RIOPA Dataset: Consolidated Dataset of Three Cities

RIOPA database. This database was funded by HEI and prepared and maintained by Atmospheric and Environmental Research (AER). It contained information collected in the Relationships of Indoor, Outdoor, and Personal Air (RIOPA) study that was cofunded by HEI and the National Urban Air Toxics Research Center (NUATRC) and conducted in three cities with different air pollution source profiles: Los Angeles, California; Houston, Texas; and Elizabeth, New Jersey. The database was made available in association with **Request for Applications 08-1**. See also the RIOPA-related reports by **Weisel**, **Turpin**, **Batterman**, and **Ryan**.

This file provides a list of table references in code book and associated data file names. Tables are listed according to sections of the code book where they appear, which code book sections included in the table names as applicable.

- Part 1. Field Sampling information *(not provided on Dataverse)*
- Part 2. Analysis data
- Part 3. Questionnaires
- Parts 4 and 5. Ancillary datasets.

Part 2. Analysis data

Table name	Original data file	Data file with detection limit (DL) substitutions for values <DL
2.1. AER Table	AER.csv	AER_DL.csv
2.2. Volume Table	Volume.csv	Not provided
2.3. Temperature and RH Table	TempRH.csv	Not provided
2.4. VOCs Table	VOC.csv	VOC_DL.csv
2.5. Carbonyls Table	Carbonyls.csv	Carbonyls_DL.csv
2.6. PM Mass Table	PM_Mass.csv	PM_Mass_DL.csv
2.7. PM ICPMS Table	PM_ICPMS_ngm3_combined.csv	PM_ICPMS_ngm3_combined_DL.csv
2.8. PM XRF Table	PM_XRF_ugm3.csv	PM_XRF_ugm3_DL.csv
2.9. PAHs Gas Phase Table	Gas_phase_PAH_ngm3.csv	Gas_phase_PAH_ngm3_DL.csv
2.10. PAHs Particulate Phase Table	Particle_phase_PAH_ngm3.csv	Particle_phase_PAH_ngm3_DL.csv
2.11. PM OC EC Table	PM_OC_EC.csv	PM_OC_EC_DL.csv
Measurement summary statistics	Not provided	Measurement_summary.csv

Part 3. Questionnaires

Table name	Data File
3.1. Technician Walk through Questionnaire	WalkThrough_new.csv
3.2. Baseline Adult	Baseline_Adult.csv
3.3. Baseline Child	Baseline_Child.csv
3.4. Activity Questionnaire Table 1	Activity.csv
Summarized time activity	Time_activity.csv
3.4. Time Activity Diary Table	TA.csv

Parts 4 and 5. Ancillary datasets.

Table name	Data File
4. National Land Cover Data (NLCD) of Homes	Land-Use.csv
Emissions Data	Emissions *(not provided)*
Meteorological Stations (all meteorological data from 1999-2001 within 50 km of houses in the study)	Met_avg_new.csv
Meteorological Data (all meteorological data from 1999-2001 linked to Census block group of individual houses in the study)	Met_avg_linkid.csv
5. Census Block Group of Homes	CensusBlockGroup_Home.csv