2 (0)	6 (2)	9 (3)	11 (3)	16 (4)
21	1 (0)	1 (0)	7 (5)	10 (7)	11 (5)	16 (7)
22	1 (0)	1 (0)	9 (10)	13 (14)	8 (3)	12 (4)
23	2 (1)	3 (2)	5 (1)	8 (1)	9 (3)	13 (4)
24	1 (0)	2 (1)	8 (2)	12 (3)	14 (3)	20 (4)
25	1 (1)	2 (1)	8 (2)	11 (3)	17 (5)	24 (7)
26	1 (1)	2 (1)	7 (1)	10 (2)	14 (6)	20 (8)
27	1 (0)	2 (1)	8 (2)	12 (2)	14 (5)	20 (7)
28	1 (0)	2 (0)	8 (2)	12 (3)	13 (5)	19 (7)
29	1 (0)	2 (0)	10 (4)	15 (6)	14 (4)	19 (5)
30	1 (0)	2 (1)	10 (3)	14 (4)	12 (5)	18 (7)
31	1 (0)	2 (1)	10 (3)	14 (4)	12 (5)	17 (7)
Mean	1.6	2.3	7.7	11	10.1	14.5
n	31	29	29	29	29	29
SD	0.9	1.3	1.2	1.7	2.6	3.8
Min	0.4	0.6	5.4	7.8	5.2	7.5
Max	3.9	5.6	10.4	14.9	17.0	24.3

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for June, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (0)	2 (1)	13 (4)	18 (5)	11 (4)	16 (6)
2	1 (0)	2 (1)	16 (5)	22 (7)	11 (4)	15 (6)
3	1 (0)	1 (0)	10 (4)	15 (6)	10 (3)	14 (5)
4	1 (0)	1 (1)	5 (5)	7 (7)	9 (4)	13 (6)
5	1 (0)	2 (0)	2 (2)	3 (2)	8 (3)	11 (4)
6	1 (0)	2 (1)	2 (1)	3 (1)	7 (2)	10 (2)
7	1 (0)	2 (1)	2 (1)	3 (1)	6 (2)	9 (3)
8	1 (0)	2 (0)	2 (1)	3 (1)	6 (1)	9 (2)
9	1 (0)	1 (0)	5 (3)	7 (4)	6 (1)	9 (2)
10	1 (0)	1 (1)	3 (1)	4 (1)	4 (2)	6 (2)
11	1 (1)	2 (1)	4 (3)	5 (4)	4 (1)	6 (1)
12	2 (1)	3 (2)	6 (2)	9 (3)	5 (1)	6 (1)
13	1 (0)	2 (0)	4 (3)	6 (4)	5 (2)	8 (2)
14	2 (0)	2 (0)	2 (1)		5 (1)	7 (2)
15	1 (1)	2 (1)	2 (1)		6 (1)	8 (2)
16	1 (0)	2 (0)	2 (1)		5 (1)	8 (2)
17	2 (0)	2 (1)	2 (1)		5 (1)	8 (2)
18	1 (1)	1 (1)	1 (0)		4 (1)	6 (2)
19	1 (0)	1 (0)	2 (1)		4 (1)	6 (1)
20	1 (0)	1 (0)	3 (1)		5 (2)	8 (2)
21	1 (0)	1 (1)	2 (1)		6 (2)	8 (3)
22	1 (1)	2 (1)	1 (0)		4 (1)	5 (1)
23	2 (1)	3 (1)	1 (1)		5 (1)	7 (2)
24	1 (1)	2 (1)	2 (1)		5 (1)	8 (2)
25	2 (1)	3 (1)	1 (1)		6 (2)	9 (3)
26	2 (1)	3 (1)	2 (1)		7 (2)	10 (2)
27	2 (1)	2 (1)	2 (2)		7 (1)	10 (2)
28	2 (0)	3 (0)	2 (1)		6 (1)	9 (2)
29	2 (0)	2 (0)	2 (0)		7 (2)	10 (3)
30	2 (1)	3 (1)	2 (0)		7 (2)	10 (3)
Mean	1.3	1.8	3.4	8.1	6.2	8.9
n	30	30	30	13	30	30
SD	0.4	0.5	3.4	6	1.8	2.6
Min	0.6	0.9	1.0	2.7	3.6	5.1
Max	2.0	2.8	15.6	22.3	10.9	15.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for July, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (1)	2 (1)	3 (1)		7 (3)	11 (5)
2	2 (1)	3 (2)	3 (1)		7 (2)	10 (3)
3	1 (0)	1 (1)	3 (1)		7 (2)	10 (3)
4	1 (0)	1 (0)	3 (1)		7 (2)	9 (3)
5	1 (0)	2 (0)	6 (1)		8 (2)	11 (3)
6	1 (0)	2 (0)	6 (1)		8 (2)	12 (3)
7	2 (2)	3 (2)	8 (2)		9 (2)	13 (3)
8	2 (1)	3 (1)	8 (1)	12 (2)	10 (2)	14 (3)
9	2 (0)	2 (0)	6 (1)	9 (2)	7 (2)	10 (3)
10	1 (0)	2 (0)	6 (1)	9 (2)	7 (2)	10 (2)
11	1 (0)	2 (0)	7 (2)	10 (3)	6 (2)	9 (2)
12	1 (0)	1 (0)	6 (1)	9 (2)	6 (1)	9 (2)
13	1 (0)	1 (1)	6 (1)	8 (1)	6 (2)	8 (2)
14	1 (1)	2 (1)	5 (1)	7 (2)	5 (1)	7 (2)
15	1 (1)	2 (1)	6 (1)	9 (1)	5 (1)	8 (2)
16						
17						
18						
19						
20						
21						
22						
23	3 (1)	5 (2)	8 (2)	11 (2)	9 (3)	13 (4)
24	2 (0)	3 (1)	7 (2)	10 (3)	9 (2)	13 (3)
25	2 (1)	3 (1)	7 (1)	10 (1)	10 (2)	14 (3)
26	2 (0)	2 (1)	6 (1)	8 (2)	8 (2)	11 (3)
27	1 (1)	2 (1)	6 (1)	8 (2)	6 (2)	9 (3)
28	1 (0)	2 (0)	6 (2)	9 (2)	6 (1)	8 (2)
29	1 (1)	2 (1)	7 (1)	9 (2)	6 (2)	8 (2)
30	1 (0)	1 (1)	7 (1)	10 (2)	6 (1)	8 (2)
31	1 (0)	1 (1)	7 (1)	11 (2)	7 (1)	9 (2)
Mean	1.5	2.1	5.9	9.2	7.1	10.2
n	24	24	24	17	24	24
SD	0.6	0.9	1.4	1.2	1.4	2
Min	0.6	0.9	2.8	7.1	4.8	6.9
Max	3.4	4.9	8.2	11.8	9.8	14.1

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for August, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (1)	3 (1)	8 (2)	11 (2)	6 (1)	9 (2)
2	1 (0)	2 (1)	8 (1)	11 (2)	7 (2)	10 (2)
3	1 (1)	2 (1)	7 (1)	11 (2)	7 (2)	10 (3)
4	2 (0)	2 (0)	8 (1)	12 (2)	7 (2)	10 (2)
5	1 (1)	1 (1)	8 (1)	11 (2)	6 (1)	9 (2)
6	1 (1)	1 (1)	7 (1)	10 (2)	5 (1)	8 (1)
7	2 (1)	2 (1)	7 (1)	10 (2)	6 (2)	8 (2)
8	2 (1)	2 (1)	8 (2)	11 (2)	6 (1)	8 (2)
9	1 (0)	1 (0)	8 (2)	11 (3)	5 (2)	8 (2)
10	1 (0)	2 (1)	8 (2)	12 (2)	6 (2)	8 (2)
11	2 (0)	3 (1)	9 (2)	13 (2)	6 (3)	9 (4)
12	1 (0)	2 (1)	9 (2)	13 (3)	6 (2)	9 (3)
13	4 (3)	6 (5)	11 (3)	16 (4)	7 (2)	10 (3)
14	5 (3)	7 (4)	10 (3)	15 (4)	6 (2)	8 (3)
15	1 (1)	2 (1)	8 (2)	11 (3)	5 (1)	7 (2)
16	1 (0)	1 (1)	8 (1)	11 (2)	4 (1)	6 (1)
17	1 (1)	2 (1)	8 (3)	12 (4)	5 (1)	7 (2)
18	1 (0)	2 (0)	13 (6)	19 (9)	5 (1)	8 (2)
19	1 (1)	2 (1)	8 (1)	12 (2)	6 (1)	8 (2)
20	1 (1)	1 (1)	9 (1)	13 (2)	6 (1)	9 (2)
21	1 (0)	1 (0)	9 (3)	13 (4)	6 (1)	8 (2)
22	2 (0)	3 (1)	11 (3)	16 (4)	7 (3)	10 (4)
23	1 (1)	2 (1)	9 (2)	13 (2)	10 (9)	14 (13)
24	1 (1)	1 (1)	9 (2)	14 (2)	5 (1)	8 (2)
25	1 (0)	1 (1)	9 (2)	12 (2)	4 (1)	6 (2)
26	1 (1)	2 (1)	9 (1)	13 (2)	5 (1)	7 (2)
27	3 (1)	4 (1)	9 (2)	13 (3)	5 (1)	7 (2)
28	2 (1)	3 (2)	12 (2)	17 (3)	6 (2)	9 (3)
29	1 (0)	1 (0)	13 (3)	19 (5)	3 (2)	5 (2)
30	1 (0)	1 (0)	12 (3)	16 (4)	2 (1)	3 (2)
31	1 (1)	2 (1)	10 (3)	15 (4)	1 (1)	2 (1)
Mean	1.5	2.1	9.1	13	5.5	8
n	31	31	31	31	31	31
SD	0.9	1.3	1.7	2.4	1.5	2.1
Min	0.5	0.7	6.9	9.8	1.3	1.9
Max	4.7	6.8	13.2	19.0	9.6	13.7

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for September, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (1)	1 (1)	10 (2)	15 (3)	1 (1)	1 (1)
2	2 (1)	3 (1)	11 (2)	15 (3)	2 (2)	3 (2)
3	2 (1)	2 (2)	11 (2)	15 (3)	6 (5)	9 (7)
4	8 (3)	12 (4)	10 (2)	15 (2)	10 (5)	14 (7)
5	11 (6)	16 (8)	10 (2)	14 (3)	8 (4)	11 (5)
6	6 (6)	9 (8)	10 (2)	15 (4)	7 (3)	10 (4)
7	3 (2)	4 (3)	11 (2)	16 (3)	6 (3)	9 (4)
8	5 (4)	7 (6)	9 (4)	13 (5)	3 (1)	4 (2)
9	2 (1)	2 (1)	9 (3)	13 (5)	1 (0)	
10	1 (0)	1 (0)	11 (3)	16 (4)		
11	2 (2)	2 (3)	11 (1)	15 (2)		
12	2 (1)	2 (1)	11 (4)	16 (6)		
13	1 (1)	2 (1)	12 (3)	17 (5)		
14	1 (1)	2 (1)	12 (4)	17 (6)		
15	2 (1)	2 (1)	11 (3)	16 (4)		
16	1 (1)	2 (1)	10 (3)	14 (4)		
17	0 (0)		11 (4)	16 (6)		
18	1 (0)		12 (5)	17 (7)		
19	0 (0)		9 (2)	13 (3)	1 (0)	1 (0)
20	0 (0)		12 (4)	18 (5)	1 (0)	1 (0)
21	0 (0)		12 (3)	17 (5)	1 (1)	1 (1)
22	1 (0)		12 (4)	17 (5)	1 (1)	2 (1)
23	1 (1)		11 (4)	15 (5)	3 (2)	4 (2)
24	3 (1)		11 (4)	16 (5)	3 (2)	4 (3)
25	2 (1)		11 (3)	15 (4)	3 (2)	4 (3)
26	2 (1)		10 (2)	14 (3)	3 (1)	4 (2)
27	4 (3)		9 (2)	13 (3)	3 (1)	4 (2)
28	5 (3)		9 (2)	13 (3)	3 (1)	4 (2)
29	2 (2)		8 (2)	12 (2)	4 (1)	5 (1)
30	1 (0)		10 (4)	14 (6)	5 (1)	8 (2)
Mean	2.3	4.3	10.5	15	3.5	5.2
n	30	16	30	30	21	20
SD	2.5	4.3	1	1.4	2.5	3.6
Min	0.2	0.9	8.4	12.0	0.6	0.8
Max	11.4	16.3	12.3	17.7	9.9	14.2

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for October, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (1)	3 (1)	11 (2)	15 (3)	6 (1)	8 (1)
2	1 (1)	2 (1)	11 (2)	16 (3)	5 (1)	8 (1)
3	2 (1)	3 (1)	11 (3)	15 (5)	8 (3)	12 (4)
4						
5						
6						
7	4 (1)	5 (1)	13 (3)	18 (4)	10 (4)	14 (5)
8	5 (2)	7 (3)	13 (5)	19 (7)	7 (2)	11 (3)
9	2 (2)	2 (2)	11 (3)	15 (5)	7 (2)	10 (3)
10	1 (0)	1 (0)	12 (3)	17 (4)	5 (3)	8 (4)
11	0 (0)	0 (1)	13 (4)	18 (5)	3 (1)	4 (1)
12	1 (1)	1 (1)	12 (5)	17 (8)	3 (1)	5 (1)
13	2 (0)	3 (0)	10 (4)	14 (5)	5 (2)	8 (3)
14	2 (0)	3 (0)	9 (3)	13 (4)	11 (4)	16 (6)
15	3 (1)	4 (1)	10 (3)	14 (4)	9 (2)	13 (3)
16	4 (1)	5 (1)	10 (3)	14 (4)	9 (2)	13 (3)
17	3 (0)	4 (0)	9 (2)	13 (3)	8 (2)	12 (3)
18	4 (1)	5 (2)	10 (3)	14 (5)	8 (3)	11 (4)
19	2 (0)	3 (1)	10 (3)	15 (4)	9 (4)	14 (6)
20	1 (0)	2 (1)	12 (5)	17 (7)	10 (4)	14 (5)
21	3 (2)	4 (2)	11 (3)	16 (4)	9 (3)	14 (4)
22	5 (1)	7 (1)	11 (4)	16 (6)	9 (3)	13 (4)
23	6 (1)	8 (2)	10 (3)	15 (5)	9 (3)	12 (4)
24	4 (0)	6 (0)	9 (2)	14 (2)	8 (2)	11 (2)
25	4 (1)	6 (1)	10 (3)	14 (4)	7 (2)	11 (3)
26	5 (1)	8 (2)	11 (5)	16 (7)	8 (3)	12 (4)
27	6 (3)	8 (5)	11 (5)	16 (7)	8 (2)	11 (3)
28	2 (0)	3 (1)	11 (4)	15 (5)	9 (3)	13 (5)
29	3 (1)	4 (1)	10 (3)	14 (5)	9 (3)	12 (5)
30	2 (0)	3 (0)	11 (2)	15 (3)		
31	1 (0)	2 (0)	9 (2)	13 (2)	8 (1)	11 (2)
Mean	2.8	4	10.6	15.1	7.7	11
n	28	28	28	28	27	27
SD	1.5	2.2	1.1	1.6	1.9	2.8
Min	0.0	0.0	8.7	12.5	2.7	3.9
Max	5.8	8.2	12.9	18.5	10.9	15.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for November, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (1)	3 (1)	9 (2)	13 (3)	8 (2)	11 (2)
2	2 (1)	2 (1)	11 (4)	16 (6)	10 (3)	14 (5)
3	3 (1)	4 (2)	16 (6)	23 (9)	10 (5)	15 (7)
4	1 (0)	1 (0)	14 (2)	20 (3)	5 (1)	6 (1)
5	2 (1)	2 (1)	13 (3)	18 (4)	12 (9)	17 (13)
6	6 (4)	8 (5)	17 (10)	24 (15)	24 (7)	34 (10)
7	6 (2)	9 (2)	12 (4)	17 (5)	16 (8)	23 (12)
8	6 (2)	9 (3)	14 (4)	20 (5)	17 (5)	24 (8)
9	3 (3)	5 (4)	13 (2)	18 (4)	17 (4)	24 (6)
10	5 (3)	7 (4)	12 (3)	18 (5)	14 (6)	20 (9)
11	2 (1)	3 (1)	13 (3)	18 (4)	20 (5)	29 (8)
12	6 (1)	9 (2)	12 (5)	17 (7)	17 (6)	25 (9)
13	8 (1)	11 (1)	11 (4)	16 (5)	13 (6)	19 (9)
14	5 (2)	8 (2)	10 (3)	14 (4)	14 (5)	20 (7)
15	4 (0)	6 (1)	10 (3)	14 (4)	14 (5)	20 (7)
16	5 (1)	8 (1)	10 (3)	14 (4)	13 (4)	18 (5)
17	5 (0)	7 (1)	10 (3)	14 (4)	14 (5)	20 (7)
18	5 (1)	8 (2)	11 (4)	16 (6)	12 (4)	17 (5)
19	3 (1)	4 (2)	12 (5)	18 (7)	12 (4)	18 (6)
20	1 (0)	1 (0)	9 (3)	13 (4)	12 (4)	16 (6)
21	3 (1)	4 (2)	11 (2)	15 (4)	15 (4)	21 (6)
22	5 (2)		12 (4)	18 (6)	12 (6)	18 (8)
23	6 (2)		13 (5)	18 (8)	18 (6)	26 (9)
24	3 (1)		12 (3)	18 (5)	18 (5)	26 (7)
25	3 (0)		13 (5)	19 (7)	8 (2)	11 (2)
26	3 (1)		12 (3)	17 (4)	11 (5)	15 (8)
27	3 (1)		13 (3)	19 (4)	19 (2)	27 (3)
28	4 (1)		13 (3)	18 (4)	16 (2)	24 (3)
29	6 (2)		13 (4)	19 (6)	11 (5)	16 (7)
30	6 (2)		13 (3)	19 (5)	13 (5)	19 (8)
Mean	4	5.6	12.1	17.3	13.7	19.7
n	30	21	30	30	30	30
SD	1.8	2.8	1.8	2.6	3.9	5.7
Min	0.8	1.1	8.8	12.5	4.5	6.4
Max	7.5	10.7	16.8	24.1	23.8	34.2

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for December, 2008.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	4 (1)		13 (3)	19 (4)	13 (4)	18 (5)
2	2 (0)		13 (3)	18 (4)	9 (4)	13 (5)
3	3 (1)		13 (3)	19 (4)	15 (7)	21 (10)
4	3 (1)		14 (4)	20 (5)	19 (3)	27 (5)
5	3 (0)		14 (3)	20 (4)	15 (5)	22 (7)
6	2 (1)		14 (4)	20 (6)	15 (6)	22 (9)
7	2 (1)		14 (4)	20 (5)	15 (8)	21 (12)
8	5 (1)		14 (4)	20 (5)	22 (5)	32 (8)
9	5 (1)		15 (4)	22 (6)	25 (6)	35 (8)
10	5 (1)		16 (5)	22 (7)	23 (8)	33 (11)
11	7 (3)		17 (5)	24 (6)	19 (7)	27 (10)
12	2 (1)		16 (5)	22 (7)	14 (7)	19 (10)
13	2 (1)		15 (4)	21 (5)	12 (5)	17 (8)
14	3 (2)		14 (4)	20 (5)	14 (3)	21 (5)
15	2 (0)		14 (4)	20 (6)	14 (4)	20 (5)
16	2 (0)		14 (3)	20 (5)	11 (5)	16 (7)
17	3 (1)		13 (3)	19 (5)	12 (4)	17 (6)
18	3 (1)		14 (5)	21 (7)	14 (4)	20 (6)
19	2 (0)	3 (1)	12 (2)	18 (2)	16 (4)	23 (5)
20	4 (3)	5 (4)	14 (3)	21 (4)	16 (2)	23 (3)
21	3 (2)	4 (2)	15 (4)	21 (5)	16 (3)	23 (5)
22	3 (1)	4 (2)	14 (3)	20 (4)	15 (4)	22 (6)
23	3 (0)	4 (1)	13 (2)	19 (3)	15 (3)	21 (4)
24	3 (1)	4 (1)	12 (3)	17 (4)	13 (3)	19 (4)
25	1 (0)	2 (1)	13 (3)	18 (5)	13 (3)	18 (4)
26	4 (4)	5 (6)	14 (2)	20 (2)	12 (4)	17 (6)
27	5 (3)	7 (5)	17 (4)	24 (6)	14 (5)	19 (8)
28	3 (1)	5 (1)	15 (4)	22 (5)	12 (6)	17 (8)
29	5 (3)	7 (4)	16 (4)	23 (5)	16 (5)	22 (7)
30	5 (1)	7 (1)	17 (4)	24 (5)	14 (7)	20 (10)
31	3 (1)	5 (1)	16 (2)	23 (3)	17 (5)	25 (6)
Mean	3.2	4.7	14.3	20.5	15	21.5
n	31	13	31	31	31	31
SD	1.2	1.5	1.3	1.8	3.4	4.9
Min	1.2	1.7	12.1	17.3	9.4	13.4
Max	6.9	7.2	16.6	23.7	24.5	35.2

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for January, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	3 (1)	4 (1)	16 (5)	23 (7)	17 (6)	25 (9)
2	4 (1)	6 (2)	18 (3)	26 (5)	19 (5)	27 (7)
3	1 (1)	2 (2)	20 (6)	28 (9)	14 (7)	20 (10)
4	5 (2)	8 (2)	20 (6)	29 (9)	18 (6)	25 (9)
5	4 (2)	6 (3)	19 (4)	28 (6)	19 (5)	27 (7)
6	3 (2)	4 (3)	18 (5)	26 (7)	15 (6)	21 (8)
7	6 (1)	8 (1)	18 (5)	26 (7)	18 (7)	26 (9)
8	3 (1)	4 (1)	18 (5)	25 (7)	12 (5)	17 (7)
9	3 (2)	4 (2)	17 (4)	24 (5)	16 (4)	23 (5)
10	5 (1)	7 (2)	18 (4)	26 (6)	15 (6)	21 (9)
11	7 (2)	10 (3)	19 (5)	27 (7)	13 (5)	18 (7)
12	6 (1)	9 (1)	17 (4)	25 (6)	10 (4)	14 (6)
13	5 (1)	6 (2)	16 (6)	23 (9)	17 (6)	25 (8)
14	4 (2)	6 (3)	16 (5)	23 (7)	16 (4)	23 (6)
15	9 (4)	13 (6)	18 (8)	25 (11)	16 (6)	23 (8)
16	5 (4)	7 (6)	16 (6)	24 (9)	16 (6)	22 (8)
17	8 (2)	12 (3)	16 (8)	23 (11)	12 (3)	17 (4)
18	4 (2)	6 (3)	10 (3)	15 (5)	11 (4)	15 (5)
19	3 (2)	5 (3)	9 (3)	13 (4)	9 (3)	13 (4)
20	5 (3)	7 (4)	10 (4)	14 (6)	10 (4)	15 (6)
21	5 (2)	7 (3)	11 (3)	15 (4)	10 (1)	14 (2)
22	3 (2)	5 (3)	10 (2)	14 (4)	9 (2)	13 (3)
23	1 (1)	2 (1)	13 (3)	18 (5)	12 (3)	17 (4)
24	1 (1)	2 (2)	13 (4)	18 (6)	12 (2)	17 (3)
25	1 (1)	1 (1)	14 (3)	20 (4)	14 (3)	20 (5)
26	1 (1)	1 (1)	16 (3)	23 (5)	17 (3)	25 (4)
27	1 (1)	2 (2)	16 (4)	23 (5)	18 (4)	25 (6)
28	1 (1)	2 (1)	16 (5)	23 (8)	18 (5)	26 (7)
29	2 (1)	3 (1)	14 (4)	19 (6)	15 (5)	21 (6)
30	4 (3)	6 (4)	15 (5)	21 (6)	15 (5)	21 (7)
31	3 (2)	4 (3)	14 (5)	20 (7)	16 (5)	23 (7)
Mean	3.8	5.4	15.5	22.2	14.4	20.7
n	31	31	31	31	31	31
SD	2.1	3	3.1	4.4	3	4.3
Min	0.5	0.7	9.3	13.3	9.4	13.4
Max	8.8	12.6	20.4	29.2	19.1	27.4

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for February, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (0)	2 (0)	13 (5)	18 (7)	14 (5)	19 (8)
2	3 (2)	4 (2)	13 (4)	19 (6)	14 (5)	20 (7)
3	5 (1)	7 (1)	14 (5)	20 (8)	14 (5)	20 (8)
4	9 (3)	13 (4)	14 (7)	20 (10)	15 (6)	21 (8)
5	4 (1)	6 (1)	13 (4)	19 (6)	14 (4)	20 (5)
6	5 (3)	7 (4)	13 (3)	19 (4)	14 (3)	20 (4)
7	1 (1)	1 (1)	14 (4)	20 (5)	15 (5)	21 (7)
8	2 (1)	2 (2)	12 (3)	17 (4)	14 (4)	20 (6)
9	0 (1)	0 (1)	13 (3)	19 (4)	17 (5)	24 (7)
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
Mean	3.4	4.8	13.2	18.9	14.4	20.7
n	9	9	9	9	9	9
SD	2.6	3.7	0.7	0.9	1	1.4
Min	0.3	0.4	11.8	16.8	13.5	19.3
Max	8.8	12.6	14.1	20.3	16.8	24.1

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for March, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	2 (1)	3 (1)	18 (6)	26 (9)		
12	2 (0)	3 (0)	22 (6)	31 (9)	14 (6)	21 (8)
13	1 (0)	1 (0)	14 (7)	19 (9)	13 (6)	19 (8)
14	1 (1)	2 (1)	20 (5)	29 (7)	18 (6)	26 (8)
15	5 (1)	8 (2)	18 (6)	26 (8)	16 (6)	23 (9)
16	2 (1)	3 (1)	14 (6)	19 (9)	15 (7)	21 (10)
17	1 (1)	2 (1)	13 (3)	19 (4)	15 (6)	21 (8)
18	2 (1)	3 (2)	14 (5)	22 (5)	14 (6)	23 (8)
19	3 (1)	5 (2)	11 (4)	16 (5)	11 (5)	16 (7)
20	1 (0)	2 (0)	12 (5)	18 (7)	11 (5)	16 (7)
21	2 (1)	3 (1)	16 (5)	23 (7)	15 (5)	22 (7)
22	2 (1)	2 (1)	19 (3)	27 (5)	20 (4)	29 (6)
23	1 (1)	1 (2)	17 (3)	24 (5)	16 (5)	23 (7)
24	4 (2)	6 (2)	14 (4)	20 (6)	15 (5)	21 (7)
25	2 (1)	2 (2)	11 (4)	15 (5)	9 (4)	13 (6)
26	0 (1)	1 (1)	9 (3)	13 (4)	8 (3)	11 (5)
27	1 (1)	2 (1)	8 (3)	12 (5)	7 (3)	10 (5)
28	2 (1)	2 (1)	9 (4)	12 (6)	8 (4)	11 (6)
29	1 (0)	1 (0)	9 (2)	13 (3)	7 (3)	11 (4)
30	2 (0)	3 (0)	11 (3)	15 (5)	10 (4)	14 (5)
31	2 (0)	3 (0)	9 (4)	12 (5)	9 (5)	13 (8)
Mean	1.9	2.7	13.6	19.6	12.6	18.1
n	21	21	21	21	20	20
SD	1.1	1.6	4	5.7	3.8	5.5
Min	0.3	0.5	8.3	11.8	7.0	10.0
Max	5.4	7.7	21.5	30.8	20.0	28.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for April, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	2 (0)	2 (1)	8 (3)	11 (4)	6 (3)	9 (4)
2	2 (1)	3 (1)	8 (3)	12 (4)	6 (3)	8 (4)
3	1 (1)	1 (1)	10 (3)	14 (4)	11 (3)	16 (5)
4	1 (1)	1 (1)	9 (3)	12 (4)	9 (4)	14 (5)
5	4 (2)	6 (3)	7 (3)	10 (5)	7 (5)	10 (6)
6	2 (1)	2 (1)	6 (3)	9 (4)	5 (3)	7 (4)
7	1 (0)	2 (1)	8 (2)	12 (3)	8 (4)	12 (5)
8	1 (1)	2 (1)	10 (3)	14 (4)	10 (3)	15 (4)
9	2 (1)	3 (2)	12 (2)	17 (3)	11 (3)	16 (4)
10	1 (0)	1 (0)	12 (3)	18 (5)	10 (3)	14 (4)
11	1 (0)	1 (1)	11 (4)	15 (6)	9 (4)	12 (6)
12	1 (1)	1 (1)	9 (4)	12 (5)	7 (4)	9 (5)
13	1 (0)	1 (1)	7 (3)	9 (4)	6 (2)	9 (3)
14	1 (1)	2 (1)	9 (3)	13 (4)	6 (2)	9 (2)
15	0 (0)	0 (0)	8 (3)	11 (4)	3 (1)	4 (2)
16	1 (0)	1 (0)	7 (2)	11 (3)	4 (2)	5 (2)
17	1 (0)	2 (1)	7 (3)	10 (5)	6 (3)	8 (4)
18	1 (0)	2 (1)	6 (2)	9 (3)	4 (2)	6 (2)
19	2 (1)	3 (2)	6 (2)	9 (3)	5 (2)	8 (3)
20	2 (1)	2 (1)	6 (2)	9 (3)	5 (2)	7 (3)
21	2 (1)	2 (1)	6 (1)	8 (2)	4 (1)	6 (1)
22	0 (1)	1 (1)	5 (1)	8 (2)	3 (1)	5 (2)
23	1 (1)	2 (1)	6 (2)	8 (3)	4 (2)	5 (2)
24	1 (0)	2 (0)	6 (1)	9 (2)	3 (1)	4 (1)
25	1 (0)	1 (0)	7 (3)	10 (5)	4 (1)	5 (2)
26	1 (0)	1 (1)	7 (3)	10 (4)	4 (2)	6 (2)
27	1 (1)	2 (1)	6 (2)	8 (3)	4 (1)	6 (2)
28	1 (0)	1 (0)	7 (2)	10 (3)	4 (1)	6 (1)
29	1 (0)	1 (0)	6 (2)	9 (3)	4 (1)	5 (2)
30	1 (0)	1 (0)	4 (2)	6 (3)	4 (1)	6 (2)
Mean	1.2	1.7	7.5	10.7	5.8	8.3
n	30	30	30	30	30	30
SD	0.7	1	1.9	2.8	2.5	3.5
Min	0.2	0.3	4.4	6.3	2.9	4.1
Max	4.1	5.8	12.4	17.8	11.0	15.8

Table E9. Daily means (SD) of H2S concentrations at Site CA2B for May, 2009.

Day	Inlet		House 5		House 6	
	ppb	$\mu\text{g dsm}^{-3}$	ppb	$\mu\text{g dsm}^{-3}$	ppb	$\mu\text{g dsm}^{-3}$
1	2 (0)	2 (1)	4 (1)	6 (1)	5 (1)	7 (2)
2	2 (2)	3 (2)	7 (2)	10 (3)	6 (1)	9 (2)
3	3 (2)	4 (3)	10 (4)	14 (6)	7 (2)	9 (3)
4	1 (1)	2 (1)	7 (3)	10 (5)	6 (3)	9 (4)
5	1 (0)	1 (0)	4 (2)	6 (3)	5 (2)	7 (3)
6	0 (0)	0 (1)	3 (1)	4 (1)	4 (1)	6 (2)
7	1 (0)	2 (0)	2 (1)	3 (1)	4 (1)	6 (2)
8	1 (0)	1 (0)	2 (1)	3 (1)	5 (2)	7 (3)
9	1 (1)	2 (1)	1 (0)	2 (1)	4 (1)	6 (2)
10	1 (1)	2 (1)	2 (1)	2 (1)	4 (3)	6 (4)
11	0 (0)	1 (1)	1 (0)	2 (1)	3 (1)	4 (1)
12	1 (1)	1 (1)	1 (1)	2 (1)	3 (1)	4 (1)
13	1 (0)	1 (0)	1 (1)	1 (1)	3 (1)	4 (1)
14	1 (0)	1 (0)	1 (0)	2 (1)	3 (1)	5 (1)
15	1 (0)	1 (0)	1 (0)	2 (1)	3 (1)	5 (1)
16	1 (1)	2 (1)	2 (2)	3 (2)	5 (2)	6 (2)
17	3 (0)	4 (0)	2 (1)	3 (1)	4 (1)	6 (1)
18	1 (1)	2 (1)	2 (1)	3 (1)	3 (1)	5 (2)
19	1 (0)	2 (0)	1 (0)	2 (1)	3 (1)	4 (1)
20	1 (0)	1 (0)	1 (1)	2 (1)	3 (1)	4 (2)
21	1 (0)	1 (0)	1 (1)	2 (1)	2 (1)	3 (1)
22	1 (0)	1 (0)	2 (1)	2 (1)	3 (1)	4 (2)
23	0 (0)	0 (0)	1 (1)	2 (1)	3 (1)	4 (1)
24	1 (1)	1 (1)	1 (1)	2 (1)	3 (1)	4 (1)
25	2 (1)	3 (1)	1 (0)	2 (1)	3 (1)	4 (1)
26	1 (1)	2 (2)	2 (1)	3 (2)	3 (1)	5 (1)
27	2 (0)	2 (1)	2 (2)	3 (3)	4 (2)	6 (3)
28	1 (0)	1 (1)	1 (1)	2 (1)	3 (1)	4 (1)
29	1 (0)	1 (0)	1 (1)	2 (1)	3 (1)	4 (1)
30	1 (0)	1 (1)	1 (0)	2 (0)	3 (0)	4 (1)
31	1 (1)	1 (1)	2 (1)	2 (1)	3 (1)	5 (2)
Mean	1.1	1.5	2.3	3.3	3.7	5.3
n	31	31	31	31	31	31
SD	0.6	0.9	2	2.9	1.1	1.6
Min	0.2	0.3	1.0	1.4	2.4	3.4
Max	2.6	3.7	9.8	14.1	6.5	9.3

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for June, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (0)	1 (1)	2 (1)	2 (1)	3 (1)	4 (1)
2	1 (0)	1 (0)	2 (1)	3 (1)	2 (1)	4 (1)
3	1 (0)	1 (1)	2 (1)	3 (2)	3 (1)	5 (2)
4	1 (0)	1 (0)	3 (1)	4 (1)	3 (1)	4 (1)
5	1 (0)	1 (0)	4 (1)	6 (2)	3 (1)	5 (2)
6	1 (0)	1 (1)	5 (1)	7 (2)	3 (1)	5 (1)
7	1 (0)	1 (1)	6 (2)	8 (2)	3 (1)	4 (1)
8	0 (0)	0 (0)	6 (2)	8 (3)	3 (1)	4 (2)
9	0 (0)	1 (0)	5 (2)	8 (2)	2 (1)	3 (1)
10	1 (0)	1 (0)	6 (1)	9 (2)	3 (1)	4 (1)
11	1 (0)	1 (0)	7 (2)	10 (3)	3 (1)	4 (1)
12	0 (0)	0 (0)	7 (2)	10 (3)	3 (1)	4 (1)
13	0 (0)	1 (0)	7 (2)	10 (3)	3 (1)	5 (1)
14	1 (0)	1 (0)	7 (2)	10 (3)	3 (1)	5 (2)
15	1 (0)	1 (1)	7 (3)	11 (4)	3 (1)	5 (2)
16	1 (0)	1 (0)	7 (1)	11 (2)	4 (1)	5 (2)
17	1 (0)	1 (0)	9 (2)	12 (2)	4 (1)	5 (2)
18	2 (1)	3 (1)	10 (2)	14 (3)	4 (1)	5 (1)
19	2 (1)	2 (1)	9 (3)	14 (4)	4 (1)	5 (2)
20	1 (0)	1 (0)	10 (4)	14 (5)	4 (1)	5 (2)
21	1 (1)	1 (1)	10 (2)	15 (3)	3 (1)	4 (2)
22	1 (0)	1 (0)	10 (3)	14 (4)	3 (1)	4 (2)
23	2 (1)	3 (2)	10 (3)	14 (5)	3 (2)	5 (3)
24	1 (1)	2 (1)	9 (2)	13 (3)	3 (1)	4 (2)
25	1 (0)	1 (0)	9 (2)	12 (3)	3 (1)	4 (1)
26	1 (1)	2 (1)	9 (2)	13 (3)	3 (1)	4 (1)
27	2 (1)	3 (2)	10 (2)	14 (2)	4 (2)	5 (2)
28	1 (1)	2 (1)	11 (4)	16 (5)	4 (2)	6 (3)
29	1 (0)	1 (1)	9 (3)	13 (5)	3 (1)	4 (1)
30	2 (0)	2 (1)	9 (2)	13 (3)	3 (1)	4 (1)
Mean	0.9	1.3	7.2	10.3	3.1	4.4
n	30	30	30	30	30	30
SD	0.5	0.7	2.6	3.8	0.4	0.6
Min	0.2	0.3	1.7	2.4	2.4	3.4
Max	2.3	3.2	11.3	16.3	3.9	5.7

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for July, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (0)	2 (1)	9 (2)	13 (3)	3 (0)	4 (0)
2	1 (1)	1 (1)	10 (2)	14 (4)	3 (1)	4 (1)
3	1 (1)	2 (1)	10 (3)	14 (4)	3 (1)	4 (1)
4	1 (0)	1 (0)	9 (3)	13 (4)	3 (1)	4 (1)
5	1 (0)	1 (1)	10 (3)	15 (4)	3 (1)	5 (1)
6	0 (0)	0 (0)	10 (3)	14 (4)	3 (1)	4 (1)
7	1 (0)	1 (0)	8 (2)	12 (3)	3 (1)	4 (1)
8	1 (0)	1 (0)	8 (2)	12 (3)	3 (1)	4 (1)
9	1 (1)	2 (1)	9 (2)	13 (3)	3 (1)	4 (2)
10	1 (1)	2 (1)	9 (2)	13 (3)	3 (1)	5 (2)
11	1 (0)	2 (0)	8 (2)	12 (3)	3 (1)	4 (1)
12	1 (0)	1 (1)	8 (3)	11 (4)	2 (1)	3 (1)
13	1 (0)	1 (1)	9 (3)	12 (4)	3 (1)	4 (1)
14	1 (1)	2 (1)	8 (3)	12 (4)	3 (1)	5 (2)
15	2 (1)	3 (1)	9 (3)	12 (5)	4 (1)	6 (2)
16	2 (1)	2 (1)	8 (2)	12 (3)	4 (1)	5 (1)
17	1 (1)	2 (1)	8 (3)	11 (4)	3 (1)	4 (1)
18	2 (1)	2 (1)	8 (2)	12 (3)	4 (1)	5 (1)
19	2 (1)	3 (1)	9 (2)	13 (4)	4 (1)	6 (2)
20	2 (1)	3 (1)	8 (3)	12 (4)	3 (1)	5 (1)
21	2 (1)	3 (1)	8 (3)	11 (4)	3 (1)	5 (2)
22	2 (1)	3 (2)	8 (2)	11 (2)	3 (1)	5 (1)
23	2 (1)	3 (1)	8 (2)	12 (3)	4 (1)	5 (1)
24	1 (1)	1 (1)	9 (4)	13 (5)	3 (1)	5 (1)
25	1 (1)	2 (1)	10 (4)	15 (5)	4 (1)	6 (2)
26	2 (0)	2 (1)	14 (4)	20 (6)	4 (1)	6 (1)
27	2 (0)	2 (1)	13 (3)	19 (4)	4 (1)	5 (1)
28	1 (0)	1 (1)	11 (2)	15 (3)	4 (2)	6 (2)
29	1 (0)	2 (1)	10 (3)	14 (4)	4 (1)	6 (1)
30	1 (0)	2 (1)	10 (3)	14 (4)	5 (2)	8 (2)
31	1 (0)	1 (0)	9 (2)	12 (3)	5 (1)	8 (2)
Mean	1.2	1.7	9.1	13.1	3.4	4.8
n	31	31	31	31	31	31
SD	0.5	0.7	1.4	2.1	0.7	1
Min	-0.1	-0.1	7.5	10.7	2.1	3.0
Max	2.2	3.2	13.9	20.0	5.3	7.6

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for August, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	1 (1)	2 (1)	8 (2)	11 (3)	5 (1)	6 (2)
2	1 (0)	1 (0)	7 (2)	10 (2)	4 (1)	6 (2)
3	1 (0)	1 (0)	7 (1)	11 (2)	4 (1)	6 (2)
4	1 (0)	1 (1)	8 (3)	12 (5)	5 (2)	7 (3)
5	1 (1)	1 (1)	7 (2)	11 (3)	5 (1)	7 (2)
6	1 (1)	1 (1)	8 (2)	11 (3)	5 (1)	7 (2)
7	0 (0)	1 (1)	8 (2)	11 (2)	5 (2)	7 (3)
8	2 (0)	2 (1)	9 (2)	13 (4)	6 (3)	8 (4)
9	3 (1)	5 (1)	9 (2)	12 (3)	6 (2)	9 (3)
10	5 (2)	7 (3)	8 (4)	12 (5)	5 (2)	8 (3)
11	2 (1)	3 (1)	7 (2)	10 (3)	5 (1)	7 (2)
12	1 (0)	2 (1)	9 (2)	12 (2)	5 (1)	7 (1)
13	1 (1)	2 (1)	7 (2)	11 (3)	4 (1)	6 (1)
14	1 (0)	2 (0)	8 (2)	12 (3)	5 (2)	7 (3)
15	2 (1)	3 (1)	9 (3)	13 (4)	5 (2)	7 (2)
16	3 (1)	4 (1)	8 (3)	12 (5)	5 (2)	7 (3)
17	3 (1)	5 (2)	8 (3)	12 (4)	5 (2)	7 (2)
18	2 (1)	3 (1)	8 (2)	12 (3)	5 (1)	7 (2)
19	1 (1)	2 (1)	8 (2)	12 (3)	5 (1)	8 (2)
20	1 (0)	2 (0)	10 (6)	15 (9)	5 (1)	8 (2)
21	2 (1)	2 (2)	9 (2)	13 (4)	7 (1)	10 (2)
22	6 (2)	8 (3)	9 (2)	12 (3)	8 (3)	12 (4)
23	3 (2)	5 (2)	8 (1)	11 (2)	6 (1)	8 (2)
24	2 (0)	2 (0)	8 (3)	12 (4)	9 (10)	13 (14)
25	2 (0)	2 (0)	8 (2)	12 (3)	5 (1)	7 (2)
26	2 (1)	3 (2)	8 (1)	12 (2)	6 (1)	8 (2)
27	2 (1)	3 (2)	8 (1)	12 (2)	5 (1)	8 (2)
28	2 (1)	3 (1)	9 (3)	13 (4)	6 (2)	9 (2)
29	3 (1)	4 (1)	10 (2)	14 (3)	6 (1)	9 (2)
30	3 (1)	4 (2)	9 (2)	13 (3)	6 (2)	9 (3)
31	1 (0)	1 (1)	9 (2)	13 (3)	6 (2)	8 (2)
Mean	1.9	2.7	8.3	11.9	5.4	7.8
n	31	31	31	31	31	31
SD	1.2	1.7	0.7	1.1	1.1	1.5
Min	0.4	0.6	7.0	10.0	4.0	5.7
Max	5.8	8.3	10.4	15.0	8.9	12.8

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for September, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1						
2						
3						
4						
5	1 (0)	2 (0)	10 (3)	14 (4)	7 (1)	10 (2)
6	1 (0)	2 (1)	9 (2)	13 (3)	7 (2)	10 (2)
7	2 (0)	2 (1)	10 (3)	14 (4)	8 (2)	12 (3)
8	4 (1)	6 (1)	11 (3)	15 (4)	10 (2)	14 (3)
9	5 (2)	7 (3)	9 (3)	13 (4)	8 (2)	11 (3)
10	4 (2)	5 (3)	10 (2)	14 (3)	8 (2)	11 (2)
11	3 (1)	4 (1)	10 (3)	15 (4)	9 (2)	13 (3)
12	3 (1)	4 (2)	9 (2)	12 (2)	7 (1)	10 (2)
13	2 (0)	2 (0)	10 (3)	14 (4)	8 (2)	12 (2)
14	1 (0)	2 (1)	10 (3)	14 (4)	10 (3)	14 (4)
15	2 (0)	3 (1)	12 (3)	17 (4)	11 (3)	16 (4)
16	2 (1)	3 (1)	11 (3)	16 (4)	10 (3)	14 (4)
17	3 (2)	5 (3)	12 (3)	18 (4)	11 (3)	16 (4)
18	6 (2)	9 (4)	13 (3)	19 (4)	12 (3)	17 (4)
19	3 (2)	5 (2)	10 (3)	14 (4)	8 (2)	12 (3)
20	3 (1)	4 (2)	11 (2)	15 (3)	9 (2)	14 (3)
21	3 (2)	5 (3)	10 (2)	15 (3)	9 (2)	13 (3)
22	4 (2)	6 (3)	10 (2)	15 (3)	10 (3)	14 (4)
23	3 (1)	4 (1)	9 (3)	13 (5)	8 (3)	12 (4)
24	3 (2)	4 (3)	9 (2)	13 (3)	8 (3)	12 (4)
25	4 (3)	5 (4)	10 (2)	14 (3)	8 (2)	12 (2)
26	8 (3)	12 (4)	12 (2)	17 (2)	10 (3)	15 (4)
27	7 (1)	11 (1)	11 (2)	15 (3)	10 (2)	15 (3)
28	3 (2)	5 (3)	8 (2)	11 (3)	7 (2)	10 (2)
29	1 (1)	2 (1)	6 (2)	8 (2)	6 (1)	8 (2)
30	3 (1)	4 (2)	6 (2)	9 (3)	7 (2)	10 (2)
Mean	3.3	4.7	9.8	14.1	8.7	12.5
n	26	26	26	26	26	26
SD	1.8	2.5	1.6	2.3	1.5	2.2
Min	1.2	1.7	5.9	8.4	5.5	7.8
Max	8.2	11.8	13.3	19.2	11.7	16.9

Table E9. Daily means (SD) of H₂S concentrations at Site CA2B for October, 2009.

