Table S1 The sampling sites and time of the current study

|  |  |
| --- | --- |
| Sampling site | Sampling time (year.month) |
| City  | Province |
| **Southern China** |
| Guangzhou  | Guangdong | 2011.07/2013.09 |
| Shenzhen  | Guangdong  | 2011.12/2013.05 |
| Shaoguan  | Guangdong | 2012.03/2013.05 |
| Zhanjiang  | Guangdong | 2012.01/2013.06 |
| Shantou  | Guangdong | 2012.02/2013.05 |
| Heyuan  | Guangdong | 2012.03/2013.06 |
| Haikou  | Hainan | 2012.05/2013.12 |
| Sanya  | Hainan | 2012.05/2014.01 |
| Beihai  | Guangxi | 2012.06/2013.12 |
| Nanning  | Guangxi | 2012.07/2013.11 |
| Fuzhou  | Fujian | 2012.07/2013.11 |
| Xiamen  | Fujian | 2012.08/2013.12 |
| Macao\* | -- | 2015.12/2016.05 |
| Hongkong\* | -- | 2015.12/2016.05 |
| Shanghai  | -- | 2012.09/2014.04 |
| Hefei  | Anhui | 2012.09/2014.03 |
| Nanchang  | Jiangxi | 2012.09/2014.03 |
| Wuhan  | Hubei | 2012.10/2014.04 |
| Chengdu  | Sichuan | 2012.10/2014.03 |
| Kunming  | Yunnan | 2012.11/2014.05 |
| Changsha  | Hunan | 2015.06/2016.01 |
| Hangzhou | Zhengjiang | 2015.07/2016.02 |
| Guiyang | Guizhou | 2015.07/2016.01 |
| Nanjing | Jiangsu | 2015.09/2016.03 |
| **Northern China** |  |
| Lanzhou  | Gansu | 2012.11/2013.08 |
| Haerbin | Heilongjiang | 2012.11/2013.07 |
| Xi’an | Shaanxi | 2012.12/2013.07 |
| Taiyuan  | Shanxi  | 2012.12/2013.08 |
| Beijing  | -- | 2012.12/2013.08 |
| Jinan  | Shandong | 2012.12/2013.08 |
| Changchun | Jilin | 2015.08/2016.05 |
| Xining | Qinghai | 2015.08/2016.05 |
| Yinchuan | Ningxia | 2015.08/2016.04 |
| Huhehaote | Neimenggu | 2015.08/2016.05 |
| Shenyang | Liaoning | 2015.09/2016.03 |
| Shijiazhuang | Hebei | 2015.10/2016.03 |
| Zhengzhou | Henan | 2015.10/2016.04 |
| Lasa | Tibet | 2015.11/2016.05 |
| Wulumuqi | Xinjiang | 2015.11/2016.06 |

\* These two cities were direct-controlled municipalities