



Table 1. Summary of Toray's Environmental and Social data in 2022

Scope	
Scope 1 GHG emissions ³	2,810,029 tCO ₂ e
GHG emissions relating supply to external organizations	189,570 tCO ₂ e
GHG emissions after deduction	2620,459 tCO ₂ e
Scope 2 GHG emissions ³ (Market-based)	2414,205 tCO ₂ e
GHG emissions relating supply to external organizations	118,430 tCO ₂ e
GHG emissions after deduction	2,295,775 tCO ₂ e
Scope 2 GHG emissions ³ (Location-based)	3,138,159 tCO ₂ e
GHG emissions relating supply to external organizations	135,250 tCO ₂ e
GHG emissions after deduction	3,002,909 tCO ₂ e
Scope 3 GHG emissions ³ (Categories 1, 2, 3, 4, 5, 6, 7, 8)	10,571,405 tCO ₂ e
1. Purchased Goods and Services	8,979,652 tCO ₂ e
2. Capital goods	396,219 tCO ₂ e
3. Fuel- and energy-related activities not Included in Scope 1 or Scope 2	944,586 tCO ₂ e
4. Upstream Transportation and Distribution	210,295 tCO ₂ e
5. Waste Generated in Operations	11,300 tCO ₂ e
6. Business Travel	6,039 tCO ₂ e
7. Employee Commuting	21,573 tCO ₂ e
8. Upstream Leased Assets	1,741 tCO ₂ e
Energy consumption ³	86,963,570 GJ
Industrial waste ^{4,5}	
Disposal amount	32,168 tonnes
Recycled amount	127,270 tonnes
Total amount of industrial waste	159,438 tonnes
The amount of industrial hazardous waste	898 tonnes
The amount of coal ash	80,752 tonnes
Water Use	166,167 K-t
Waste Water	143,913 k-t
SOx	232 tonnes
NOx	1,186 tonnes
Dust	77 tonnes
VOC	361 tonnes
COD	587 tonnes
Lost Time Injury and Occupational Illness Frequency Rate ⁶	—
TORAY INDUSTRIES, INC.	0.38
Affiliated companies	0.0
Consolidated subsidiaries in Japan	0.17
Overseas consolidated subsidiaries	0.44
Entire the scope	0.37
Contractors in Japan ⁷	0.68
Tier-1 Process Safety Events ⁸	0

LRQA's Approach

LRQA's assurance engagements are carried out in accordance with ISAE3000 (Revised) and ISO14064-3:2019 for GHG emissions. The following tasks though were undertaken as part of the evidence gathering process for this assurance engagement:

- Auditing the Company's data management systems to confirm that there were no significant errors, omissions or mis-statements in the report. We did this by reviewing the effectiveness of data handling procedures, instructions and systems, including those for internal verification.
- Interviewing with those key people responsible for compiling the data and drafting the report.
- Sampling datasets and tracing activity data back to aggregated levels;