Day	Inlet		House 5		House 6	
	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³	ppb	µg dsm ⁻³
1	4 (1)	5 (2)	7 (3)	11 (4)	8 (2)	12 (3)
2	8 (3)	11 (4)	11 (6)	16 (9)	12 (5)	17 (7)
3	6 (1)	9 (2)	11 (7)	15 (9)	9 (3)	14 (5)
4	3 (1)	4 (1)	9 (4)	13 (6)	9 (2)	13 (3)
5	7 (2)	10 (3)	10 (3)	14 (4)	12 (4)	17 (6)
6	3 (1)	5 (1)	11 (4)	15 (5)	9 (3)	12 (4)
7	4 (1)	5 (1)	10 (5)	14 (8)	12 (6)	17 (9)
8	3 (1)	4 (1)	10 (4)	15 (6)	12 (5)	18 (8)
9	2 (1)	3 (1)	12 (5)	18 (7)	14 (7)	20 (10)
10	2 (1)	3 (1)	12 (6)	17 (9)	12 (5)	17 (8)
11	2 (1)	2 (1)	11 (4)	16 (6)	14 (7)	20 (10)
12	2 (1)	3 (1)	9 (3)	13 (5)	16 (6)	22 (9)
13	3 (1)	4 (1)	13 (4)	19 (5)	15 (4)	22 (5)
14	4 (1)	5 (1)	11 (2)	16 (3)	11 (2)	16 (2)
15	3 (2)	4 (2)	13 (3)	19 (4)	10 (2)	15 (3)
16	7 (4)	10 (6)	14 (3)	20 (4)	15 (10)	21 (14)
17	7 (2)	9 (3)	14 (4)	20 (6)	14 (5)	20 (7)
18	3 (1)	5 (2)	14 (6)	21 (8)	15 (7)	22 (9)
19	3 (1)	5 (2)	14 (4)	20 (6)	19 (6)	27 (9)
20	5 (4)	7 (5)	15 (5)	21 (8)	20 (8)	29 (11)
21	5 (3)	7 (4)	15 (6)	21 (9)	18 (10)	25 (15)
22	6 (1)	8 (2)	15 (6)	22 (9)	19 (9)	27 (13)
23	6 (2)	8 (4)	14 (5)	20 (7)	18 (11)	26 (16)
24	6 (5)	8 (6)	14 (4)	19 (6)	14 (7)	21 (10)
25	4 (3)	5 (4)	13 (7)	18 (9)	14 (7)	20 (10)
26	4 (2)	6 (3)	13 (6)	18 (8)	12 (6)	17 (8)
27	1 (0)	2 (1)	13 (5)	19 (7)	6 (3)	9 (4)
28	1 (0)	1 (0)	14 (6)	20 (8)	12 (4)	17 (5)
29	2 (1)	3 (1)	15 (6)	22 (8)	14 (4)	20 (6)
30	3 (2)	4 (2)			14 (6)	19 (8)
31	5 (4)	7 (5)			12 (6)	17 (8)
Mean	3.9	5.6	12.4	17.7	13.2	19
n	31	31	29	29	31	31
SD	1.8	2.6	2	2.9	3.3	4.7
Min	0.6	0.8	7.4	10.6	6.4	9.1
Max	7.8	11.2	15.3	21.8	20.1	28.8

Table E10. NH₃ emissionsTable E10. Daily means (SD) of NH₃ emissions at Site CA2B for October, 2007.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25	67.40 (42.20)	34.50 (21.60)	1.89 (1.18)	540 (338)	4.90 (2.59)	2.51 (1.33)	0.14 (0.07)	43 (23)
26	63.80 (38.60)	32.70 (19.80)	1.79 (1.08)	512 (310)	5.00 (2.24)	2.56 (1.15)	0.14 (0.06)	44 (20)
27	66.80 (33.60)	34.30 (17.20)	1.88 (0.94)	536 (270)	7.20 (2.94)	3.69 (1.51)	0.21 (0.09)	63 (26)
28	71.60 (34.30)	36.70 (17.60)	2.01 (0.96)	574 (275)	9.55 (3.69)	4.90 (1.89)	0.28 (0.11)	83 (32)
29	63.90 (34.50)	32.80 (17.70)	1.80 (0.97)	512 (277)	12.50 (5.13)	6.42 (2.63)	0.36 (0.15)	109 (45)
30	52.40 (16.30)	26.90 (8.38)	1.47 (0.46)	420 (131)	12.60 (4.14)	6.47 (2.13)	0.36 (0.12)	110 (36)
31	61.50 (18.20)	31.50 (9.31)	1.73 (0.51)	492 (145)	16.90 (5.45)	8.67 (2.79)	0.49 (0.16)	148 (48)
Mean	63.9	32.8	1.8	512.0	9.8	5.0	0.3	85.7
n	7	7	7	7	7	7	7	7
SD	5.6	2.9	0.2	45.0	4.1	2.1	0.1	36.0
Min	52.4	26.9	1.5	420.0	4.9	2.5	0.1	42.9
Max	71.6	36.7	2.0	574.0	16.9	8.7	0.5	148.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for November, 2007.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	76.70 (31.70)	39.30 (16.30)	2.16 (0.89)	613 (254)	27.20 (13.40)	14.00 (6.85)	0.79 (0.39)	237 (116)
2	61.20 (25.50)	31.40 (13.10)	1.72 (0.72)	489 (204)	29.70 (12.50)	15.20 (6.41)	0.86 (0.36)	258 (109)
3	58.30 (26.40)	29.90 (13.50)	1.64 (0.74)	466 (211)	32.60 (16.40)	16.70 (8.42)	0.94 (0.47)	283 (143)
4	53.90 (23.20)	27.60 (11.90)	1.52 (0.65)	430 (185)	34.00 (17.60)	17.40 (9.03)	0.98 (0.51)	296 (153)
5	54.30 (23.80)	27.80 (12.20)	1.53 (0.67)	432 (189)	36.10 (17.50)	18.50 (8.96)	1.04 (0.51)	314 (152)
6	58.10 (26.80)	29.80 (13.70)	1.64 (0.76)	462 (213)	38.10 (19.30)	19.60 (9.87)	1.10 (0.56)	332 (168)
7	53.20 (25.00)	27.30 (12.80)	1.50 (0.70)	423 (199)	44.70 (27.10)	22.90 (13.90)	1.29 (0.78)	389 (236)
8	50.90 (20.60)	26.10 (10.60)	1.43 (0.58)	404 (164)	39.90 (20.80)	20.50 (10.70)	1.15 (0.60)	348 (181)
9	55.40 (25.20)	28.40 (12.90)	1.56 (0.71)	439 (200)	48.90 (28.90)	25.10 (14.80)	1.41 (0.84)	426 (252)
10	58.20 (22.80)	29.80 (11.70)	1.64 (0.64)	460 (180)	67.10 (28.50)	34.40 (14.60)	1.94 (0.82)	583 (247)
11	54.40 (24.90)	27.90 (12.80)	1.53 (0.70)	429 (197)	49.60 (18.30)	25.40 (9.40)	1.43 (0.53)	430 (159)
12	58.10 (21.20)	29.80 (10.90)	1.64 (0.60)	458 (167)	59.00 (32.80)	30.30 (16.80)	1.71 (0.95)	510 (283)
13	51.10 (12.10)	26.20 (6.21)	1.44 (0.34)	402 (95)	72.60 (39.60)	37.20 (20.30)	2.10 (1.15)	626 (341)
14								
15	80.60 (34.80)	41.40 (17.90)	2.28 (0.98)	631 (273)	83.80 (52.20)	43.00 (26.80)	2.43 (1.51)	718 (447)
16	78.80 (30.40)	40.40 (15.60)	2.23 (0.86)	616 (237)	79.90 (43.70)	41.00 (22.40)	2.32 (1.27)	683 (373)
17	69.10 (32.30)	35.40 (16.50)	1.95 (0.91)	539 (252)	92.00 (47.20)	47.20 (24.20)	2.67 (1.37)	786 (403)
18	64.70 (31.90)	33.20 (16.40)	1.83 (0.90)	506 (249)	92.00 (50.30)	47.20 (25.80)	2.67 (1.46)	786 (430)
19	72.90 (29.40)	37.40 (15.10)	2.06 (0.83)	569 (230)	88.70 (35.90)	45.50 (18.40)	2.57 (1.04)	758 (307)
20	48.10 (19.80)	24.70 (10.10)	1.36 (0.56)	375 (154)	79.60 (24.80)	40.80 (12.70)	2.31 (0.72)	681 (212)
21	46.90 (23.00)	24.00 (11.80)	1.33 (0.65)	366 (180)	72.00 (48.70)	36.90 (25.00)	2.09 (1.41)	617 (417)
22	43.20 (26.00)	22.10 (13.30)	1.22 (0.74)	337 (203)	66.80 (31.30)	34.30 (16.00)	1.94 (0.91)	573 (268)
23	43.50 (25.00)	22.30 (12.80)	1.23 (0.71)	340 (196)	76.00 (30.20)	39.00 (15.50)	2.21 (0.88)	652 (259)
24	39.50 (24.10)	20.30 (12.30)	1.12 (0.68)	309 (188)	79.20 (33.70)	40.60 (17.30)	2.30 (0.98)	680 (289)
25	37.10 (14.00)	19.00 (7.20)	1.05 (0.40)	291 (110)	80.10 (31.50)	41.10 (16.20)	2.33 (0.92)	685 (270)
26	47.20 (22.40)	24.20 (11.50)	1.34 (0.64)	370 (176)	92.90 (35.60)	47.70 (18.20)	2.70 (1.03)	793 (304)
27	41.40 (23.00)	21.20 (11.80)	1.17 (0.65)	326 (181)	81.60 (29.10)	41.80 (14.90)	2.37 (0.85)	695 (248)
28	38.80 (16.20)	19.90 (8.33)	1.10 (0.46)	306 (128)	81.00 (28.90)	41.50 (14.80)	2.35 (0.84)	688 (245)
29	40.60 (20.80)	20.80 (10.70)	1.15 (0.59)	321 (164)	75.10 (22.50)	38.50 (11.50)	2.18 (0.65)	637 (191)
30	33.90 (10.20)	17.40 (5.21)	0.96 (0.29)	268 (80)	81.60 (30.60)	41.80 (15.70)	2.37 (0.89)	690 (259)
Mean	54.1	27.8	1.5	427.0	64.9	33.3	1.9	557.0
n	29	29	29	29	29	29	29	29
SD	12.5	6.4	0.4	98.3	21.2	10.9	0.6	178.0
Min	33.9	17.4	1.0	268.0	27.2	14.0	0.8	237.0
Max	80.6	41.4	2.3	631.0	92.9	47.7	2.7	793.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for December, 2007.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	30.30 (8.78)	15.50 (4.50)	0.86 (0.25)	240 (70)	80.50 (20.80)	41.30 (10.60)	2.34 (0.60)	682 (175)
2	33.20 (13.90)	17.00 (7.13)	0.94 (0.40)	264 (110)	91.70 (32.00)	47.00 (16.40)	2.67 (0.93)	781 (273)
3	44.60 (25.60)	22.90 (13.10)	1.27 (0.73)	355 (204)	91.90 (37.40)	47.10 (19.20)	2.67 (1.09)	786 (320)
4	44.30 (19.00)	22.70 (9.75)	1.26 (0.54)	354 (152)	78.50 (27.30)	40.30 (14.00)	2.28 (0.80)	676 (236)
5	63.90 (30.60)	32.80 (15.70)	1.81 (0.87)	510 (244)	102.00 (31.70)	52.50 (16.30)	2.98 (0.92)	886 (274)
6	44.50 (10.40)	22.80 (5.35)	1.26 (0.30)	356 (84)	88.10 (22.00)	45.20 (11.30)	2.56 (0.64)	766 (191)
7	56.40 (12.40)	28.90 (6.36)	1.60 (0.35)	452 (99)	93.80 (22.30)	48.10 (11.40)	2.73 (0.65)	820 (195)
8	48.10 (9.26)	24.70 (4.75)	1.37 (0.26)	386 (74)	100.00 (29.40)	51.40 (15.10)	2.92 (0.86)	878 (258)
9	45.00 (11.00)	23.10 (5.62)	1.28 (0.31)	361 (88)	96.30 (25.10)	49.40 (12.90)	2.80 (0.73)	844 (220)
10	45.90 (9.76)	23.50 (5.00)	1.30 (0.28)	367 (78)	88.90 (23.40)	45.60 (12.00)	2.59 (0.68)	779 (205)
11	45.70 (10.90)	23.40 (5.60)	1.30 (0.31)	365 (87)	91.90 (23.10)	47.10 (11.90)	2.68 (0.67)	806 (203)
12	42.50 (9.74)	21.80 (5.00)	1.21 (0.28)	339 (78)	83.10 (18.10)	42.60 (9.27)	2.42 (0.53)	729 (158)
13	43.20 (8.76)	22.10 (4.49)	1.23 (0.25)	344 (70)	86.90 (15.90)	44.60 (8.18)	2.53 (0.46)	762 (140)
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19	77.70 (14.40)	39.80 (7.38)	2.21 (0.41)	618 (115)	95.30 (21.40)	48.90 (11.00)	2.78 (0.63)	837 (188)
20	71.10 (19.30)	36.50 (9.91)	2.03 (0.55)	566 (154)	92.90 (27.50)	47.60 (14.10)	2.71 (0.80)	816 (241)
21	49.80 (11.60)	25.50 (5.94)	1.42 (0.33)	397 (92)	90.40 (28.00)	46.40 (14.40)	2.64 (0.82)	795 (246)
22	48.10 (12.20)	24.70 (6.27)	1.37 (0.35)	383 (97)	90.90 (16.50)	46.60 (8.44)	2.65 (0.48)	798 (145)
23	49.30 (12.00)	25.30 (6.15)	1.41 (0.34)	392 (95)	94.90 (16.10)	48.70 (8.25)	2.77 (0.47)	833 (141)
24	57.40 (12.00)	29.40 (6.15)	1.64 (0.34)	456 (95)	103.00 (28.10)	52.60 (14.40)	3.00 (0.82)	898 (247)
25	55.80 (12.50)	28.60 (6.41)	1.59 (0.36)	443 (99)	90.10 (33.60)	46.20 (17.20)	2.63 (0.98)	788 (294)
26	58.00 (11.50)	29.70 (5.90)	1.66 (0.33)	460 (91)	97.70 (25.20)	50.10 (12.90)	2.85 (0.74)	853 (220)
27	49.40 (10.90)	25.30 (5.59)	1.41 (0.31)	391 (87)	91.70 (26.90)	47.00 (13.80)	2.68 (0.79)	800 (235)
28	50.70 (11.00)	26.00 (5.64)	1.45 (0.32)	401 (87)	94.40 (31.30)	48.40 (16.10)	2.76 (0.92)	822 (273)
29	60.20 (14.70)	30.90 (7.56)	1.72 (0.42)	476 (117)	91.70 (25.20)	47.00 (12.90)	2.68 (0.74)	797 (219)
30	64.40 (17.80)	33.00 (9.11)	1.85 (0.51)	511 (141)	71.80 (9.58)	36.80 (4.91)	2.10 (0.28)	622 (83)
31	61.70 (13.20)	31.70 (6.78)	1.77 (0.38)	491 (105)	65.30 (14.00)	33.50 (7.20)	1.91 (0.41)	565 (121)
Mean	51.6	26.5	1.5	411.0	90.1	46.2	2.6	785.0
n	26	26	26	26	26	26	26	26
SD	10.6	5.4	0.3	84.1	8.4	4.3	0.3	76.3
Min	30.3	15.5	0.9	240.0	65.3	33.5	1.9	565.0
Max	77.7	39.8	2.2	618.0	103.0	52.6	3.0	898.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for January, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	62.90 (11.30)	32.30 (5.79)	1.80 (0.32)	501 (90)	94.60 (16.50)	48.50 (8.48)	2.77 (0.48)	817 (143)
2	58.30 (9.72)	29.90 (4.98)	1.67 (0.28)	465 (78)	109.00 (19.80)	55.70 (10.10)	3.18 (0.58)	935 (170)
3	59.90 (23.10)	30.70 (11.80)	1.72 (0.66)	479 (184)	112.00 (30.80)	57.50 (15.80)	3.28 (0.90)	964 (265)
4	38.10 (10.30)	19.50 (5.26)	1.09 (0.30)	305 (82)	108.00 (31.20)	55.20 (16.00)	3.15 (0.91)	923 (267)
5	47.60 (8.72)	24.40 (4.47)	1.37 (0.25)	386 (71)	119.00 (31.30)	61.10 (16.10)	3.49 (0.92)	1020 (268)
6	45.40 (8.80)	23.30 (4.51)	1.30 (0.25)	377 (72)	102.00 (31.70)	52.50 (16.20)	3.00 (0.93)	878 (272)
7	37.90 (6.82)	19.50 (3.50)	1.09 (0.20)	324 (57)	101.00 (28.50)	51.90 (14.60)	2.96 (0.84)	870 (246)
8	28.00 (5.28)	14.40 (2.71)	0.81 (0.15)	245 (45)	98.70 (27.10)	50.60 (13.90)	2.89 (0.79)	851 (233)
9	25.10 (8.60)	12.90 (4.41)	0.72 (0.25)	226 (77)	111.00 (43.60)	56.80 (22.30)	3.24 (1.28)	956 (376)
10	19.50 (5.78)	10.00 (2.97)	0.56 (0.17)	180 (53)	120.00 (29.10)	61.70 (14.90)	3.53 (0.85)	1040 (252)
11	19.60 (4.64)	10.10 (2.38)	0.57 (0.13)	186 (44)	121.00 (33.60)	62.10 (17.20)	3.55 (0.99)	1050 (291)
12	18.40 (6.29)	9.42 (3.23)	0.53 (0.18)	178 (61)	122.00 (26.30)	62.40 (13.50)	3.57 (0.77)	1060 (228)
13	15.40 (5.07)	7.90 (2.60)	0.45 (0.15)	152 (50)	119.00 (32.70)	61.00 (16.80)	3.49 (0.96)	1030 (284)
14	15.00 (4.30)	7.68 (2.20)	0.43 (0.12)	150 (43)	110.00 (31.40)	56.50 (16.10)	3.23 (0.92)	959 (273)
15	20.70 (4.33)	10.60 (2.22)	0.60 (0.13)	210 (44)				
16	17.70 (5.02)	9.09 (2.57)	0.51 (0.15)	183 (52)	119.00 (34.00)	61.00 (17.40)	3.49 (1.00)	1040 (296)
17	17.30 (1.91)	8.88 (0.98)	0.50 (0.06)	182 (20)	124.00 (37.40)	63.70 (19.20)	3.65 (1.10)	1080 (326)
18	16.80 (3.04)	8.62 (1.56)	0.49 (0.09)	180 (32)	125.00 (34.60)	64.30 (17.80)	3.68 (1.02)	1100 (302)
19	15.80 (2.49)	8.11 (1.28)	0.46 (0.07)	172 (27)	124.00 (37.50)	63.50 (19.30)	3.64 (1.10)	1080 (328)
20	15.30 (5.76)	7.83 (2.95)	0.44 (0.17)	167 (63)	121.00 (40.50)	62.20 (20.70)	3.56 (1.19)	1060 (354)
21	15.40 (2.34)	7.90 (1.20)	0.45 (0.07)	170 (26)	130.00 (43.50)	66.80 (22.30)	3.83 (1.28)	1140 (381)
22	12.40 (2.33)	6.38 (1.20)	0.36 (0.07)	139 (26)	133.00 (48.20)	68.10 (24.70)	3.90 (1.42)	1160 (422)
23	14.40 (7.43)	7.40 (3.81)	0.42 (0.22)	162 (84)	135.00 (69.70)	69.30 (35.80)	3.97 (2.05)	1180 (610)
24								
25	7.30 (4.34)	3.74 (2.23)	0.21 (0.13)	84 (50)				
26	6.22 (1.65)	3.19 (0.84)	0.18 (0.05)	71 (19)				
27	7.18 (2.03)	3.68 (1.04)	0.21 (0.06)	81 (23)				
28	9.33 (1.79)	4.78 (0.92)	0.27 (0.05)	105 (20)				
29	9.00 (1.18)	4.61 (0.61)	0.26 (0.03)	100 (13)	65.80 (32.30)	33.70 (16.60)	1.94 (0.95)	576 (283)
30	7.98 (2.90)	4.09 (1.49)	0.23 (0.08)	88 (32)	79.90 (31.30)	41.00 (16.10)	2.35 (0.92)	700 (275)
31	8.00 (2.47)	4.10 (1.27)	0.23 (0.07)	87 (27)	98.20 (34.60)	50.40 (17.70)	2.89 (1.02)	861 (303)
Mean	23.1	11.8	0.7	211.0	112.0	57.5	3.3	973.0
n	30	30	30	30	25	25	25	25
SD	16.4	8.4	0.5	120.0	15.9	8.2	0.5	140.0
Min	6.2	3.2	0.2	71.2	65.8	33.7	1.9	576.0
Max	62.9	32.3	1.8	501.0	135.0	69.3	4.0	1180.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for February, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	6.29 (1.49)	3.23 (0.76)	0.18 (0.04)	68 (16)	107.00 (35.20)	55.00 (18.10)	3.16 (1.04)	941 (309)
2	7.95 (0.90)	4.07 (0.46)	0.23 (0.03)	85 (10)	100.00 (36.00)	51.50 (18.50)	2.96 (1.06)	883 (317)
3	9.39 (1.21)	4.81 (0.62)	0.27 (0.04)	100 (13)	99.20 (42.30)	50.90 (21.70)	2.93 (1.25)	874 (373)
4	10.60 (1.83)	5.45 (0.94)	0.31 (0.05)	112 (19)	94.80 (25.50)	48.60 (13.10)	2.80 (0.75)	838 (226)
5	13.50 (1.87)	6.94 (0.96)	0.39 (0.05)	143 (20)	85.10 (20.90)	43.70 (10.70)	2.51 (0.62)	754 (185)
6	20.90 (10.10)	10.70 (5.19)	0.61 (0.30)	220 (106)	85.30 (25.80)	43.70 (13.20)	2.52 (0.76)	758 (229)
7	28.60 (7.10)	14.70 (3.64)	0.83 (0.21)	299 (74)	82.90 (20.80)	42.50 (10.70)	2.45 (0.61)	738 (185)
8	32.00 (7.01)	16.40 (3.59)	0.93 (0.20)	334 (73)	49.30 (9.23)	25.30 (4.73)	1.46 (0.27)	441 (82)
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28	64.10 (25.50)	32.90 (13.10)	1.87 (0.75)	564 (224)	103.00 (46.80)	52.80 (24.00)	3.06 (1.39)	930 (423)
29	62.90 (22.80)	32.30 (11.70)	1.84 (0.67)	550 (198)	75.30 (22.90)	38.60 (11.70)	2.24 (0.68)	683 (208)
Mean	25.6	13.1	0.8	247.0	88.3	45.3	2.6	784.0
n	10	10	10	10	10	10	10	10
SD	20.7	10.6	0.6	177.0	16.2	8.3	0.5	141.0
Min	6.3	3.2	0.2	67.6	49.3	25.3	1.5	441.0
Max	64.1	32.9	1.9	564.0	107.0	55.0	3.2	941.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for March, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	53.80 (9.77)	27.60 (5.01)	1.57 (0.29)	468 (85)	64.00 (10.60)	32.80 (5.43)	1.91 (0.32)	582 (96)
2	57.00 (25.60)	29.30 (13.10)	1.67 (0.75)	497 (223)	46.90 (6.09)	24.10 (3.12)	1.40 (0.18)	427 (55)
3	50.90 (22.00)	26.10 (11.30)	1.49 (0.64)	445 (192)	43.60 (11.80)	22.40 (6.05)	1.30 (0.35)	398 (108)
4	29.10 (18.80)	14.90 (9.65)	0.85 (0.55)	255 (164)	66.90 (29.90)	34.30 (15.30)	2.00 (0.89)	612 (273)
5	4.31 (2.05)	2.21 (1.05)	0.13 (0.06)	38 (18)	46.20 (25.10)	23.70 (12.90)	1.38 (0.75)	423 (230)
6	7.75 (2.92)	3.98 (1.50)	0.23 (0.09)	68 (26)	13.30 (12.10)	6.80 (6.20)	0.40 (0.36)	122 (111)
7	10.50 (4.13)	5.37 (2.12)	0.31 (0.12)	92 (36)	5.86 (1.90)	3.01 (0.98)	0.18 (0.06)	54 (18)
8	9.79 (3.17)	5.02 (1.63)	0.29 (0.09)	86 (28)	5.76 (2.16)	2.95 (1.11)	0.17 (0.06)	53 (20)
9	11.60 (4.48)	5.97 (2.30)	0.34 (0.13)	102 (39)	8.03 (3.43)	4.12 (1.76)	0.24 (0.10)	74 (32)
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Mean	26.1	13.4	0.8	228.0	33.4	17.1	1.0	305.0
n	9	9	9	9	9	9	9	9
SD	20.8	10.6	0.6	181.0	23.8	12.2	0.7	217.0
Min	4.3	2.2	0.1	37.7	5.8	3.0	0.2	53.1
Max	57.0	29.3	1.7	497.0	66.9	34.3	2.0	612.0

