

# Corporate Responsibility Report 2022

## Supplement

Quest Diagnostic's Corporate Responsibility Report 2022 included an overview of our climate action, waste reduction, and water stewardship efforts. As an organization committed to conserving resources and transitioning our business to a lower carbon economy, we continue to increase the transparency and improve the quality of our reporting. The tables below include Scope 1, Scope 2, and Scope 3 data for 2022. For additional details on our Environmental Sustainability program, please see our [corporate site](#) in addition to our [Corporate Responsibility Report 2022](#).

Data in the following tables include estimates. The following US federal agency sources were used to estimate utility usage and related emissions factors when not available from other sources:

- Energy Information Administration Commercial Building Energy Consumption Surveys (CBECS)
- US Environmental Protection Agency Emissions & Generation Resource Integrated Database, Emission Factor Hub (2023), and Supply Chain Greenhouse Gas Emission Factors v1

These data cover 100% of our operations in the United States, Puerto Rico, and Mexico

**Table 1: GHG Emissions (Metric tons CO<sub>2</sub>e per 1M test requisitions)**

Measure	2022 <sup>a,b</sup>
Scope 1 CO <sub>2</sub> e	516
Scope 2 CO <sub>2</sub> e	485
Scope 3	3,944

<sup>a</sup>ERM Certification and Verification Services (ERM CVS) conducted independent third-party assurance of year 2022 Scope 1, Scope 2, and Scope 3 Category 1 & 4.

<sup>b</sup>Scope 1 emissions include estimates for natural gas consumption using CBECS data. This represents ~40% of the total natural gas consumption. No estimation was applied to facilities who confirmed they do not use natural gas.

**Table 2: Scope 1 GHG Emissions (Metric Tons CO<sub>2</sub>e)**

Measure	2022
Mobile Fuels	72,268
Facility Fuels <sup>c</sup>	18,872
Refrigerants <sup>d</sup>	4,293
Process Emissions	5,506
Dry Ice	6,289
<b>Total Scope 1 Emissions (Metric Tons CO<sub>2</sub>e)</b>	<b>107,228</b>

<sup>c</sup>Scope 1 emissions include estimates for natural gas consumption using CBECS data. This represents ~40% of the total natural gas consumption. No estimation was applied to facilities who confirmed they do not use natural gas.

<sup>d</sup>Where available, refrigerant emissions are calculated using the mass balance approach based on primary data. The majority of refrigerant emissions are estimated using an intensity ratio based on 4 archetypes. These ratios assume a default leak rate and minimum refrigeration capacity, based on the IPCC's 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 3: Industrial Processes and Product Use (Table 7.9). This is a change from our 2021 methodology, which assumed larger refrigeration capacities.

**Table 3: Scope 2 GHG Emissions (Metric Tons CO<sup>2</sup>e)**

Measure	2022	
	Location-based	Market-based
Purchased Electricity <sup>e</sup>	99,994	90,754
Steam & Chilled Water	859	859
<b>Total Scope 2 Emissions (Metric Tons CO<sup>2</sup>-e)</b>	<b>100,853</b>	<b>91,613</b>

<sup>e</sup> Scope 2 emissions include estimates for electricity consumption using CBECS data. This represents ~20% of the total electricity consumption.

**Table 4: Scope 3 GHG Emissions (Metric Tons CO<sup>2</sup>e)**

Measure	2022
Category 1: Purchased Goods & Services <sup>f</sup>	512,089
Category 3: Fuel & Energy Related Activities	57,497
Category 4: Upstream Transportation & Distribution <sup>f</sup>	74,077
Category 5: Waste Generated in Operations	17,550
Category 6: Business Travel	14,125
Category 7: Employee Commuting	145,072
<b>Total Scope 3 Emissions (Metric Tons CO<sup>2</sup>e)</b>	<b>820,410</b>

<sup>f</sup> Category 1 and 4 emissions are calculated primarily using a spend-based method as defined in the GHG Protocol's Scope 3 Calculation Guidance (~2% of Quest's total spend is calculated using a supplier-specific method). ~83.5% of Quest's total spend data is manually mapped by internal procurement categorizations to NAICS categories aligned with the emissions factor dataset. The remaining 14.5% of Quest's total spend represents >6000 suppliers. Following the GHG Protocol's Scope 3 Calculation Guidance on sampling, Quest used random sampling to develop a custom, Quest-specific emissions factor to apply to the remaining spend.

