

3. Sampling and Analysis Methodology

A. Total Bacteria Count

3.1 Sampling

Sampling was conducted by SGS using SAS Bacteriological Sampler whereas other equipment for sampling was provided by SGS. The equipment provided was as follows:

- (a) Agar medium (55mm petri dish)
APHA plate count agar for total bacteria count
- (b) Alcohol for sterilizing purpose
- (c) An ice box

3.2 Analytical Method

- (a) Total Bacteria Count

The agar was incubated at 37 degree Celsius for 48 hours.

3.3 Testing periods for laboratory analysis

- (a) Total Bacteria Count

5 - 8 September 2004 for samples submitted on 5 September 2004

B. Ozone Analysis

By USEPA Method B1011, 8 hr sampling during operating of PuAir installed at Mini Buses B (DB8892) and C (CN3173). The samples were then sent to the outside laboratory for analysis assessed as competent.

4. Results

A. Total Plate Count

SGS Sample No.	Sampling Location as Reported by SGS	Date of Commencing Sampling as Reported by SGS	Total Bacteria Count (cfu/m ³)
A0409023	Mini Bus A Untreated (EH8663) Before	5 September 2004 0030	50
A0409024	Mini Bus A Untreated (EH8663) After	5 September 2004 0830	50
A0409025	Mini Bus B Low Power PuAir - 50LV(DB8892) Before	5 September 2004 0040	160
A0409026	Mini Bus B Low Power PuAir - 50LV(DB8892) After	5 September 2004 0840	3
A0409027	Mini Bus C High Power PuAir - 100HV(CN3173) Before	5 September 2004 0050	73
A0409028	Mini Bus C High Power PuAir - 100HV(CN3173) After	5 September 2004 0850	3

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The report is the supersede of report 2002226/IEQ

SGS Job No. : 2209623

Report on sampling and laboratory testings of Total Bacteria Count in Mini Bus for Year Development Limited submitted on 5 September 2004.

1. Introduction

Total Bacteria Count & Ozone

The sampling for Total Bacteria Count and Ozone were performed by SGS using SAS Bacteriological Sampler and USEPA B-1011, respectively. The details were described in the following sections.

2. Sample Identification and Test Requested

Total Bacteria Count (TBC)

<u>SGS Sample No.</u>	<u>Sampling Location as Reported by SGS</u>	<u>Date of Commencing Sampling as Reported by SGS</u>	<u>Test Requested</u>
A0409023	Mini Bus A Untreated (EH8663) Before	5 September 2004 0030	TBC
A0409024	Mini Bus A Untreated (EH8663) After	5 September 2004 0830	TBC
A0409025	Mini Bus B Low Power PuAir - 50LV(DB8892) Before	5 September 2004 0040	TBC
A0409026	Mini Bus B Low Power PuAir - 50LV(DB8892) After	5 September 2004 0840	TBC
A0409027	Mini Bus C High Power PuAir - 100HV(CN3173) Before	5 September 2004 0050	TBC
A0409028	Mini Bus C High Power PuAir - 100HV(CN3173) After	5 September 2004 0850	TBC
A0409029	Mini Bus B Low Power PuAir - 50LV(DB8892) After	5 September 2004 0040-0840	Ozone
A0409030	Mini Bus C High Power PuAir - 100HV(CN3173) After	5 September 2004 0050-0850	Ozone

Sampling : Conducted by SGS

Sampling address: Mini Bus A Untreated (EH8663); Mini Bus B Low Power PuAir - 50LV(DB8892); reported by Client Mini Bus C High Power PuAir - 100HV(CN3173).

Samples delivery : The agar plates and absorbing tabs after sampling were delivered by SGS on 5 September 2004

Sample receiving : The agar plates and absorbing tabs were received by SGS on 5 September 2004. All agar plates were kept cool in an ice box.

3. Sample and Analysis Methodology / 4. Results

Please refer to the following page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.



BROOK WANG
TECHNOLOGIST

4. Results (Continued)

B. Ozone

<u>SGS Sample No.</u>	<u>Sampling Location as Reported by SGS</u>	<u>Date of Commencing Sampling as Reported by SGS</u>	<u>Ozone ($\mu\text{g}/\text{m}^3$)</u>
A0409029	Mini Bus B Low Power PuAir - 50LV(DB8892) After	5 September 2004 0040-0840	<50
A0409030	Mini Bus C High Power PuAir - 100HV(CN3173) After	5 September 2004 0050-0850	<50

Note : 1. cfu - colony forming unit

2. Volume of air sampled for each sample of TBC analysis was 300 L as reported by SGS.

*** End of Report ***