Table E10. Daily means (SD) of NH3 emissions at Site CA2B for April, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	43.90 (20.00)	22.50 (10.30)	1.29 (0.59)	367 (167)	16.80 (8.96)	8.63 (4.60)	0.51 (0.27)	178 (95)
2	42.80 (16.50)	21.90 (8.44)	1.26 (0.48)	356 (137)	11.60 (5.87)	5.95 (3.01)	0.35 (0.18)	123 (63)
3	50.70 (23.30)	26.00 (11.90)	1.49 (0.68)	422 (194)	18.70 (10.70)	9.61 (5.48)	0.57 (0.32)	200 (114)
4	42.80 (22.40)	21.90 (11.50)	1.26 (0.66)	356 (186)	17.60 (13.80)	9.03 (7.09)	0.53 (0.42)	189 (149)
5	40.70 (23.20)	20.90 (11.90)	1.20 (0.68)	338 (193)	11.00 (6.41)	5.63 (3.29)	0.33 (0.19)	119 (70)
6	44.40 (21.80)	22.80 (11.20)	1.31 (0.64)	369 (181)	11.60 (5.97)	5.95 (3.06)	0.35 (0.18)	128 (66)
7	38.70 (12.00)	19.80 (6.16)	1.14 (0.35)	322 (100)	10.60 (4.00)	5.45 (2.05)	0.32 (0.12)	119 (45)
8	40.90 (10.60)	21.00 (5.46)	1.20 (0.31)	341 (89)	9.77 (2.21)	5.01 (1.13)	0.30 (0.07)	111 (25)
9	48.70 (17.50)	25.00 (8.98)	1.43 (0.52)	406 (146)	13.00 (8.34)	6.66 (4.28)	0.39 (0.25)	151 (97)
10	59.00 (33.40)	30.20 (17.10)	1.74 (0.98)	492 (279)	13.50 (10.80)	6.91 (5.53)	0.41 (0.33)	159 (128)
11	47.70 (22.20)	24.50 (11.40)	1.41 (0.65)	399 (185)	14.70 (12.20)	7.56 (6.26)	0.45 (0.37)	177 (147)
12	58.60 (32.70)	30.00 (16.80)	1.72 (0.96)	490 (273)	14.50 (11.60)	7.43 (5.93)	0.44 (0.35)	175 (140)
13	51.40 (28.70)	26.40 (14.70)	1.51 (0.85)	430 (240)	13.50 (11.40)	6.91 (5.85)	0.41 (0.35)	163 (138)
14	34.40 (22.80)	17.70 (11.70)	1.01 (0.67)	288 (191)	5.52 (3.04)	2.83 (1.56)	0.17 (0.09)	67 (37)
15	28.40 (5.12)	14.60 (2.63)	0.84 (0.15)	238 (43)	4.62 (2.08)	2.37 (1.07)	0.14 (0.06)	56 (25)
16	39.50 (20.70)	20.20 (10.60)	1.16 (0.61)	330 (173)	8.30 (6.21)	4.26 (3.18)	0.25 (0.19)	101 (75)
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20	25.10 (7.41)	12.90 (3.80)	0.74 (0.22)	210 (62)	2.53 (0.86)	1.30 (0.44)	0.08 (0.03)	31 (10)
21	29.60 (6.59)	15.20 (3.38)	0.87 (0.19)	248 (55)	5.15 (2.07)	2.64 (1.06)	0.16 (0.06)	62 (25)
22	34.60 (6.92)	17.70 (3.55)	1.02 (0.20)	289 (58)	5.33 (0.86)	2.73 (0.44)	0.16 (0.03)	64 (10)
23	39.90 (10.60)	20.50 (5.42)	1.18 (0.31)	333 (88)	5.28 (0.70)	2.71 (0.36)	0.16 (0.02)	63 (8)
24	44.80 (24.80)	23.00 (12.70)	1.32 (0.73)	374 (207)	4.51 (1.65)	2.31 (0.84)	0.14 (0.05)	54 (20)
25	50.20 (23.80)	25.70 (12.20)	1.48 (0.70)	419 (199)	5.33 (3.25)	2.73 (1.67)	0.16 (0.10)	64 (39)
26	53.60 (26.60)	27.50 (13.70)	1.58 (0.79)	448 (222)	10.50 (7.54)	5.39 (3.87)	0.32 (0.23)	125 (90)
27	54.80 (22.10)	28.10 (11.40)	1.62 (0.65)	459 (185)	14.50 (9.57)	7.45 (4.91)	0.44 (0.29)	172 (113)
28	47.00 (22.40)	24.10 (11.50)	1.39 (0.66)	394 (188)	14.30 (8.12)	7.32 (4.16)	0.43 (0.25)	168 (96)
29	29.10 (19.40)	14.90 (9.95)	0.86 (0.57)	244 (163)	12.40 (6.61)	6.37 (3.39)	0.38 (0.20)	146 (77)
30	25.40 (9.90)	13.00 (5.07)	0.75 (0.29)	214 (83)	14.50 (5.73)	7.43 (2.94)	0.44 (0.17)	169 (67)
Mean	42.5	21.8	1.3	355.0	10.7	5.5	0.3	124.0
n	27	27	27	27	27	27	27	27
SD	9.5	4.9	0.3	78.7	4.5	2.3	0.1	49.3
Min	25.1	12.9	0.7	210.0	2.5	1.3	0.1	30.5
Max	59.0	30.2	1.7	492.0	18.7	9.6	0.6	200.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for May, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	34.90 (16.90)	17.90 (8.69)	1.03 (0.50)	294 (143)	19.50 (8.09)	10.00 (4.15)	0.59 (0.25)	227 (94)
2	30.90 (17.60)	15.90 (9.02)	0.92 (0.52)	261 (149)	24.70 (13.20)	12.70 (6.75)	0.75 (0.40)	285 (152)
3	33.10 (18.20)	17.00 (9.32)	0.98 (0.54)	280 (154)	28.10 (15.50)	14.40 (7.94)	0.85 (0.47)	324 (178)
4	34.60 (20.50)	17.70 (10.50)	1.02 (0.61)	293 (174)	32.50 (18.30)	16.60 (9.39)	0.99 (0.56)	375 (212)
5	38.10 (18.20)	19.50 (9.32)	1.13 (0.54)	324 (155)	37.10 (20.40)	19.00 (10.50)	1.13 (0.62)	430 (236)
6	39.50 (20.80)	20.20 (10.70)	1.17 (0.62)	337 (178)	44.30 (24.20)	22.70 (12.40)	1.35 (0.73)	514 (280)
7	30.90 (17.80)	15.80 (9.11)	0.92 (0.53)	264 (152)	37.60 (16.50)	19.30 (8.45)	1.14 (0.50)	438 (192)
8	35.20 (20.40)	18.10 (10.50)	1.04 (0.61)	302 (175)	42.00 (24.90)	21.50 (12.70)	1.28 (0.76)	489 (290)
9	28.20 (16.40)	14.50 (8.40)	0.84 (0.49)	243 (141)	30.30 (17.40)	15.50 (8.90)	0.92 (0.53)	353 (203)
10	32.80 (17.70)	16.80 (9.07)	0.97 (0.52)	283 (153)	48.90 (22.70)	25.10 (11.70)	1.49 (0.69)	571 (265)
11								
12								
13	22.40 (9.66)	11.50 (4.96)	0.67 (0.29)	195 (84)	32.00 (12.10)	16.40 (6.22)	0.97 (0.37)	369 (139)
14	30.20 (10.60)	15.50 (5.44)	0.90 (0.32)	262 (92)	37.00 (12.50)	19.00 (6.41)	1.13 (0.38)	425 (143)
15	36.90 (8.61)	18.90 (4.42)	1.10 (0.26)	322 (75)	40.30 (11.60)	20.70 (5.97)	1.23 (0.35)	460 (133)
16	41.10 (6.78)	21.10 (3.48)	1.22 (0.20)	359 (59)	45.80 (4.53)	23.50 (2.32)	1.39 (0.14)	521 (51)
17	33.40 (4.66)	17.20 (2.39)	0.99 (0.14)	292 (41)	36.60 (6.65)	18.80 (3.41)	1.11 (0.20)	413 (75)
18	27.80 (5.74)	14.30 (2.95)	0.83 (0.17)	243 (50)	35.20 (9.70)	18.00 (4.97)	1.07 (0.30)	394 (109)
19	23.40 (7.58)	12.00 (3.89)	0.70 (0.23)	204 (66)	29.20 (8.58)	15.00 (4.40)	0.89 (0.26)	324 (95)
20	22.40 (7.87)	11.50 (4.04)	0.67 (0.23)	195 (68)	26.40 (7.79)	13.50 (4.00)	0.80 (0.24)	291 (86)
21	14.70 (7.08)	7.56 (3.63)	0.44 (0.21)	128 (62)	25.60 (8.30)	13.10 (4.26)	0.78 (0.25)	280 (91)
22	8.74 (4.79)	4.48 (2.46)	0.26 (0.14)	76 (42)	23.80 (5.86)	12.20 (3.01)	0.73 (0.18)	259 (64)
23	4.32 (1.82)	2.21 (0.93)	0.13 (0.05)	37 (16)	20.10 (6.56)	10.30 (3.36)	0.61 (0.20)	216 (71)
24	3.27 (0.82)	1.68 (0.42)	0.10 (0.02)	28 (7)	16.50 (4.00)	8.45 (2.05)	0.50 (0.12)	176 (43)
25	4.92 (1.80)	2.52 (0.93)	0.15 (0.05)	43 (16)	23.70 (6.59)	12.20 (3.38)	0.72 (0.20)	253 (70)
26	8.09 (3.34)	4.15 (1.71)	0.24 (0.10)	70 (29)	29.00 (11.50)	14.90 (5.90)	0.88 (0.35)	309 (122)
27	10.50 (4.53)	5.38 (2.32)	0.31 (0.14)	91 (39)	25.80 (8.91)	13.20 (4.57)	0.79 (0.27)	274 (95)
28	20.20 (10.10)	10.30 (5.19)	0.60 (0.30)	174 (87)	27.50 (13.50)	14.10 (6.90)	0.84 (0.41)	291 (143)
29	28.20 (15.30)	14.40 (7.82)	0.84 (0.46)	242 (131)	28.30 (11.50)	14.50 (5.89)	0.86 (0.35)	299 (121)
30	36.70 (19.10)	18.80 (9.77)	1.10 (0.57)	316 (164)	30.70 (10.70)	15.80 (5.51)	0.94 (0.33)	324 (113)
31	36.40 (21.60)	18.70 (11.10)	1.09 (0.65)	313 (186)	26.20 (8.47)	13.40 (4.34)	0.80 (0.26)	275 (89)
Mean	25.9	13.3	0.8	223.0	31.2	16.0	1.0	350.0
n	29	29	29	29	29	29	29	29
SD	11.5	5.9	0.3	98.8	8.0	4.1	0.2	97.8
Min	3.3	1.7	0.1	28.3	16.5	8.5	0.5	176.0
Max	41.1	21.1	1.2	359.0	48.9	25.1	1.5	571.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for June, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	42.90 (27.10)	22.00 (13.90)	1.28 (0.81)	368 (232)	25.00 (9.53)	12.80 (4.89)	0.76 (0.29)	262 (100)
2	40.90 (30.60)	20.90 (15.70)	1.22 (0.92)	351 (263)	23.10 (9.86)	11.90 (5.06)	0.71 (0.30)	241 (103)
3	19.80 (12.80)	10.20 (6.56)	1.06 (0.83)	305 (240)	23.50 (7.05)	12.00 (3.61)	0.72 (0.22)	243 (73)
4					18.50 (5.04)	9.47 (2.58)	0.56 (0.15)	191 (52)
5					19.10 (6.29)	9.78 (3.22)	0.58 (0.19)	196 (65)
6								
7					13.60 (4.62)	6.99 (2.37)	0.42 (0.14)	139 (47)
8					13.70 (4.09)	7.02 (2.10)	0.42 (0.13)	140 (42)
9					13.70 (3.56)	7.01 (1.82)	0.42 (0.11)	139 (36)
10					11.30 (1.80)	5.80 (0.92)	0.35 (0.06)	115 (18)
11					8.62 (2.06)	4.42 (1.06)	0.26 (0.06)	87 (21)
12					8.24 (2.35)	4.23 (1.21)	0.25 (0.07)	83 (24)
13					10.10 (3.22)	5.16 (1.65)	0.31 (0.10)	101 (32)
14					9.00 (3.16)	4.62 (1.62)	0.28 (0.10)	90 (32)
15					9.36 (3.31)	4.80 (1.70)	0.29 (0.10)	93 (33)
16					9.07 (2.45)	4.65 (1.25)	0.28 (0.07)	90 (24)
17					9.22 (2.18)	4.73 (1.12)	0.28 (0.07)	91 (22)
18					8.91 (2.39)	4.57 (1.22)	0.27 (0.07)	87 (23)
19					9.90 (2.66)	5.07 (1.36)	0.30 (0.08)	97 (26)
20					11.10 (3.24)	5.71 (1.66)	0.34 (0.10)	108 (31)
21					12.30 (2.13)	6.32 (1.09)	0.38 (0.07)	120 (21)
22					9.15 (2.11)	4.69 (1.08)	0.28 (0.06)	89 (21)
23					7.19 (1.92)	3.69 (0.98)	0.22 (0.06)	70 (19)
24					8.76 (2.39)	4.49 (1.23)	0.27 (0.07)	85 (23)
25					9.78 (2.46)	5.01 (1.26)	0.30 (0.08)	96 (24)
26					13.00 (3.27)	6.68 (1.67)	0.40 (0.10)	128 (32)
27					17.60 (3.09)	9.03 (1.59)	0.54 (0.09)	173 (30)
28					17.00 (3.51)	8.73 (1.80)	0.52 (0.11)	169 (35)
29					18.80 (2.64)	9.62 (1.35)	0.58 (0.08)	190 (27)
30					19.00 (3.94)	9.75 (2.02)	0.58 (0.12)	196 (41)
Mean	34.5	17.7	1.2	341.0	13.4	6.9	0.4	135.0
n	3	3	3	3	29	29	29	29
SD	10.4	5.4	0.1	26.8	5.1	2.6	0.2	54.0
Min	19.8	10.2	1.1	305.0	7.2	3.7	0.2	70.0
Max	42.9	22.0	1.3	368.0	25.0	12.8	0.8	262.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for July, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1					20.30 (5.01)	10.40 (2.57)	0.62 (0.15)	213 (53)
2					22.90 (3.60)	11.70 (1.84)	0.70 (0.11)	246 (39)
3					24.20 (3.13)	12.40 (1.60)	0.74 (0.10)	266 (34)
4					19.30 (3.36)	9.89 (1.72)	0.59 (0.10)	217 (38)
5					20.50 (4.23)	10.50 (2.17)	0.63 (0.13)	233 (48)
6					21.10 (5.32)	10.80 (2.73)	0.65 (0.16)	240 (61)
7					23.20 (3.07)	11.90 (1.58)	0.71 (0.09)	264 (35)
8	31.00 (6.86)	15.90 (3.52)	0.87 (0.19)	304 (67)	25.00 (3.88)	12.80 (1.99)	0.77 (0.12)	285 (44)
9	31.50 (7.57)	16.20 (3.88)	0.89 (0.21)	309 (74)	21.50 (3.26)	11.00 (1.67)	0.66 (0.10)	245 (37)
10	34.20 (5.62)	17.50 (2.88)	0.96 (0.16)	336 (55)	17.60 (2.18)	9.04 (1.12)	0.54 (0.07)	201 (25)
11	30.40 (7.38)	15.60 (3.78)	0.86 (0.21)	299 (73)	14.00 (2.16)	7.20 (1.11)	0.43 (0.07)	161 (25)
12	33.10 (14.70)	17.00 (7.56)	0.93 (0.42)	325 (144)	14.20 (4.27)	7.26 (2.19)	0.44 (0.13)	162 (49)
13	37.10 (11.50)	19.00 (5.92)	1.04 (0.33)	362 (112)	16.90 (2.95)	8.66 (1.51)	0.52 (0.09)	194 (34)
14	40.10 (6.67)	20.50 (3.42)	1.13 (0.19)	388 (64)	17.10 (2.97)	8.79 (1.52)	0.53 (0.09)	197 (34)
15	36.90 (16.50)	18.90 (8.45)	1.04 (0.46)	355 (159)	13.90 (3.28)	7.12 (1.68)	0.43 (0.10)	159 (38)
16								
17								
18								
19								
20								
21								
22								
23					16.20 (4.93)	8.33 (2.53)	0.50 (0.15)	188 (57)
24					16.60 (5.41)	8.53 (2.77)	0.51 (0.17)	192 (63)
25	47.70 (19.10)	24.50 (9.78)	1.35 (0.54)	422 (169)	17.70 (5.32)	9.10 (2.73)	0.55 (0.16)	206 (62)
26	45.30 (18.20)	23.20 (9.34)	1.28 (0.51)	399 (160)	15.80 (4.17)	8.12 (2.14)	0.49 (0.13)	183 (48)
27	40.70 (16.80)	20.90 (8.62)	1.15 (0.48)	357 (147)	15.00 (4.91)	7.69 (2.52)	0.46 (0.15)	174 (57)
28	35.10 (17.60)	18.00 (9.02)	0.99 (0.50)	307 (153)	12.30 (3.99)	6.32 (2.04)	0.38 (0.12)	143 (46)
29	34.50 (18.60)	17.70 (9.52)	0.97 (0.53)	300 (161)	12.00 (4.65)	6.14 (2.39)	0.37 (0.14)	138 (54)
30	35.80 (16.60)	18.40 (8.51)	1.01 (0.47)	310 (144)	12.30 (4.48)	6.28 (2.30)	0.38 (0.14)	141 (52)
31	34.70 (16.40)	17.80 (8.43)	0.98 (0.47)	299 (142)	13.40 (5.00)	6.89 (2.56)	0.42 (0.15)	155 (58)
Mean	36.5	18.7	1.0	338.0	17.6	9.0	0.5	200.0
n	15	15	15	15	24	24	24	24
SD	4.8	2.5	0.1	39.2	3.9	2.0	0.1	41.6
Min	30.4	15.6	0.9	299.0	12.0	6.1	0.4	138.0
Max	47.7	24.5	1.4	422.0	25.0	12.8	0.8	285.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for August, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	33.70 (16.00)	17.30 (8.20)	0.95 (0.45)	289 (137)	13.30 (4.55)	6.80 (2.33)	0.41 (0.14)	153 (52)
2	39.80 (16.80)	20.40 (8.61)	1.13 (0.48)	341 (144)	15.40 (5.62)	7.88 (2.88)	0.48 (0.17)	176 (64)
3	32.10 (14.70)	16.50 (7.52)	0.91 (0.42)	275 (125)	14.90 (5.93)	7.64 (3.04)	0.46 (0.18)	168 (67)
4	35.80 (14.60)	18.40 (7.49)	1.01 (0.41)	306 (125)	17.20 (5.62)	8.80 (2.88)	0.53 (0.17)	191 (62)
5	35.90 (12.50)	18.40 (6.39)	1.02 (0.35)	307 (106)	16.10 (5.56)	8.27 (2.85)	0.50 (0.17)	177 (61)
6	37.70 (11.50)	19.30 (5.89)	1.07 (0.33)	322 (98)	14.90 (4.80)	7.64 (2.46)	0.46 (0.15)	162 (52)
7	32.90 (10.80)	16.90 (5.52)	0.93 (0.31)	281 (92)	13.20 (4.31)	6.78 (2.21)	0.41 (0.13)	142 (46)
8	29.50 (12.00)	15.10 (6.17)	0.83 (0.34)	251 (103)	11.30 (4.30)	5.80 (2.21)	0.35 (0.13)	120 (45)
9	27.70 (12.50)	14.20 (6.42)	0.78 (0.35)	236 (107)	10.60 (3.67)	5.44 (1.88)	0.33 (0.11)	112 (39)
10	30.90 (11.90)	15.90 (6.12)	0.88 (0.34)	264 (102)	10.70 (3.55)	5.47 (1.82)	0.33 (0.11)	113 (38)
11	35.00 (11.70)	18.00 (5.98)	0.99 (0.33)	298 (99)	11.20 (3.27)	5.72 (1.68)	0.35 (0.10)	118 (35)
12	37.70 (10.50)	19.30 (5.37)	1.07 (0.30)	321 (89)	11.30 (3.08)	5.81 (1.58)	0.35 (0.10)	121 (33)
13	44.60 (10.40)	22.90 (5.31)	1.26 (0.29)	379 (88)	12.10 (2.68)	6.21 (1.37)	0.38 (0.08)	129 (29)
14	49.40 (9.01)	25.30 (4.62)	1.40 (0.26)	419 (77)	12.20 (3.12)	6.27 (1.60)	0.38 (0.10)	131 (34)
15	44.10 (6.40)	22.60 (3.28)	1.25 (0.18)	374 (54)	11.30 (2.64)	5.78 (1.36)	0.35 (0.08)	121 (29)
16	38.40 (4.15)	19.70 (2.13)	1.09 (0.12)	325 (35)	10.80 (1.72)	5.56 (0.88)	0.34 (0.05)	116 (18)
17	29.20 (9.80)	15.00 (5.02)	0.83 (0.28)	247 (83)	8.03 (2.95)	4.12 (1.51)	0.25 (0.09)	86 (32)
18	33.90 (14.60)	17.40 (7.46)	0.96 (0.41)	287 (123)	8.39 (3.56)	4.30 (1.83)	0.26 (0.11)	89 (38)
19	34.50 (11.20)	17.70 (5.75)	0.98 (0.32)	291 (95)	8.97 (3.50)	4.60 (1.79)	0.28 (0.11)	95 (37)
20	38.20 (14.00)	19.60 (7.18)	1.08 (0.40)	322 (118)	10.70 (3.45)	5.48 (1.77)	0.33 (0.11)	113 (36)
21	38.60 (10.30)	19.80 (5.30)	1.09 (0.29)	324 (87)	12.00 (2.84)	6.15 (1.45)	0.37 (0.09)	127 (30)
22	17.60 (3.20)	9.02 (1.64)	0.50 (0.09)	148 (27)	12.30 (3.09)	6.33 (1.58)	0.38 (0.10)	130 (33)
23	17.50 (3.99)	9.00 (2.04)	0.50 (0.11)	147 (33)	7.32 (2.34)	3.75 (1.20)	0.23 (0.07)	77 (25)
24	23.50 (5.83)	12.00 (2.99)	0.67 (0.17)	196 (49)	6.64 (2.47)	3.41 (1.27)	0.21 (0.08)	70 (26)
25								
26	27.50 (8.99)	14.10 (4.61)	0.78 (0.26)	229 (75)	5.83 (2.24)	2.99 (1.15)	0.18 (0.07)	61 (24)
27								
28	47.30 (13.90)	24.20 (7.12)	1.34 (0.39)	391 (115)	10.80 (4.59)	5.55 (2.35)	0.61 (0.35)	206 (117)
29	59.30 (9.66)	30.40 (4.95)	1.68 (0.27)	489 (80)	12.30 (3.01)	6.29 (1.54)		
30	53.70 (11.90)	27.50 (6.11)	1.52 (0.34)	443 (98)				
31	37.20 (20.50)	19.10 (10.50)	1.06 (0.58)	307 (170)				
Mean	36.0	18.4	1.0	304.0	11.5	5.9	0.4	127.0
n	29	29	29	29	27	27	26	26
SD	9.2	4.7	0.3	76.4	2.8	1.4	0.1	36.2
Min	17.5	9.0	0.5	147.0	5.8	3.0	0.2	61.2
Max	59.3	30.4	1.7	489.0	17.2	8.8	0.6	206.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for September, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	34.10 (15.20)	17.50 (7.77)	0.97 (0.43)	282 (125)				
2	40.70 (17.60)	20.90 (9.03)	1.16 (0.50)	337 (146)				
3	43.70 (18.50)	22.40 (9.48)	1.24 (0.53)	362 (153)				
4	33.80 (20.90)	17.30 (10.70)	0.96 (0.59)	280 (173)				
5	31.70 (19.80)	16.30 (10.10)	0.90 (0.56)	263 (164)				
6	43.30 (17.50)	22.20 (8.99)	1.23 (0.50)	359 (145)				
7	50.00 (9.26)	25.60 (4.75)	1.42 (0.26)	413 (77)				
8	37.30 (25.70)	19.10 (13.20)	1.06 (0.73)	307 (212)				
9	44.30 (17.40)	22.70 (8.91)	1.26 (0.49)	364 (143)				
10	41.10 (18.30)	21.10 (9.37)	1.17 (0.52)	337 (150)				
11	48.50 (21.90)	24.80 (11.20)	1.38 (0.62)	397 (179)				
12	55.50 (28.30)	28.40 (14.50)	1.58 (0.80)	453 (231)				
13	60.10 (27.80)	30.80 (14.20)	1.71 (0.79)	491 (227)				
14	67.60 (24.30)	34.70 (12.40)	1.92 (0.69)	555 (199)				
15	69.20 (28.10)	35.50 (14.40)	1.96 (0.80)	569 (232)				
16	67.70 (21.80)	34.70 (11.20)	1.92 (0.62)	559 (180)				
17	55.70 (26.70)	28.60 (13.70)	1.58 (0.76)	462 (221)				
18	52.90 (23.30)	27.10 (12.00)	1.50 (0.66)	440 (194)				
19	49.00 (25.90)	25.10 (13.30)	1.39 (0.74)	409 (216)				
20	58.00 (21.60)	29.70 (11.10)	1.65 (0.62)	484 (181)				
21	59.10 (26.00)	30.30 (13.30)	1.68 (0.74)	493 (217)				
22	60.40 (25.70)	31.00 (13.20)	1.72 (0.73)	503 (214)				
23	56.90 (24.70)	29.20 (12.70)	1.62 (0.70)	473 (205)				
24	53.40 (25.40)	27.40 (13.00)	1.52 (0.72)	443 (211)				
25	47.60 (14.30)	24.40 (7.34)	1.35 (0.41)	395 (118)				
26	55.20 (21.20)	28.30 (10.90)	1.57 (0.60)	457 (175)				
27	44.20 (12.00)	22.70 (6.15)	1.26 (0.34)	366 (100)				
28	40.00 (11.60)	20.50 (5.95)	1.14 (0.33)	332 (97)				
29	39.80 (13.30)	20.40 (6.81)	1.13 (0.38)	332 (111)				
30	38.50 (12.80)	19.80 (6.56)	1.10 (0.36)	322 (107)	4.69 (2.29)	2.41 (1.17)	0.14 (0.07)	48 (23)
Mean	49.3	25.3	1.4	408.0				
n	30	30	30	30	1	1	1	1
SD	10.3	5.3	0.3	84.5				
Min	31.7	16.3	0.9	263.0				
Max	69.2	35.5	2.0	569.0				

