



Table 1. Summary of Toray’s Environmental and Social data in 2023

Scope	
Scope 1 GHG emissions ³	2,685,584 tCO₂e
GHG emissions relating supply to external organizations	225,965 tCO₂e
GHG emissions after deduction	2,459,619 tCO₂e
Scope 2 GHG emissions ³ (Market-based)	2,403,940 tCO₂e
GHG emissions relating supply to external organizations	113,252 tCO₂e
GHG emissions after deduction	2,290,688 tCO₂e
Scope 2 GHG emissions ³ (Location-based)	2,459,650 tCO₂e
GHG emissions relating supply to external organizations	111,568 tCO₂e
GHG emissions after deduction	2,348,081 tCO₂e
Scope 3 GHG emissions ³ (Categories 1, 2, 3, 4, 5, 6, 7, 8)	10,294,017 tCO₂e
1. Purchased Goods and Services	8,596,874 tCO₂e
2. Capital goods	517,923 tCO₂e
3. Fuel- and energy-related activities not Included in Scope 1 or Scope 2	956,125 tCO₂e
4. Upstream Transportation and Distribution	183,697 tCO₂e
5. Waste Generated in Operations	8,560 tCO₂e
6. Business Travel	6,006 tCO₂e
7. Employee Commuting	21,308 tCO₂e
8. Upstream Leased Assets	3,524 tCO₂e
Energy consumption ³	88,223,134 GJ
Industrial waste ^{4,5}	
Disposal amount	28,410 tonnes
Recycled amount	96,781 tonnes
Total amount of industrial waste	125,191 tonnes
The amount of industrial hazardous waste	1,660 tonnes
The amount of coal ash	72,118 tonnes
Water Use s	160,874 K-t
Waste Water	139,088 K-t
NOx	1,135 tonnes
SOx	226 tonnes
VOC	307 tonnes
Dust	86 tonnes
COD	534 tonnes
Lost Time Injury and Occupational Illness Frequency Rate ⁶	—
TORAY INDUSTRIES, INC.	0.19
Affiliated companies	0.0
Consolidated subsidiaries in Japan	0.11
Overseas consolidated subsidiaries	0.64
Entire the scope	0.40
Contractors in Japan ⁷	0.0
Number of fatalities	0 s
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.