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| **RSEI Microdata- RY 2022**  For more information, see the [RSEI Microdata Documentation](https://www.epa.gov/rsei/documentation-risk-screening-environmental-indicators-rsei-geographic-microdata-rsei-gm) and the [RSEI website](https://www.epa.gov/rsei) | |
| **Public Release Data- this zip file contains additional data on chemicals, facilities, and releases:**  [**https://gaftp.epa.gov/RSEI/Current\_Version/V2312\_RY2022/Public\_Release\_Data/**](https://gaftp.epa.gov/RSEI/Current_Version/V2312_RY2022/Public_Release_Data/)  **See the** [**RSEI Microdata Documentation**](https://www.epa.gov/rsei/documentation-risk-screening-environmental-indicators-rsei-geographic-microdata-rsei-gm) **for how to link these data to the Microdata**  **TERMS**  **YYYY** = 4-digit data year  **gc** = grid code  **ZZ** – 2-digit grid code (14 is conterminous US)  **Core** Chemicals = Chemicals for which the reporting requirements have not changed over entire reporting period (1988-2020). Use this set for time series analysis that includes the year 2000 or earlier.  **Core01** Chemicals = Chemicals for which the reporting requirements have not changed over the period 2001-2020. Use this set for time series analysis involving the year 2001 or later.  **st** = 2-character postal abbreviation (e.g., “NY”) | |
| **Grid Cell Microdata**  These are the raw Microdata files that present data at the level of the 810m by 810m grid cell, which is the basic unit of the RSEI model | **Block Group Microdata**  These files use the grid cell data, but transpose the data onto 2020 US Census block group boundaries. Block groups generally contain between 600 and 3,000 people, with an optimum size of 1,500 people. There are about 39 blocks per census group. Block groups never cross the boundaries of states, counties, or statistically equivalent entities, except for a block group delineated by American Indian tribal authorities. |
| **Disaggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/>   * All Chemicals, All Industries (micro2022\_YYYY.csv.gz) * Core Chemicals, Original Industries (micro2022\_YYYY\_core.csv.gz) * Core 01 Chemicals, All Industries (micro2022\_YYYY\_core01.csv.gz)   **Aggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/aggmicro/>   * All Chemicals, All Industries (aggmicro2022\_YYYY.csv.gz) * Core Chemicals, Original Industries (aggmicrocore2022\_YYYY.csv.gz) * Core 01 Chemicals, All Industries (aggmicrocore012022\_YYYY.csv.gz) | **Disaggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_full/>   * All Chemicals, All Industries (censusmicroblockgroup2022\_YYYY.csv.gz) * Core Chemicals, Original Industries (censusmicroblockgroup2022\_core\_YYYY.csv.gz) * Core 01 Chemicals, All Industries (censusmicroblockgroup2022\_core01\_YYYY.csv.gz)   **Aggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/>   * All Chemicals, All Industries (censusmicroblockgroup2022\_aggregated\_YYYY.csv.gz) * Core Chemicals, Original Industries (censusmicroblockgroup2022\_core\_aggregated\_YYYY.csv.gz) * Core 01 Chemicals, All Industries (censusmicroblockgroup2022\_core01\_aggregated\_YYYY.csv.gz)   **Aggregated** **Shapefiles**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/shapefiles/>   * All Chemicals, All Industries (censusmicroblockgroup2022\_YYYY\_aggregated.zip) * Core Chemicals, Original Industries (censusmicroblockgroup2022\_YYYY\_core\_aggregated.zip) * Core 01 Chemicals, All Industries (censusmicroblockgroup2022\_YYYY\_core01\_aggregated.zip) |
| **Census Tract Microdata**  These files use the grid cell data, but transpose the data onto 2020 US Census tract boundaries. Census tracts generally contain between 1,000 and 8,000 people with an optimum size of 4,000 people. Census tract boundaries are delineated with the intention of being stable over many decades, so they generally follow relatively permanent visible features. | **ZIP Code Microdata**  These files use 2020 ZIP code definitions. |