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for October, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	35.90 (11.40)	18.40 (5.83)	1.02 (0.32)	300 (95)	6.22 (3.09)	3.19 (1.59)	0.18 (0.09)	63 (31)
2					9.12 (4.92)	4.67 (2.52)	0.27 (0.15)	92 (50)
3					12.80 (7.69)	6.56 (3.94)	0.38 (0.23)	129 (78)
4								
5								
6								
7					29.20 (18.10)	15.00 (9.28)	0.86 (0.53)	287 (178)
8					25.20 (19.40)	12.90 (9.95)	0.74 (0.57)	247 (189)
9					21.10 (18.90)	10.80 (9.72)	0.62 (0.56)	204 (184)
10	23.60 (3.22)	12.10 (1.65)	0.67 (0.09)	195 (27)				
11	26.20 (4.79)	13.40 (2.46)	0.75 (0.14)	217 (40)	13.00 (3.81)	6.66 (1.96)	0.38 (0.11)	125 (37)
12	26.20 (9.77)	13.40 (5.01)	0.75 (0.28)	217 (81)	10.40 (3.03)	5.31 (1.56)	0.31 (0.09)	99 (29)
13	31.40 (18.40)	16.10 (9.46)	0.90 (0.53)	259 (152)	12.00 (8.63)	6.15 (4.43)	0.35 (0.25)	115 (83)
14	27.90 (14.20)	14.30 (7.27)	0.80 (0.40)	230 (117)	26.90 (22.50)	13.80 (11.50)	0.79 (0.66)	257 (215)
15	28.70 (17.20)	14.70 (8.80)	0.82 (0.49)	236 (141)	25.20 (18.40)	12.90 (9.44)	0.74 (0.54)	241 (175)
16	25.80 (12.30)	13.20 (6.32)	0.74 (0.35)	212 (101)	23.50 (19.00)	12.00 (9.76)	0.69 (0.56)	224 (181)
17	24.10 (10.90)	12.30 (5.59)	0.69 (0.31)	197 (89)	24.50 (18.00)	12.60 (9.22)	0.72 (0.53)	233 (171)
18	23.40 (8.64)	12.00 (4.43)	0.67 (0.25)	192 (71)	22.60 (17.00)	11.60 (8.71)	0.67 (0.50)	214 (161)
19	25.40 (13.00)	13.00 (6.65)	0.72 (0.37)	209 (107)	23.50 (18.60)	12.00 (9.55)	0.69 (0.55)	222 (176)
20	25.90 (14.50)	13.30 (7.45)	0.74 (0.41)	214 (120)	22.80 (17.90)	11.70 (9.17)	0.67 (0.53)	215 (169)
21	25.20 (13.50)	12.90 (6.92)	0.72 (0.39)	209 (112)	21.70 (16.30)	11.10 (8.34)	0.64 (0.48)	204 (153)
22	20.50 (9.32)	10.50 (4.78)	0.59 (0.27)	170 (77)	21.80 (16.50)	11.20 (8.45)	0.64 (0.49)	205 (155)
23	22.90 (10.70)	11.70 (5.49)	0.65 (0.31)	190 (89)	19.90 (14.10)	10.20 (7.22)	0.59 (0.42)	186 (132)
24	24.10 (12.00)	12.40 (6.16)	0.69 (0.34)	201 (100)	20.60 (16.40)	10.60 (8.39)	0.61 (0.48)	193 (153)
25								
26	19.60 (9.54)	10.00 (4.89)	0.56 (0.27)	163 (80)	18.80 (14.40)	9.66 (7.37)	0.56 (0.42)	176 (134)
27	22.90 (11.50)	11.70 (5.89)	0.65 (0.33)	191 (96)	17.20 (14.40)	8.80 (7.38)	0.51 (0.42)	160 (134)
28	25.10 (10.50)	12.90 (5.39)	0.72 (0.30)	209 (88)	22.20 (15.80)	11.40 (8.12)	0.65 (0.47)	207 (148)
29	19.70 (8.33)	10.10 (4.27)	0.56 (0.24)	164 (69)	21.60 (16.00)	11.10 (8.23)	0.64 (0.47)	201 (150)
30								
31	28.60 (6.69)	14.70 (3.43)	0.82 (0.19)	238 (56)	20.70 (8.87)	10.60 (4.55)	0.61 (0.26)	193 (83)
Mean	25.4	13.0	0.7	210.0	19.7	10.1	0.6	188.0
n	21	21	21	21	25	25	25	25
SD	3.7	1.9	0.1	30.8	5.8	3.0	0.2	54.5
Min	19.6	10.0	0.6	163.0	6.2	3.2	0.2	63.3
Max	35.9	18.4	1.0	300.0	29.2	15.0	0.9	287.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for November, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	29.40 (9.55)	15.10 (4.90)	0.84 (0.27)	244 (79)	25.90 (13.40)	13.30 (6.88)	0.76 (0.40)	242 (125)
2	29.50 (10.30)	15.10 (5.31)	0.84 (0.30)	245 (86)	23.10 (12.60)	11.90 (6.44)	0.68 (0.37)	216 (117)
3	26.00 (6.38)	13.30 (3.27)	0.74 (0.18)	216 (53)	24.80 (9.67)	12.70 (4.96)	0.73 (0.29)	233 (91)
4	31.20 (9.03)	16.00 (4.63)	0.89 (0.26)	259 (75)	21.20 (5.74)	10.90 (2.94)	0.63 (0.17)	199 (54)
5	33.90 (11.60)	17.40 (5.93)	0.97 (0.33)	282 (96)	13.20 (5.84)	6.78 (3.00)	0.39 (0.17)	124 (55)
6	34.30 (10.10)	17.60 (5.18)	0.98 (0.29)	285 (84)	26.70 (7.47)	13.70 (3.83)	0.79 (0.22)	251 (71)
7	39.30 (13.90)	20.10 (7.14)	1.12 (0.40)	326 (116)	34.10 (20.20)	17.50 (10.30)	1.00 (0.60)	322 (190)
8	41.20 (14.50)	21.10 (7.45)	1.18 (0.42)	342 (120)	37.20 (12.50)	19.10 (6.43)	1.10 (0.37)	351 (118)
9	51.10 (16.90)	26.20 (8.67)	1.46 (0.48)	423 (140)	49.30 (17.90)	25.30 (9.17)	1.45 (0.53)	463 (168)
10	41.40 (11.80)	21.20 (6.07)	1.18 (0.34)	341 (98)	36.50 (11.30)	18.70 (5.80)	1.08 (0.33)	342 (106)
11	51.20 (15.20)	26.20 (7.79)	1.46 (0.43)	421 (125)	55.20 (13.50)	28.30 (6.92)	1.63 (0.40)	515 (126)
12	49.40 (25.10)	25.30 (12.80)	1.41 (0.72)	405 (205)	54.20 (24.30)	27.80 (12.50)	1.60 (0.72)	504 (226)
13					53.00 (23.40)	27.20 (12.00)	1.56 (0.69)	491 (217)
14	48.30 (21.20)	24.80 (10.90)	1.38 (0.61)	393 (172)	56.40 (26.00)	28.90 (13.30)	1.66 (0.77)	521 (240)
15	54.20 (23.30)	27.80 (11.90)	1.55 (0.67)	440 (189)	60.20 (32.90)	30.90 (16.90)	1.77 (0.97)	553 (302)
16	51.50 (24.00)	26.40 (12.30)	1.47 (0.69)	418 (194)	56.90 (31.50)	29.20 (16.20)	1.68 (0.93)	521 (288)
17	35.30 (14.70)	18.10 (7.53)	1.01 (0.42)	286 (119)	41.30 (22.20)	21.20 (11.40)	1.22 (0.66)	377 (203)
18	37.10 (18.80)	19.00 (9.62)	1.06 (0.54)	300 (152)	47.00 (23.10)	24.10 (11.80)	1.39 (0.68)	427 (209)
19	37.80 (17.50)	19.40 (8.98)	1.08 (0.50)	306 (141)	40.30 (13.90)	20.70 (7.13)	1.19 (0.41)	364 (126)
20	42.00 (15.60)	21.50 (8.02)	1.20 (0.45)	338 (126)	40.80 (14.00)	20.90 (7.20)	1.20 (0.41)	367 (126)
21	31.00 (6.72)	15.90 (3.45)	0.89 (0.19)	250 (54)	43.00 (15.40)	22.00 (7.90)	1.27 (0.46)	385 (138)
22	32.70 (8.13)	16.80 (4.17)	0.94 (0.23)	264 (66)	23.80 (8.13)	12.20 (4.17)	0.70 (0.24)	212 (73)
23	29.20 (9.97)	15.00 (5.11)	0.84 (0.29)	236 (80)	35.30 (11.20)	18.10 (5.72)	1.04 (0.33)	315 (100)
24	38.00 (8.33)	19.50 (4.27)	1.09 (0.24)	307 (67)	56.30 (11.20)	28.90 (5.74)	1.66 (0.33)	501 (100)
25	49.80 (10.70)	25.50 (5.50)	1.43 (0.31)	403 (87)	19.90 (5.46)	10.20 (2.80)	0.59 (0.16)	177 (49)
26	59.40 (18.40)	30.50 (9.42)	1.70 (0.53)	482 (149)	26.10 (11.00)	13.40 (5.66)	0.77 (0.33)	232 (98)
27	61.20 (15.60)	31.40 (7.99)	1.75 (0.45)	497 (126)	70.10 (21.40)	35.90 (11.00)	2.07 (0.63)	621 (190)
28	58.30 (15.50)	29.90 (7.97)	1.67 (0.45)	475 (126)	71.20 (16.70)	36.50 (8.58)	2.10 (0.49)	630 (148)
29	45.40 (9.18)	23.30 (4.71)	1.30 (0.26)	370 (75)	38.10 (18.70)	19.50 (9.61)	1.13 (0.55)	337 (166)
30	42.40 (13.00)	21.80 (6.64)	1.22 (0.37)	346 (106)	49.30 (13.90)	25.30 (7.13)	1.46 (0.41)	437 (123)
Mean	41.8	21.4	1.2	341.0	41.0	21.0	1.2	374.0
n	29	29	29	29	30	30	30	30
SD	9.8	5.0	0.3	79.3	15.1	7.7	0.5	135.0
Min	26.0	13.3	0.7	216.0	13.2	6.8	0.4	124.0
Max	61.2	31.4	1.8	497.0	71.2	36.5	2.1	630.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for December, 2008.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	42.90 (9.11)	22.00 (4.67)	1.23 (0.26)	350 (74)	63.20 (18.40)	32.40 (9.46)	1.87 (0.55)	561 (164)
2	57.50 (11.00)	29.50 (5.65)	1.65 (0.32)	470 (90)	54.50 (9.96)	28.00 (5.11)	1.61 (0.29)	485 (89)
3	54.00 (19.60)	27.70 (10.00)	1.55 (0.56)	441 (160)	35.20 (13.30)	18.00 (6.82)	1.04 (0.39)	314 (119)
4					65.00 (20.00)	33.30 (10.20)	1.92 (0.59)	580 (178)
5					49.30 (23.20)	25.30 (11.90)	1.46 (0.69)	441 (207)
6					53.00 (19.20)	27.20 (9.84)	1.57 (0.57)	474 (172)
7					29.10 (11.00)	14.90 (5.64)	0.86 (0.33)	260 (99)
8					59.60 (20.60)	30.60 (10.60)	1.76 (0.61)	535 (185)
9					66.90 (24.90)	34.30 (12.80)	1.98 (0.74)	601 (224)
10					62.80 (19.10)	32.20 (9.81)	1.86 (0.57)	565 (172)
11					48.50 (22.80)	24.90 (11.70)	1.43 (0.67)	436 (205)
12					45.40 (17.20)	23.30 (8.83)	1.34 (0.51)	409 (155)
13					31.00 (8.62)	15.90 (4.42)	0.92 (0.26)	280 (78)
14					49.60 (19.60)	25.40 (10.10)	1.47 (0.58)	448 (178)
15					66.70 (17.50)	34.20 (8.95)	1.97 (0.52)	604 (158)
16					43.80 (16.80)	22.50 (8.61)	1.30 (0.50)	398 (152)
17					36.40 (11.40)	18.70 (5.83)	1.08 (0.34)	331 (103)
18					54.80 (16.60)	28.10 (8.52)	1.62 (0.49)	499 (151)
19	48.90 (18.20)	25.10 (9.33)	1.41 (0.52)	409 (152)	55.50 (17.40)	28.50 (8.91)	1.64 (0.51)	506 (158)
20	49.50 (13.30)	25.40 (6.84)	1.43 (0.38)	414 (112)	60.10 (15.10)	30.80 (7.73)	1.78 (0.45)	548 (138)
21	46.80 (15.40)	24.00 (7.91)	1.35 (0.44)	390 (129)	52.80 (18.70)	27.10 (9.58)	1.56 (0.55)	482 (170)
22	51.30 (15.80)	26.30 (8.11)	1.48 (0.46)	427 (132)	56.00 (15.60)	28.70 (8.01)	1.66 (0.46)	510 (142)
23	48.90 (19.60)	25.10 (10.10)	1.41 (0.57)	406 (163)	52.70 (15.10)	27.00 (7.74)	1.56 (0.45)	480 (138)
24	47.40 (19.90)	24.30 (10.20)	1.37 (0.57)	393 (165)	47.80 (16.20)	24.50 (8.30)	1.42 (0.48)	435 (147)
25	51.30 (21.80)	26.30 (11.20)	1.48 (0.63)	424 (181)	48.60 (15.20)	24.90 (7.79)	1.44 (0.45)	442 (138)
26	43.60 (12.80)	22.30 (6.59)	1.26 (0.37)	360 (106)	50.80 (12.00)	26.00 (6.13)	1.50 (0.35)	462 (109)
27	39.40 (12.50)	20.20 (6.39)	1.14 (0.36)	325 (103)	33.60 (13.90)	17.20 (7.13)	1.00 (0.41)	306 (126)
28	41.50 (10.60)	21.30 (5.44)	1.20 (0.31)	344 (88)	25.80 (10.60)	13.20 (5.46)	0.76 (0.32)	235 (97)
29	48.80 (14.70)	25.00 (7.55)	1.41 (0.43)	405 (122)	45.00 (12.00)	23.10 (6.17)	1.33 (0.36)	411 (110)
30	47.50 (17.50)	24.40 (8.98)	1.37 (0.51)	395 (146)	26.70 (11.10)	13.70 (5.71)	0.79 (0.33)	244 (102)
31	46.20 (18.30)	23.70 (9.36)	1.33 (0.53)	386 (152)	51.40 (16.60)	26.40 (8.49)	1.52 (0.49)	471 (152)
Mean	47.8	24.5	1.4	396.0	49.1	25.2	1.5	444.0
n	16	16	16	16	31	31	31	31
SD	4.5	2.3	0.1	36.5	11.5	5.9	0.3	103.0
Min	39.4	20.2	1.1	325.0	25.8	13.2	0.8	235.0
Max	57.5	29.5	1.7	470.0	66.9	34.3	2.0	604.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for January, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	45.30 (17.30)	23.30 (8.87)	1.31 (0.50)	379 (145)	55.80 (15.90)	28.60 (8.16)	1.65 (0.47)	512 (146)
2	44.80 (14.90)	23.00 (7.64)	1.29 (0.43)	376 (125)	54.80 (11.00)	28.10 (5.62)	1.62 (0.33)	504 (101)
3	49.00 (15.60)	25.20 (8.02)	1.42 (0.45)	412 (131)	45.60 (13.00)	23.40 (6.67)	1.35 (0.39)	419 (120)
4	44.00 (15.70)	22.60 (8.04)	1.27 (0.45)	369 (132)	49.80 (17.30)	25.50 (8.90)	1.48 (0.51)	456 (159)
5	47.00 (14.60)	24.10 (7.49)	1.36 (0.42)	394 (122)	55.60 (11.00)	28.50 (5.62)	1.65 (0.33)	508 (100)
6	50.00 (13.20)	25.60 (6.77)	1.44 (0.38)	419 (111)	52.50 (22.50)	26.90 (11.50)	1.56 (0.67)	478 (205)
7	46.00 (15.90)	23.60 (8.18)	1.33 (0.46)	385 (133)	52.20 (20.00)	26.80 (10.30)	1.55 (0.59)	473 (181)
8	51.70 (14.10)	26.50 (7.25)	1.49 (0.41)	433 (118)	42.80 (15.10)	22.00 (7.76)	1.27 (0.45)	387 (137)
9	52.20 (18.50)	26.80 (9.51)	1.51 (0.54)	436 (155)	53.70 (14.50)	27.60 (7.46)	1.59 (0.43)	484 (131)
10	49.00 (13.80)	25.10 (7.08)	1.42 (0.40)	412 (116)	42.30 (12.70)	21.70 (6.51)	1.25 (0.38)	381 (114)
11	48.40 (17.80)	24.80 (9.12)	1.40 (0.51)	410 (150)	51.70 (7.67)	26.50 (3.93)	1.53 (0.23)	468 (69)
12	52.30 (14.50)	26.80 (7.44)	1.51 (0.42)	447 (124)	33.20 (12.00)	17.00 (6.14)	0.98 (0.36)	302 (109)
13	52.20 (19.10)	26.80 (9.79)	1.51 (0.55)	451 (165)	48.10 (15.90)	24.70 (8.13)	1.43 (0.47)	441 (146)
14	52.00 (19.60)	26.70 (10.00)	1.51 (0.57)	454 (170)	56.70 (17.00)	29.10 (8.72)	1.68 (0.51)	522 (157)
15	49.50 (15.50)	25.40 (7.95)	1.43 (0.45)	436 (136)	53.80 (13.60)	27.60 (6.98)	1.60 (0.40)	498 (126)
16	50.50 (18.30)	25.90 (9.37)	1.46 (0.53)	449 (162)	53.00 (15.00)	27.20 (7.68)	1.57 (0.44)	494 (140)
17	48.40 (19.80)	24.80 (10.20)	1.40 (0.57)	432 (177)	50.10 (17.70)	25.70 (9.08)	1.49 (0.53)	468 (165)
18	41.50 (13.90)	21.30 (7.15)	1.20 (0.40)	371 (124)	43.70 (12.60)	22.40 (6.47)	1.30 (0.38)	408 (118)
19	38.10 (15.50)	19.60 (7.93)	1.11 (0.45)	340 (138)	47.70 (14.90)	24.50 (7.65)	1.42 (0.44)	446 (140)
20	33.50 (10.70)	17.20 (5.49)	0.97 (0.31)	299 (96)	42.20 (13.40)	21.60 (6.86)	1.25 (0.40)	395 (125)
21	35.30 (10.90)	18.10 (5.60)	1.02 (0.32)	315 (97)	40.50 (15.10)	20.70 (7.73)	1.20 (0.45)	379 (141)
22	43.40 (9.97)	22.20 (5.11)	1.26 (0.29)	387 (89)	43.60 (16.10)	22.40 (8.26)	1.30 (0.48)	410 (151)
23	49.80 (9.79)	25.50 (5.02)	1.45 (0.28)	444 (87)	53.60 (18.90)	27.50 (9.68)	1.59 (0.56)	503 (177)
24	49.70 (12.00)	25.50 (6.15)	1.44 (0.35)	443 (107)	47.10 (11.40)	24.20 (5.87)	1.40 (0.34)	444 (108)
25	48.00 (11.10)	24.60 (5.71)	1.39 (0.32)	426 (99)	39.40 (15.50)	20.20 (7.92)	1.17 (0.46)	371 (145)
26	49.10 (5.37)	25.20 (2.75)	1.43 (0.16)	436 (48)	42.10 (8.23)	21.60 (4.22)	1.25 (0.25)	397 (78)
27	42.80 (4.34)	22.00 (2.23)	1.24 (0.13)	379 (39)	38.00 (7.88)	19.50 (4.04)	1.13 (0.23)	358 (74)
28	42.00 (13.00)	21.50 (6.67)	1.22 (0.38)	372 (115)	38.70 (16.70)	19.80 (8.57)	1.15 (0.50)	365 (158)
29	42.50 (10.20)	21.80 (5.23)	1.23 (0.30)	375 (90)	35.20 (7.18)	18.10 (3.68)	1.05 (0.21)	333 (68)
30	47.90 (12.30)	24.60 (6.28)	1.39 (0.36)	423 (108)	35.90 (7.91)	18.40 (4.06)	1.07 (0.24)	340 (75)
31	50.00 (17.00)	25.60 (8.72)	1.45 (0.50)	441 (150)	38.40 (10.50)	19.70 (5.36)	1.14 (0.31)	364 (99)
Mean	46.6	23.9	1.4	405.0	46.4	23.8	1.4	429.0
n	31	31	31	31	31	31	31	31
SD	4.8	2.5	0.1	39.8	6.8	3.5	0.2	60.3
Min	33.5	17.2	1.0	299.0	33.2	17.0	1.0	302.0
Max	52.3	26.8	1.5	454.0	56.7	29.1	1.7	522.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for February, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	55.10 (21.80)	28.20 (11.20)	1.60 (0.64)	488 (194)	37.80 (10.80)	19.40 (5.52)	1.13 (0.32)	357 (102)
2	57.70 (21.60)	29.60 (11.10)	1.68 (0.63)	513 (193)	40.70 (13.40)	20.90 (6.85)	1.21 (0.40)	384 (126)
3	54.60 (25.80)	28.00 (13.20)	1.59 (0.75)	488 (231)	38.50 (18.10)	19.80 (9.29)	1.15 (0.54)	363 (171)
4	49.30 (21.60)	25.30 (11.10)	1.44 (0.63)	443 (194)	36.10 (11.40)	18.50 (5.84)	1.07 (0.34)	339 (107)
5	43.30 (11.60)	22.20 (5.93)	1.26 (0.34)	390 (104)	31.80 (7.99)	16.30 (4.10)	0.95 (0.24)	299 (75)
6	41.50 (6.70)	21.30 (3.43)	1.21 (0.20)	375 (60)	34.40 (8.76)	17.60 (4.49)	1.02 (0.26)	322 (82)
7	46.60 (12.80)	23.90 (6.55)	1.36 (0.37)	422 (116)	36.80 (8.45)	18.90 (4.33)	1.10 (0.25)	345 (79)
8	36.60 (12.50)	18.80 (6.39)	1.07 (0.36)	332 (113)	34.50 (9.50)	17.70 (4.87)	1.03 (0.28)	323 (89)
9	34.10 (6.89)	17.50 (3.54)	1.00 (0.20)	309 (63)	35.10 (7.83)	18.00 (4.02)	1.05 (0.23)	329 (73)
10	25.30 (13.10)	13.00 (6.71)	0.74 (0.38)	229 (119)	33.40 (10.40)	17.10 (5.33)	1.00 (0.31)	312 (97)
11	13.10 (8.50)	6.71 (4.36)	0.38 (0.25)	119 (77)	21.80 (10.30)	11.20 (5.28)	0.65 (0.31)	204 (96)
12	4.99 (1.41)	2.56 (0.72)	0.15 (0.04)	45 (13)	9.67 (8.44)	4.96 (4.33)	0.29 (0.25)	90 (79)
13	4.32 (1.05)	2.21 (0.54)	0.13 (0.03)	39 (10)	3.47 (0.94)	1.78 (0.48)	0.10 (0.03)	32 (9)
14	4.69 (0.87)	2.40 (0.45)	0.14 (0.03)	43 (8)	3.84 (0.82)	1.97 (0.42)	0.11 (0.02)	36 (8)
15	5.03 (1.88)	2.58 (0.97)	0.15 (0.06)	46 (17)	4.69 (1.77)	2.40 (0.91)	0.14 (0.05)	44 (17)
16	5.69 (1.17)	2.92 (0.60)	0.17 (0.03)	52 (11)	5.75 (1.88)	2.95 (0.97)	0.17 (0.06)	54 (18)
17	6.79 (1.55)	3.48 (0.79)	0.20 (0.05)	61 (14)	9.51 (3.13)	4.88 (1.61)	0.28 (0.09)	89 (29)
18	9.44 (2.46)	4.84 (1.26)	0.28 (0.07)	85 (22)	12.90 (4.91)	6.61 (2.52)	0.39 (0.15)	120 (46)
19	11.60 (2.33)	5.94 (1.19)	0.34 (0.07)	104 (21)	16.50 (6.44)	8.45 (3.30)	0.49 (0.19)	153 (60)
20	14.70 (4.43)	7.52 (2.27)	0.43 (0.13)	132 (40)	19.00 (7.87)	9.75 (4.03)	0.57 (0.24)	176 (73)
21	16.40 (4.59)	8.40 (2.35)	0.48 (0.13)	147 (41)	18.80 (8.13)	9.67 (4.17)	0.56 (0.24)	175 (76)
22	19.30 (6.82)	9.92 (3.50)	0.57 (0.20)	174 (61)	17.80 (7.63)	9.14 (3.91)	0.53 (0.23)	165 (71)
23	23.10 (8.73)	11.90 (4.47)	0.68 (0.26)	207 (78)	21.30 (7.12)	10.90 (3.65)	0.64 (0.21)	198 (66)
24	26.80 (8.00)	13.70 (4.10)	0.79 (0.23)	240 (72)	24.00 (10.00)	12.30 (5.14)	0.72 (0.30)	223 (93)
25	31.60 (7.60)	16.20 (3.90)	0.93 (0.22)	283 (68)	26.50 (10.50)	13.60 (5.40)	0.79 (0.32)	246 (98)
26	33.10 (9.27)	17.00 (4.75)	0.97 (0.27)	296 (83)	28.20 (11.20)	14.50 (5.73)	0.84 (0.33)	262 (104)
27	34.90 (10.50)	17.90 (5.38)	1.02 (0.31)	312 (94)	30.90 (15.10)	15.90 (7.72)	0.93 (0.45)	287 (140)
28	33.80 (7.76)	17.30 (3.98)	0.99 (0.23)	302 (69)	32.50 (13.60)	16.70 (6.98)	0.97 (0.41)	302 (126)
Mean	26.5	13.6	0.8	238.0	23.8	12.2	0.7	222.0
n	28	28	28	28	28	28	28	28
SD	17.0	8.7	0.5	152.0	11.7	6.0	0.4	110.0
Min	4.3	2.2	0.1	39.2	3.5	1.8	0.1	32.4
Max	57.7	29.6	1.7	513.0	40.7	20.9	1.2	384.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for March, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	38.30 (11.60)	19.60 (5.93)	1.12 (0.34)	341 (103)	33.10 (15.90)	17.00 (8.16)	0.99 (0.48)	308 (148)
2	42.90 (11.60)	22.00 (5.96)	1.26 (0.34)	382 (104)	41.70 (14.30)	21.40 (7.32)	1.25 (0.43)	388 (133)
3	34.80 (10.20)	17.80 (5.24)	1.02 (0.30)	310 (91)	40.90 (17.60)	21.00 (9.02)	1.22 (0.53)	380 (163)
4	37.30 (12.70)	19.10 (6.52)	1.10 (0.37)	331 (113)	47.10 (18.40)	24.20 (9.45)	1.41 (0.55)	438 (171)
5	37.10 (9.30)	19.00 (4.77)	1.09 (0.27)	329 (83)	46.70 (19.90)	23.90 (10.20)	1.40 (0.60)	434 (185)
6	35.40 (8.97)	18.10 (4.60)	1.04 (0.26)	314 (80)	44.50 (19.50)	22.80 (10.00)	1.33 (0.59)	413 (182)
7	35.70 (7.66)	18.30 (3.93)	1.05 (0.23)	316 (68)	39.60 (18.50)	20.30 (9.48)	1.19 (0.55)	368 (172)
8	35.10 (9.08)	18.00 (4.66)	1.03 (0.27)	310 (80)	37.30 (14.70)	19.10 (7.51)	1.12 (0.44)	346 (136)
9	39.80 (7.73)	20.40 (3.96)	1.17 (0.23)	352 (68)	39.70 (17.60)	20.40 (9.05)	1.19 (0.53)	368 (164)
10	39.00 (20.90)	20.00 (10.70)	1.15 (0.62)	345 (185)	35.60 (20.10)	18.30 (10.30)	1.07 (0.60)	330 (186)
11								
12	54.80 (9.73)	28.10 (4.99)	1.61 (0.29)	484 (86)	50.60 (19.20)	26.00 (9.84)	1.52 (0.58)	467 (177)
13	52.80 (23.20)	27.10 (11.90)	1.56 (0.68)	466 (205)	51.70 (26.10)	26.50 (13.40)	1.55 (0.78)	476 (240)
14	52.50 (10.30)	26.90 (5.29)	1.55 (0.30)	464 (91)	46.70 (14.80)	23.90 (7.61)	1.40 (0.45)	429 (136)
15	54.30 (23.10)	27.80 (11.80)	1.60 (0.68)	480 (205)	48.70 (20.40)	24.90 (10.50)	1.46 (0.61)	448 (188)
16	54.30 (22.70)	27.80 (11.70)	1.60 (0.67)	481 (202)	50.00 (25.20)	25.70 (12.90)	1.50 (0.76)	460 (232)
17	52.20 (28.00)	26.80 (14.40)	1.54 (0.83)	464 (249)	50.80 (27.40)	26.10 (14.10)	1.53 (0.82)	468 (252)
18	39.80 (18.60)	20.40 (9.53)	1.17 (0.55)	354 (165)	41.10 (18.80)	21.10 (9.66)	1.23 (0.57)	378 (173)
19	41.50 (20.80)	21.30 (10.70)	1.23 (0.62)	370 (186)	40.40 (23.30)	20.70 (11.90)	1.21 (0.70)	372 (214)
20	46.20 (20.30)	23.70 (10.40)	1.36 (0.60)	413 (182)	42.70 (27.20)	21.90 (13.90)	1.28 (0.82)	394 (250)
21	33.80 (9.86)	17.30 (5.06)	1.00 (0.29)	302 (88)	33.60 (15.70)	17.20 (8.03)	1.01 (0.47)	309 (144)
22	35.10 (9.26)	18.00 (4.75)	1.04 (0.27)	314 (83)	37.90 (12.30)	19.40 (6.32)	1.14 (0.37)	347 (113)
23	31.80 (5.31)	16.30 (2.72)	0.94 (0.16)	284 (47)	36.90 (18.00)	18.90 (9.23)	1.11 (0.54)	337 (165)
24	30.90 (9.46)	15.80 (4.85)	0.91 (0.28)	276 (84)	37.80 (14.20)	19.40 (7.28)	1.14 (0.43)	344 (129)
25	43.30 (20.40)	22.20 (10.50)	1.28 (0.60)	386 (182)	38.90 (21.80)	19.90 (11.20)	1.17 (0.66)	353 (198)
26	50.10 (23.60)	25.70 (12.10)	1.48 (0.70)	447 (211)	47.70 (29.60)	24.50 (15.20)	1.43 (0.89)	432 (268)
27								
28								
29								
30								
31								
Mean	41.9	21.5	1.2	373.0	42.5	21.8	1.3	391.0
n	25	25	25	25	25	25	25	25
SD	7.7	4.0	0.2	67.8	5.5	2.8	0.2	50.7
Min	30.9	15.8	0.9	276.0	33.1	17.0	1.0	308.0
Max	54.8	28.1	1.6	484.0	51.7	26.5	1.6	476.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for April, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	34.90 (10.90)	17.90 (5.58)	1.04 (0.32)	311 (97)	21.70 (7.94)	11.10 (4.07)	0.65 (0.24)	197 (72)
16	40.10 (18.70)	20.60 (9.59)	1.20 (0.56)	359 (167)				
17	45.20 (19.40)	23.20 (9.94)	1.35 (0.58)	405 (174)	29.90 (16.90)	15.30 (8.68)	0.90 (0.51)	271 (154)
18	47.00 (18.10)	24.10 (9.28)	1.40 (0.54)	421 (162)	38.20 (15.00)	19.60 (7.68)	1.15 (0.45)	348 (136)
19	43.60 (16.10)	22.30 (8.24)	1.30 (0.48)	390 (144)	34.30 (15.40)	17.60 (7.92)	1.04 (0.47)	312 (141)
20	44.10 (15.80)	22.60 (8.12)	1.32 (0.47)	395 (142)	34.30 (16.00)	17.60 (8.21)	1.03 (0.48)	312 (146)
21	37.40 (10.30)	19.20 (5.28)	1.12 (0.31)	334 (92)	28.20 (8.46)	14.40 (4.34)	0.85 (0.26)	257 (77)
22	33.70 (12.60)	17.30 (6.48)	1.01 (0.38)	301 (113)	22.40 (8.15)	11.50 (4.18)	0.68 (0.25)	205 (74)
23	23.50 (10.50)	12.00 (5.38)	0.70 (0.31)	209 (93)	13.80 (6.29)	7.05 (3.22)	0.42 (0.19)	126 (58)
24	15.90 (4.92)	8.13 (2.53)	0.47 (0.15)	141 (44)	10.00 (3.79)	5.15 (1.94)	0.30 (0.11)	92 (35)
25	19.30 (11.10)	9.90 (5.70)	0.58 (0.33)	172 (99)	10.00 (4.70)	5.14 (2.41)	0.30 (0.14)	92 (43)
26	19.30 (10.20)	9.88 (5.25)	0.58 (0.31)	171 (91)	10.00 (6.09)	5.15 (3.13)	0.30 (0.18)	92 (56)
27	19.20 (9.92)	9.82 (5.09)	0.57 (0.30)	170 (88)	9.48 (5.29)	4.86 (2.71)	0.29 (0.16)	87 (48)
28	17.60 (6.10)	9.00 (3.13)	0.53 (0.18)	156 (54)	10.40 (3.85)	5.32 (1.97)	0.31 (0.12)	95 (35)
29	22.10 (10.70)	11.30 (5.51)	0.66 (0.32)	196 (95)	12.50 (5.18)	6.42 (2.65)	0.38 (0.16)	114 (47)
30	25.20 (11.50)	12.90 (5.90)	0.76 (0.35)	224 (102)	15.60 (8.62)	8.00 (4.42)	0.47 (0.26)	142 (79)
Mean	30.5	15.6	0.9	272.0	20.1	10.3	0.6	183.0
n	16	16	16	16	15	15	15	15
SD	11.0	5.6	0.3	98.8	10.1	5.2	0.3	91.7
Min	15.9	8.1	0.5	141.0	9.5	4.9	0.3	86.6
Max	47.0	24.1	1.4	421.0	38.2	19.6	1.2	348.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for May, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	19.40 (7.51)	9.97 (3.85)	0.58 (0.23)	172 (67)	16.20 (4.53)	8.33 (2.32)	0.49 (0.14)	148 (41)
2	15.60 (3.11)	7.99 (1.59)	0.47 (0.09)	140 (28)	16.50 (4.78)	8.48 (2.45)	0.50 (0.15)	151 (44)
3	21.90 (11.90)	11.20 (6.12)	0.66 (0.36)	201 (110)	21.00 (10.90)	10.70 (5.61)	0.63 (0.33)	191 (100)
4	22.20 (10.30)	11.40 (5.26)	0.67 (0.31)	209 (97)	24.80 (10.30)	12.70 (5.26)	0.75 (0.31)	226 (93)
5	21.60 (8.76)	11.10 (4.49)	0.65 (0.26)	209 (85)	25.70 (7.00)	13.20 (3.59)	0.78 (0.21)	234 (64)
6	17.60 (8.42)	9.00 (4.32)	0.53 (0.25)	174 (84)	22.90 (9.69)	11.80 (4.97)	0.69 (0.29)	209 (88)
7	12.10 (5.82)	6.23 (2.98)	0.37 (0.18)	124 (60)	17.40 (9.50)	8.92 (4.87)	0.53 (0.29)	159 (87)
8	12.20 (6.33)	6.24 (3.25)	0.37 (0.19)	127 (67)	17.70 (7.24)	9.07 (3.71)	0.54 (0.22)	161 (66)
9	11.00 (4.70)	5.63 (2.41)	0.33 (0.14)	116 (50)	16.70 (6.87)	8.56 (3.52)	0.51 (0.21)	152 (63)
10	8.75 (4.90)	4.49 (2.51)	0.26 (0.15)	93 (52)	15.20 (6.62)	7.79 (3.39)	0.46 (0.20)	139 (60)
11	6.87 (4.02)	3.52 (2.06)	0.21 (0.12)	73 (43)	10.00 (5.38)	5.14 (2.76)	0.30 (0.16)	92 (49)
12	5.06 (2.95)	2.59 (1.51)	0.15 (0.09)	54 (31)	7.75 (5.12)	3.97 (2.62)	0.24 (0.16)	71 (47)
13	5.82 (2.90)	2.99 (1.48)	0.18 (0.09)	62 (31)	8.85 (4.90)	4.54 (2.51)	0.27 (0.15)	81 (45)
14	6.09 (3.03)	3.12 (1.55)	0.18 (0.09)	65 (32)	9.08 (5.35)	4.66 (2.74)	0.28 (0.16)	83 (49)
15	6.72 (3.01)	3.45 (1.54)	0.20 (0.09)	71 (32)	10.70 (5.96)	5.51 (3.06)	0.33 (0.18)	99 (55)
16	7.18 (2.51)	3.68 (1.29)	0.22 (0.08)	77 (27)	14.30 (5.53)	7.33 (2.84)	0.43 (0.17)	131 (51)
17	2.47 (3.33)	1.27 (1.71)	0.07 (0.10)	27 (36)	11.30 (3.79)	5.79 (1.94)	0.34 (0.12)	104 (35)
18	8.52 (2.93)	4.37 (1.50)	0.26 (0.09)	94 (33)	15.30 (5.69)	7.83 (2.92)	0.46 (0.17)	141 (52)
19	6.39 (2.36)	3.28 (1.21)	0.19 (0.07)	72 (27)	9.50 (3.61)	4.87 (1.85)	0.29 (0.11)	88 (33)
20	5.27 (2.39)	2.70 (1.23)	0.16 (0.07)	61 (28)	7.05 (3.74)	3.62 (1.92)	0.21 (0.11)	65 (35)
21	5.16 (2.41)	2.65 (1.24)	0.16 (0.07)	60 (28)	7.11 (3.26)	3.65 (1.67)	0.22 (0.10)	66 (30)
22	5.22 (2.07)	2.68 (1.06)	0.16 (0.06)	62 (25)	6.56 (3.15)	3.36 (1.62)	0.20 (0.10)	61 (29)
23	4.22 (1.99)	2.16 (1.02)	0.13 (0.06)	50 (24)	5.20 (2.94)	2.66 (1.51)	0.16 (0.09)	48 (27)
24	3.99 (2.06)	2.04 (1.06)	0.12 (0.06)	47 (24)	4.89 (2.91)	2.51 (1.49)	0.15 (0.09)	45 (27)
25	3.59 (2.05)	1.84 (1.05)	0.11 (0.06)	43 (24)	5.49 (3.17)	2.82 (1.62)	0.17 (0.10)	51 (29)
26	3.88 (2.60)	1.99 (1.33)	0.12 (0.08)	46 (31)	7.07 (5.19)	3.63 (2.66)	0.22 (0.16)	65 (48)
27	4.16 (2.58)	2.13 (1.32)	0.13 (0.08)	49 (30)	9.21 (4.00)	4.72 (2.05)	0.28 (0.12)	85 (37)
28	5.62 (1.96)	2.88 (1.00)	0.17 (0.06)	65 (23)	9.19 (3.12)	4.71 (1.60)	0.28 (0.09)	84 (29)
29	5.60 (2.30)	2.87 (1.18)	0.17 (0.07)	65 (27)	8.39 (3.48)	4.30 (1.78)	0.26 (0.11)	77 (32)
30	4.32 (2.02)	2.22 (1.03)	0.13 (0.06)	50 (23)	6.68 (3.50)	3.43 (1.80)	0.20 (0.11)	61 (32)
31	5.09 (2.19)	2.61 (1.12)	0.15 (0.07)	58 (25)	8.49 (3.79)	4.35 (1.94)	0.26 (0.12)	78 (35)
Mean	8.8	4.5	0.3	90.8	12.1	6.2	0.4	111.0
n	31	31	31	31	31	31	31	31
SD	5.9	3.0	0.2	52.0	5.8	3.0	0.2	53.0
Min	2.5	1.3	0.1	26.9	4.9	2.5	0.2	45.1
Max	22.2	11.4	0.7	209.0	25.7	13.2	0.8	234.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for June, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	5.45 (2.29)	2.80 (1.18)	0.17 (0.07)	62 (26)	8.37 (3.91)	4.29 (2.01)	0.25 (0.12)	77 (36)
2	4.89 (1.35)	2.51 (0.69)	0.15 (0.04)	56 (15)	6.84 (2.22)	3.51 (1.14)	0.21 (0.07)	63 (21)
3	7.44 (2.39)	3.82 (1.23)	0.23 (0.07)	84 (27)	9.37 (4.13)	4.80 (2.12)	0.29 (0.13)	87 (39)
4	8.45 (2.37)	4.33 (1.22)	0.26 (0.07)	95 (27)	7.96 (3.64)	4.08 (1.87)	0.24 (0.11)	74 (34)
5	10.50 (2.70)	5.37 (1.39)	0.32 (0.08)	118 (30)	7.18 (2.96)	3.68 (1.52)	0.22 (0.09)	67 (28)
6	18.40 (4.99)	9.41 (2.56)	0.56 (0.15)	204 (55)	9.72 (3.98)	4.98 (2.04)	0.30 (0.12)	91 (37)
7	25.10 (7.11)	12.90 (3.65)	0.76 (0.22)	276 (78)	10.20 (3.98)	5.24 (2.04)	0.31 (0.12)	96 (37)
8	29.90 (8.13)	15.40 (4.17)	0.91 (0.25)	325 (88)	10.30 (4.74)	5.27 (2.43)	0.31 (0.14)	96 (44)
9	29.00 (7.91)	14.90 (4.06)	0.88 (0.24)	310 (85)	8.39 (4.67)	4.30 (2.40)	0.26 (0.14)	79 (44)
10	31.10 (7.60)	15.90 (3.90)	0.94 (0.23)	328 (80)	8.84 (3.64)	4.53 (1.87)	0.27 (0.11)	83 (34)
11	38.10 (11.10)	19.50 (5.71)	1.15 (0.34)	397 (116)	8.61 (4.83)	4.42 (2.48)	0.26 (0.15)	81 (45)
12	39.00 (13.30)	20.00 (6.82)	1.18 (0.40)	402 (137)	9.88 (5.02)	5.07 (2.58)	0.30 (0.15)	92 (47)
13	42.80 (14.20)	21.90 (7.27)	1.30 (0.43)	437 (145)	12.10 (5.43)	6.19 (2.79)	0.37 (0.17)	113 (51)
14	44.50 (16.60)	22.80 (8.49)	1.35 (0.50)	455 (169)	10.90 (5.49)	5.59 (2.82)	0.33 (0.17)	102 (51)
15	45.20 (15.60)	23.20 (7.98)	1.37 (0.47)	461 (158)	9.51 (5.39)	4.88 (2.77)	0.29 (0.16)	89 (50)
16	53.30 (17.10)	27.40 (8.79)	1.62 (0.52)	543 (174)	12.10 (5.73)	6.23 (2.94)	0.37 (0.18)	113 (54)
17	51.40 (19.20)	26.30 (9.84)	1.56 (0.58)	522 (195)	12.00 (4.97)	6.17 (2.55)	0.37 (0.15)	112 (46)
18	54.80 (16.20)	28.10 (8.30)	1.66 (0.49)	555 (164)	12.40 (4.23)	6.37 (2.17)	0.38 (0.13)	116 (40)
19	46.80 (13.80)	24.00 (7.08)	1.42 (0.42)	474 (140)	12.60 (4.33)	6.46 (2.22)	0.38 (0.13)	118 (41)
20	32.40 (13.10)	16.60 (6.73)	0.98 (0.40)	328 (133)	8.39 (4.44)	4.30 (2.28)	0.26 (0.14)	78 (42)
21	34.20 (13.80)	17.60 (7.06)	1.04 (0.42)	347 (140)	7.83 (3.86)	4.01 (1.98)	0.24 (0.12)	73 (36)
22	37.90 (12.00)	19.40 (6.13)	1.15 (0.36)	385 (121)	8.74 (3.29)	4.48 (1.69)	0.27 (0.10)	82 (31)
23	36.50 (7.93)	18.70 (4.07)	1.11 (0.24)	372 (81)	9.24 (2.49)	4.74 (1.28)	0.28 (0.08)	86 (23)
24	36.30 (9.25)	18.60 (4.75)	1.10 (0.28)	370 (95)	9.37 (2.64)	4.80 (1.36)	0.29 (0.08)	88 (25)
25	30.30 (10.40)	15.50 (5.34)	0.92 (0.32)	310 (107)	7.50 (2.76)	3.84 (1.42)	0.23 (0.08)	70 (26)
26	29.10 (9.59)	14.90 (4.92)	0.88 (0.29)	298 (98)	6.76 (3.25)	3.47 (1.67)	0.21 (0.10)	63 (31)
27	36.60 (7.87)	18.80 (4.03)	1.11 (0.24)	373 (79)	8.12 (3.03)	4.16 (1.55)	0.25 (0.09)	76 (28)
28	41.70 (9.29)	21.40 (4.76)	1.27 (0.28)	421 (93)	11.10 (3.30)	5.68 (1.69)	0.34 (0.10)	104 (31)
29	39.10 (7.91)	20.10 (4.06)	1.19 (0.24)	390 (79)	10.50 (2.52)	5.40 (1.29)	0.32 (0.08)	98 (24)
30	29.80 (8.59)	15.30 (4.40)	0.91 (0.26)	294 (84)	7.17 (3.00)	3.68 (1.54)	0.22 (0.09)	67 (28)
Mean	32.3	16.6	1.0	333.0	9.4	4.8	0.3	87.9
n	30	30	30	30	30	30	30	30
SD	13.7	7.1	0.4	136.0	1.7	0.9	0.1	15.9
Min	4.9	2.5	0.2	55.6	6.8	3.5	0.2	63.3
Max	54.8	28.1	1.7	555.0	12.6	6.5	0.4	118.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for July, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	31.30 (7.20)	16.00 (3.69)	0.95 (0.22)	305 (70)	7.01 (1.82)	3.59 (0.93)	0.21 (0.06)	66 (17)
2	30.00 (9.76)	15.40 (5.00)	0.91 (0.30)	289 (94)	7.79 (3.51)	4.00 (1.80)	0.24 (0.11)	73 (33)
3	30.20 (8.09)	15.50 (4.15)	0.92 (0.25)	288 (77)	7.60 (2.76)	3.90 (1.42)	0.23 (0.08)	71 (26)
4	27.00 (7.77)	13.80 (3.99)	0.82 (0.24)	255 (73)	6.97 (2.96)	3.57 (1.52)	0.21 (0.09)	65 (28)
5	25.40 (7.83)	13.00 (4.02)	0.77 (0.24)	237 (73)	6.30 (2.80)	3.23 (1.43)	0.19 (0.09)	59 (26)
6	21.60 (8.03)	11.10 (4.12)	0.66 (0.24)	200 (74)	5.51 (2.42)	2.83 (1.24)	0.17 (0.07)	52 (23)
7	18.90 (6.70)	9.70 (3.44)	0.58 (0.20)	174 (61)	5.61 (2.74)	2.88 (1.40)	0.17 (0.08)	53 (26)
8	18.30 (5.86)	9.41 (3.01)	0.56 (0.18)	167 (53)	5.92 (2.25)	3.03 (1.16)	0.18 (0.07)	56 (21)
9	16.10 (6.11)	8.24 (3.13)	0.49 (0.19)	145 (55)	5.17 (2.43)	2.65 (1.25)	0.16 (0.07)	49 (23)
10	16.20 (6.66)	8.33 (3.42)	0.49 (0.20)	145 (59)	5.88 (2.84)	3.02 (1.46)	0.18 (0.09)	56 (27)
11	15.00 (3.97)	7.72 (2.03)	0.46 (0.12)	134 (35)	4.68 (1.31)	2.40 (0.67)	0.14 (0.04)	44 (12)
12	14.60 (4.57)	7.48 (2.34)	0.44 (0.14)	129 (41)	5.33 (1.77)	2.73 (0.91)	0.16 (0.05)	50 (17)
13	14.40 (4.80)	7.38 (2.46)	0.44 (0.15)	127 (42)	5.16 (1.61)	2.65 (0.82)	0.16 (0.05)	48 (15)
14	17.40 (4.53)	8.94 (2.32)	0.53 (0.14)	154 (40)	7.80 (2.94)	4.00 (1.51)	0.24 (0.09)	73 (27)
15	18.80 (4.31)	9.65 (2.21)	0.57 (0.13)	166 (38)	8.07 (1.89)	4.14 (0.97)	0.25 (0.06)	75 (18)
16	17.70 (4.32)	9.06 (2.22)	0.54 (0.13)	155 (38)	6.81 (1.78)	3.49 (0.92)	0.21 (0.05)	63 (17)
17	17.70 (4.31)	9.07 (2.21)	0.54 (0.13)	155 (38)	7.15 (2.32)	3.67 (1.19)	0.22 (0.07)	66 (22)
18	15.60 (2.78)	8.01 (1.42)	0.48 (0.08)	136 (24)	5.88 (1.50)	3.02 (0.77)	0.18 (0.05)	54 (14)
19	16.50 (2.79)	8.44 (1.43)	0.50 (0.08)	144 (24)	6.57 (1.40)	3.37 (0.72)	0.20 (0.04)	61 (13)
20	15.00 (3.36)	7.69 (1.72)	0.46 (0.10)	131 (29)	6.07 (1.58)	3.11 (0.81)	0.19 (0.05)	56 (15)
21	12.70 (4.15)	6.51 (2.13)	0.39 (0.13)	111 (36)	6.06 (1.74)	3.11 (0.89)	0.19 (0.05)	56 (16)
22	12.80 (4.28)	6.54 (2.20)	0.39 (0.13)	111 (37)	6.01 (1.89)	3.08 (0.97)	0.19 (0.06)	55 (17)
23	11.80 (4.26)	6.06 (2.19)	0.36 (0.13)	103 (37)	5.73 (2.14)	2.94 (1.10)	0.18 (0.07)	52 (20)
24	12.20 (4.43)	6.26 (2.27)	0.37 (0.14)	106 (39)	5.65 (2.32)	2.90 (1.19)	0.17 (0.07)	51 (21)
25	11.60 (5.68)	5.97 (2.91)	0.36 (0.17)	101 (49)	6.40 (2.77)	3.28 (1.42)	0.20 (0.09)	58 (25)
26	25.60 (13.40)	13.10 (6.89)	0.78 (0.41)	223 (117)	8.60 (2.68)	4.41 (1.37)	0.26 (0.08)	78 (24)
27	31.00 (5.82)	15.90 (2.98)	0.95 (0.18)	269 (51)	8.71 (1.87)	4.47 (0.96)	0.27 (0.06)	79 (17)
28	23.90 (4.16)	12.20 (2.13)	0.73 (0.13)	207 (36)	8.56 (2.07)	4.39 (1.06)	0.26 (0.06)	78 (19)
29	17.10 (3.35)	8.76 (1.72)	0.52 (0.10)	148 (29)	6.41 (1.80)	3.29 (0.92)	0.20 (0.06)	58 (16)
30	16.60 (6.08)	8.53 (3.12)	0.51 (0.19)	144 (53)	7.21 (3.28)	3.70 (1.68)	0.22 (0.10)	65 (30)
31	17.50 (6.10)	8.96 (3.13)	0.53 (0.19)	151 (53)	7.66 (2.45)	3.93 (1.25)	0.24 (0.08)	69 (22)
Mean	19.0	9.8	0.6	171.0	6.6	3.4	0.2	60.9
n	31	31	31	31	31	31	31	31
SD	5.9	3.0	0.2	58.1	1.1	0.6	0.0	9.6
Min	11.6	6.0	0.4	101.0	4.7	2.4	0.1	44.2
Max	31.3	16.0	1.0	305.0	8.7	4.5	0.3	79.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for August, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	16.20 (5.24)	8.33 (2.68)	0.50 (0.16)	141 (45)	7.14 (1.94)	3.66 (1.00)	0.22 (0.06)	65 (18)
2	14.70 (5.24)	7.53 (2.69)	0.45 (0.16)	127 (45)	5.81 (2.37)	2.98 (1.22)	0.18 (0.07)	53 (22)
3	13.50 (4.56)	6.90 (2.34)	0.41 (0.14)	117 (40)	5.50 (2.26)	2.82 (1.16)	0.17 (0.07)	50 (21)
4	14.10 (4.79)	7.25 (2.46)	0.43 (0.15)	123 (42)	6.23 (2.14)	3.20 (1.10)	0.19 (0.07)	57 (19)
5	12.80 (4.40)	6.54 (2.26)	0.39 (0.13)	111 (38)	6.04 (2.04)	3.09 (1.04)	0.19 (0.06)	55 (19)
6	11.10 (4.31)	5.70 (2.21)	0.34 (0.13)	96 (37)	5.69 (2.28)	2.92 (1.17)	0.18 (0.07)	52 (21)
7	12.50 (5.38)	6.43 (2.76)	0.38 (0.16)	109 (47)	6.14 (2.62)	3.15 (1.34)	0.19 (0.08)	56 (24)
8	13.70 (5.65)	7.02 (2.90)	0.42 (0.17)	119 (49)	7.45 (2.57)	3.82 (1.32)	0.23 (0.08)	68 (24)
9	12.50 (4.28)	6.39 (2.19)	0.38 (0.13)	108 (37)	6.55 (1.78)	3.36 (0.91)	0.20 (0.05)	60 (16)
10	13.50 (3.60)	6.93 (1.85)	0.41 (0.11)	118 (31)	5.73 (2.01)	2.94 (1.03)	0.18 (0.06)	52 (18)
11	14.80 (3.39)	7.59 (1.74)	0.45 (0.10)	129 (30)	7.40 (2.16)	3.79 (1.11)	0.23 (0.07)	68 (20)
12	13.50 (4.19)	6.92 (2.15)	0.41 (0.13)	118 (37)	6.33 (1.86)	3.25 (0.96)	0.20 (0.06)	58 (17)
13	13.90 (4.17)	7.13 (2.14)	0.43 (0.13)	121 (36)	6.34 (1.99)	3.25 (1.02)	0.20 (0.06)	58 (18)
14	9.14 (4.64)	4.69 (2.38)	0.28 (0.14)	80 (41)	4.96 (1.45)	2.54 (0.75)	0.15 (0.04)	46 (13)
15	8.98 (5.04)	4.61 (2.59)	0.28 (0.15)	78 (44)	4.12 (1.76)	2.11 (0.90)	0.13 (0.05)	38 (16)
16	10.40 (5.21)	5.34 (2.67)	0.32 (0.16)	91 (45)	4.60 (1.96)	2.36 (1.01)	0.14 (0.06)	42 (18)
17	9.87 (4.56)	5.06 (2.34)	0.30 (0.14)	86 (40)	4.58 (1.39)	2.35 (0.71)	0.14 (0.04)	42 (13)
18	11.00 (5.73)	5.62 (2.94)	0.34 (0.18)	95 (50)	4.92 (1.82)	2.52 (0.93)	0.15 (0.06)	45 (17)
19	12.40 (6.30)	6.34 (3.23)	0.38 (0.19)	107 (55)	5.47 (2.00)	2.81 (1.03)	0.17 (0.06)	50 (18)
20	8.94 (4.16)	4.58 (2.13)	0.27 (0.13)	77 (36)	5.63 (1.87)	2.89 (0.96)	0.17 (0.06)	51 (17)
21	6.77 (2.06)	3.47 (1.06)	0.21 (0.06)	59 (18)	7.07 (2.75)	3.63 (1.41)	0.22 (0.08)	64 (25)
22								
23	4.12 (2.26)	2.11 (1.16)	0.13 (0.07)	36 (20)	3.75 (2.99)	1.92 (1.54)	0.12 (0.09)	34 (27)
24	6.53 (2.56)	3.35 (1.31)	0.20 (0.08)	57 (22)	3.91 (1.66)	2.01 (0.85)	0.12 (0.05)	36 (15)
25	8.40 (3.93)	4.31 (2.01)	0.26 (0.12)	73 (34)	3.70 (2.01)	1.90 (1.03)	0.11 (0.06)	34 (18)
26	9.98 (5.48)	5.12 (2.81)	0.31 (0.17)	87 (48)	2.89 (1.68)	1.48 (0.86)	0.09 (0.05)	26 (15)
27	15.20 (7.37)	7.79 (3.78)	0.47 (0.23)	133 (65)	4.83 (1.87)	2.48 (0.96)	0.15 (0.06)	44 (17)
28	16.60 (7.46)	8.53 (3.82)	0.51 (0.23)	146 (66)	5.20 (1.46)	2.67 (0.75)	0.16 (0.05)	48 (13)
29	20.00 (6.25)	10.30 (3.20)	0.61 (0.19)	176 (55)	5.97 (2.73)	3.06 (1.40)	0.19 (0.08)	55 (25)
30	20.20 (4.19)	10.40 (2.15)	0.62 (0.13)	178 (37)	8.50 (3.01)	4.36 (1.55)	0.26 (0.09)	78 (28)
31								
Mean	12.3	6.3	0.4	107.0	5.6	2.9	0.2	51.1
n	29	29	29	29	29	29	29	29
SD	3.7	1.9	0.1	32.1	1.3	0.6	0.0	11.4
Min	4.1	2.1	0.1	35.7	2.9	1.5	0.1	26.4
Max	20.2	10.4	0.6	178.0	8.5	4.4	0.3	77.7

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for September, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5	13.30 (7.21)	6.83 (3.70)	0.41 (0.22)	118 (64)	9.92 (5.35)	5.09 (2.74)	0.31 (0.17)	91 (49)
6	11.90 (6.17)	6.12 (3.17)	0.37 (0.19)	106 (55)	8.66 (4.13)	4.44 (2.12)	0.27 (0.13)	79 (38)
7	14.40 (8.27)	7.39 (4.24)	0.44 (0.25)	129 (74)	11.20 (6.14)	5.74 (3.15)	0.35 (0.19)	103 (57)
8	13.30 (6.35)	6.80 (3.26)	0.41 (0.20)	119 (57)	10.30 (6.03)	5.30 (3.09)	0.32 (0.19)	96 (56)
9	20.00 (11.40)	10.20 (5.82)	0.61 (0.35)	179 (102)	12.00 (7.22)	6.17 (3.70)	0.37 (0.22)	112 (67)
10	22.20 (8.00)	11.40 (4.10)	0.68 (0.25)	199 (72)	16.60 (6.59)	8.51 (3.38)	0.52 (0.20)	154 (61)
11								
12	19.70 (5.08)	10.10 (2.61)	0.61 (0.16)	177 (46)	14.20 (2.87)	7.27 (1.47)	0.44 (0.09)	133 (27)
13	14.40 (7.28)	7.37 (3.73)	0.44 (0.22)	130 (66)	10.40 (5.60)	5.32 (2.87)	0.32 (0.17)	97 (52)
14	14.60 (7.87)	7.48 (4.04)	0.45 (0.24)	132 (71)	11.30 (5.85)	5.80 (3.00)	0.35 (0.18)	106 (55)
15	22.90 (11.30)	11.80 (5.81)	0.71 (0.35)	208 (103)	17.70 (8.75)	9.10 (4.48)	0.55 (0.27)	166 (82)
16	25.10 (13.20)	12.90 (6.75)	0.77 (0.41)	228 (120)	19.90 (8.53)	10.20 (4.37)	0.62 (0.27)	186 (80)
17	30.90 (13.10)	15.90 (6.70)	0.95 (0.40)	282 (119)	23.90 (7.85)	12.30 (4.03)	0.74 (0.24)	224 (74)
18	31.80 (9.52)	16.30 (4.88)	0.98 (0.29)	291 (87)	23.20 (6.03)	11.90 (3.09)	0.72 (0.19)	217 (57)
19	30.80 (6.53)	15.80 (3.35)	0.95 (0.20)	282 (60)	19.60 (4.61)	10.00 (2.36)	0.61 (0.14)	183 (43)
20	24.30 (10.90)	12.50 (5.61)	0.75 (0.34)	223 (100)	19.80 (8.12)	10.20 (4.16)	0.62 (0.25)	185 (76)
21	25.80 (5.88)	13.20 (3.01)	0.79 (0.18)	236 (54)	17.90 (3.61)	9.18 (1.85)	0.56 (0.11)	167 (34)
22	25.70 (7.58)	13.20 (3.89)	0.79 (0.23)	235 (69)	19.20 (7.32)	9.83 (3.75)	0.60 (0.23)	178 (68)
23	21.20 (4.25)	10.90 (2.18)	0.65 (0.13)	193 (39)	16.30 (2.56)	8.34 (1.31)	0.51 (0.08)	151 (24)
24	17.90 (5.75)	9.18 (2.95)	0.55 (0.18)	163 (53)	14.00 (4.95)	7.20 (2.54)	0.44 (0.15)	130 (46)
25	13.80 (5.21)	7.10 (2.67)	0.43 (0.16)	126 (48)	10.80 (3.55)	5.55 (1.82)	0.34 (0.11)	100 (33)
26	15.10 (6.53)	7.75 (3.35)	0.47 (0.20)	138 (60)	11.90 (6.51)	6.10 (3.34)	0.37 (0.20)	110 (60)
27	14.90 (2.80)	7.62 (1.44)	0.46 (0.09)	135 (26)	10.10 (3.33)	5.20 (1.71)	0.32 (0.10)	94 (31)
28	12.10 (4.26)	6.23 (2.19)	0.37 (0.13)	111 (39)	8.39 (3.81)	4.30 (1.95)	0.26 (0.12)	78 (35)
29	3.81 (2.18)	1.95 (1.12)	0.12 (0.07)	35 (20)	3.88 (1.78)	1.99 (0.91)	0.12 (0.06)	36 (16)
30	4.04 (2.75)	2.07 (1.41)	0.13 (0.09)	37 (25)	3.90 (2.95)	2.00 (1.51)	0.12 (0.09)	36 (27)
Mean	18.6	9.5	0.6	169.0	13.8	7.1	0.4	128.0
n	25	25	25	25	25	25	25	25
SD	7.4	3.8	0.2	67.9	5.3	2.7	0.2	49.9
Min	3.8	2.0	0.1	34.8	3.9	2.0	0.1	35.9
Max	31.8	16.3	1.0	291.0	23.9	12.3	0.7	224.0

Table E10. Daily means (SD) of NH₃ emissions at Site CA2B for October, 2009.