| **Disaggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_full/>   * All Chemicals, All Industries (censusmicrotracts2022\_YYYY.csv.gz) * Core Chemicals, Original Industries (censusmicrotracts2022\_YYYY\_core.csv.gz) * Core 01 Chemicals, All Industries (censusmicrotracts2022\_YYYY\_core01.csv.gz)   **Aggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/>   * All Chemicals, All Industries (censusmicrotracts2022\_YYYY\_aggregated.csv.gz) * Core Chemicals, Original Industries (censusmicrotracts2022\_YYYY\_core\_aggregated.csv.gz) * Core 01 Chemicals, All Industries (censusmicrotracts2022\_YYYY\_core01\_aggregated.csv.gz)   **Aggregated Shapefiles**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/shapefiles/>   * All Chemicals, All Industries (censusmicrotracts2022\_YYYY\_aggregated.zip) * Core Chemicals, Original Industries (censusmicrotracts2022\_YYYY\_core\_aggregated.zip) * Core 01 Chemicals, All Industries (censusmicrotracts2022\_YYYY\_core01\_aggregated.zip) | **Disaggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_full/>   * All Chemicals, All Industries (censusmicrozipcode2022\_YYYY.csv.gz) * Core Chemicals, Original Industries (censusmicrozipcode2022\_YYYY\_core.csv.gz) * Core 01 Chemicals, All Industries (censusmicrozipcode2022\_YYYY\_core01.csv.gz)   **Aggregated**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/>   * All Chemicals, All Industries (censusmicrozipcode2022\_YYYY\_aggregated.csv.gz) * Core Chemicals, Original Industries (censusmicrozipcode2022\_YYYY\_core\_aggregated.csv.gz) * Core 01 Chemicals, All Industries (censusmicrozipcode2022\_YYYY\_core01\_aggregated.csv.gz)   **Aggregated Shapefiles**  <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/census_agg/shapefiles/>   * All Chemicals, All Industries (censusmicrozipcode2022\_YYYY\_aggregated.zip) * Core Chemicals, Original Industries (censusmicrozipcode2022\_YYYY\_core\_aggregated.zip) * Core 01 Chemicals, All Industries (censusmicrozipcode2022\_YYYY\_core01\_aggregated.zip) |
| **State Shapefiles for 2022 only**  These zip files contain shape files and associated files with aggregated grid cell level data for individual states. The files are only run for 2020, but each state file contains the x,y address for each cell in the state (regardless of whether the cell is affected by a release), and so can be used to extract data from national level grid cell files for other years. Users can merge these state level x,y addresses with either disaggregated Microdata files, or aggregated Microdata files. | **Census Block Crosswalks**  RSEI does not produce files at the Census block level, but does provide crosswalks from the grid cell to the block level. There is one crosswalk for each area and year for decennial Census years 1990, 2000, 2010. Note that the Northern Mariana Islands are in the Guam file and the Virgin Islands are in the Puerto Rico file. There are no crosswalks for Puerto Rico, the Virgin Islands, Mariana Islands, Guam, or American Samoa for 1990. For these areas, RSEI uses 2000 block boundaries and scales the population for each cell by the overall ratio of 1990/2000 population for each entire area.  For Census year 2020, there are additional crosswalks from grid to block group, census tract, and ZIP code.  Field descriptions can be found in the [RSEI Data Dictionary](https://www.epa.gov/rsei/rsei-data-dictionary-census-crosswalks). |
| <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/aggmicro/shp_bystate/2022/>   * All Chemicals, All Industries (st\_aggmicro2022.zip) where “st” is 2-character state abbreviation | <https://gaftp.epa.gov/rsei/Census_XWalks/> |
| **Water Geographic Microdata**  Water Microdata files come in two basic forms: yearly shapefiles containing toxicity-weighted concentrations for each affected flowline, and all-years discharge-based files which contain modeled concentrations for individual discharges at each downstream flowline. In both cases, on-site discharges from TRI reporters are distributed separately from discharges from publicly-owned treatment works (POTWs) resulting from off-site transfers from TRI reporters. |  |
| <http://abt-rsei.s3-website-us-east-1.amazonaws.com/?prefix=microdata2022/water/>  **Annual Aggregated Shapefiles for On-site Facilities**   * All Chemicals, All Industries   (NHDMicroResults\_Onsite\_YYYY.zip)   * Core Chemicals, Original Industries (NHDMicroResults\_OnsiteCore\_YYYY.zip) * Core 01 Chemicals, All Industries * (NHDMicroResults\_OnsiteCore01\_YYYY.zip)   **Annual Aggregated Shapefiles for Off-site Facilities**   * All Chemicals, All Industries   (NHDMicroResults\_Offsite\_YYYY.zip)   * Core Chemicals, Original Industries (NHDMicroResults\_OffsiteCore\_YYYY.zip) * Core 01 Chemicals, All Industries (NHDMicroResults\_OffsiteCore01\_YYYY.zip)   **All Years Discharges for On-site Facilities**   * All Chemicals, All Industries   (NHDMicroResults\_conc\_aggOnsite.zip)   * Core Chemicals, Original Industries (NHDMicroResults\_conc\_aggOnsiteCore.zip) * Core 01 Chemicals, All Industries (NHDMicroResults\_conc\_aggOnsiteCore01.zip)   **All Years Discharges for Off-site Facilities**   * All Chemicals, All Industries   (NHDMicroResults\_conc\_aggOffsite.zip)   * Core Chemicals, Original Industries (NHDMicroResults\_conc\_aggOffsiteCore.zip) * Core01 Chemicals, All Industries (NHDMicroResults\_conc\_aggOffsiteCore01.zip) |  |