Day	House 5				House 6			
	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹	kg d ⁻¹	g d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	g d ⁻¹ AU ⁻¹
1	4.40 (3.07)	2.26 (1.58)	0.14 (0.09)	40 (28)	5.59 (4.55)	2.87 (2.33)	0.17 (0.14)	52 (42)
2	4.78 (3.28)	2.45 (1.68)	0.15 (0.10)	44 (30)	6.22 (4.01)	3.19 (2.06)	0.19 (0.13)	58 (37)
3	5.60 (4.61)	2.87 (2.36)	0.17 (0.14)	51 (42)	5.47 (3.66)	2.80 (1.88)	0.17 (0.11)	51 (34)
4	5.35 (1.83)	2.75 (0.94)	0.17 (0.06)	49 (17)	3.72 (1.86)	1.91 (0.95)	0.12 (0.06)	35 (17)
5	6.84 (2.69)	3.51 (1.38)	0.21 (0.08)	62 (25)	7.75 (4.78)	3.97 (2.45)	0.24 (0.15)	72 (44)
6	11.20 (7.64)	5.75 (3.92)	0.35 (0.24)	102 (70)	8.08 (5.89)	4.14 (3.02)	0.25 (0.18)	75 (54)
7	12.20 (7.70)	6.26 (3.95)	0.38 (0.24)	111 (70)	11.60 (7.38)	5.95 (3.79)	0.36 (0.23)	107 (68)
8	12.90 (8.58)	6.62 (4.40)	0.40 (0.27)	117 (78)	12.40 (8.99)	6.33 (4.61)	0.39 (0.28)	114 (83)
9	16.20 (9.04)	8.31 (4.63)	0.50 (0.28)	147 (82)	15.40 (9.16)	7.88 (4.70)	0.48 (0.29)	141 (84)
10	17.30 (8.92)	8.86 (4.58)	0.54 (0.28)	156 (81)	14.90 (9.62)	7.65 (4.93)	0.47 (0.30)	137 (88)
11	16.40 (9.97)	8.43 (5.11)	0.51 (0.31)	149 (90)	12.50 (9.18)	6.41 (4.71)	0.39 (0.29)	115 (85)
12	13.70 (5.49)	7.05 (2.81)	0.43 (0.17)	125 (50)	12.10 (2.53)	6.21 (1.30)	0.38 (0.08)	112 (23)
13					14.20 (4.25)	7.30 (2.18)	0.45 (0.14)	132 (40)
14					19.50 (8.40)	9.99 (4.31)	0.62 (0.27)	182 (79)
15	32.60 (10.50)	16.70 (5.41)	1.01 (0.33)	296 (96)	16.70 (8.89)	8.57 (4.56)	0.53 (0.28)	157 (83)
16	33.50 (13.40)	17.20 (6.86)	1.04 (0.42)	304 (121)	17.00 (10.90)	8.73 (5.57)	0.54 (0.35)	160 (102)
17	35.00 (13.80)	17.90 (7.08)	1.09 (0.43)	318 (126)	18.50 (8.61)	9.51 (4.42)	0.59 (0.28)	176 (82)
18	34.40 (14.30)	17.60 (7.35)	1.07 (0.45)	313 (131)	18.60 (9.95)	9.52 (5.10)	0.60 (0.32)	177 (95)
19	22.60 (4.64)	11.60 (2.38)	0.70 (0.14)	206 (42)	17.20 (4.35)	8.83 (2.23)	0.56 (0.14)	165 (42)
20	22.90 (6.86)	11.80 (3.52)	0.71 (0.21)	210 (63)	17.70 (5.74)	9.05 (2.94)	0.57 (0.19)	170 (55)
21	27.90 (13.10)	14.30 (6.73)	0.87 (0.41)	257 (121)	21.50 (10.10)	11.00 (5.16)	0.70 (0.33)	209 (98)
22	33.10 (15.80)	17.00 (8.09)	1.03 (0.49)	305 (145)	24.80 (12.40)	12.70 (6.35)	0.81 (0.40)	243 (121)
23	31.70 (15.00)	16.30 (7.68)	0.99 (0.47)	293 (138)	25.00 (13.80)	12.80 (7.10)	0.82 (0.45)	247 (137)
24	34.10 (16.60)	17.50 (8.53)	1.06 (0.52)	316 (154)	25.90 (14.90)	13.30 (7.65)	0.85 (0.49)	258 (149)
25	26.90 (12.60)	13.80 (6.46)	0.84 (0.39)	249 (117)	19.80 (11.50)	10.20 (5.89)	0.66 (0.38)	201 (116)
26	25.70 (11.20)	13.20 (5.73)	0.80 (0.35)	238 (103)	20.40 (12.10)	10.50 (6.19)	0.68 (0.40)	210 (124)
27	18.30 (4.22)	9.36 (2.16)	0.57 (0.13)	169 (39)	11.50 (4.49)	5.92 (2.30)	0.39 (0.15)	121 (47)
28	16.70 (6.15)	8.54 (3.15)	0.52 (0.19)	154 (57)	9.36 (4.19)	4.80 (2.15)	0.32 (0.14)	99 (45)
29	14.90 (3.77)	7.62 (1.93)	0.46 (0.12)	137 (35)	10.20 (3.74)	5.21 (1.92)	0.34 (0.13)	110 (41)
30								
31								
Mean	19.9	10.2	0.6	182.0	14.6	7.5	0.5	141.0
n	27	27	27	27	29	29	29	29
SD	10.2	5.2	0.3	93.7	6.0	3.1	0.2	60.1
Min	4.4	2.3	0.1	40.2	3.7	1.9	0.1	34.5
Max	35.0	17.9	1.1	318.0	25.9	13.3	0.9	258.0

Table E11. H2S emissions

Table E11. Daily means (SD) of H2S emissions at Site CA2B for October, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1								
2								
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25	65.40 (33.40)	33.50 (17.10)	1.84 (0.94)	525 (268)	24.90 (13.70)	12.80 (7.00)	0.72 (0.39)	218 (119)
26	74.00 (36.80)	38.00 (18.90)	2.08 (1.03)	594 (295)	23.60 (11.80)	12.10 (6.08)	0.68 (0.34)	206 (104)
27	71.50 (31.30)	36.70 (16.00)	2.01 (0.88)	574 (251)	28.80 (16.40)	14.80 (8.42)	0.83 (0.47)	252 (144)
28	71.30 (25.10)	36.60 (12.90)	2.00 (0.70)	572 (201)	32.70 (15.10)	16.70 (7.75)	0.94 (0.44)	285 (132)
29	66.60 (24.40)	34.20 (12.50)	1.87 (0.69)	534 (196)	36.40 (16.70)	18.70 (8.56)	1.05 (0.48)	318 (146)
30	77.80 (44.80)	39.90 (23.00)	2.19 (1.26)	623 (359)	35.50 (12.60)	18.20 (6.45)	1.02 (0.36)	310 (110)
31	65.30 (21.80)	33.50 (11.20)	1.84 (0.61)	523 (174)	40.80 (17.40)	20.90 (8.93)	1.18 (0.50)	356 (152)
Mean	70.3	36.0	2.0	563.0	31.8	16.3	0.9	278.0
n	7	7	7	7	7	7	7	7
SD	4.4	2.3	0.1	35.2	5.9	3.0	0.2	51.0
Min	65.3	33.5	1.8	523.0	23.6	12.1	0.7	206.0
Max	77.8	39.9	2.2	623.0	40.8	20.9	1.2	356.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for November, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	53.70 (23.10)	27.50 (11.80)	1.51 (0.65)	429 (185)	41.00 (19.80)	21.00 (10.20)	1.18 (0.57)	357 (173)
2	47.20 (15.90)	24.20 (8.13)	1.33 (0.45)	378 (127)	42.50 (16.80)	21.80 (8.60)	1.23 (0.49)	370 (146)
3	38.20 (19.60)	19.60 (10.10)	1.08 (0.55)	305 (157)	45.80 (24.20)	23.50 (12.40)	1.32 (0.70)	399 (211)
4	38.80 (14.20)	19.90 (7.30)	1.09 (0.40)	309 (113)	51.70 (23.60)	26.50 (12.10)	1.49 (0.68)	450 (206)
5	44.50 (19.80)	22.80 (10.20)	1.25 (0.56)	355 (158)	57.20 (29.00)	29.30 (14.80)	1.65 (0.84)	498 (252)
6	34.30 (24.10)	17.60 (12.40)	0.97 (0.68)	273 (192)	45.70 (28.40)	23.40 (14.50)	1.32 (0.82)	398 (247)
7	52.20 (17.80)	26.80 (9.14)	1.47 (0.50)	415 (142)	74.90 (34.60)	38.40 (17.70)	2.16 (1.00)	652 (301)
8	48.90 (15.90)	25.10 (8.16)	1.38 (0.45)	388 (126)	72.70 (31.70)	37.30 (16.30)	2.10 (0.92)	633 (276)
9	37.10 (22.10)	19.00 (11.30)	1.04 (0.62)	294 (175)	58.10 (36.00)	29.80 (18.50)	1.68 (1.04)	506 (314)
10	43.50 (20.10)	22.30 (10.30)	1.23 (0.57)	344 (159)	80.70 (33.00)	41.40 (16.90)	2.33 (0.95)	702 (287)
11	50.70 (21.10)	26.00 (10.80)	1.43 (0.60)	400 (166)	58.80 (20.10)	30.20 (10.30)	1.70 (0.58)	510 (174)
12	54.30 (23.00)	27.80 (11.80)	1.53 (0.65)	428 (181)	95.00 (46.70)	48.70 (23.90)	2.75 (1.35)	821 (404)
13	63.70 (19.70)	32.70 (10.10)	1.80 (0.56)	501 (155)	90.80 (33.40)	46.60 (17.10)	2.63 (0.97)	783 (288)
14								
15	66.30 (25.40)	34.00 (13.00)	1.87 (0.72)	519 (199)	86.80 (41.90)	44.50 (21.50)	2.52 (1.22)	744 (359)
16	61.80 (21.10)	31.70 (10.80)	1.75 (0.60)	483 (165)	70.20 (29.20)	36.00 (15.00)	2.04 (0.85)	600 (249)
17	60.20 (21.80)	30.90 (11.20)	1.70 (0.62)	470 (170)	94.40 (40.40)	48.40 (20.70)	2.74 (1.17)	805 (345)
18	54.60 (21.10)	28.00 (10.80)	1.54 (0.60)	427 (165)	72.40 (36.10)	37.10 (18.50)	2.10 (1.05)	618 (308)
19	62.90 (22.00)	32.30 (11.30)	1.78 (0.62)	491 (171)	73.20 (30.30)	37.60 (15.50)	2.12 (0.88)	626 (259)
20	43.60 (21.50)	22.40 (11.00)	1.23 (0.61)	341 (168)	80.80 (25.80)	41.40 (13.20)	2.34 (0.75)	692 (221)
21	40.60 (16.80)	20.80 (8.64)	1.15 (0.48)	317 (132)	50.90 (25.30)	26.10 (13.00)	1.48 (0.74)	436 (217)
22	35.10 (16.90)	18.00 (8.67)	0.99 (0.48)	275 (132)	70.90 (27.40)	36.40 (14.00)	2.06 (0.79)	608 (235)
23	32.20 (14.00)	16.50 (7.16)	0.91 (0.40)	252 (109)	73.10 (25.20)	37.50 (12.90)	2.12 (0.73)	627 (216)
24	29.70 (15.00)	15.20 (7.71)	0.84 (0.43)	232 (118)	74.20 (26.10)	38.00 (13.40)	2.15 (0.76)	637 (224)
25	36.50 (15.60)	18.70 (7.98)	1.03 (0.44)	286 (122)	88.80 (30.50)	45.50 (15.60)	2.58 (0.89)	760 (261)
26	45.00 (13.80)	23.10 (7.09)	1.27 (0.39)	353 (109)	88.70 (25.90)	45.50 (13.30)	2.58 (0.75)	758 (221)
27	39.00 (13.00)	20.00 (6.65)	1.11 (0.37)	307 (102)	82.10 (22.50)	42.10 (11.60)	2.38 (0.66)	699 (192)
28	39.80 (12.10)	20.40 (6.21)	1.13 (0.34)	314 (96)	88.10 (24.70)	45.20 (12.70)	2.56 (0.72)	748 (210)
29	38.30 (18.70)	19.70 (9.59)	1.09 (0.53)	303 (148)	74.90 (24.80)	38.40 (12.70)	2.18 (0.72)	635 (211)
30	42.40 (11.80)	21.80 (6.03)	1.20 (0.33)	336 (93)	91.00 (22.80)	46.70 (11.70)	2.64 (0.66)	770 (193)
Mean	46.0	23.6	1.3	363.0	71.6	36.7	2.1	615.0
n	29	29	29	29	29	29	29	29
SD	10.1	5.2	0.3	78.5	16.3	8.4	0.5	137.0
Min	29.7	15.2	0.8	232.0	41.0	21.0	1.2	357.0
Max	66.3	34.0	1.9	519.0	95.0	48.7	2.8	821.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for December, 2007.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	38.50 (10.00)	19.70 (5.14)	1.09 (0.28)	305 (80)	80.70 (16.60)	41.40 (8.49)	2.34 (0.48)	683 (140)
2	33.30 (8.80)	17.10 (4.52)	0.94 (0.25)	264 (70)	84.20 (19.10)	43.20 (9.80)	2.45 (0.56)	717 (163)
3	38.20 (13.80)	19.60 (7.10)	1.08 (0.39)	304 (110)	73.60 (22.50)	37.70 (11.60)	2.14 (0.66)	629 (193)
4	45.10 (12.90)	23.10 (6.61)	1.28 (0.37)	359 (103)	80.90 (25.10)	41.50 (12.90)	2.35 (0.73)	697 (217)
5	62.70 (24.30)	32.20 (12.50)	1.78 (0.69)	501 (194)	107.00 (29.10)	54.90 (14.90)	3.11 (0.85)	926 (251)
6	53.00 (17.10)	27.20 (8.76)	1.50 (0.49)	424 (137)	101.00 (20.00)	51.90 (10.20)	2.94 (0.58)	880 (174)
7	58.30 (11.20)	29.90 (5.72)	1.66 (0.32)	468 (89)	105.00 (23.20)	53.80 (11.90)	3.05 (0.68)	916 (203)
8	55.80 (16.80)	28.60 (8.60)	1.58 (0.48)	447 (135)	108.00 (27.00)	55.30 (13.80)	3.14 (0.79)	945 (236)
9	44.60 (13.40)	22.90 (6.88)	1.27 (0.38)	358 (107)	87.50 (17.90)	44.90 (9.18)	2.55 (0.52)	767 (157)
10	50.70 (15.80)	26.00 (8.09)	1.44 (0.45)	405 (126)	90.00 (22.20)	46.20 (11.40)	2.62 (0.65)	789 (195)
11	46.40 (11.40)	23.80 (5.82)	1.32 (0.32)	371 (91)	85.70 (16.10)	43.90 (8.26)	2.49 (0.47)	751 (141)
12	42.90 (14.50)	22.00 (7.46)	1.22 (0.41)	342 (116)	78.60 (15.70)	40.30 (8.06)	2.29 (0.46)	690 (138)
13	37.30 (9.59)	19.10 (4.92)	1.06 (0.27)	297 (76)	82.00 (12.40)	42.00 (6.37)	2.39 (0.36)	719 (109)
14								
15								
16								
17								
18								
19	75.50 (17.60)	38.70 (9.04)	2.15 (0.50)	601 (140)	104.00 (21.50)	53.30 (11.00)	3.03 (0.63)	913 (189)
20	69.30 (24.30)	35.50 (12.50)	1.98 (0.69)	552 (193)	92.80 (25.10)	47.60 (12.90)	2.71 (0.73)	816 (220)
21	49.60 (11.60)	25.40 (5.96)	1.41 (0.33)	395 (93)	84.50 (23.90)	43.40 (12.20)	2.47 (0.70)	743 (210)
22	54.30 (17.30)	27.80 (8.86)	1.55 (0.49)	432 (138)	94.20 (19.30)	48.30 (9.92)	2.75 (0.57)	828 (170)
23	51.10 (15.20)	26.20 (7.81)	1.46 (0.44)	406 (121)	97.20 (19.00)	49.80 (9.73)	2.84 (0.55)	853 (166)
24	65.00 (22.50)	33.30 (11.50)	1.86 (0.64)	517 (179)	111.00 (24.30)	56.90 (12.40)	3.24 (0.71)	973 (213)
25	55.10 (13.60)	28.30 (6.98)	1.58 (0.39)	438 (108)	88.30 (18.80)	45.30 (9.62)	2.58 (0.55)	773 (164)
26	53.90 (13.90)	27.70 (7.11)	1.54 (0.40)	428 (110)	101.00 (18.80)	51.90 (9.64)	2.96 (0.55)	884 (164)
27	47.20 (15.30)	24.20 (7.84)	1.35 (0.44)	374 (121)	90.40 (16.20)	46.30 (8.28)	2.64 (0.47)	788 (141)
28	51.30 (12.80)	26.30 (6.58)	1.47 (0.37)	406 (102)	95.30 (20.20)	48.90 (10.40)	2.78 (0.59)	829 (176)
29	65.80 (20.00)	33.80 (10.30)	1.89 (0.57)	521 (159)	100.00 (22.70)	51.50 (11.70)	2.94 (0.67)	873 (198)
30	71.70 (27.80)	36.80 (14.30)	2.05 (0.80)	569 (221)	70.90 (9.67)	36.40 (4.96)	2.07 (0.28)	615 (84)
31	71.20 (17.40)	36.50 (8.94)	2.04 (0.50)	566 (139)	74.80 (22.50)	38.30 (11.50)	2.19 (0.66)	646 (194)
Mean	53.4	27.4	1.5	425.0	91.1	46.7	2.7	794.0
n	26	26	26	26	26	26	26	26
SD	11.3	5.8	0.3	89.5	11.1	5.7	0.3	100.0
Min	33.3	17.1	0.9	264.0	70.9	36.4	2.1	615.0
Max	75.5	38.7	2.2	601.0	111.0	56.9	3.2	973.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for January, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	73.00 (20.00)	37.40 (10.30)	2.09 (0.57)	581 (160)	122.00 (29.80)	62.50 (15.30)	3.57 (0.87)	1050 (257)
2	62.10 (19.50)	31.80 (10.00)	1.78 (0.56)	495 (156)	121.00 (23.60)	61.80 (12.10)	3.53 (0.69)	1040 (203)
3	36.90 (12.10)	18.90 (6.21)	1.06 (0.35)	295 (97)	106.00 (19.70)	54.30 (10.10)	3.10 (0.58)	910 (170)
4	31.70 (10.20)	16.30 (5.25)	0.91 (0.29)	255 (82)	122.00 (34.20)	62.80 (17.50)	3.58 (1.00)	1050 (293)
5	64.40 (18.10)	33.00 (9.26)	1.85 (0.52)	523 (148)	136.00 (28.70)	69.70 (14.70)	3.98 (0.84)	1160 (246)
6	59.90 (11.90)	30.70 (6.13)	1.72 (0.34)	498 (98)	114.00 (26.30)	58.20 (13.50)	3.33 (0.77)	975 (225)
7	40.10 (12.30)	20.60 (6.32)	1.16 (0.36)	342 (104)	107.00 (23.70)	54.70 (12.20)	3.12 (0.69)	917 (204)
8	25.40 (6.63)	13.00 (3.40)	0.73 (0.19)	222 (58)	107.00 (23.00)	54.70 (11.80)	3.13 (0.67)	919 (198)
9	20.70 (10.90)	10.60 (5.61)	0.60 (0.32)	186 (98)	122.00 (45.00)	62.40 (23.10)	3.57 (1.32)	1050 (388)
10	12.00 (4.76)	6.13 (2.44)	0.35 (0.14)	110 (43)	127.00 (22.30)	65.00 (11.40)	3.72 (0.65)	1100 (193)
11	10.30 (3.08)	5.29 (1.58)	0.30 (0.09)	98 (29)	133.00 (36.80)	68.10 (18.90)	3.89 (1.08)	1150 (319)
12	9.36 (5.35)	4.80 (2.74)	0.27 (0.16)	91 (52)	129.00 (19.70)	66.30 (10.10)	3.79 (0.58)	1120 (171)
13	10.70 (8.82)	5.47 (4.53)	0.31 (0.26)	105 (87)	129.00 (35.70)	66.40 (18.30)	3.80 (1.05)	1120 (310)
14	6.85 (3.41)	3.51 (1.75)	0.20 (0.10)	69 (34)	121.00 (30.80)	62.00 (15.80)	3.55 (0.90)	1050 (268)
15	7.53 (4.36)	3.86 (2.24)	0.22 (0.13)	77 (45)				
16	6.58 (4.30)	3.37 (2.21)	0.19 (0.12)	68 (45)	122.00 (27.40)	62.40 (14.00)	3.57 (0.80)	1060 (239)
17	6.54 (4.26)	3.35 (2.18)	0.19 (0.12)	69 (45)	130.00 (35.30)	66.40 (18.10)	3.80 (1.04)	1130 (308)
18	6.73 (4.08)	3.45 (2.09)	0.20 (0.12)	72 (44)	123.00 (31.10)	63.30 (15.90)	3.62 (0.91)	1080 (272)
19	5.52 (4.32)	2.83 (2.22)	0.16 (0.13)	60 (47)	128.00 (30.10)	65.70 (15.40)	3.76 (0.88)	1120 (263)
20	4.46 (2.45)	2.28 (1.26)	0.13 (0.07)	49 (27)	124.00 (34.30)	63.80 (17.60)	3.65 (1.01)	1090 (300)
21	5.02 (2.87)	2.57 (1.47)	0.15 (0.08)	55 (32)	131.00 (35.00)	66.90 (18.00)	3.83 (1.03)	1140 (306)
22	1.91 (2.62)	0.98 (1.34)	0.06 (0.08)	21 (29)	136.00 (39.90)	69.80 (20.50)	4.00 (1.17)	1190 (349)
23	-17.30 (26.80)	-8.87 (13.80)	-0.50 (0.78)	-195 (302)	114.00 (51.40)	58.40 (26.40)	3.35 (1.51)	997 (450)
24								
25	-2.19 (4.54)	-1.12 (2.33)	-0.06 (0.13)	-25 (52)				
26	-0.98 (4.35)	-0.50 (2.23)	-0.03 (0.13)	-11 (50)				
27	1.72 (2.95)	0.88 (1.52)	0.05 (0.09)	20 (34)				
28	0.14 (1.68)	0.07 (0.86)	0.00 (0.05)	2 (19)				
29	-6.78 (3.11)	-3.48 (1.60)	-0.20 (0.09)	-75 (34)	84.30 (42.70)	43.20 (21.90)	2.48 (1.26)	739 (374)
30	-13.80 (12.20)	-7.09 (6.24)	-0.40 (0.35)	-152 (134)	49.30 (54.90)	25.30 (28.20)	1.45 (1.62)	432 (481)
31	2.52 (5.13)	1.29 (2.63)	0.07 (0.15)	27 (56)	145.00 (44.10)	74.10 (22.60)	4.26 (1.30)	1270 (387)
Mean	15.7	8.1	0.5	131.0	119.0	61.1	3.5	1030.0
n	30	30	30	30	25	25	25	25
SD	23.0	11.8	0.7	190.0	18.7	9.6	0.6	163.0
Min	-17.3	-8.9	-0.5	-195.0	49.3	25.3	1.5	432.0
Max	73.0	37.4	2.1	581.0	145.0	74.1	4.3	1270.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for February, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	-0.20 (2.49)	-0.10 (1.28)	-0.01 (0.07)	-2 (27)	132.00 (34.30)	67.90 (17.60)	3.90 (1.01)	1160 (301)
2	-5.26 (8.57)	-2.69 (4.40)	-0.15 (0.25)	-56 (92)	115.00 (33.90)	58.90 (17.40)	3.39 (1.00)	1010 (298)
3	7.99 (3.09)	4.10 (1.58)	0.23 (0.09)	85 (33)	114.00 (37.30)	58.70 (19.10)	3.38 (1.10)	1010 (329)
4	8.39 (8.05)	4.30 (4.13)	0.24 (0.23)	89 (85)	107.00 (22.60)	54.80 (11.60)	3.15 (0.67)	944 (200)
5	16.00 (5.19)	8.18 (2.66)	0.46 (0.15)	168 (55)	96.90 (23.00)	49.70 (11.80)	2.86 (0.68)	859 (204)
6	18.40 (7.21)	9.41 (3.70)	0.53 (0.21)	193 (76)	96.10 (27.50)	49.30 (14.10)	2.84 (0.81)	854 (244)
7	16.90 (4.46)	8.67 (2.29)	0.49 (0.13)	177 (47)	79.90 (21.20)	41.00 (10.90)	2.36 (0.63)	712 (189)
8	15.10 (6.43)	7.76 (3.30)	0.44 (0.19)	158 (67)	41.90 (11.60)	21.50 (5.97)	1.24 (0.34)	374 (104)
9	22.80 (12.90)	11.70 (6.62)	0.66 (0.38)	236 (134)	60.20 (31.00)	30.80 (15.90)	1.78 (0.92)	539 (279)
10	56.60 (26.20)	29.00 (13.50)	1.65 (0.76)	582 (269)	108.00 (40.40)	55.40 (20.70)	3.19 (1.19)	972 (363)
11	63.20 (23.10)	32.40 (11.80)	1.84 (0.67)	646 (235)	110.00 (42.50)	56.50 (21.80)	3.26 (1.25)	995 (384)
12	69.10 (34.20)	35.40 (17.50)	2.01 (1.00)	700 (346)	92.40 (28.60)	47.40 (14.70)	2.73 (0.85)	838 (259)
13	69.90 (21.50)	35.90 (11.00)	2.04 (0.63)	705 (217)	81.30 (31.40)	41.70 (16.10)	2.40 (0.93)	740 (286)
14								
15	51.50 (14.10)	26.40 (7.23)	1.50 (0.41)	512 (140)	76.40 (15.90)	39.20 (8.14)	2.26 (0.47)	701 (146)
16	66.30 (22.50)	34.00 (11.50)	1.93 (0.66)	653 (221)	88.90 (15.30)	45.60 (7.85)	2.63 (0.45)	815 (140)
17	68.40 (25.30)	35.10 (13.00)	1.99 (0.74)	666 (246)	91.40 (26.10)	46.90 (13.40)	2.71 (0.77)	833 (238)
18	64.90 (32.10)	33.30 (16.50)	1.89 (0.94)	626 (309)	90.60 (25.00)	46.50 (12.80)	2.68 (0.74)	822 (226)
19	75.30 (24.10)	38.60 (12.30)	2.20 (0.70)	718 (229)	92.10 (38.80)	47.20 (19.90)	2.73 (1.15)	832 (351)
20	76.20 (39.10)	39.10 (20.00)	2.22 (1.14)	719 (368)	47.00 (27.30)	24.10 (14.00)	1.39 (0.81)	422 (245)
21	82.30 (29.50)	42.20 (15.10)	2.40 (0.86)	767 (274)	68.20 (26.60)	35.00 (13.70)	2.02 (0.79)	610 (238)
22	89.90 (24.70)	46.10 (12.70)	2.62 (0.72)	829 (227)	69.00 (19.00)	35.40 (9.75)	2.04 (0.56)	614 (169)
23	85.50 (26.10)	43.90 (13.40)	2.50 (0.76)	782 (239)	67.20 (10.90)	34.40 (5.60)	1.99 (0.32)	597 (97)
24	102.00 (37.90)	52.50 (19.40)	2.99 (1.11)	930 (344)	78.60 (15.50)	40.30 (7.92)	2.33 (0.46)	702 (138)
25	115.00 (38.50)	59.00 (19.70)	3.36 (1.12)	1040 (346)	106.00 (43.40)	54.20 (22.30)	3.14 (1.29)	947 (389)
26	116.00 (35.20)	59.50 (18.00)	3.39 (1.03)	1040 (314)	116.00 (31.40)	59.70 (16.10)	3.46 (0.93)	1040 (281)
27	114.00 (31.20)	58.40 (16.00)	3.33 (0.91)	1010 (277)	112.00 (32.70)	57.30 (16.80)	3.32 (0.97)	1010 (294)
28	120.00 (56.30)	61.60 (28.90)	3.51 (1.65)	1060 (495)	98.80 (48.50)	50.70 (24.90)	2.94 (1.44)	892 (439)
29	112.00 (38.70)	57.30 (19.90)	3.27 (1.13)	976 (338)	66.00 (24.40)	33.80 (12.50)	1.96 (0.73)	598 (221)
Mean	60.7	31.1	1.8	571.0	89.4	45.9	2.7	801.0
n	28	28	28	28	28	28	28	28
SD	38.9	19.9	1.1	346.0	21.7	11.1	0.6	191.0
Min	-5.3	-2.7	-0.2	-56.1	41.9	21.5	1.2	374.0
Max	120.0	61.6	3.5	1060.0	132.0	67.9	3.9	1160.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for March, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	105.00 (27.40)	53.80 (14.00)	3.07 (0.80)	914 (239)	59.30 (13.60)	30.40 (6.97)	1.77 (0.41)	539 (124)
2	96.50 (34.70)	49.50 (17.80)	2.82 (1.01)	841 (302)	41.40 (10.40)	21.20 (5.32)	1.23 (0.31)	377 (95)
3	82.80 (40.60)	42.50 (20.80)	2.42 (1.19)	723 (355)	43.90 (17.00)	22.50 (8.70)	1.31 (0.51)	401 (155)
4	86.60 (73.90)	44.40 (37.90)	2.53 (2.16)	756 (645)	86.00 (30.50)	44.10 (15.70)	2.56 (0.91)	787 (279)
5	36.00 (16.30)	18.50 (8.35)	1.05 (0.48)	315 (142)	73.70 (50.30)	37.80 (25.80)	2.20 (1.50)	675 (461)
6	45.40 (14.80)	23.30 (7.60)	1.33 (0.43)	398 (130)	61.40 (59.50)	31.50 (30.50)	1.83 (1.78)	564 (546)
7	53.60 (19.30)	27.50 (9.91)	1.57 (0.57)	469 (169)	33.00 (11.70)	16.90 (6.01)	0.98 (0.35)	304 (108)
8	49.80 (23.00)	25.50 (11.80)	1.46 (0.68)	436 (202)	30.10 (11.90)	15.50 (6.08)	0.90 (0.35)	278 (109)
9	49.40 (21.00)	25.30 (10.80)	1.45 (0.62)	431 (184)	34.70 (17.20)	17.80 (8.80)	1.04 (0.51)	320 (158)
10	41.10 (21.30)	21.10 (10.90)	1.20 (0.63)	358 (186)	34.60 (17.00)	17.80 (8.72)	1.03 (0.51)	319 (156)
11	48.60 (18.70)	24.90 (9.61)	1.42 (0.55)	422 (163)	46.30 (16.70)	23.70 (8.57)	1.38 (0.50)	426 (154)
12	57.50 (22.70)	29.50 (11.60)	1.68 (0.66)	498 (197)	56.30 (16.80)	28.80 (8.61)	1.68 (0.50)	517 (154)
13	58.60 (16.60)	30.00 (8.50)	1.72 (0.49)	507 (143)	72.00 (21.50)	36.90 (11.00)	2.16 (0.64)	662 (198)
14								
15	58.60 (16.20)	30.10 (8.30)	1.72 (0.47)	504 (139)				
16	46.50 (21.60)	23.80 (11.10)	1.36 (0.63)	399 (185)	57.20 (16.70)	29.30 (8.56)	1.71 (0.50)	524 (153)
17	43.50 (14.40)	22.30 (7.39)	1.28 (0.42)	372 (123)	67.10 (22.70)	34.40 (11.70)	2.01 (0.68)	614 (208)
18	59.20 (16.00)	30.40 (8.22)	1.74 (0.47)	505 (136)	79.00 (24.00)	40.50 (12.30)	2.37 (0.72)	722 (219)
19	70.00 (28.30)	35.90 (14.50)	2.05 (0.83)	595 (241)	74.10 (27.40)	38.00 (14.10)	2.22 (0.82)	677 (251)
20	68.30 (18.80)	35.00 (9.64)	2.00 (0.55)	578 (159)	71.30 (26.90)	36.60 (13.80)	2.14 (0.81)	650 (245)
21	59.90 (14.50)	30.70 (7.44)	1.76 (0.43)	505 (123)	46.70 (12.00)	24.00 (6.14)	1.40 (0.36)	425 (109)
22	57.70 (28.20)	29.60 (14.40)	1.69 (0.83)	486 (237)	59.00 (23.80)	30.20 (12.20)	1.77 (0.71)	541 (218)
23	51.20 (23.60)	26.30 (12.10)	1.50 (0.69)	431 (199)	48.30 (22.60)	24.80 (11.60)	1.45 (0.68)	451 (211)
24	67.50 (32.00)	34.60 (16.40)	1.98 (0.94)	568 (269)	37.70 (17.00)	19.30 (8.74)	1.13 (0.51)	358 (162)
25	69.20 (34.50)	35.50 (17.70)	2.03 (1.01)	582 (290)	33.70 (15.30)	17.30 (7.83)	1.01 (0.46)	327 (148)
26	59.20 (27.50)	30.30 (14.10)	1.74 (0.81)	497 (232)	24.90 (12.60)	12.70 (6.47)	0.75 (0.38)	246 (125)
27	58.40 (12.90)	29.90 (6.61)	1.71 (0.38)	490 (108)	18.80 (4.06)	9.64 (2.08)	0.57 (0.12)	189 (41)
28	47.20 (14.20)	24.20 (7.31)	1.39 (0.42)	397 (120)	13.70 (4.96)	7.04 (2.54)	0.41 (0.15)	141 (51)
29	65.50 (16.80)	33.60 (8.61)	1.92 (0.49)	549 (141)	17.00 (4.24)	8.71 (2.18)	0.51 (0.13)	177 (44)
30	45.20 (12.60)	23.20 (6.45)	1.33 (0.37)	378 (105)	6.95 (5.83)	3.57 (2.99)	0.21 (0.18)	73 (61)
31	26.70 (27.80)	13.70 (14.20)	0.79 (0.82)	223 (232)	-23.30 (47.10)	-12.00 (24.10)	-0.70 (1.42)	-246 (496)
Mean	58.8	30.2	1.7	504.0	45.0	23.1	1.4	415.0
n	30	30	30	30	29	29	29	29
SD	16.8	8.6	0.5	147.0	24.3	12.5	0.7	222.0
Min	26.7	13.7	0.8	223.0	-23.3	-12.0	-0.7	-246.0
Max	105.0	53.8	3.1	914.0	86.0	44.1	2.6	787.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for April, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	45.20 (16.50)	23.20 (8.44)	1.33 (0.48)	378 (137)	4.25 (17.00)	2.18 (8.74)	0.13 (0.51)	45 (180)
2	35.40 (16.40)	18.20 (8.41)	1.04 (0.48)	295 (137)	2.46 (7.24)	1.26 (3.71)	0.07 (0.22)	26 (77)
3	49.60 (32.00)	25.40 (16.40)	1.46 (0.94)	413 (266)	5.54 (8.39)	2.84 (4.30)	0.17 (0.25)	59 (90)
4	41.70 (16.10)	21.40 (8.25)	1.22 (0.47)	346 (134)	3.45 (2.63)	1.77 (1.35)	0.10 (0.08)	37 (28)
5	52.50 (20.70)	26.90 (10.60)	1.55 (0.61)	437 (172)	7.33 (2.82)	3.76 (1.44)	0.22 (0.09)	80 (31)
6	52.10 (19.20)	26.70 (9.84)	1.53 (0.57)	433 (160)	6.28 (2.52)	3.22 (1.29)	0.19 (0.08)	69 (28)
7	51.40 (20.40)	26.30 (10.40)	1.51 (0.60)	428 (170)	5.37 (2.35)	2.76 (1.20)	0.16 (0.07)	60 (26)
8	51.40 (18.70)	26.30 (9.60)	1.51 (0.55)	428 (156)	7.49 (9.01)	3.84 (4.62)	0.23 (0.27)	85 (103)
9	54.00 (18.40)	27.70 (9.44)	1.59 (0.54)	450 (154)	4.90 (3.00)	2.51 (1.54)	0.15 (0.09)	57 (35)
10	57.00 (22.40)	29.20 (11.50)	1.68 (0.66)	476 (187)	5.15 (3.26)	2.64 (1.67)	0.16 (0.10)	61 (39)
11	47.40 (17.40)	24.30 (8.91)	1.40 (0.51)	396 (145)	6.67 (6.94)	3.42 (3.56)	0.20 (0.21)	80 (84)
12	58.00 (23.10)	29.80 (11.80)	1.71 (0.68)	485 (193)	4.79 (6.19)	2.46 (3.18)	0.15 (0.19)	58 (75)
13	48.00 (19.50)	24.60 (10.00)	1.41 (0.57)	401 (163)	0.49 (4.39)	0.25 (2.25)	0.01 (0.13)	6 (53)
14	44.70 (23.80)	22.90 (12.20)	1.32 (0.70)	374 (199)	2.22 (1.82)	1.14 (0.93)	0.07 (0.06)	27 (22)
15	44.00 (16.40)	22.60 (8.39)	1.30 (0.48)	369 (137)	1.80 (1.28)	0.92 (0.66)	0.05 (0.04)	22 (16)
16	40.40 (15.50)	20.70 (7.95)	1.19 (0.46)	338 (130)	0.31 (2.76)	0.16 (1.42)	0.01 (0.08)	4 (34)
17								
18								
19								
20	37.40 (13.60)	19.20 (6.97)	1.10 (0.40)	313 (114)	0.97 (1.11)	0.50 (0.57)	0.03 (0.03)	12 (13)
21	41.70 (16.10)	21.40 (8.25)	1.23 (0.47)	349 (134)	2.31 (2.11)	1.18 (1.08)	0.07 (0.06)	28 (25)
22	46.70 (17.10)	23.90 (8.76)	1.38 (0.50)	390 (143)	1.20 (6.56)	0.62 (3.36)	0.04 (0.20)	15 (79)
23	51.50 (20.70)	26.40 (10.60)	1.52 (0.61)	430 (173)	5.02 (6.08)	2.57 (3.12)	0.15 (0.18)	60 (73)
24	44.90 (21.10)	23.00 (10.80)	1.33 (0.62)	375 (176)	6.22 (3.16)	3.19 (1.62)	0.19 (0.10)	75 (38)
25	50.70 (25.20)	26.00 (12.90)	1.50 (0.75)	423 (210)	7.08 (3.55)	3.63 (1.82)	0.22 (0.11)	85 (42)
26	39.30 (23.60)	20.20 (12.10)	1.16 (0.70)	328 (197)	0.92 (13.40)	0.47 (6.87)	0.03 (0.41)	11 (160)
27	44.30 (18.40)	22.70 (9.42)	1.31 (0.54)	371 (154)	7.19 (6.05)	3.69 (3.10)	0.22 (0.18)	85 (72)
28	45.60 (23.20)	23.40 (11.90)	1.35 (0.68)	382 (194)	13.00 (6.37)	6.69 (3.27)	0.40 (0.19)	154 (75)
29	40.70 (23.20)	20.90 (11.90)	1.20 (0.69)	342 (195)	20.50 (7.19)	10.50 (3.69)	0.62 (0.22)	240 (84)
30	35.20 (15.80)	18.10 (8.08)	1.04 (0.47)	296 (133)	25.60 (10.70)	13.10 (5.46)	0.78 (0.32)	299 (124)
Mean	46.3	23.8	1.4	387.0	5.9	3.0	0.2	68.1
n	27	27	27	27	27	27	27	27
SD	6.1	3.1	0.2	50.1	5.7	2.9	0.2	66.1
Min	35.2	18.1	1.0	295.0	0.3	0.2	0.0	3.7
Max	58.0	29.8	1.7	485.0	25.6	13.1	0.8	299.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for May, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	38.00 (16.00)	19.50 (8.20)	1.12 (0.47)	320 (135)	22.40 (7.20)	11.50 (3.69)	0.68 (0.22)	260 (84)
2	36.10 (14.40)	18.50 (7.40)	1.07 (0.43)	305 (122)	30.90 (9.58)	15.80 (4.92)	0.94 (0.29)	356 (111)
3	36.60 (15.30)	18.80 (7.82)	1.08 (0.45)	310 (129)	28.90 (8.61)	14.80 (4.41)	0.88 (0.26)	333 (99)
4	42.20 (19.60)	21.60 (10.00)	1.25 (0.58)	358 (166)	34.50 (12.20)	17.70 (6.25)	1.05 (0.37)	399 (141)
5	45.10 (20.40)	23.10 (10.50)	1.34 (0.61)	384 (174)	39.00 (12.10)	20.00 (6.23)	1.18 (0.37)	451 (141)
6	44.80 (17.50)	23.00 (8.99)	1.33 (0.52)	383 (150)	44.70 (13.50)	22.90 (6.93)	1.36 (0.41)	518 (157)
7	42.10 (23.90)	21.60 (12.30)	1.25 (0.71)	360 (205)	42.60 (20.40)	21.80 (10.50)	1.29 (0.62)	495 (237)
8	39.60 (18.60)	20.30 (9.54)	1.17 (0.55)	339 (160)	39.40 (14.10)	20.20 (7.22)	1.20 (0.43)	459 (164)
9	29.20 (13.40)	15.00 (6.89)	0.86 (0.40)	251 (116)	33.00 (11.40)	16.90 (5.86)	1.00 (0.35)	386 (134)
10	43.30 (17.60)	22.20 (9.01)	1.28 (0.52)	373 (152)	52.40 (15.90)	26.90 (8.16)	1.59 (0.48)	611 (186)
11								
12								
13	34.20 (12.70)	17.60 (6.52)	1.02 (0.38)	297 (110)	40.70 (9.80)	20.90 (5.03)	1.24 (0.30)	469 (113)
14	26.40 (18.50)	13.50 (9.50)	0.78 (0.55)	229 (161)	37.70 (23.50)	19.30 (12.10)	1.15 (0.72)	433 (270)
15	42.20 (22.30)	21.60 (11.50)	1.25 (0.66)	367 (195)	58.10 (20.60)	29.80 (10.50)	1.77 (0.63)	663 (234)
16	49.00 (30.00)	25.10 (15.40)	1.45 (0.89)	427 (262)	61.30 (37.30)	31.40 (19.10)	1.86 (1.13)	697 (424)
17	34.30 (28.60)	17.60 (14.70)	1.02 (0.85)	299 (250)	53.40 (29.10)	27.40 (14.90)	1.62 (0.89)	603 (329)
18	44.00 (28.30)	22.60 (14.50)	1.31 (0.84)	383 (246)	61.70 (24.90)	31.70 (12.80)	1.88 (0.76)	692 (279)
19	41.10 (17.00)	21.10 (8.73)	1.22 (0.51)	358 (148)	55.00 (18.60)	28.20 (9.52)	1.67 (0.57)	611 (206)
20	39.10 (18.40)	20.10 (9.44)	1.16 (0.55)	340 (160)	57.90 (22.00)	29.70 (11.30)	1.76 (0.67)	639 (243)
21	44.90 (48.30)	23.00 (24.80)	1.34 (1.44)	390 (419)	52.90 (16.70)	27.10 (8.58)	1.61 (0.51)	578 (183)
22	65.90 (93.10)	33.80 (47.80)	1.96 (2.77)	571 (808)	42.90 (17.90)	22.00 (9.18)	1.31 (0.55)	466 (194)
23	24.10 (11.20)	12.40 (5.74)	0.72 (0.33)	209 (97)	35.20 (12.90)	18.00 (6.60)	1.07 (0.39)	379 (139)
24	33.00 (13.50)	16.90 (6.91)	0.98 (0.40)	285 (116)	48.60 (13.80)	24.90 (7.08)	1.48 (0.42)	521 (148)
25	31.80 (10.20)	16.30 (5.21)	0.95 (0.30)	274 (88)	61.70 (19.50)	31.70 (9.99)	1.88 (0.59)	659 (208)
26	33.80 (12.60)	17.30 (6.47)	1.01 (0.38)	292 (109)	57.80 (19.20)	29.70 (9.86)	1.76 (0.59)	616 (205)
27	38.10 (14.10)	19.50 (7.22)	1.14 (0.42)	328 (121)	53.20 (19.80)	27.30 (10.10)	1.62 (0.60)	565 (210)
28	42.20 (19.90)	21.70 (10.20)	1.26 (0.59)	363 (172)	54.00 (21.00)	27.70 (10.80)	1.65 (0.64)	572 (223)
29	68.10 (58.30)	34.90 (29.90)	2.03 (1.74)	585 (501)	65.60 (34.10)	33.60 (17.50)	2.00 (1.04)	692 (360)
30	57.20 (28.50)	29.30 (14.60)	1.71 (0.85)	491 (245)	57.20 (18.50)	29.30 (9.47)	1.74 (0.56)	602 (194)
31	56.90 (34.20)	29.20 (17.50)	1.70 (1.02)	488 (294)	50.60 (17.70)	25.90 (9.06)	1.54 (0.54)	531 (185)
Mean	41.5	21.3	1.2	357.0	47.4	24.3	1.4	526.0
n	29	29	29	29	29	29	29	29
SD	10.2	5.2	0.3	87.6	11.3	5.8	0.3	117.0
Min	24.1	12.4	0.7	209.0	22.4	11.5	0.7	260.0
Max	68.1	34.9	2.0	585.0	65.6	33.6	2.0	697.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for June, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	68.20 (31.80)	35.00 (16.30)	2.04 (0.95)	585 (273)	49.20 (17.20)	25.20 (8.80)	1.50 (0.52)	514 (179)
2	77.40 (40.30)	39.70 (20.70)	2.31 (1.20)	664 (346)	45.50 (16.60)	23.30 (8.52)	1.39 (0.51)	474 (173)
3	44.20 (16.30)	22.70 (8.36)	2.28 (1.21)	656 (348)	51.60 (17.60)	26.40 (9.02)	1.57 (0.54)	535 (183)
4					39.00 (13.70)	20.00 (7.02)	1.19 (0.42)	403 (142)
5					41.60 (13.70)	21.40 (7.02)	1.27 (0.42)	429 (141)
6					35.20 (11.20)	18.10 (5.72)	1.08 (0.34)	362 (115)
7					32.70 (8.34)	16.80 (4.28)	1.00 (0.26)	334 (85)
8					37.80 (8.45)	19.40 (4.34)	1.16 (0.26)	386 (86)
9					49.70 (12.60)	25.50 (6.44)	1.52 (0.38)	505 (128)
10					31.50 (9.65)	16.10 (4.95)	0.96 (0.30)	319 (98)
11					26.80 (7.51)	13.70 (3.85)	0.82 (0.23)	271 (76)
12					25.60 (14.30)	13.10 (7.32)	0.78 (0.44)	258 (144)
13					35.70 (13.50)	18.30 (6.93)	1.09 (0.41)	359 (136)
14					32.60 (9.69)	16.70 (4.97)	1.00 (0.30)	327 (97)
15					36.70 (9.93)	18.80 (5.09)	1.12 (0.30)	366 (99)
16					32.90 (10.30)	16.90 (5.26)	1.01 (0.31)	327 (102)
17					30.20 (6.22)	15.50 (3.19)	0.92 (0.19)	298 (61)
18					27.90 (9.22)	14.30 (4.73)	0.85 (0.28)	273 (90)
19					32.80 (9.37)	16.80 (4.81)	1.00 (0.29)	320 (91)
20					48.30 (19.50)	24.80 (9.98)	1.48 (0.60)	469 (188)
21					52.60 (23.80)	27.00 (12.20)	1.61 (0.73)	510 (230)
22					24.70 (13.30)	12.70 (6.80)	0.76 (0.41)	240 (129)
23					20.40 (9.91)	10.50 (5.08)	0.63 (0.30)	199 (96)
24					33.60 (11.60)	17.20 (5.93)	1.03 (0.35)	328 (113)
25					35.10 (14.00)	18.00 (7.16)	1.07 (0.43)	343 (136)
26					43.30 (20.30)	22.20 (10.40)	1.33 (0.62)	424 (199)
27					52.10 (19.00)	26.70 (9.75)	1.60 (0.58)	511 (186)
28					40.20 (10.30)	20.60 (5.29)	1.23 (0.32)	399 (102)
29					40.40 (12.20)	20.70 (6.23)	1.24 (0.37)	408 (123)
30					40.40 (16.40)	20.70 (8.41)	1.24 (0.50)	417 (169)
Mean	63.3	32.4	2.2	635.0	37.5	19.3	1.2	377.0
n	3	3	3	3	30	30	30	30
SD	14.0	7.2	0.1	35.4	8.6	4.4	0.3	88.1
Min	44.2	22.7	2.0	585.0	20.4	10.5	0.6	199.0
Max	77.4	39.7	2.3	664.0	52.6	27.0	1.6	535.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for July, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1					46.40 (20.60)	23.80 (10.50)	1.42 (0.63)	488 (216)
2					38.40 (10.60)	19.70 (5.43)	1.18 (0.32)	413 (114)
3					52.70 (19.10)	27.00 (9.80)	1.61 (0.59)	579 (209)
4					45.20 (13.30)	23.20 (6.83)	1.38 (0.41)	508 (150)
5					54.50 (16.90)	27.90 (8.66)	1.67 (0.52)	619 (192)
6					66.70 (26.90)	34.20 (13.80)	2.05 (0.82)	759 (305)
7					75.40 (30.50)	38.70 (15.70)	2.31 (0.94)	859 (348)
8	60.70 (11.20)	31.10 (5.77)	1.71 (0.32)	595 (110)	78.30 (22.40)	40.20 (11.50)	2.40 (0.69)	894 (255)
9	43.30 (12.60)	22.20 (6.46)	1.22 (0.36)	424 (124)	58.50 (19.10)	30.00 (9.80)	1.79 (0.59)	668 (218)
10	52.70 (13.60)	27.00 (7.00)	1.48 (0.38)	518 (134)	60.90 (21.70)	31.20 (11.10)	1.87 (0.67)	697 (248)
11	49.20 (17.40)	25.20 (8.90)	1.39 (0.49)	484 (171)	51.40 (16.40)	26.40 (8.41)	1.58 (0.50)	589 (188)
12	46.90 (16.60)	24.10 (8.50)	1.32 (0.47)	460 (162)	48.00 (15.70)	24.60 (8.05)	1.47 (0.48)	550 (180)
13	46.40 (16.30)	23.80 (8.38)	1.31 (0.46)	452 (159)	52.80 (19.10)	27.10 (9.80)	1.62 (0.59)	605 (219)
14	39.20 (16.60)	20.10 (8.51)	1.10 (0.47)	380 (161)	39.40 (16.80)	20.20 (8.62)	1.21 (0.52)	452 (193)
15	40.10 (16.90)	20.50 (8.64)	1.13 (0.47)	386 (162)	36.00 (13.40)	18.40 (6.87)	1.10 (0.41)	412 (154)
16								
17								
18								
19								
20								
21								
22								
23					51.60 (24.60)	26.40 (12.60)	1.59 (0.76)	596 (284)
24					61.00 (16.40)	31.30 (8.40)	1.88 (0.51)	705 (189)
25	42.80 (14.50)	22.00 (7.42)	1.21 (0.41)	379 (128)	74.00 (20.80)	37.90 (10.70)	2.28 (0.64)	857 (241)
26	40.20 (17.30)	20.60 (8.85)	1.13 (0.49)	354 (152)	59.20 (20.70)	30.40 (10.60)	1.83 (0.64)	686 (239)
27	36.70 (15.00)	18.80 (7.68)	1.04 (0.42)	322 (131)	44.50 (18.90)	22.80 (9.70)	1.37 (0.58)	515 (219)
28	37.40 (16.80)	19.20 (8.59)	1.06 (0.47)	326 (146)	35.70 (12.70)	18.30 (6.52)	1.10 (0.39)	413 (147)
29	40.90 (18.10)	21.00 (9.29)	1.16 (0.51)	355 (157)	36.20 (14.00)	18.60 (7.16)	1.12 (0.43)	418 (161)
30	50.90 (18.80)	26.10 (9.65)	1.44 (0.53)	440 (163)	42.70 (15.10)	21.90 (7.76)	1.32 (0.47)	492 (175)
31	54.40 (21.20)	27.90 (10.90)	1.54 (0.60)	469 (183)	49.70 (19.30)	25.50 (9.89)	1.53 (0.60)	574 (222)
Mean	45.5	23.3	1.3	423.0	52.5	26.9	1.6	598.0
n	15	15	15	15	24	24	24	24
SD	6.7	3.5	0.2	73.4	12.2	6.3	0.4	142.0
Min	36.7	18.8	1.0	322.0	35.7	18.3	1.1	412.0
Max	60.7	31.1	1.7	595.0	78.3	40.2	2.4	894.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for August, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	46.90 (19.80)	24.10 (10.20)	1.33 (0.56)	403 (170)	37.30 (11.90)	19.10 (6.10)	1.15 (0.37)	429 (137)
2	59.70 (21.20)	30.60 (10.90)	1.69 (0.60)	511 (181)	49.80 (20.10)	25.60 (10.30)	1.54 (0.62)	570 (230)
3	48.80 (17.00)	25.00 (8.74)	1.38 (0.48)	417 (146)	45.40 (21.60)	23.30 (11.10)	1.40 (0.67)	512 (244)
4	55.10 (15.10)	28.30 (7.73)	1.56 (0.43)	472 (129)	47.70 (15.20)	24.50 (7.79)	1.47 (0.47)	531 (169)
5	56.40 (18.00)	28.90 (9.22)	1.59 (0.51)	482 (154)	44.70 (14.90)	22.90 (7.66)	1.38 (0.46)	491 (164)
6	54.90 (16.90)	28.20 (8.66)	1.55 (0.48)	469 (144)	41.30 (13.20)	21.20 (6.79)	1.28 (0.41)	448 (143)
7	50.30 (18.80)	25.80 (9.63)	1.42 (0.53)	429 (160)	36.50 (17.40)	18.70 (8.94)	1.13 (0.54)	391 (187)
8	53.50 (20.80)	27.40 (10.70)	1.51 (0.59)	456 (177)	34.90 (15.20)	17.90 (7.78)	1.08 (0.47)	369 (160)
9	55.10 (23.80)	28.30 (12.20)	1.56 (0.67)	470 (203)	36.30 (13.80)	18.60 (7.06)	1.12 (0.43)	383 (145)
10	58.30 (18.80)	29.90 (9.66)	1.65 (0.53)	497 (161)	35.00 (13.60)	18.00 (6.97)	1.08 (0.42)	370 (143)
11	62.80 (21.00)	32.20 (10.80)	1.78 (0.60)	535 (179)	37.50 (19.80)	19.20 (10.20)	1.16 (0.61)	397 (210)
12	71.90 (21.10)	36.80 (10.80)	2.04 (0.60)	611 (180)	48.70 (21.00)	25.00 (10.80)	1.51 (0.65)	518 (223)
13	68.50 (43.00)	35.10 (22.00)	1.94 (1.22)	582 (365)	30.30 (45.30)	15.50 (23.20)	0.94 (1.40)	323 (484)
14	55.60 (41.60)	28.50 (21.30)	1.58 (1.18)	472 (353)	13.60 (34.30)	6.97 (17.60)	0.42 (1.06)	146 (367)
15	66.30 (26.10)	34.00 (13.40)	1.88 (0.74)	562 (221)	38.50 (17.50)	19.70 (8.98)	1.19 (0.54)	413 (188)
16	70.30 (13.80)	36.10 (7.08)	1.99 (0.39)	596 (117)	38.20 (10.30)	19.60 (5.27)	1.18 (0.32)	411 (110)
17	59.40 (18.80)	30.50 (9.63)	1.68 (0.53)	502 (159)	32.00 (13.00)	16.40 (6.68)	0.99 (0.40)	342 (139)
18	70.60 (26.20)	36.20 (13.40)	2.00 (0.74)	597 (221)	30.10 (10.00)	15.50 (5.14)	0.94 (0.31)	321 (107)
19	54.40 (16.90)	27.90 (8.68)	1.54 (0.48)	459 (143)	31.90 (10.10)	16.40 (5.16)	0.99 (0.31)	339 (107)
20	67.30 (24.30)	34.50 (12.50)	1.91 (0.69)	567 (204)	41.50 (14.30)	21.30 (7.32)	1.29 (0.44)	440 (151)
21	79.00 (30.70)	40.50 (15.70)	2.24 (0.87)	664 (258)	45.60 (16.90)	23.40 (8.68)	1.42 (0.53)	482 (179)
22	84.70 (30.60)	43.40 (15.70)	2.40 (0.87)	711 (257)	47.90 (20.90)	24.50 (10.70)	1.49 (0.65)	504 (220)
23	74.80 (21.70)	38.40 (11.10)	2.12 (0.62)	627 (181)	66.70 (47.50)	34.20 (24.40)	2.07 (1.48)	701 (499)
24	81.90 (21.70)	42.00 (11.10)	2.32 (0.62)	684 (182)	42.00 (13.00)	21.60 (6.66)	1.31 (0.40)	442 (136)
25	74.00 (22.80)	37.90 (11.70)	2.10 (0.65)	617 (190)	34.90 (14.50)	17.90 (7.41)	1.09 (0.45)	367 (152)
26	67.60 (20.20)	34.70 (10.40)	1.92 (0.57)	562 (168)	31.20 (10.20)	16.00 (5.23)	0.97 (0.32)	328 (107)
27					17.90 (9.55)	9.18 (4.90)	0.56 (0.30)	188 (100)
28	101.00 (24.90)	51.60 (12.80)	2.86 (0.71)	833 (206)	46.80 (15.30)	24.00 (7.86)	2.46 (1.02)	833 (345)
29	125.00 (36.40)	64.20 (18.70)	3.55 (1.03)	1030 (301)	25.10 (12.70)	12.90 (6.53)		
30	110.00 (28.20)	56.50 (14.50)	3.13 (0.80)	909 (233)				
31	64.00 (28.60)	32.80 (14.70)	1.82 (0.81)	529 (236)				
Mean	68.3	35.0	1.9	575.0	38.3	19.6	1.2	428.0
n	30	30	30	30	29	29	28	28
SD	17.7	9.1	0.5	142.0	10.1	5.2	0.4	133.0
Min	46.9	24.1	1.3	403.0	13.6	7.0	0.4	146.0
Max	125.0	64.2	3.6	1030.0	66.7	34.2	2.5	833.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for September, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	71.10 (23.60)	36.50 (12.10)	2.02 (0.67)	588 (195)				
2	68.00 (18.60)	34.90 (9.52)	1.93 (0.53)	563 (154)				
3	80.20 (26.60)	41.10 (13.60)	2.28 (0.76)	664 (220)				
4	20.40 (29.20)	10.50 (15.00)	0.58 (0.83)	169 (242)				
5	-10.90 (69.60)	-5.58 (35.70)	-0.31 (1.98)	-90 (578)				
6	40.90 (61.90)	21.00 (31.80)	1.16 (1.76)	339 (513)				
7	83.70 (33.90)	42.90 (17.40)	2.38 (0.96)	693 (280)				
8	44.80 (34.00)	23.00 (17.40)	1.27 (0.97)	370 (281)				
9	53.40 (23.10)	27.40 (11.90)	1.52 (0.66)	439 (190)				
10	72.20 (27.10)	37.00 (13.90)	2.05 (0.77)	593 (223)				
11	67.00 (25.00)	34.40 (12.80)	1.90 (0.71)	549 (205)				
12	75.70 (31.90)	38.80 (16.30)	2.15 (0.91)	618 (261)				
13	77.10 (33.10)	39.50 (17.00)	2.19 (0.94)	630 (270)				
14	81.50 (27.70)	41.80 (14.20)	2.31 (0.79)	668 (227)				
15	77.60 (30.00)	39.80 (15.40)	2.20 (0.85)	639 (247)				
16	74.20 (23.00)	38.10 (11.80)	2.11 (0.66)	613 (190)				
17	73.70 (32.70)	37.80 (16.70)	2.09 (0.93)	611 (271)				
18	65.70 (28.20)	33.70 (14.40)	1.87 (0.80)	546 (234)				
19	62.50 (22.50)	32.00 (11.60)	1.78 (0.64)	521 (188)				
20	85.60 (37.30)	43.90 (19.10)	2.43 (1.06)	715 (312)				
21	82.00 (34.50)	42.00 (17.70)	2.33 (0.98)	684 (288)				
22	78.20 (30.80)	40.10 (15.80)	2.22 (0.88)	651 (257)				
23	67.60 (19.10)	34.70 (9.81)	1.92 (0.54)	562 (159)				
24	64.80 (28.70)	33.20 (14.70)	1.84 (0.82)	538 (238)				
25	68.30 (25.50)	35.00 (13.10)	1.94 (0.73)	566 (211)				
26	68.00 (26.90)	34.80 (13.80)	1.93 (0.77)	562 (223)				
27	47.70 (27.20)	24.40 (13.90)	1.36 (0.77)	395 (225)				
28	33.30 (34.00)	17.10 (17.40)	0.95 (0.97)	277 (282)				
29	61.80 (25.80)	31.70 (13.30)	1.76 (0.74)	515 (215)				
30	78.70 (44.30)	40.40 (22.70)	2.24 (1.26)	657 (369)	29.10 (12.50)	14.90 (6.42)	0.86 (0.37)	298 (128)
Mean	63.8	32.7	1.8	528.0				
n	30	30	30	30	1	1	1	1
SD	20.6	10.6	0.6	171.0				
Min	-10.9	-5.6	-0.3	-90.2				
Max	85.6	43.9	2.4	715.0				

Table E11. Daily means (SD) of H2S emissions at Site CA2B for October, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	70.20 (21.60)	36.00 (11.10)	2.00 (0.62)	587 (181)	28.10 (9.09)	14.40 (4.66)	0.83 (0.27)	287 (93)
2					29.20 (12.50)	15.00 (6.40)	0.86 (0.37)	295 (126)
3					34.90 (8.69)	17.90 (4.46)	1.02 (0.26)	352 (88)
4								
5								
6								
7					31.80 (16.20)	16.30 (8.30)	0.94 (0.48)	313 (159)
8					11.70 (21.30)	5.98 (10.90)	0.34 (0.63)	114 (208)
9					22.20 (14.10)	11.40 (7.25)	0.65 (0.42)	216 (137)
10	44.40 (11.00)	22.80 (5.65)	1.26 (0.31)	368 (91)				
11	42.80 (12.70)	22.00 (6.53)	1.22 (0.36)	355 (105)	16.70 (2.37)	8.57 (1.21)	0.49 (0.07)	161 (23)
12	39.50 (17.80)	20.30 (9.14)	1.13 (0.51)	327 (147)	13.30 (4.08)	6.80 (2.09)	0.39 (0.12)	127 (39)
13	36.50 (20.40)	18.70 (10.50)	1.04 (0.58)	301 (168)	16.50 (5.42)	8.48 (2.78)	0.49 (0.16)	158 (52)
14	32.10 (9.62)	16.40 (4.93)	0.91 (0.27)	264 (79)	38.40 (17.50)	19.70 (8.96)	1.13 (0.51)	367 (167)
15	36.80 (14.80)	18.90 (7.59)	1.05 (0.42)	303 (122)	35.80 (18.10)	18.40 (9.26)	1.05 (0.53)	342 (172)
16	31.50 (7.18)	16.10 (3.68)	0.90 (0.21)	258 (59)	28.90 (13.50)	14.80 (6.91)	0.85 (0.40)	275 (128)
17	36.10 (12.80)	18.50 (6.56)	1.03 (0.37)	296 (105)	30.80 (14.30)	15.80 (7.33)	0.91 (0.42)	293 (136)
18	37.20 (20.50)	19.10 (10.50)	1.06 (0.59)	305 (168)	23.10 (19.10)	11.90 (9.80)	0.68 (0.56)	219 (181)
19	39.40 (13.30)	20.20 (6.84)	1.12 (0.38)	324 (110)	29.00 (15.60)	14.80 (8.02)	0.85 (0.46)	274 (148)
20	50.50 (25.00)	25.90 (12.80)	1.44 (0.71)	416 (206)	32.10 (11.50)	16.50 (5.88)	0.95 (0.34)	303 (108)
21	40.10 (17.60)	20.50 (9.05)	1.14 (0.50)	331 (146)	26.10 (10.50)	13.40 (5.38)	0.77 (0.31)	245 (99)
22	27.60 (15.50)	14.20 (7.94)	0.79 (0.44)	229 (128)	17.30 (9.66)	8.90 (4.96)	0.51 (0.29)	163 (91)
23	24.60 (20.00)	12.60 (10.30)	0.70 (0.57)	205 (166)	9.42 (14.70)	4.83 (7.54)	0.28 (0.43)	88 (138)
24	32.00 (11.30)	16.40 (5.78)	0.91 (0.32)	267 (94)	19.40 (9.92)	9.94 (5.09)	0.57 (0.29)	181 (93)
25								
26	26.90 (17.30)	13.80 (8.86)	0.77 (0.49)	224 (144)	13.20 (11.70)	6.77 (5.98)	0.39 (0.34)	123 (109)
27	25.40 (15.10)	13.00 (7.74)	0.73 (0.43)	212 (126)	8.19 (10.90)	4.20 (5.60)	0.24 (0.32)	76 (102)
28	48.20 (14.20)	24.70 (7.29)	1.38 (0.41)	401 (118)	34.50 (12.00)	17.70 (6.13)	1.02 (0.35)	322 (111)
29	42.20 (15.30)	21.60 (7.87)	1.20 (0.44)	351 (128)	31.30 (13.30)	16.10 (6.83)	0.92 (0.39)	292 (124)
30								
31	47.00 (10.20)	24.10 (5.24)	1.34 (0.29)	390 (85)	35.70 (10.70)	18.30 (5.49)	1.05 (0.32)	333 (100)
Mean	38.6	19.8	1.1	320.0	24.7	12.7	0.7	237.0
n	21	21	21	21	25	25	25	25
SD	10.1	5.2	0.3	84.7	9.1	4.6	0.3	87.6
Min	24.6	12.6	0.7	205.0	8.2	4.2	0.2	76.4
Max	70.2	36.0	2.0	587.0	38.4	19.7	1.1	367.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for November, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	44.00 (9.25)	22.50 (4.75)	1.26 (0.26)	365 (77)	33.80 (9.12)	17.30 (4.68)	1.00 (0.27)	316 (85)
2	48.60 (22.80)	24.90 (11.70)	1.39 (0.65)	404 (189)	36.10 (14.20)	18.50 (7.27)	1.06 (0.42)	337 (133)
3	46.80 (18.00)	24.00 (9.22)	1.34 (0.51)	389 (149)	32.50 (9.93)	16.70 (5.09)	0.96 (0.29)	305 (93)
4	44.40 (17.10)	22.70 (8.78)	1.27 (0.49)	369 (142)	23.80 (6.51)	12.20 (3.34)	0.70 (0.19)	224 (61)
5	35.10 (11.10)	18.00 (5.70)	1.00 (0.32)	292 (92)	27.60 (13.50)	14.10 (6.91)	0.81 (0.40)	260 (127)
6	51.70 (82.90)	26.50 (42.50)	1.48 (2.37)	430 (689)	45.80 (18.70)	23.50 (9.57)	1.35 (0.55)	432 (176)
7	21.10 (13.80)	10.80 (7.07)	0.60 (0.39)	175 (115)	28.60 (15.30)	14.70 (7.86)	0.84 (0.45)	270 (145)
8	26.30 (12.90)	13.50 (6.60)	0.75 (0.37)	218 (107)	34.10 (12.50)	17.50 (6.41)	1.01 (0.37)	322 (118)
9	35.60 (18.20)	18.30 (9.36)	1.02 (0.52)	295 (151)	39.70 (17.70)	20.30 (9.09)	1.17 (0.52)	373 (167)
10	26.90 (12.30)	13.80 (6.33)	0.77 (0.35)	222 (102)	26.80 (15.50)	13.70 (7.93)	0.79 (0.46)	251 (145)
11	39.10 (13.60)	20.10 (6.96)	1.12 (0.39)	322 (112)	47.60 (15.10)	24.40 (7.76)	1.41 (0.45)	445 (141)
12	19.60 (17.70)	10.00 (9.09)	0.56 (0.51)	160 (145)	29.30 (17.80)	15.00 (9.12)	0.86 (0.52)	273 (165)
13					16.40 (14.60)	8.39 (7.48)	0.48 (0.43)	152 (135)
14	21.10 (12.00)	10.80 (6.16)	0.60 (0.34)	171 (98)	31.80 (12.00)	16.30 (6.13)	0.94 (0.35)	294 (110)
15	28.00 (11.70)	14.40 (5.99)	0.80 (0.33)	227 (95)	39.30 (15.40)	20.20 (7.87)	1.16 (0.45)	362 (141)
16	18.00 (15.90)	9.24 (8.13)	0.52 (0.45)	146 (129)	27.90 (14.50)	14.30 (7.42)	0.82 (0.43)	255 (133)
17	21.80 (12.60)	11.20 (6.44)	0.62 (0.36)	176 (102)	33.70 (17.80)	17.30 (9.11)	0.99 (0.52)	307 (162)
18	25.20 (19.60)	12.90 (10.00)	0.72 (0.56)	204 (158)	25.20 (9.55)	12.90 (4.90)	0.74 (0.28)	228 (87)
19	33.90 (13.90)	17.40 (7.15)	0.97 (0.40)	274 (113)	31.50 (11.30)	16.20 (5.79)	0.93 (0.33)	285 (102)
20	36.10 (14.10)	18.50 (7.23)	1.03 (0.40)	291 (114)	34.10 (9.04)	17.50 (4.64)	1.01 (0.27)	307 (81)
21	22.80 (7.24)	11.70 (3.71)	0.65 (0.21)	183 (58)	31.40 (14.30)	16.10 (7.33)	0.93 (0.42)	281 (128)
22	22.50 (11.20)	11.50 (5.76)	0.65 (0.32)	181 (91)	23.00 (18.00)	11.80 (9.25)	0.68 (0.53)	205 (161)
23	21.50 (14.90)	11.00 (7.63)	0.62 (0.43)	173 (120)	30.20 (14.10)	15.50 (7.25)	0.89 (0.42)	269 (126)
24	29.80 (9.48)	15.30 (4.86)	0.85 (0.27)	241 (77)	38.80 (15.00)	19.90 (7.71)	1.15 (0.44)	346 (134)
25	33.90 (14.10)	17.40 (7.24)	0.97 (0.41)	275 (114)	19.00 (7.95)	9.72 (4.08)	0.56 (0.24)	169 (71)
26	34.00 (19.90)	17.40 (10.20)	0.98 (0.57)	276 (161)	24.40 (17.50)	12.50 (8.98)	0.72 (0.52)	216 (155)
27	34.70 (14.20)	17.80 (7.30)	0.99 (0.41)	282 (116)	48.00 (16.60)	24.60 (8.53)	1.42 (0.49)	425 (147)
28	32.00 (16.50)	16.40 (8.46)	0.92 (0.47)	260 (134)	40.90 (15.00)	21.00 (7.70)	1.21 (0.44)	362 (133)
29	19.60 (13.90)	10.10 (7.12)	0.56 (0.40)	160 (113)	16.80 (10.70)	8.64 (5.49)	0.50 (0.32)	149 (95)
30	26.40 (16.50)	13.50 (8.48)	0.76 (0.47)	215 (135)	24.80 (13.90)	12.70 (7.12)	0.73 (0.41)	220 (123)
Mean	31.0	15.9	0.9	254.0	31.4	16.1	0.9	288.0
n	29	29	29	29	30	30	30	30
SD	9.4	4.8	0.3	78.9	8.1	4.2	0.2	75.6
Min	18.0	9.2	0.5	146.0	16.4	8.4	0.5	149.0
Max	51.7	26.5	1.5	430.0	48.0	24.6	1.4	445.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for December, 2008.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	22.90 (7.32)	11.70 (3.76)	0.66 (0.21)	187 (60)	25.40 (8.23)	13.00 (4.22)	0.75 (0.24)	225 (73)
2	33.70 (12.80)	17.30 (6.55)	0.97 (0.37)	275 (104)	28.90 (13.20)	14.80 (6.77)	0.85 (0.39)	257 (118)
3	32.90 (15.40)	16.90 (7.90)	0.94 (0.44)	269 (126)	38.80 (26.70)	19.90 (13.70)	1.15 (0.79)	346 (238)
4					40.50 (17.70)	20.80 (9.08)	1.20 (0.52)	361 (158)
5					20.70 (9.02)	10.60 (4.62)	0.61 (0.27)	185 (81)
6					28.50 (9.94)	14.60 (5.10)	0.84 (0.29)	255 (89)
7					21.80 (15.90)	11.20 (8.17)	0.64 (0.47)	195 (143)
8								
9								
10					38.20 (21.60)	19.60 (11.10)	1.13 (0.64)	343 (194)
11					31.40 (16.00)	16.10 (8.19)	0.93 (0.47)	282 (144)
12					21.30 (11.20)	10.90 (5.75)	0.63 (0.33)	192 (101)
13					28.30 (12.50)	14.50 (6.40)	0.84 (0.37)	255 (112)
14					22.00 (12.60)	11.30 (6.47)	0.65 (0.37)	198 (114)
15					19.00 (18.30)	9.72 (9.40)	0.56 (0.54)	171 (166)
16					22.90 (10.40)	11.80 (5.31)	0.68 (0.31)	208 (94)
17					22.00 (9.85)	11.30 (5.05)	0.65 (0.29)	200 (89)
18					13.10 (8.22)	6.71 (4.21)	0.39 (0.24)	119 (75)
19	26.60 (13.90)	13.60 (7.12)	0.76 (0.40)	222 (116)	17.20 (14.30)	8.84 (7.33)	0.51 (0.42)	157 (130)
20	23.70 (12.80)	12.20 (6.57)	0.68 (0.37)	198 (107)	26.10 (12.30)	13.40 (6.29)	0.77 (0.36)	238 (112)
21	28.40 (18.20)	14.60 (9.31)	0.82 (0.52)	237 (152)	17.40 (7.96)	8.91 (4.08)	0.51 (0.24)	159 (73)
22	31.30 (15.40)	16.00 (7.88)	0.90 (0.44)	260 (128)	22.70 (11.90)	11.60 (6.11)	0.67 (0.35)	207 (109)
23	28.10 (15.60)	14.40 (8.01)	0.81 (0.45)	233 (130)	22.30 (12.10)	11.40 (6.19)	0.66 (0.36)	203 (110)
24	26.80 (14.90)	13.70 (7.65)	0.77 (0.43)	222 (124)	22.00 (11.10)	11.30 (5.70)	0.65 (0.33)	200 (101)
25	33.20 (20.30)	17.00 (10.40)	0.96 (0.59)	274 (168)	21.10 (11.70)	10.80 (6.01)	0.63 (0.35)	192 (107)
26	24.10 (16.40)	12.30 (8.38)	0.69 (0.47)	198 (135)	21.90 (13.10)	11.20 (6.74)	0.65 (0.39)	199 (120)
27	27.10 (19.00)	13.90 (9.74)	0.78 (0.55)	224 (157)	13.70 (16.80)	7.01 (8.64)	0.41 (0.50)	124 (153)
28	32.50 (17.50)	16.70 (8.96)	0.94 (0.50)	269 (145)	18.10 (17.60)	9.28 (9.02)	0.54 (0.52)	165 (160)
29	32.10 (16.50)	16.50 (8.44)	0.93 (0.48)	266 (136)	20.40 (13.70)	10.50 (7.04)	0.60 (0.41)	186 (125)
30	28.40 (16.20)	14.50 (8.32)	0.82 (0.47)	236 (135)	22.00 (16.00)	11.30 (8.18)	0.65 (0.47)	201 (146)
31	29.80 (16.60)	15.30 (8.53)	0.86 (0.48)	249 (139)	15.10 (17.40)	7.75 (8.93)	0.45 (0.52)	138 (159)
					23.20 (21.20)	11.90 (10.80)	0.69 (0.63)	213 (194)
Mean	28.8	14.8	0.8	239.0	23.5	12.1	0.7	213.0
n	16	16	16	16	30	30	30	30
SD	3.4	1.8	0.1	28.0	6.7	3.4	0.2	58.8
Min	22.9	11.7	0.7	187.0	13.1	6.7	0.4	119.0
Max	33.7	17.3	1.0	275.0	40.5	20.8	1.2	361.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for January, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	35.50 (18.60)	18.20 (9.53)	1.02 (0.54)	297 (155)	24.70 (15.90)	12.70 (8.13)	0.73 (0.47)	227 (145)
2	36.10 (14.10)	18.50 (7.23)	1.04 (0.41)	302 (118)	25.70 (12.60)	13.20 (6.48)	0.76 (0.37)	236 (116)
3	41.90 (21.40)	21.50 (11.00)	1.21 (0.62)	352 (180)	20.10 (10.80)	10.30 (5.52)	0.60 (0.32)	185 (99)
4	35.60 (22.10)	18.30 (11.30)	1.03 (0.64)	299 (185)	15.10 (14.40)	7.73 (7.41)	0.45 (0.43)	138 (132)
5	40.80 (18.60)	20.90 (9.52)	1.18 (0.54)	342 (156)	22.50 (12.20)	11.50 (6.27)	0.67 (0.36)	205 (111)
6	40.40 (17.80)	20.70 (9.12)	1.17 (0.51)	338 (149)	23.80 (9.98)	12.20 (5.12)	0.71 (0.30)	217 (91)
7	32.20 (17.10)	16.50 (8.78)	0.93 (0.50)	269 (143)	22.00 (14.30)	11.30 (7.32)	0.65 (0.42)	199 (129)
8	39.40 (21.70)	20.20 (11.10)	1.14 (0.63)	330 (182)	22.30 (10.60)	11.40 (5.41)	0.66 (0.31)	202 (95)
9	37.10 (17.90)	19.00 (9.19)	1.07 (0.52)	310 (150)	30.90 (13.70)	15.80 (7.00)	0.92 (0.41)	278 (123)
10	38.80 (23.70)	19.90 (12.10)	1.12 (0.69)	326 (199)	23.10 (15.30)	11.90 (7.85)	0.69 (0.45)	209 (138)
11	29.80 (16.50)	15.30 (8.47)	0.86 (0.48)	253 (140)	14.50 (19.00)	7.41 (9.74)	0.43 (0.56)	131 (172)
12	32.80 (14.40)	16.80 (7.38)	0.95 (0.42)	281 (123)	11.40 (11.80)	5.85 (6.04)	0.34 (0.35)	104 (107)
13	41.60 (27.10)	21.30 (13.90)	1.20 (0.78)	359 (234)	32.40 (12.20)	16.60 (6.25)	0.96 (0.36)	297 (112)
14	41.60 (28.80)	21.30 (14.80)	1.20 (0.84)	363 (251)	28.70 (12.70)	14.70 (6.50)	0.85 (0.38)	264 (117)
15	25.10 (25.30)	12.80 (13.00)	0.73 (0.73)	221 (222)	12.60 (14.20)	6.46 (7.26)	0.37 (0.42)	116 (131)
16	40.20 (29.50)	20.60 (15.10)	1.17 (0.85)	358 (262)	25.30 (17.50)	13.00 (8.96)	0.75 (0.52)	236 (163)
17	28.60 (32.60)	14.70 (16.70)	0.83 (0.95)	256 (292)	12.40 (11.40)	6.37 (5.84)	0.37 (0.34)	116 (106)
18	18.50 (11.70)	9.49 (5.98)	0.54 (0.34)	165 (104)	14.40 (8.91)	7.40 (4.57)	0.43 (0.27)	135 (83)
19	20.60 (10.30)	10.60 (5.26)	0.60 (0.30)	184 (92)	15.60 (8.01)	8.01 (4.11)	0.46 (0.24)	146 (75)
20	12.80 (15.50)	6.58 (7.95)	0.37 (0.45)	114 (138)	9.47 (12.70)	4.86 (6.51)	0.28 (0.38)	89 (119)
21	16.90 (11.50)	8.67 (5.87)	0.49 (0.33)	151 (102)	12.70 (8.84)	6.52 (4.53)	0.38 (0.26)	119 (83)
22	22.00 (11.10)	11.30 (5.68)	0.64 (0.32)	196 (99)	16.00 (7.88)	8.19 (4.04)	0.47 (0.23)	150 (74)
23	38.60 (11.80)	19.80 (6.05)	1.12 (0.34)	344 (105)	29.00 (10.10)	14.90 (5.17)	0.86 (0.30)	273 (95)
24	40.10 (15.30)	20.60 (7.87)	1.16 (0.45)	357 (137)	28.60 (6.56)	14.70 (3.36)	0.85 (0.20)	269 (62)
25	35.50 (11.70)	18.20 (5.99)	1.03 (0.34)	316 (104)	28.20 (20.70)	14.50 (10.60)	0.84 (0.62)	265 (195)
26	40.00 (11.90)	20.50 (6.08)	1.16 (0.35)	355 (105)	26.40 (7.92)	13.50 (4.06)	0.79 (0.24)	249 (75)
27	37.00 (10.10)	19.00 (5.17)	1.07 (0.29)	328 (89)	25.20 (8.38)	12.90 (4.30)	0.75 (0.25)	238 (79)
28	40.20 (20.90)	20.60 (10.70)	1.17 (0.61)	356 (185)	30.40 (21.10)	15.60 (10.80)	0.90 (0.63)	287 (199)
29	32.80 (12.90)	16.80 (6.60)	0.95 (0.37)	290 (114)	24.30 (8.99)	12.50 (4.61)	0.72 (0.27)	230 (85)
30	32.10 (12.90)	16.50 (6.63)	0.93 (0.38)	283 (114)	23.70 (9.12)	12.10 (4.68)	0.70 (0.27)	224 (86)
31	34.80 (13.30)	17.80 (6.83)	1.01 (0.39)	307 (118)	27.00 (8.77)	13.90 (4.50)	0.80 (0.26)	256 (83)
Mean	33.5	17.2	1.0	290.0	21.9	11.2	0.7	203.0
n	31	31	31	31	31	31	31	31
SD	7.9	4.1	0.2	67.0	6.5	3.3	0.2	60.7
Min	12.8	6.6	0.4	114.0	9.5	4.9	0.3	88.8
Max	41.9	21.5	1.2	363.0	32.4	16.6	1.0	297.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for February, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	36.60 (16.50)	18.80 (8.48)	1.06 (0.48)	324 (147)	26.30 (8.70)	13.50 (4.46)	0.78 (0.26)	248 (82)
2	32.40 (9.15)	16.60 (4.69)	0.94 (0.27)	288 (81)	26.50 (11.60)	13.60 (5.96)	0.79 (0.35)	250 (110)
3	26.10 (12.20)	13.40 (6.24)	0.76 (0.35)	234 (109)	19.50 (11.00)	9.99 (5.62)	0.58 (0.33)	184 (103)
4	14.30 (17.80)	7.31 (9.15)	0.42 (0.52)	128 (160)	9.71 (15.50)	4.98 (7.93)	0.29 (0.46)	91 (145)
5	27.80 (13.10)	14.30 (6.74)	0.81 (0.38)	250 (118)	22.70 (9.85)	11.70 (5.05)	0.68 (0.29)	214 (93)
6	24.10 (10.90)	12.40 (5.60)	0.70 (0.32)	218 (99)	21.00 (8.01)	10.80 (4.11)	0.63 (0.24)	197 (75)
7	41.70 (15.60)	21.40 (8.02)	1.21 (0.46)	377 (142)	33.70 (8.93)	17.30 (4.58)	1.00 (0.27)	315 (84)
8	31.10 (11.10)	15.90 (5.71)	0.91 (0.33)	282 (101)	29.90 (12.10)	15.30 (6.20)	0.89 (0.36)	279 (113)
9	34.60 (9.57)	17.80 (4.91)	1.01 (0.28)	314 (87)	30.40 (10.60)	15.60 (5.46)	0.91 (0.32)	284 (100)
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
Mean	29.9	15.3	0.9	268.0	24.4	12.5	0.7	229.0
n	9	9	9	9	9	9	9	9
SD	7.5	3.9	0.2	67.9	6.8	3.5	0.2	63.3
Min	14.3	7.3	0.4	128.0	9.7	5.0	0.3	91.3
Max	41.7	21.4	1.2	377.0	33.7	17.3	1.0	315.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for March, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	58.70 (9.68)	30.10 (4.96)	1.73 (0.29)	518 (85)	30.10 (7.88)	15.40 (4.04)	0.90 (0.24)	277 (73)
13	50.00 (16.20)	25.60 (8.33)	1.47 (0.48)	441 (143)	34.30 (9.56)	17.60 (4.90)	1.03 (0.29)	315 (88)
14	57.60 (15.60)	29.50 (7.98)	1.70 (0.46)	509 (137)	42.30 (10.90)	21.70 (5.58)	1.27 (0.33)	389 (100)
15	47.40 (23.70)	24.30 (12.20)	1.40 (0.70)	419 (210)	31.80 (12.60)	16.30 (6.48)	0.95 (0.38)	292 (116)
16	49.00 (18.30)	25.10 (9.40)	1.45 (0.54)	435 (162)	42.60 (13.80)	21.80 (7.05)	1.28 (0.41)	392 (127)
17	53.20 (26.30)	27.30 (13.50)	1.57 (0.78)	473 (234)	45.90 (24.40)	23.60 (12.50)	1.38 (0.73)	423 (224)
18	49.60 (27.60)	25.40 (14.20)	1.46 (0.82)	441 (246)	38.90 (17.40)	20.00 (8.92)	1.17 (0.52)	359 (160)
19	39.80 (14.30)	20.40 (7.31)	1.18 (0.42)	355 (127)	31.20 (13.50)	16.00 (6.91)	0.94 (0.40)	288 (124)
20	52.80 (20.50)	27.10 (10.50)	1.56 (0.61)	472 (183)	37.80 (20.00)	19.40 (10.30)	1.13 (0.60)	348 (185)
21	51.40 (17.90)	26.40 (9.16)	1.52 (0.53)	460 (160)	42.50 (17.50)	21.80 (8.96)	1.28 (0.53)	391 (161)
22	53.70 (27.70)	27.50 (14.20)	1.59 (0.82)	480 (248)	46.30 (18.00)	23.70 (9.25)	1.39 (0.54)	424 (165)
23	44.70 (13.50)	22.90 (6.92)	1.32 (0.40)	399 (121)	37.80 (13.50)	19.40 (6.92)	1.14 (0.41)	345 (123)
24	34.20 (7.59)	17.50 (3.89)	1.01 (0.22)	305 (68)	29.60 (10.30)	15.20 (5.26)	0.89 (0.31)	270 (93)
25	38.20 (15.90)	19.60 (8.14)	1.13 (0.47)	341 (142)	26.00 (12.10)	13.30 (6.18)	0.78 (0.36)	236 (109)
26	44.30 (18.20)	22.70 (9.33)	1.31 (0.54)	395 (162)	32.00 (18.00)	16.40 (9.25)	0.96 (0.54)	290 (163)
27	33.50 (13.60)	17.20 (6.97)	0.99 (0.40)	298 (121)	21.20 (9.98)	10.90 (5.12)	0.64 (0.30)	191 (90)
28	38.50 (16.60)	19.70 (8.54)	1.14 (0.49)	343 (148)	27.10 (10.40)	13.90 (5.34)	0.81 (0.31)	244 (94)
29	30.80 (11.50)	15.80 (5.88)	0.91 (0.34)	273 (102)	21.50 (11.20)	11.00 (5.73)	0.65 (0.34)	194 (101)
30	27.40 (8.37)	14.10 (4.29)	0.81 (0.25)	243 (74)	20.40 (8.31)	10.40 (4.26)	0.61 (0.25)	184 (75)
31	28.80 (11.60)	14.80 (5.93)	0.85 (0.34)	255 (103)	21.90 (11.30)	11.20 (5.81)	0.66 (0.34)	198 (103)
Mean	44.2	22.7	1.3	393.0	33.0	16.9	1.0	302.0
n	20	20	20	20	20	20	20	20
SD	9.5	4.9	0.3	83.6	8.2	4.2	0.3	77.1
Min	27.4	14.1	0.8	243.0	20.4	10.4	0.6	184.0
Max	58.7	30.1	1.7	518.0	46.3	23.7	1.4	424.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for April, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	29.90 (11.30)	15.30 (5.79)	0.89 (0.33)	264 (100)	18.90 (10.10)	9.68 (5.20)	0.57 (0.31)	171 (92)
2	26.40 (10.10)	13.50 (5.19)	0.78 (0.30)	234 (90)	14.80 (5.75)	7.59 (2.95)	0.45 (0.17)	135 (52)
3	29.60 (10.20)	15.20 (5.21)	0.88 (0.30)	261 (90)	28.50 (9.83)	14.60 (5.04)	0.86 (0.30)	260 (90)
4	27.10 (8.53)	13.90 (4.37)	0.80 (0.25)	239 (75)	24.70 (7.91)	12.70 (4.06)	0.75 (0.24)	226 (72)
5	8.93 (9.97)	4.58 (5.11)	0.27 (0.30)	79 (88)	5.53 (12.80)	2.84 (6.55)	0.17 (0.39)	50 (116)
6	21.70 (9.67)	11.10 (4.96)	0.64 (0.29)	191 (85)	13.00 (5.09)	6.69 (2.61)	0.39 (0.15)	119 (46)
7	25.30 (7.78)	13.00 (3.99)	0.75 (0.23)	223 (69)	19.70 (8.84)	10.10 (4.53)	0.59 (0.27)	180 (80)
8	28.50 (9.85)	14.60 (5.05)	0.85 (0.29)	251 (87)	28.00 (13.40)	14.40 (6.85)	0.84 (0.40)	255 (121)
9	33.80 (11.10)	17.40 (5.68)	1.01 (0.33)	298 (98)	25.70 (6.27)	13.20 (3.22)	0.77 (0.19)	233 (57)
10	39.10 (14.60)	20.10 (7.50)	1.16 (0.44)	344 (129)	23.90 (8.49)	12.30 (4.35)	0.72 (0.26)	217 (77)
11	35.60 (14.70)	18.30 (7.52)	1.06 (0.44)	314 (129)	21.60 (8.34)	11.10 (4.28)	0.65 (0.25)	196 (76)
12	34.30 (13.70)	17.60 (7.01)	1.02 (0.41)	303 (121)	18.90 (7.28)	9.68 (3.73)	0.57 (0.22)	171 (66)
13	31.90 (12.50)	16.40 (6.43)	0.95 (0.37)	283 (111)	18.80 (7.15)	9.65 (3.67)	0.57 (0.22)	171 (65)
14	24.30 (10.70)	12.40 (5.50)	0.72 (0.32)	216 (95)	13.40 (5.53)	6.86 (2.84)	0.40 (0.17)	122 (50)
15	25.00 (9.79)	12.80 (5.02)	0.75 (0.29)	223 (87)	12.40 (5.72)	6.35 (2.93)	0.37 (0.17)	112 (52)
16	26.40 (10.30)	13.60 (5.27)	0.79 (0.31)	236 (92)				
17	27.90 (10.00)	14.30 (5.14)	0.83 (0.30)	250 (90)	17.00 (5.06)	8.73 (2.60)	0.51 (0.15)	155 (46)
18	30.30 (10.40)	15.60 (5.33)	0.90 (0.31)	272 (93)	15.80 (5.40)	8.10 (2.77)	0.48 (0.16)	144 (49)
19	30.00 (9.62)	15.40 (4.93)	0.89 (0.29)	268 (86)	19.20 (9.83)	9.85 (5.04)	0.58 (0.30)	175 (90)
20	38.50 (21.10)	19.80 (10.80)	1.15 (0.63)	345 (189)	20.60 (10.50)	10.60 (5.39)	0.62 (0.32)	188 (96)
21	35.90 (13.70)	18.40 (7.02)	1.07 (0.41)	321 (122)	19.60 (7.79)	10.00 (4.00)	0.59 (0.24)	179 (71)
22	39.70 (16.80)	20.30 (8.61)	1.18 (0.50)	354 (150)	23.00 (8.41)	11.80 (4.31)	0.69 (0.25)	210 (77)
23	25.50 (9.73)	13.10 (4.99)	0.76 (0.29)	227 (87)	10.20 (3.60)	5.22 (1.85)	0.31 (0.11)	93 (33)
24	18.60 (8.57)	9.55 (4.40)	0.56 (0.26)	166 (76)	7.40 (4.68)	3.79 (2.40)	0.22 (0.14)	68 (43)
25	25.40 (12.70)	13.00 (6.52)	0.76 (0.38)	226 (113)	16.20 (7.30)	8.30 (3.74)	0.49 (0.22)	148 (67)
26	25.60 (13.00)	13.10 (6.69)	0.77 (0.39)	228 (116)	13.50 (5.85)	6.93 (3.00)	0.41 (0.18)	124 (54)
27	18.30 (6.60)	9.41 (3.39)	0.55 (0.20)	163 (59)	10.30 (4.03)	5.28 (2.07)	0.31 (0.12)	94 (37)
28	20.50 (9.38)	10.50 (4.81)	0.61 (0.28)	182 (83)	11.30 (3.57)	5.81 (1.83)	0.34 (0.11)	103 (33)
29	20.10 (8.96)	10.30 (4.60)	0.60 (0.27)	178 (80)	11.10 (4.28)	5.67 (2.20)	0.33 (0.13)	101 (39)
30	16.40 (7.23)	8.41 (3.71)	0.49 (0.22)	146 (64)	15.10 (5.62)	7.75 (2.88)	0.46 (0.17)	138 (51)
Mean	27.4	14.0	0.8	243.0	17.2	8.8	0.5	156.0
n	30	30	30	30	29	29	29	29
SD	7.0	3.6	0.2	62.3	5.9	3.0	0.2	53.1
Min	8.9	4.6	0.3	78.8	5.5	2.8	0.2	50.4
Max	39.7	20.3	1.2	354.0	28.5	14.6	0.9	260.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for May, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	8.62 (2.95)	4.42 (1.51)	0.26 (0.09)	76 (26)	17.50 (6.25)	8.99 (3.20)	0.53 (0.19)	160 (57)
2	19.80 (7.85)	10.20 (4.02)	0.59 (0.24)	178 (70)	20.30 (8.24)	10.40 (4.23)	0.62 (0.25)	185 (75)
3	32.80 (13.50)	16.80 (6.94)	0.98 (0.41)	301 (124)	24.60 (9.86)	12.60 (5.05)	0.75 (0.30)	224 (90)
4	29.10 (17.20)	14.90 (8.80)	0.87 (0.52)	275 (163)	32.90 (14.90)	16.90 (7.63)	0.99 (0.45)	299 (136)
5	18.60 (8.36)	9.55 (4.28)	0.56 (0.25)	179 (80)	28.00 (10.40)	14.40 (5.31)	0.85 (0.31)	255 (94)
6	13.50 (5.61)	6.92 (2.88)	0.41 (0.17)	134 (56)	30.30 (10.70)	15.50 (5.48)	0.92 (0.32)	276 (97)
7	4.38 (2.91)	2.25 (1.49)	0.13 (0.09)	45 (30)	17.90 (7.97)	9.18 (4.09)	0.54 (0.24)	163 (73)
8	6.04 (2.69)	3.09 (1.38)	0.18 (0.08)	63 (28)	22.40 (8.50)	11.50 (4.36)	0.68 (0.26)	204 (78)
9	2.79 (4.75)	1.43 (2.43)	0.08 (0.14)	30 (50)	16.90 (8.24)	8.67 (4.23)	0.51 (0.25)	154 (75)
10	4.09 (3.59)	2.10 (1.84)	0.12 (0.11)	43 (38)	16.10 (7.77)	8.28 (3.98)	0.49 (0.24)	147 (71)
11	5.41 (4.72)	2.78 (2.42)	0.16 (0.14)	57 (50)	15.20 (8.23)	7.78 (4.22)	0.46 (0.25)	139 (75)
12	2.37 (3.06)	1.22 (1.57)	0.07 (0.09)	25 (33)	11.00 (6.50)	5.67 (3.33)	0.34 (0.20)	101 (60)
13	1.60 (2.46)	0.82 (1.26)	0.05 (0.07)	17 (26)	12.00 (5.47)	6.15 (2.81)	0.36 (0.17)	110 (50)
14	3.54 (3.23)	1.82 (1.66)	0.11 (0.10)	38 (34)	14.90 (6.27)	7.64 (3.21)	0.45 (0.19)	137 (58)
15	3.38 (2.94)	1.73 (1.51)	0.10 (0.09)	36 (31)	18.60 (8.19)	9.53 (4.20)	0.56 (0.25)	171 (75)
16	8.72 (11.50)	4.47 (5.92)	0.26 (0.35)	93 (123)	26.80 (9.71)	13.70 (4.98)	0.81 (0.29)	246 (89)
17	-6.13 (7.61)	-3.14 (3.91)	-0.19 (0.23)	-67 (83)	14.40 (9.77)	7.40 (5.01)	0.44 (0.30)	133 (90)
18	5.67 (5.36)	2.91 (2.75)	0.17 (0.16)	63 (60)	20.80 (10.90)	10.70 (5.61)	0.63 (0.33)	192 (101)
19	-0.28 (4.16)	-0.14 (2.13)	-0.01 (0.13)	-3 (47)	11.90 (5.63)	6.10 (2.89)	0.36 (0.17)	110 (52)
20	2.81 (2.92)	1.44 (1.49)	0.08 (0.09)	32 (33)	10.70 (6.36)	5.49 (3.26)	0.33 (0.19)	99 (59)
21	2.47 (2.62)	1.27 (1.34)	0.07 (0.08)	29 (31)	10.30 (3.99)	5.26 (2.05)	0.31 (0.12)	95 (37)
22	2.13 (3.80)	1.09 (1.95)	0.06 (0.12)	25 (45)	11.40 (5.24)	5.83 (2.69)	0.35 (0.16)	105 (48)
23	6.29 (3.58)	3.23 (1.84)	0.19 (0.11)	75 (43)	15.00 (7.29)	7.70 (3.74)	0.46 (0.22)	139 (67)
24	2.68 (3.29)	1.38 (1.69)	0.08 (0.10)	32 (39)	11.80 (6.17)	6.05 (3.16)	0.36 (0.19)	109 (57)
25	-3.70 (5.08)	-1.90 (2.60)	-0.11 (0.15)	-44 (60)	7.88 (6.42)	4.04 (3.29)	0.24 (0.20)	73 (59)
26	3.69 (4.95)	1.89 (2.54)	0.11 (0.15)	43 (58)	16.90 (8.62)	8.66 (4.42)	0.51 (0.26)	155 (79)
27	3.36 (12.70)	1.72 (6.53)	0.10 (0.39)	39 (149)	20.20 (13.60)	10.40 (6.99)	0.61 (0.41)	186 (125)
28	7.08 (5.49)	3.63 (2.82)	0.21 (0.17)	82 (64)	18.50 (7.18)	9.51 (3.68)	0.56 (0.22)	170 (66)
29	3.41 (2.05)	1.75 (1.05)	0.10 (0.06)	40 (24)	16.30 (5.71)	8.37 (2.93)	0.50 (0.17)	149 (52)
30	1.50 (3.29)	0.77 (1.69)	0.05 (0.10)	17 (38)	15.10 (5.35)	7.75 (2.74)	0.46 (0.16)	138 (49)
31	5.17 (3.96)	2.65 (2.03)	0.16 (0.12)	59 (46)	15.80 (8.26)	8.10 (4.24)	0.48 (0.25)	145 (76)
Mean	6.5	3.3	0.2	64.9	17.5	9.0	0.5	160.0
n	31	31	31	31	31	31	31	31
SD	8.2	4.2	0.3	76.7	6.0	3.1	0.2	54.2
Min	-6.1	-3.1	-0.2	-66.6	7.9	4.0	0.2	72.6
Max	32.8	16.8	1.0	301.0	32.9	16.9	1.0	299.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for June, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	8.39 (4.38)	4.30 (2.24)	0.25 (0.13)	96 (50)	16.10 (6.62)	8.25 (3.39)	0.49 (0.20)	149 (61)
2	8.18 (3.69)	4.19 (1.89)	0.25 (0.11)	93 (42)	14.40 (4.64)	7.40 (2.38)	0.44 (0.14)	134 (43)
3	8.86 (4.32)	4.54 (2.22)	0.27 (0.13)	100 (49)	15.50 (6.26)	7.95 (3.21)	0.47 (0.19)	144 (58)
4	13.00 (4.87)	6.65 (2.50)	0.39 (0.15)	146 (55)	12.60 (5.93)	6.49 (3.04)	0.38 (0.18)	118 (55)
5	17.50 (4.92)	8.97 (2.52)	0.53 (0.15)	197 (55)	13.10 (6.12)	6.73 (3.14)	0.40 (0.19)	123 (57)
6	26.10 (8.70)	13.40 (4.46)	0.79 (0.26)	291 (97)	15.10 (6.24)	7.74 (3.20)	0.46 (0.19)	142 (59)
7	32.10 (10.80)	16.50 (5.56)	0.97 (0.33)	352 (119)	14.10 (5.83)	7.24 (2.99)	0.43 (0.18)	132 (55)
8	32.60 (10.50)	16.70 (5.36)	0.99 (0.32)	354 (114)	15.90 (7.10)	8.15 (3.64)	0.48 (0.22)	149 (67)
9	27.10 (7.14)	13.90 (3.66)	0.82 (0.22)	290 (76)	10.70 (3.94)	5.51 (2.02)	0.33 (0.12)	101 (37)
10	33.60 (10.70)	17.20 (5.46)	1.02 (0.32)	355 (112)	11.80 (3.87)	6.03 (1.99)	0.36 (0.12)	110 (36)
11	38.40 (10.60)	19.70 (5.42)	1.16 (0.32)	400 (110)	12.80 (5.04)	6.57 (2.58)	0.39 (0.15)	120 (47)
12	41.50 (16.40)	21.30 (8.43)	1.26 (0.50)	427 (170)	14.50 (4.99)	7.46 (2.56)	0.44 (0.15)	136 (47)
13	45.50 (19.20)	23.30 (9.87)	1.38 (0.58)	466 (197)	18.10 (7.58)	9.29 (3.89)	0.55 (0.23)	169 (71)
14	39.80 (17.90)	20.40 (9.20)	1.21 (0.54)	407 (183)	13.60 (6.56)	6.95 (3.36)	0.41 (0.20)	127 (61)
15	46.70 (22.80)	24.00 (11.70)	1.42 (0.69)	476 (232)	14.50 (7.53)	7.43 (3.86)	0.44 (0.23)	135 (70)
16	50.70 (19.80)	26.00 (10.20)	1.54 (0.60)	516 (202)	14.90 (6.88)	7.65 (3.53)	0.45 (0.21)	139 (64)
17	60.60 (26.50)	31.10 (13.60)	1.84 (0.80)	615 (269)	16.30 (5.89)	8.37 (3.02)	0.50 (0.18)	153 (55)
18	73.00 (29.30)	37.40 (15.00)	2.21 (0.89)	740 (297)	13.70 (6.18)	7.01 (3.17)	0.42 (0.19)	128 (58)
19	77.50 (35.40)	39.80 (18.20)	2.35 (1.07)	784 (359)	16.80 (8.31)	8.63 (4.26)	0.51 (0.25)	157 (78)
20	64.70 (33.00)	33.20 (16.90)	1.96 (1.00)	655 (334)	14.20 (4.83)	7.30 (2.48)	0.43 (0.15)	133 (45)
21	68.40 (27.10)	35.10 (13.90)	2.07 (0.82)	693 (275)	13.50 (5.50)	6.93 (2.82)	0.41 (0.17)	126 (51)
22	70.60 (26.50)	36.20 (13.60)	2.14 (0.80)	718 (269)	10.30 (5.45)	5.30 (2.80)	0.32 (0.17)	97 (51)
23	71.70 (36.10)	36.80 (18.50)	2.17 (1.10)	730 (368)	10.20 (16.30)	5.21 (8.36)	0.31 (0.50)	95 (153)
24	77.40 (31.60)	39.70 (16.20)	2.35 (0.96)	790 (322)	13.50 (11.00)	6.93 (5.63)	0.41 (0.34)	126 (103)
25	75.10 (30.60)	38.50 (15.70)	2.28 (0.93)	767 (313)	15.50 (5.65)	7.95 (2.90)	0.47 (0.17)	145 (53)
26	64.90 (25.50)	33.30 (13.10)	1.97 (0.77)	665 (261)	9.49 (6.23)	4.87 (3.20)	0.29 (0.19)	89 (58)
27	77.50 (30.00)	39.70 (15.40)	2.35 (0.91)	790 (305)	12.30 (9.90)	6.30 (5.08)	0.38 (0.30)	115 (93)
28	111.00 (40.80)	57.10 (20.90)	3.38 (1.24)	1120 (412)	30.40 (17.90)	15.60 (9.15)	0.93 (0.55)	284 (167)
29	94.30 (41.50)	48.40 (21.30)	2.86 (1.26)	940 (414)	19.30 (11.10)	9.91 (5.71)	0.59 (0.34)	181 (104)
30	76.00 (25.90)	39.00 (13.30)	2.31 (0.79)	749 (255)	12.60 (5.24)	6.46 (2.69)	0.39 (0.16)	118 (49)
Mean	51.1	26.2	1.6	524.0	14.5	7.5	0.4	136.0
n	30	30	30	30	30	30	30	30
SD	26.8	13.7	0.8	264.0	3.7	1.9	0.1	34.4
Min	8.2	4.2	0.3	93.1	9.5	4.9	0.3	88.9
Max	111.0	57.1	3.4	1120.0	30.4	15.6	0.9	284.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for July, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	79.70 (29.30)	40.90 (15.00)	2.42 (0.89)	778 (286)	14.60 (5.25)	7.49 (2.69)	0.45 (0.16)	136 (49)
2	82.90 (33.20)	42.50 (17.00)	2.52 (1.01)	799 (320)	17.80 (8.14)	9.15 (4.17)	0.55 (0.25)	166 (76)
3	81.50 (32.80)	41.80 (16.80)	2.47 (1.00)	777 (313)	14.90 (8.29)	7.64 (4.25)	0.46 (0.25)	139 (77)
4	80.20 (32.80)	41.10 (16.80)	2.43 (1.00)	757 (309)	17.90 (6.40)	9.15 (3.28)	0.55 (0.20)	167 (60)
5	84.40 (37.70)	43.30 (19.30)	2.56 (1.15)	790 (354)	17.00 (5.72)	8.70 (2.93)	0.52 (0.18)	159 (54)
6	74.00 (33.10)	37.90 (17.00)	2.25 (1.01)	685 (307)	19.10 (7.91)	9.79 (4.05)	0.58 (0.24)	179 (74)
7	60.10 (24.10)	30.80 (12.40)	1.83 (0.73)	551 (221)	12.50 (4.51)	6.41 (2.31)	0.38 (0.14)	117 (42)
8	66.40 (30.00)	34.00 (15.40)	2.02 (0.91)	604 (273)	12.90 (5.22)	6.62 (2.68)	0.40 (0.16)	121 (49)
9	66.30 (28.00)	34.00 (14.40)	2.02 (0.85)	598 (252)	12.70 (7.09)	6.51 (3.63)	0.39 (0.22)	120 (67)
10	66.60 (28.30)	34.10 (14.50)	2.02 (0.86)	594 (253)	13.50 (7.08)	6.94 (3.63)	0.42 (0.22)	128 (67)
11	64.80 (24.20)	33.20 (12.40)	1.97 (0.74)	575 (215)	8.70 (4.12)	4.46 (2.11)	0.27 (0.13)	82 (39)
12	65.90 (31.50)	33.80 (16.10)	2.00 (0.96)	583 (279)	11.60 (5.31)	5.96 (2.72)	0.36 (0.16)	109 (50)
13	71.80 (35.10)	36.80 (18.00)	2.19 (1.07)	635 (310)	15.30 (5.89)	7.84 (3.02)	0.47 (0.18)	143 (55)
14	72.80 (33.50)	37.30 (17.20)	2.21 (1.02)	642 (295)	20.20 (13.50)	10.30 (6.92)	0.62 (0.41)	188 (126)
15	73.20 (36.60)	37.60 (18.80)	2.23 (1.11)	644 (322)	22.90 (13.30)	11.70 (6.84)	0.70 (0.41)	213 (124)
16	72.40 (30.40)	37.10 (15.60)	2.20 (0.93)	636 (267)	19.70 (8.70)	10.10 (4.46)	0.60 (0.27)	183 (81)
17	71.50 (37.30)	36.70 (19.10)	2.18 (1.13)	626 (326)	17.90 (15.10)	9.20 (7.72)	0.55 (0.46)	166 (139)
18	73.60 (23.90)	37.80 (12.30)	2.24 (0.73)	644 (209)	23.10 (10.40)	11.80 (5.34)	0.71 (0.32)	213 (96)
19	75.00 (28.90)	38.50 (14.80)	2.28 (0.88)	655 (253)	20.50 (15.40)	10.50 (7.88)	0.63 (0.47)	189 (142)
20	67.10 (32.40)	34.40 (16.60)	2.04 (0.99)	586 (283)	11.70 (9.69)	6.01 (4.97)	0.36 (0.30)	108 (89)
21	59.40 (32.70)	30.50 (16.80)	1.81 (1.00)	519 (286)	13.00 (11.30)	6.68 (5.78)	0.40 (0.35)	119 (103)
22	56.90 (28.90)	29.20 (14.80)	1.73 (0.88)	496 (252)	12.40 (11.20)	6.38 (5.73)	0.38 (0.34)	114 (102)
23	63.00 (26.50)	32.30 (13.60)	1.92 (0.81)	549 (231)	13.60 (8.18)	6.96 (4.19)	0.42 (0.25)	124 (75)
24	79.10 (38.30)	40.60 (19.60)	2.41 (1.17)	689 (333)	19.40 (8.48)	9.93 (4.35)	0.60 (0.26)	176 (77)
25	72.20 (37.70)	37.00 (19.40)	2.20 (1.15)	629 (329)	19.90 (10.30)	10.20 (5.27)	0.61 (0.32)	181 (93)
26	120.00 (55.80)	61.60 (28.60)	3.66 (1.70)	1040 (485)	21.20 (8.38)	10.90 (4.30)	0.65 (0.26)	193 (76)
27	122.00 (33.70)	62.60 (17.30)	3.72 (1.03)	1060 (293)	21.80 (9.14)	11.20 (4.69)	0.67 (0.28)	197 (83)
28	99.30 (25.30)	50.90 (13.00)	3.03 (0.77)	863 (220)	29.00 (16.20)	14.90 (8.29)	0.89 (0.50)	263 (147)
29	84.70 (33.90)	43.40 (17.40)	2.58 (1.03)	735 (295)	25.60 (7.05)	13.10 (3.62)	0.79 (0.22)	232 (64)
30	80.00 (36.50)	41.10 (18.70)	2.44 (1.11)	694 (317)	32.20 (13.30)	16.50 (6.83)	0.99 (0.41)	291 (121)
31	71.70 (30.10)	36.80 (15.40)	2.19 (0.92)	621 (261)	33.00 (11.00)	16.90 (5.63)	1.01 (0.34)	299 (99)
Mean	76.1	39.0	2.3	679.0	18.2	9.4	0.6	168.0
n	31	31	31	31	31	31	31	31
SD	14.6	7.5	0.5	130.0	5.9	3.0	0.2	52.5
Min	56.9	29.2	1.7	496.0	8.7	4.5	0.3	82.1
Max	122.0	62.6	3.7	1060.0	33.0	16.9	1.0	299.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for August, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	62.90 (25.30)	32.20 (13.00)	1.92 (0.77)	545 (219)	26.60 (9.64)	13.60 (4.95)	0.82 (0.30)	240 (87)
2	59.10 (23.10)	30.30 (11.90)	1.80 (0.71)	512 (200)	26.30 (12.80)	13.50 (6.56)	0.81 (0.39)	238 (116)
3	59.30 (21.80)	30.40 (11.20)	1.81 (0.67)	514 (189)	24.90 (8.07)	12.80 (4.14)	0.77 (0.25)	226 (73)
4	65.90 (38.10)	33.80 (19.50)	2.01 (1.16)	571 (330)	27.70 (12.00)	14.20 (6.16)	0.85 (0.37)	251 (109)
5	59.80 (24.70)	30.70 (12.70)	1.82 (0.75)	518 (214)	26.20 (7.97)	13.50 (4.09)	0.81 (0.25)	239 (72)
6	51.30 (26.40)	26.30 (13.50)	1.57 (0.81)	445 (229)	25.40 (11.50)	13.00 (5.90)	0.78 (0.35)	231 (105)
7	56.20 (25.10)	28.80 (12.90)	1.71 (0.77)	487 (217)	30.20 (12.90)	15.50 (6.59)	0.93 (0.40)	275 (117)
8	61.60 (30.60)	31.60 (15.70)	1.88 (0.93)	534 (265)	30.70 (13.40)	15.80 (6.88)	0.95 (0.41)	280 (122)
9	50.40 (21.90)	25.80 (11.20)	1.54 (0.67)	437 (190)	24.10 (13.10)	12.30 (6.70)	0.74 (0.40)	219 (119)
10	38.40 (28.10)	19.70 (14.40)	1.17 (0.86)	333 (245)	5.55 (21.30)	2.85 (10.90)	0.17 (0.66)	51 (194)
11	56.60 (24.30)	29.00 (12.50)	1.73 (0.74)	493 (212)	27.00 (11.00)	13.80 (5.66)	0.83 (0.34)	246 (101)
12	68.80 (23.30)	35.30 (12.00)	2.10 (0.71)	599 (203)	32.40 (9.95)	16.60 (5.10)	1.00 (0.31)	297 (91)
13	63.50 (29.90)	32.60 (15.30)	1.94 (0.91)	554 (261)	29.30 (13.60)	15.00 (6.99)	0.90 (0.42)	268 (125)
14	46.30 (17.70)	23.70 (9.09)	1.41 (0.54)	404 (155)	21.70 (8.68)	11.10 (4.45)	0.67 (0.27)	199 (80)
15	47.10 (21.20)	24.20 (10.80)	1.44 (0.65)	411 (185)	20.90 (11.40)	10.70 (5.87)	0.65 (0.35)	192 (105)
16	41.20 (18.60)	21.10 (9.56)	1.26 (0.57)	359 (162)	19.20 (13.50)	9.86 (6.92)	0.59 (0.42)	176 (124)
17	40.80 (22.30)	20.90 (11.40)	1.25 (0.68)	355 (194)	17.20 (11.70)	8.81 (5.99)	0.53 (0.36)	157 (107)
18	49.10 (22.20)	25.20 (11.40)	1.50 (0.68)	426 (193)	25.00 (10.80)	12.80 (5.55)	0.77 (0.33)	228 (99)
19	52.60 (19.80)	27.00 (10.20)	1.61 (0.61)	457 (172)	32.20 (11.00)	16.50 (5.65)	0.99 (0.34)	294 (100)
20	70.60 (60.70)	36.20 (31.10)	2.16 (1.86)	612 (526)	28.80 (10.20)	14.80 (5.24)	0.89 (0.32)	263 (93)
21	72.70 (33.40)	37.30 (17.10)	2.23 (1.02)	629 (289)	41.60 (17.70)	21.30 (9.06)	1.28 (0.55)	378 (161)
22	28.40 (30.20)	14.60 (15.50)	0.87 (0.92)	246 (261)				
23	44.50 (18.20)	22.80 (9.33)	1.36 (0.56)	386 (158)	24.10 (15.80)	12.40 (8.12)	0.75 (0.49)	220 (144)
24	45.70 (14.60)	23.40 (7.46)	1.40 (0.45)	398 (127)	58.30 (86.40)	29.90 (44.30)	1.80 (2.67)	531 (786)
25	49.80 (14.60)	25.50 (7.48)	1.52 (0.45)	434 (127)	23.10 (9.68)	11.90 (4.96)	0.71 (0.30)	211 (88)
26	46.80 (14.40)	24.00 (7.40)	1.43 (0.44)	410 (126)	20.70 (11.70)	10.60 (6.02)	0.64 (0.36)	189 (107)
27	58.50 (22.50)	30.00 (11.50)	1.79 (0.69)	514 (197)	26.90 (9.06)	13.80 (4.65)	0.83 (0.28)	245 (83)
28	67.30 (29.40)	34.50 (15.10)	2.06 (0.90)	592 (258)	36.40 (15.80)	18.60 (8.11)	1.12 (0.49)	333 (145)
29	72.20 (28.10)	37.00 (14.40)	2.21 (0.86)	636 (248)	31.70 (14.30)	16.30 (7.31)	0.98 (0.44)	290 (130)
30	66.80 (19.70)	34.30 (10.10)	2.05 (0.60)	590 (174)	38.20 (22.50)	19.60 (11.60)	1.18 (0.70)	350 (206)
31								
Mean	55.1	28.3	1.7	480.0	27.7	14.2	0.9	252.0
n	30	30	30	30	29	29	29	29
SD	10.9	5.6	0.3	95.7	8.9	4.5	0.3	80.6
Min	28.4	14.6	0.9	246.0	5.6	2.9	0.2	50.8
Max	72.7	37.3	2.2	636.0	58.3	29.9	1.8	531.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for September, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1								
2								
3								
4								
5	63.80 (20.70)	32.70 (10.60)	1.96 (0.64)	567 (184)	43.50 (15.60)	22.30 (8.01)	1.35 (0.49)	398 (143)
6	54.50 (18.10)	28.00 (9.26)	1.68 (0.56)	485 (161)	37.70 (13.50)	19.40 (6.95)	1.17 (0.42)	346 (124)
7	59.90 (20.70)	30.70 (10.60)	1.84 (0.64)	534 (185)	45.50 (18.70)	23.30 (9.61)	1.41 (0.58)	419 (173)
8	46.00 (17.40)	23.60 (8.93)	1.41 (0.54)	411 (155)	36.00 (17.00)	18.50 (8.73)	1.12 (0.53)	333 (157)
9	45.50 (20.40)	23.30 (10.40)	1.40 (0.63)	407 (182)	26.60 (16.70)	13.60 (8.54)	0.83 (0.52)	247 (155)
10	61.60 (21.90)	31.60 (11.20)	1.89 (0.67)	552 (196)	41.00 (20.10)	21.00 (10.30)	1.27 (0.62)	381 (187)
11								
12	56.60 (21.60)	29.00 (11.10)	1.74 (0.66)	510 (194)	39.10 (18.30)	20.10 (9.37)	1.21 (0.57)	366 (171)
13	60.10 (23.90)	30.80 (12.30)	1.85 (0.74)	542 (216)	43.60 (17.30)	22.40 (8.86)	1.35 (0.54)	408 (162)
14	63.60 (26.10)	32.60 (13.40)	1.96 (0.80)	576 (236)	54.10 (20.60)	27.70 (10.60)	1.68 (0.64)	506 (193)
15	72.60 (25.40)	37.20 (13.00)	2.23 (0.78)	659 (230)	62.40 (23.50)	32.00 (12.00)	1.94 (0.73)	584 (220)
16	75.80 (32.40)	38.90 (16.60)	2.33 (1.00)	690 (295)	59.30 (21.60)	30.40 (11.10)	1.84 (0.67)	556 (202)
17	81.10 (36.30)	41.60 (18.60)	2.50 (1.12)	740 (331)	59.10 (23.20)	30.30 (11.90)	1.84 (0.72)	553 (217)
18	71.50 (34.80)	36.60 (17.90)	2.20 (1.07)	654 (319)	52.40 (21.30)	26.90 (10.90)	1.63 (0.66)	491 (199)
19	69.80 (17.00)	35.80 (8.70)	2.15 (0.52)	640 (155)	51.30 (13.40)	26.30 (6.88)	1.60 (0.42)	480 (126)
20	72.90 (29.50)	37.40 (15.10)	2.24 (0.91)	667 (270)	58.40 (26.90)	29.90 (13.80)	1.82 (0.84)	545 (250)
21	69.70 (25.50)	35.70 (13.10)	2.15 (0.79)	637 (233)	53.30 (17.80)	27.30 (9.15)	1.66 (0.56)	497 (166)
22	65.00 (35.60)	33.30 (18.30)	2.00 (1.10)	594 (325)	59.10 (38.60)	30.30 (19.80)	1.84 (1.20)	549 (358)
23	66.30 (30.10)	34.00 (15.40)	2.04 (0.93)	605 (275)	54.60 (26.00)	28.00 (13.40)	1.70 (0.81)	506 (241)
24	60.00 (25.80)	30.80 (13.20)	1.85 (0.80)	548 (235)	54.20 (24.40)	27.80 (12.50)	1.69 (0.76)	502 (226)
25	55.00 (31.90)	28.20 (16.30)	1.70 (0.98)	502 (291)	37.90 (24.10)	19.40 (12.30)	1.18 (0.75)	350 (222)
26	31.40 (31.90)	16.10 (16.40)	0.97 (0.98)	286 (291)	15.40 (43.00)	7.87 (22.10)	0.48 (1.34)	142 (397)
27	33.50 (13.80)	17.20 (7.09)	1.03 (0.43)	305 (126)	28.80 (19.20)	14.80 (9.82)	0.90 (0.60)	266 (177)
28	41.30 (21.70)	21.20 (11.10)	1.27 (0.67)	377 (198)	30.30 (15.70)	15.60 (8.06)	0.95 (0.49)	280 (145)
29	22.70 (10.40)	11.70 (5.35)	0.70 (0.32)	207 (95)	24.50 (10.80)	12.60 (5.53)	0.77 (0.34)	227 (100)
30	14.60 (8.40)	7.48 (4.31)	0.45 (0.26)	133 (77)	18.60 (11.10)	9.53 (5.67)	0.58 (0.35)	172 (102)
Mean	56.6	29.0	1.7	513.0	43.5	22.3	1.4	404.0
n	25	25	25	25	25	25	25	25
SD	16.7	8.6	0.5	152.0	13.4	6.9	0.4	126.0
Min	14.6	7.5	0.5	133.0	15.4	7.9	0.5	142.0
Max	81.1	41.6	2.5	740.0	62.4	32.0	1.9	584.0

Table E11. Daily means (SD) of H₂S emissions at Site CA2B for October, 2009.

Day	House 5				House 6			
	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹	g d ⁻¹	mg d ⁻¹ m ⁻²	mg d ⁻¹ hd ⁻¹	mg d ⁻¹ AU ⁻¹
1	17.00 (6.93)	8.70 (3.55)	0.52 (0.21)	155 (63)	21.50 (11.50)	11.00 (5.88)	0.67 (0.36)	199 (106)
2	8.40 (31.10)	4.31 (15.90)	0.26 (0.96)	77 (283)	20.70 (30.00)	10.60 (15.40)	0.65 (0.94)	192 (278)
3	18.20 (33.70)	9.32 (17.30)	0.56 (1.04)	166 (308)	13.20 (20.50)	6.77 (10.50)	0.41 (0.64)	123 (191)
4	25.80 (17.60)	13.30 (9.00)	0.80 (0.54)	236 (160)	23.90 (10.20)	12.30 (5.22)	0.75 (0.32)	221 (94)
5	8.14 (16.30)	4.17 (8.35)	0.25 (0.50)	74 (148)	15.40 (17.30)	7.89 (8.88)	0.48 (0.54)	142 (160)
6	28.30 (10.10)	14.50 (5.19)	0.88 (0.31)	258 (92)	25.40 (11.30)	13.00 (5.80)	0.80 (0.35)	235 (104)
7	27.30 (16.40)	14.00 (8.42)	0.85 (0.51)	248 (149)	34.10 (17.70)	17.50 (9.09)	1.07 (0.56)	314 (163)
8	33.30 (10.60)	17.10 (5.43)	1.03 (0.33)	302 (96)	34.30 (11.80)	17.60 (6.05)	1.07 (0.37)	315 (108)
9	47.60 (20.60)	24.40 (10.60)	1.47 (0.64)	431 (187)	41.20 (17.80)	21.10 (9.12)	1.29 (0.56)	378 (163)
10	46.50 (21.30)	23.80 (10.90)	1.44 (0.66)	421 (193)	36.60 (12.60)	18.80 (6.45)	1.15 (0.40)	336 (115)
11	42.40 (17.40)	21.70 (8.92)	1.31 (0.54)	384 (158)	36.40 (15.30)	18.70 (7.83)	1.15 (0.48)	336 (141)
12	29.80 (12.00)	15.30 (6.16)	0.92 (0.37)	270 (109)	38.10 (13.30)	19.50 (6.80)	1.20 (0.42)	353 (123)
13					43.40 (14.90)	22.20 (7.64)	1.37 (0.47)	404 (139)
14					46.20 (13.50)	23.70 (6.91)	1.47 (0.43)	432 (126)
15	92.60 (42.00)	47.50 (21.50)	2.87 (1.30)	840 (381)	50.30 (20.80)	25.80 (10.70)	1.60 (0.66)	472 (195)
16	47.00 (26.40)	24.10 (13.50)	1.46 (0.82)	426 (239)	21.20 (26.10)	10.90 (13.40)	0.68 (0.83)	200 (246)
17	54.40 (29.60)	27.90 (15.20)	1.69 (0.92)	494 (269)	41.90 (21.40)	21.50 (11.00)	1.34 (0.69)	397 (203)
18	69.90 (37.40)	35.80 (19.20)	2.17 (1.16)	636 (340)	49.70 (19.10)	25.50 (9.81)	1.59 (0.61)	473 (182)
19	39.20 (16.10)	20.10 (8.24)	1.22 (0.50)	358 (147)	38.20 (14.70)	19.60 (7.54)	1.23 (0.47)	366 (141)
20	32.40 (24.20)	16.60 (12.40)	1.01 (0.75)	297 (222)	31.20 (17.80)	16.00 (9.14)	1.01 (0.58)	301 (172)
21	44.00 (20.10)	22.60 (10.30)	1.37 (0.63)	405 (185)	36.40 (19.70)	18.70 (10.10)	1.18 (0.64)	354 (191)
22	46.80 (20.00)	24.00 (10.30)	1.46 (0.62)	432 (185)	36.60 (13.20)	18.80 (6.76)	1.19 (0.43)	359 (129)
23	52.30 (23.30)	26.80 (11.90)	1.63 (0.72)	484 (215)	48.50 (26.20)	24.90 (13.40)	1.59 (0.86)	478 (258)
24	50.30 (24.10)	25.80 (12.40)	1.57 (0.75)	466 (223)	39.10 (16.40)	20.00 (8.42)	1.29 (0.54)	389 (164)
25	43.40 (31.10)	22.30 (15.90)	1.35 (0.97)	402 (288)	30.50 (19.10)	15.70 (9.80)	1.01 (0.63)	308 (193)
26	48.40 (18.20)	24.80 (9.31)	1.51 (0.57)	448 (168)	32.90 (12.50)	16.90 (6.43)	1.09 (0.42)	338 (129)
27	42.60 (15.50)	21.80 (7.97)	1.33 (0.48)	394 (144)	19.60 (7.63)	10.10 (3.91)	0.66 (0.26)	205 (80)
28	40.60 (17.10)	20.80 (8.79)	1.27 (0.53)	376 (158)	23.60 (12.20)	12.10 (6.28)	0.80 (0.41)	251 (130)
29	40.20 (13.70)	20.60 (7.05)	1.25 (0.43)	371 (127)	21.80 (8.76)	11.20 (4.49)	0.74 (0.30)	235 (95)
30								
31								
Mean	39.9	20.5	1.2	365.0	32.8	16.8	1.1	314.0
n	27	27	27	27	29	29	29	29
SD	17.4	8.9	0.5	158.0	10.3	5.3	0.3	96.4
Min	8.1	4.2	0.3	74.1	13.2	6.8	0.4	123.0
Max	92.6	47.5	2.9	840.0	50.3	25.8	1.6	478.0

Table E12. Completeness of airflow and emission data

Table E12. Completeness of airflow and emission data at Site CA2B for October, 2007.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	100	100	0	0	0	0	0	0	0	0	0	0
18	100	100	0	0	0	0	0	0	0	0	0	0
19	76	76	0	0	0	0	0	0	0	0	0	0
20	100	95	0	0	0	0	0	0	0	0	0	0
21	100	94	0	0	0	0	0	0	0	0	0	0
22	100	100	0	0	0	0	0	0	0	0	0	0
23	100	100	0	0	0	0	0	0	0	0	0	0
24	100	100	44	44	44	44	35	44	0	0	0	0
25	100	99	100	99	100	99	100	99	0	0	0	0
26	100	100	100	100	100	100	84	95	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	99	97	99	97	99	97	99	97	0	0	0	0
30	96	96	96	96	96	96	96	96	0	0	0	0
31	100	100	100	100	100	100	100	100	0	0	0	0
Mean	47	47	24	24	24	24	23	24	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	49	49	42	41	42	41	41	41	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for November, 2007.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	99	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	97	100	97	100	97	100	97	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	98	98	0	0	0	0
11	100	100	100	100	100	100	100	86	0	0	0	0
12	100	100	100	100	100	100	100	72	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	64	64	59	55	59	55	63	63	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	99	99	99	99	99	99	97	85	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	95	92	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	84	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	99	99	99	98	99	98	98	96	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	6	6	8	8	7	8	7	9	0	0	0	0
Min	64	64	59	55	59	55	63	63	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for December, 2007.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	96	96	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	94	100	94	100	94	88	82	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	82	0	0	0	0
8	100	100	100	100	100	100	100	52	0	0	0	0
9	100	100	100	100	100	100	100	84	0	0	0	0
10	100	100	100	100	100	100	100	46	0	0	0	0
11	100	100	100	100	100	100	100	52	0	0	0	0
12	100	100	100	100	100	100	100	73	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	59	59	59	59	59	59	55	31	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	27	27	27	23	27	23	0	0	0	0	27	27
19	100	100	100	100	100	100	0	0	0	0	100	100
20	100	100	100	100	100	100	0	0	0	0	99	83
21	91	91	91	77	91	77	27	19	0	0	57	4
22	100	100	100	100	100	100	99	63	0	0	0	0
23	100	100	100	100	100	100	100	58	0	0	0	0
24	100	100	100	100	100	100	100	59	0	0	0	0
25	100	100	100	100	100	100	100	52	0	0	0	0
26	100	100	100	100	100	100	100	55	0	0	0	0
27	100	100	100	100	100	100	100	29	0	0	0	0
28	100	100	100	100	100	100	100	18	0	0	0	0
29	100	100	100	100	100	100	100	59	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
31	100	100	100	100	100	100	100	81	0	0	0	0
Mean	86	86	86	86	86	86	76	55	0	0	9	7
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	32	32	32	32	32	32	40	36	0	0	26	23
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table E12. Completeness of airflow and emission data at Site CA2B for January, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	99	64	0	0	0	0
2	100	100	100	100	100	100	63	49	0	0	0	0
3	100	100	100	100	100	100	100	73	0	0	0	0
4	100	100	100	100	100	100	100	98	0	0	0	0
5	100	100	100	100	100	100	100	60	0	0	0	0
6	100	100	100	100	100	100	100	55	0	0	0	0
7	100	100	100	100	100	100	49	10	26	38	0	0
8	100	100	100	100	100	100	0	0	100	100	0	0
9	100	99	100	99	100	99	0	0	100	99	0	0
10	100	100	100	100	100	100	0	0	100	100	0	0
11	100	100	100	100	100	100	0	0	100	100	0	0
12	100	100	100	100	100	100	0	0	100	100	0	0
13	100	100	100	100	100	100	0	0	100	100	0	0
14	98	98	98	98	98	98	0	0	88	71	0	0
15	98	98	98	47	98	47	0	0	98	64	0	0
16	100	90	100	90	100	90	0	0	92	84	0	0
17	100	100	100	100	100	100	0	0	50	50	0	0
18	100	100	100	100	100	100	0	0	38	38	0	0
19	100	100	100	100	100	100	0	0	100	100	0	0
20	100	100	100	100	100	100	0	0	100	100	0	0
21	100	100	100	100	100	100	0	0	100	100	0	0
22	100	100	100	100	100	100	0	0	100	100	0	0
23	98	98	97	95	97	95	0	39	47	47	0	0
24	51	51	30	28	48	43	0	51	0	0	0	0
25	100	100	100	54	100	54	0	54	0	0	0	0
26	100	100	100	0	100	0	0	0	0	0	0	0
27	100	100	100	0	100	0	0	0	0	0	0	0
28	100	100	100	45	100	45	0	45	0	0	0	0
29	100	100	100	100	100	100	0	100	0	0	0	0
30	100	100	100	100	100	100	0	99	0	0	0	0
31	100	100	100	100	100	100	0	100	0	0	0	0
Mean	98	98	98	86	98	86	20	29	46	45	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	9	9	12	30	9	29	38	36	46	44	0	0
Min	51	51	30	0	48	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	100	100	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for February, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	0	100	0	0	0	0
2	100	100	100	100	100	100	0	100	0	0	0	0
3	100	100	100	100	100	100	0	100	0	0	0	0
4	100	100	100	100	100	100	0	100	0	0	0	0
5	100	100	100	100	100	100	0	100	0	0	0	0
6	100	100	100	100	100	100	0	100	0	0	0	0
7	100	100	100	100	100	100	0	100	0	0	0	0
8	100	100	93	93	100	100	0	100	0	0	0	0
9	100	100	0	0	100	100	0	86	0	0	0	0
10	100	100	0	0	100	100	0	86	0	0	0	0
11	100	100	0	0	100	100	0	98	0	0	0	0
12	100	100	0	0	100	100	0	79	0	0	0	0
13	100	100	0	0	100	100	0	89	0	0	0	0
14	62	62	0	0	59	51	0	56	0	0	0	0
15	99	99	0	0	99	99	0	99	0	0	0	0
16	100	100	0	0	100	100	0	100	0	0	0	0
17	100	100	0	0	100	100	0	100	0	0	0	0
18	100	100	0	0	100	100	0	100	0	0	0	0
19	100	100	0	0	100	100	0	100	0	0	0	0
20	100	100	0	0	100	100	0	100	0	0	0	0
21	100	100	0	0	100	100	0	100	0	0	0	0
22	100	100	0	0	100	100	0	100	0	0	0	0
23	100	100	0	0	100	100	0	100	0	0	0	0
24	100	100	0	0	100	100	0	100	0	0	0	0
25	100	100	0	0	100	100	0	100	0	0	0	0
26	100	100	0	0	100	100	0	100	0	0	0	0
27	97	97	0	0	97	97	0	88	0	0	0	0
28	100	100	92	92	100	100	0	100	0	0	0	0
29	100	100	100	100	100	100	0	100	0	0	0	0
Mean	99	99	34	34	98	98	0	96	0	0	0	0
n	29	29	29	29	29	29	29	29	29	29	29	29
SD	7	7	47	47	8	9	0	9	0	0	0	0
Min	62	62	0	0	59	51	0	56	0	0	0	0
Max	100	100	100	100	100	100	0	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for March, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	0	100	0	0	0	0
2	100	100	100	100	100	100	0	100	0	0	0	0
3	100	100	100	100	100	100	0	100	0	0	0	0
4	100	100	100	100	100	100	0	100	0	0	0	0
5	100	100	100	100	100	100	0	100	0	0	0	0
6	100	100	100	100	100	100	0	100	0	0	0	0
7	100	100	100	100	100	100	0	100	0	0	0	0
8	100	100	100	100	100	100	0	100	0	0	0	0
9	96	96	96	96	96	96	0	96	0	0	0	0
10	100	100	53	53	100	100	0	100	0	0	0	0
11	100	100	0	0	100	100	0	100	0	0	0	0
12	100	100	0	0	100	100	0	100	0	0	0	0
13	100	100	0	0	100	100	0	100	0	0	0	0
14	69	69	0	0	63	68	0	49	0	0	0	11
15	78	78	0	0	76	71	0	0	0	0	0	78
16	100	100	0	0	100	100	0	0	0	0	0	100
17	100	100	0	0	100	100	0	0	0	0	0	100
18	100	100	0	0	100	100	0	0	0	0	0	100
19	100	100	0	0	100	100	0	0	0	0	0	100
20	100	100	0	0	100	100	0	0	0	0	0	100
21	99	100	0	0	99	100	0	45	0	0	0	48
22	99	99	0	0	99	99	0	99	0	0	0	0
23	100	100	0	0	100	100	0	100	0	0	0	0
24	100	100	0	0	100	100	44	100	0	0	0	0
25	100	100	0	0	100	100	96	96	0	0	0	0
26	100	100	0	0	100	100	100	100	0	0	0	0
27	100	100	0	0	100	100	100	100	0	0	0	0
28	100	100	0	0	100	100	100	100	0	0	0	0
29	100	100	0	0	100	100	100	100	0	0	0	0
30	100	100	0	0	100	100	100	100	0	0	0	0
31	100	100	6	6	100	100	95	96	0	0	0	0
Mean	98	98	31	31	98	98	24	77	0	0	0	21
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	7	7	45	45	8	8	41	40	0	0	0	38
Min	69	69	0	0	63	68	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	100

Table E12. Completeness of airflow and emission data at Site CA2B for April, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	100	100	100	100	100	100	100	100	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	59	59	51	44	51	45	54	55	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	74	74	72	70	72	70	74	74	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	94	95	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	94	94	94	94	94	94	94	94	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	20	20	20	21	20	21	20	20	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for May, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	88	88	78	78	85	85	88	88	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	50	50	7	7	39	38	45	44	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	79	0	0	0	0
20	97	93	97	93	97	93	50	0	0	0	44	44
21	100	100	100	100	100	100	0	0	0	0	99	100
22	100	100	100	100	100	100	0	0	0	0	86	100
23	100	100	100	100	100	100	0	0	0	0	100	100
24	100	100	100	100	100	100	0	0	0	0	100	100
25	100	100	100	100	100	100	0	0	0	0	100	78
26	100	100	100	100	100	100	0	0	0	0	100	0
27	99	99	99	99	99	99	23	30	0	0	45	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
31	100	100	100	100	100	100	100	100	0	0	0	0
Mean	95	95	93	93	94	94	71	69	0	0	22	17
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	20	20	24	24	20	21	42	44	0	0	39	36
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table E12. Completeness of airflow and emission data at Site CA2B for June, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	56	100	56	100	56	100	56	100	0	0	0	0
5	21	100	21	100	21	100	20	100	0	0	0	0
6	0	100	0	75	0	75	0	94	0	0	0	0
7	0	100	0	100	0	100	0	100	0	0	0	0
8	1	100	1	100	1	100	1	100	0	0	0	0
9	0	100	0	100	0	100	0	100	0	0	0	0
10	0	100	0	100	0	100	0	100	0	0	0	0
11	0	100	0	100	0	100	0	100	0	0	0	0
12	0	100	0	100	0	100	0	100	0	0	0	0
13	0	100	0	100	0	100	0	97	0	0	0	0
14	0	100	0	100	0	100	0	100	0	0	0	0
15	0	100	0	100	0	100	0	100	0	0	0	0
16	1	100	1	100	1	100	0	100	0	0	0	0
17	4	100	4	100	4	100	0	100	0	0	0	0
18	14	100	14	100	14	100	0	100	0	0	0	0
19	29	100	17	100	17	100	0	100	0	0	0	0
20	60	100	22	100	22	100	0	95	0	0	0	0
21	37	100	0	100	0	100	0	100	0	0	0	0
22	22	100	0	100	0	100	0	100	0	0	0	0
23	41	100	1	100	1	100	0	100	0	0	0	0
24	35	100	0	100	0	100	0	100	0	0	0	0
25	0	100	0	100	0	100	0	100	0	0	0	0
26	0	100	0	100	0	100	0	100	0	0	0	0
27	78	100	0	100	0	100	0	97	0	0	0	0
28	100	100	0	100	0	100	0	100	0	0	0	0
29	100	100	0	100	0	100	0	100	0	0	0	0
30	100	100	0	100	0	100	0	96	0	0	0	0
Mean	33	100	15	99	15	99	13	99	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	39	0	31	5	31	4	31	2	0	0	0	0
Min	0	100	0	75	0	75	0	94	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for July, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	0	100	0	100	0	100	0	0	0	0
2	100	100	0	100	0	100	0	100	0	0	0	0
3	100	100	0	100	0	100	0	100	0	0	0	0
4	100	100	0	100	0	100	0	100	0	0	0	0
5	100	100	0	100	0	100	0	100	0	0	0	0
6	100	100	0	100	0	100	0	100	0	0	0	0
7	100	100	50	100	50	100	0	51	40	40	0	0
8	100	100	100	100	100	100	0	0	100	100	0	0
9	100	100	100	100	100	100	0	0	100	100	0	0
10	100	100	100	100	100	100	0	0	100	100	0	0
11	100	100	100	100	100	100	0	0	100	100	0	0
12	100	100	100	100	100	100	0	0	100	100	0	0
13	100	100	100	100	100	100	0	0	100	100	0	0
14	100	100	100	100	100	100	0	0	97	97	0	0
15	100	100	100	100	100	100	0	0	100	100	0	0
16	82	82	6	6	6	6	0	0	82	82	0	0
17	52	100	0	0	0	0	0	0	52	100	0	0
18	0	100	0	0	0	0	0	0	0	100	0	0
19	0	100	0	0	0	0	0	0	0	100	0	0
20	0	100	0	0	0	0	0	0	0	100	0	0
21	0	100	0	0	0	0	0	0	0	100	0	0
22	0	100	0	18	0	18	0	52	0	39	0	0
23	0	100	0	100	0	100	0	100	0	0	0	0
24	55	100	55	100	55	100	36	81	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	99	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	99	100	0	0	0	0
30	100	100	100	100	100	100	97	97	0	0	0	0
31	100	100	100	100	100	100	100	100	0	0	0	0
Mean	77	99	52	78	52	78	24	51	31	47	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	40	3	48	41	48	41	41	48	44	48	0	0
Min	0	82	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	100	100	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for August, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	93	92	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	100	100	100	100	100	100	100	100	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	100	100	100	100	100	100	49	97	0	0	0	0
14	100	100	100	100	100	100	0	100	0	0	0	0
15	99	99	99	99	99	99	53	99	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	94	89	0	0	0	0
20	100	100	100	100	100	100	100	99	0	0	0	0
21	100	100	100	100	100	100	100	99	0	0	0	0
22	100	100	76	77	76	77	83	86	0	0	0	0
23	100	100	100	100	100	100	67	65	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	73	69	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	95	95	68	71	71	95	91	90	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	37	100	37	100	97	0	0	0	0
31	100	100	100	0	100	0	100	100	0	0	0	0
Mean	100	100	97	92	98	94	91	97	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	1	8	22	7	21	21	7	0	0	0	0
Min	95	95	68	0	71	0	0	65	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for September, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	30	100	2	100	2	100	30	0	0	0	0
2	100	51	100	22	100	22	100	51	0	0	0	0
3	100	9	100	9	100	9	100	9	0	0	0	0
4	100	1	100	1	100	1	100	1	0	0	0	0
5	100	1	100	1	100	1	100	1	0	0	0	0
6	100	0	100	0	100	0	100	0	0	0	0	0
7	100	6	100	6	100	6	100	6	0	0	0	0
8	100	0	77	0	77	0	94	0	0	0	0	0
9	100	2	100	2	100	2	100	1	0	0	0	0
10	96	6	95	6	95	6	96	0	0	0	0	0
11	99	2	99	2	99	2	99	0	0	0	0	0
12	100	15	100	4	100	4	100	0	0	0	0	0
13	100	31	100	4	100	4	100	0	0	0	0	0
14	100	2	100	2	100	2	100	0	0	0	0	0
15	100	44	100	6	100	6	100	0	0	0	0	0
16	100	44	100	6	100	6	100	0	0	0	0	0
17	100	38	100	0	100	0	100	0	0	0	0	0
18	82	1	82	1	82	1	82	0	0	0	0	0
19	100	5	100	5	100	5	41	0	0	0	44	1
20	100	11	100	11	100	11	0	0	0	0	100	11
21	100	29	100	29	100	29	0	0	0	0	100	29
22	100	3	100	3	100	3	0	0	0	0	100	3
23	100	0	100	0	100	0	0	0	0	0	100	0
24	100	0	100	0	100	0	0	0	0	0	100	0
25	100	0	100	0	100	0	0	0	0	0	100	0
26	100	0	100	0	100	0	0	0	0	0	100	0
27	100	0	100	0	100	0	0	0	0	0	100	0
28	100	0	100	0	100	0	0	0	0	0	100	0
29	100	27	100	27	100	27	43	27	0	0	51	0
30	100	100	100	100	100	100	99	100	0	0	0	0
Mean	99	15	98	8	98	8	65	8	0	0	33	2
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	3	22	5	19	5	19	45	21	0	0	45	6
Min	82	0	77	0	77	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	29

Table E12. Completeness of airflow and emission data at Site CA2B for October, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	51	100	51	100	51	100	51	100	0	0	0	0
3	0	100	0	100	0	100	0	100	0	0	0	0
4	0	26	0	4	0	4	0	26	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	55	0	50	0	50	0	49	0	0	0	0
7	0	100	0	100	0	100	0	100	0	0	0	0
8	0	100	0	100	0	100	0	67	0	0	0	0
9	53	99	53	99	53	99	48	33	0	0	0	0
10	100	100	100	71	100	71	97	55	0	0	0	0
11	100	100	100	100	100	100	100	96	0	0	0	0
12	100	100	100	100	100	100	100	91	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	98	0	0	0	0
15	100	100	100	100	100	100	94	96	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	91	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	99	0	0	0	0
20	100	100	100	100	100	100	100	92	0	0	0	0
21	100	100	100	100	100	100	100	93	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	92	0	0	0	0
24	92	92	92	92	92	92	88	86	0	0	0	0
25	100	100	74	74	74	74	100	99	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	89	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	70	72	71	73	100	100	0	0	0	0
31	100	100	100	100	100	100	94	93	0	0	0	0
Mean	77	93	76	89	76	89	77	85	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	40	23	39	26	39	26	39	25	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for November, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	99	0	0	0	0
2	100	100	100	100	100	100	100	94	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	92	86	0	0	0	0
5	100	100	100	100	100	100	46	46	0	0	0	0
6	100	100	100	100	100	100	59	59	0	0	0	0
7	100	100	100	100	100	100	44	44	0	0	0	0
8	100	100	100	100	100	100	0	0	0	0	0	0
9	100	99	100	99	100	99	0	0	0	0	0	0
10	100	100	100	100	100	100	0	0	0	0	0	0
11	100	100	100	100	100	100	0	0	0	0	0	0
12	99	99	99	99	99	99	39	39	0	0	0	0
13	100	100	69	84	61	84	97	90	0	0	0	0
14	100	100	100	100	100	100	100	97	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	99	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	96	0	0	0	0
20	99	100	99	100	99	100	99	97	0	0	0	0
21	100	100	100	100	100	100	95	95	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	98	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	97	0	0	0	0
27	100	100	100	100	100	100	100	98	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	99	99	99	99	79	78	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	0	0	6	3	7	3	36	35	0	0	0	0
Min	99	99	69	84	61	84	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for December, 2008.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	56	93	0	0	0	0
2	100	100	100	100	100	100	0	99	0	0	0	0
3	100	100	100	100	100	100	0	100	0	0	0	0
4	55	100	55	100	55	100	0	100	0	0	0	0
5	0	100	0	100	0	100	0	100	0	0	0	0
6	0	100	0	100	0	100	0	99	0	0	0	0
7	0	100	0	100	0	100	0	99	0	0	0	0
8	0	100	0	100	0	75	0	96	0	0	0	0
9	0	100	0	100	0	100	0	82	0	0	0	0
10	0	100	0	100	0	100	0	97	0	0	0	0
11	0	100	0	100	0	100	0	98	0	0	0	0
12	0	100	0	100	0	100	0	98	0	0	0	0
13	0	100	0	100	0	100	0	100	0	0	0	0
14	0	100	0	100	0	100	0	100	0	0	0	0
15	0	100	0	100	0	100	0	99	0	0	0	0
16	0	100	0	100	0	100	0	81	0	0	0	0
17	0	99	0	99	0	99	0	99	0	0	0	0
18	44	100	44	99	44	99	38	90	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	99	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	98	0	0	0	0
28	100	100	100	100	100	100	100	92	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	97	95	0	0	0	0
31	100	100	100	100	100	100	100	65	0	0	0	0
Mean	55	100	55	100	55	99	45	96	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	48	0	48	0	48	5	48	7	0	0	0	0
Min	0	99	0	99	0	75	0	65	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for January, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	53	53	13	13	0	0
10	100	99	100	99	100	99	0	0	100	99	0	0
11	100	100	100	100	100	100	0	0	100	100	0	0
12	100	100	100	100	100	100	0	0	100	100	0	0
13	100	100	100	100	100	100	0	0	100	100	0	0
14	100	100	100	100	100	100	0	0	100	100	0	0
15	100	100	100	100	100	100	0	0	100	100	0	0
16	99	99	99	99	99	99	0	0	99	99	0	0
17	100	100	100	100	100	100	0	0	96	96	0	0
18	100	100	100	100	100	100	0	0	100	100	0	0
19	100	100	100	100	100	100	0	0	100	100	0	0
20	100	100	100	100	100	100	0	0	100	100	0	0
21	100	100	100	100	100	100	0	0	100	100	0	0
22	100	100	100	100	100	100	0	0	100	100	0	0
23	100	100	100	100	100	100	0	0	100	100	0	0
24	100	100	100	100	100	100	0	0	100	100	0	0
25	100	100	100	100	100	100	0	0	100	100	0	0
26	100	100	100	100	100	100	0	0	100	100	0	0
27	100	100	100	100	100	100	0	0	100	100	0	0
28	100	100	100	100	100	100	40	37	52	52	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
31	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	100	100	100	100	39	38	60	60	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	0	0	0	0	0	0	47	47	48	48	0	0
Min	99	99	99	99	99	99	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	100	100	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for February, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	97	97	97	97	55	55	74	94	0	0	0	0
11	100	100	100	100	0	0	100	100	0	0	0	0
12	100	100	100	100	0	0	100	100	0	0	0	0
13	100	100	100	100	0	0	97	97	0	0	0	0
14	100	100	100	100	0	0	100	100	0	0	0	0
15	100	100	100	100	0	0	100	100	0	0	0	0
16	100	100	100	100	0	0	100	100	0	0	0	0
17	100	100	100	100	0	0	100	100	0	0	0	0
18	100	100	100	100	0	0	100	100	0	0	0	0
19	100	100	100	100	0	0	100	100	0	0	0	0
20	100	100	100	100	0	0	100	100	0	0	0	0
21	100	100	100	100	0	0	100	100	0	0	0	0
22	100	100	100	100	0	0	100	100	0	0	0	0
23	100	100	100	100	0	0	100	100	0	0	0	0
24	100	100	100	100	0	0	100	100	0	0	0	0
25	100	100	100	100	0	0	100	100	0	0	0	0
26	100	100	100	100	0	0	100	100	0	0	0	0
27	100	100	100	100	0	0	100	100	0	0	0	0
28	100	100	100	100	0	0	100	100	0	0	0	0
Mean	100	100	100	100	34	34	99	100	0	0	0	0
n	28	28	28	28	28	28	28	28	28	28	28	28
SD	1	1	1	1	47	46	5	1	0	0	0	0
Min	97	97	97	97	0	0	74	94	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for March, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	0	0	100	100	0	0	0	0
2	100	100	100	100	0	0	100	100	0	0	0	0
3	100	100	100	100	0	0	100	100	0	0	0	0
4	100	100	100	100	0	0	100	100	0	0	0	0
5	100	100	100	100	0	0	96	97	0	0	0	0
6	100	100	100	100	0	0	100	100	0	0	0	0
7	100	100	100	100	0	0	100	100	0	0	0	0
8	100	100	100	100	0	0	100	100	0	0	0	0
9	100	100	100	100	0	0	100	100	0	0	0	0
10	98	98	98	83	36	39	98	98	0	0	0	0
11	98	98	74	70	74	70	95	94	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	99	99	99	99	99	99	99	99	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	99	99	80	80	80	80	74	49	0	0	0	0
19	98	98	98	98	98	98	79	0	0	0	0	0
20	100	100	100	100	100	100	100	0	0	0	0	0
21	100	100	100	100	100	100	100	0	0	0	0	0
22	100	99	100	99	100	99	100	0	0	0	0	0
23	100	97	100	97	100	97	100	0	0	0	0	0
24	100	100	100	100	100	100	100	0	0	0	0	0
25	100	100	100	100	100	100	100	0	0	0	0	0
26	100	100	100	100	100	100	100	0	0	0	0	0
27	100	100	17	17	100	100	100	0	0	0	0	0
28	100	100	0	0	100	100	100	0	0	0	0	0
29	100	95	0	0	100	95	100	0	0	0	0	0
30	98	96	0	0	98	96	92	29	0	0	0	0
31	100	100	0	0	100	100	100	100	0	0	0	0
Mean	100	99	83	82	67	67	98	60	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	1	35	35	45	44	6	47	0	0	0	0
Min	98	95	0	0	0	0	74	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for April, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	99	0	0	100	99	100	99	0	0	0	0
2	100	100	0	0	100	100	100	100	0	0	0	0
3	100	97	0	1	100	97	100	97	0	0	0	0
4	100	100	0	1	100	100	100	100	0	0	0	0
5	100	100	0	0	100	100	100	100	0	0	0	0
6	100	100	0	0	100	100	100	100	0	0	0	0
7	100	100	0	0	100	100	100	100	0	0	0	0
8	100	100	0	0	100	100	100	100	0	0	0	0
9	100	100	0	0	100	100	100	100	0	0	0	0
10	100	100	0	1	100	100	100	100	0	0	0	0
11	100	100	0	0	100	100	100	100	0	0	0	0
12	100	100	0	0	100	100	100	100	0	0	0	0
13	100	100	0	1	100	100	100	100	0	0	0	0
14	100	96	11	11	100	96	48	45	0	0	40	40
15	100	96	100	96	100	96	0	0	0	0	100	96
16	100	100	100	65	100	65	0	0	0	0	99	100
17	100	100	100	100	100	100	0	0	0	0	100	100
18	100	100	100	100	100	100	0	0	0	0	99	100
19	100	100	100	100	100	100	0	0	0	0	100	100
20	100	100	100	100	100	100	0	0	0	0	100	100
21	100	100	100	100	100	100	0	0	0	0	100	100
22	100	100	100	100	100	100	40	40	0	0	47	47
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	54	53	100	98	73	73	0	0	26	26
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	0	1	50	49	0	6	43	43	0	0	42	42
Min	100	96	0	0	100	65	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table E12. Completeness of airflow and emission data at Site CA2B for May, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	96	100	96	100	96	83	93	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	99	91	99	91	99	91	99	91	0	0	0	0
11	99	100	99	100	99	100	99	100	0	0	0	0
12	95	100	95	100	95	100	95	100	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	97	96	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	99	100	99	100	99	100	99	0	0	0	0
23	100	99	100	99	100	99	100	99	0	0	0	0
24	100	99	100	99	100	99	100	99	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
31	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	100	100	100	100	99	99	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	2	1	2	1	2	3	2	0	0	0	0
Min	95	91	95	91	95	91	83	91	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for June, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	95	96	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	93	94	0	0	0	0
10	100	100	100	100	100	100	84	84	0	0	0	0
11	100	100	100	100	100	100	100	100	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	96	97	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	97	97	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	100	100	100	100	99	99	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	0	0	0	0	0	0	3	3	0	0	0	0
Min	100	100	100	100	100	100	84	84	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for July, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	48	48	0	0	24	33
10	100	100	100	100	100	100	0	25	0	0	35	35
11	100	100	100	100	100	100	0	100	0	0	0	0
12	100	100	100	100	100	100	0	100	0	0	0	0
13	100	100	100	100	100	100	0	100	0	0	0	0
14	100	100	100	100	100	100	0	100	0	0	0	0
15	100	100	100	100	100	100	0	100	0	0	0	0
16	100	100	100	100	100	100	0	94	0	0	0	0
17	100	100	100	100	100	100	0	100	0	0	0	0
18	100	100	100	100	100	100	0	100	0	0	0	0
19	100	100	100	100	100	100	0	100	0	0	0	0
20	100	100	100	100	100	100	0	100	0	0	0	0
21	100	100	100	100	100	100	0	100	0	0	0	0
22	100	100	100	100	100	100	0	100	0	0	0	0
23	100	100	100	100	100	100	0	100	0	0	0	0
24	100	100	100	100	100	100	0	100	0	0	0	0
25	95	100	95	100	95	100	0	100	0	0	0	0
26	100	100	100	100	100	100	0	100	0	0	0	0
27	100	100	100	100	100	100	0	100	0	0	0	0
28	100	100	100	100	100	100	0	100	0	0	0	0
29	100	99	100	99	100	99	0	53	0	0	31	31
30	100	100	100	100	100	100	0	0	0	0	100	100
31	100	100	100	100	100	100	0	0	0	0	100	100
Mean	100	100	100	100	100	100	27	88	0	0	9	10
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	0	1	0	1	0	44	29	0	0	25	26
Min	95	99	95	99	95	99	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table E12. Completeness of airflow and emission data at Site CA2B for August, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	0	0	0	0	100	100
2	100	100	100	100	100	100	0	0	0	0	100	100
3	100	100	100	100	100	100	0	0	0	0	100	100
4	100	100	100	100	100	100	0	0	0	0	100	98
5	100	100	100	100	100	100	0	0	0	0	100	100
6	100	100	100	100	100	100	0	0	0	0	100	100
7	100	100	100	100	100	100	0	0	0	0	100	100
8	100	100	100	100	100	100	0	0	0	0	100	100
9	100	100	100	100	100	100	0	0	0	0	100	100
10	100	100	100	100	100	100	0	0	0	0	100	100
11	100	100	100	100	100	100	48	48	0	0	46	46
12	100	100	100	100	100	100	100	100	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	99	100	0	0	0	0
21	97	97	97	97	97	97	26	50	0	0	0	0
22	100	100	73	59	100	59	30	30	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	88	55	0	0	0	0
25	99	99	99	99	99	99	99	99	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	61	0	0	0	0
31	99	99	64	63	65	64	96	51	0	0	0	0
Mean	100	100	98	97	99	97	61	58	0	0	34	34
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	1	8	10	6	10	46	44	0	0	46	46
Min	97	97	64	59	65	59	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table E12. Completeness of airflow and emission data at Site CA2B for September, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	99	99	19	20	19	20	99	85	0	0	0	0
2	100	100	0	0	0	0	100	100	0	0	0	0
3	100	100	0	0	0	0	100	100	0	0	0	0
4	100	100	7	7	7	7	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	100	100	73	70	73	70	95	97	0	0	0	0
12	99	99	99	99	99	99	99	99	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	96	97	0	0	0	0
26	100	100	100	99	100	99	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Mean	100	100	87	86	87	86	100	99	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	0	0	32	32	32	32	1	3	0	0	0	0
Min	99	99	0	0	0	0	95	85	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table E12. Completeness of airflow and emission data at Site CA2B for October, 2009.

Day	Airflow		Ammonia		Hydrogen Sulfide		PM ₁₀		PM _{2.5}		TSP	
	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6	H5	H6
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	83	84	0	0	0	0
3	100	100	76	76	77	77	96	96	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	100	100	100	100	100	100	100	100	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	50	83	50	83	50	83	50	83	0	0	0	0
14	57	100	57	100	57	100	57	100	0	0	0	0
15	98	98	98	79	98	79	42	91	0	0	0	0
16	99	99	99	76	99	76	0	0	0	0	0	0
17	100	100	100	100	100	100	0	0	0	0	0	0
18	100	100	100	100	100	100	0	0	0	0	0	0
19	100	100	100	100	100	100	0	0	0	0	0	0
20	100	100	100	100	100	100	0	0	0	0	0	0
21	100	100	100	100	100	100	0	0	0	0	0	0
22	100	100	100	100	100	100	0	0	0	0	0	0
23	100	100	100	100	100	100	0	0	0	0	0	0
24	100	100	100	100	100	100	0	0	0	0	0	0
25	100	100	100	100	100	100	0	0	0	0	0	0
26	100	100	100	100	100	100	0	0	0	0	0	0
27	100	78	100	78	100	78	0	0	0	0	0	0
28	100	99	100	99	100	99	0	0	0	0	0	0
29	100	100	100	100	100	100	0	0	0	0	0	0
30	100	100	52	54	52	54	0	0	0	0	0	0
31	100	100	0	29	0	29	0	0	0	0	0	0
Mean	97	99	91	93	91	93	43	47	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	11	5	22	16	22	16	46	49	0	0	0	0
Min	50	78	0	29	0	29	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

APPENDIX F. BIOMATERIAL CHARACTERISTICS DATA.

Table F1. Layer manure characteristics (mean $\pm$ SD).

House	Date	n	pH (SU)	Percent (wet weight basis)			
				Solids	Ammonia	Nitrogen	Sulfur
5	12/31/08	12	8.30 $\pm$ 0.17	58.8 $\pm$ 12.0	0.42 $\pm$ 0.14		
5	7/24/08	12	7.54 $\pm$ 0.32	77.0 $\pm$ 11.4	0.27 $\pm$ 0.45		
5	10/31/08	12	7.82 $\pm$ 0.48	62.8 $\pm$ 12.9	0.45 $\pm$ 0.19		
5	2/9/09	12	7.40 $\pm$ 0.33	55.2 $\pm$ 15.4	0.41 $\pm$ 0.10		
5	5/7/09	12	8.03 $\pm$ 0.62	79.3 $\pm$ 5.25	0.31 $\pm$ 0.15		
6	12/31/08	12	7.55 $\pm$ 0.24	35.6 $\pm$ 4.14	0.52 $\pm$ 0.10		
6	5/22/08	12	8.72 $\pm$ 0.22	73.5 $\pm$ 10.1	0.27 $\pm$ 0.20		
6	7/24/08	12	7.19 $\pm$ 0.26	77.0 $\pm$ 11.4	0.27 $\pm$ 0.45		
6	8/19/08	12	6.40 $\pm$ 0.22	83.4 $\pm$ 1.76	0.32 $\pm$ 0.15		
6	10/31/08	12	7.82 $\pm$ 0.49	66.6 $\pm$ 0.70	0.44 $\pm$ 0.18		
6	2/9/09	12	7.18 $\pm$ 0.26	51.6 $\pm$ 12.8	0.47 $\pm$ 0.08		
6	5/7/09	12	8.56 $\pm$ 0.37	65.1 $\pm$ 9.46	0.25 $\pm$ 0.10		
6	8/21/09	12	7.37 $\pm$ 0.37	88.9 $\pm$ 0.74	0.15 $\pm$ 0.16	4.03 $\pm$ 0.74	0.45 $\pm$ 0.04

Table F2. Loadout manure characteristics (mean $\pm$ SD).

House	Date	n	Percent (wet weight basis)			
			TKN	Solids	Ash	Nitrate
5	5/22/08	12	2.47 $\pm$ 0.56	56.3 $\pm$ 14.9		
5	2/10/09	12	2.45 $\pm$ 0.62	71.9 $\pm$ 8.35	24.0 $\pm$ 2.16	
5	8/21/09	12	2.79 $\pm$ 0.81		28.8 $\pm$ 2.74	
6	5/22/08	12	1.78 $\pm$ 0.44	47.8 $\pm$ 16.6		8.42 $\pm$ 9.60
6	8/28/08	12	3.42 $\pm$ 1.02	86.6 $\pm$ 1.69		
6	2/10/09	12	2.25 $\pm$ 0.67	63.2 $\pm$ 6.95	21.6 $\pm$ 3.36	
6	8/21/09	12	3.48 $\pm$ 0.71		24.7 $\pm$ 2.26	

Table F3. Egg characteristics (mean $\pm$ SD).

House	Date	n	Percent (wet weight basis)	
			TKN	Ash
5	8/24/09	3	1.78 $\pm$ 0.08	6.81 $\pm$ 2.38
6	8/24/09	3	1.81 $\pm$ 0.04	14.3 $\pm$ 4.21

Table F4. Feed characteristics (mean $\pm$ SD).

House	Date	n	Percent (wet weight basis)	
			TKN	Ash
5	9/1/09	3	1.86 $\pm$ 0.20	18.2 $\pm$ 2.38
6	9/1/09	3	2.00 $\pm$ 0.05	13.1 $\pm$ 1.72