**Table 5: Waste by Type (Metric tons per 1M test requisitions)**

Measure	2022
General Waste	83.4
Biohazardous Waste	43.3
Chemical Waste	11.1
Recycling	80.2

**Table 6: Water Consumption (1,000m<sup>3</sup>) per 1M test requisitions**

Measure	2022
Water Consumption	3.59

# Independent Limited Assurance Report to Quest Diagnostics Incorporated

ERM Certification & Verification Services Incorporated (“ERM CVS”) was engaged by Quest Diagnostics Incorporated (“Quest Diagnostics”) to provide limited assurance in relation to the selected information set out below and presented in the 2022 supplement to the Quest Diagnostics 2022 Corporate Responsibility Report (the “Report Supplement”).

Engagement summary																	
<b>Scope of our assurance engagement</b>	<p>Whether the 2022 data for the following selected disclosures, as indicated on page 1 and 2 are fairly presented in the Report Supplement, in all material respects, in accordance with the reporting criteria.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #008080; color: white;">Disclosure</th> <th style="background-color: #008080; color: white;">Unit</th> </tr> </thead> <tbody> <tr> <td>Scope 1 Greenhouse Gas Emissions</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Scope 2 Greenhouse Gas Emissions (location-based)</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Scope 2 Greenhouse Gas Emissions (market-based)</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Total Scope 1 and 2 Greenhouse Gas Emissions</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Scope 3 – Category 1: Purchased Goods and Services</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Scope 3 – Category 4: Upstream Transportation and Distribution</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> <tr> <td>Scope 3 – Category 5: Waste generated in operations</td> <td>metric tons of CO<sub>2</sub>e</td> </tr> </tbody> </table> <p>Our assurance engagement does not extend to information in respect of earlier periods or to any other information included in the Report Supplement.</p>	Disclosure	Unit	Scope 1 Greenhouse Gas Emissions	metric tons of CO <sub>2</sub> e	Scope 2 Greenhouse Gas Emissions (location-based)	metric tons of CO <sub>2</sub> e	Scope 2 Greenhouse Gas Emissions (market-based)	metric tons of CO <sub>2</sub> e	Total Scope 1 and 2 Greenhouse Gas Emissions	metric tons of CO <sub>2</sub> e	Scope 3 – Category 1: Purchased Goods and Services	metric tons of CO <sub>2</sub> e	Scope 3 – Category 4: Upstream Transportation and Distribution	metric tons of CO <sub>2</sub> e	Scope 3 – Category 5: Waste generated in operations	metric tons of CO <sub>2</sub> e
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<b>Reporting period</b>	January 1 <sup>st</sup> , 2022 – December 31 <sup>st</sup> , 2022																
<b>Reporting criteria</b>	<ul style="list-style-type: none"> <li>The GHG Protocol Corporate Accounting and Reporting Standard (WBCSD/WRI Revised Edition 2015) for the Scope 1 and 2 GHG emissions;</li> <li>The GHG Protocol Technical Guidance for Calculating Scope 3 Emissions (Version 1.0, 2013) for the Scope 3 GHG emissions</li> <li>Quest Diagnostics’s internal reporting criteria and definitions</li> </ul>																
<b>Assurance standard and level of assurance</b>	<p>We performed a limited assurance engagement, in accordance with the International Standard on Assurance Engagements ISAE 3000 (Revised) ‘Assurance Engagements other than Audits or Reviews of Historical Financial Information’ issued by the International Auditing and Assurance Standards Board (IAASB).</p> <p>The procedures performed in a limited assurance engagement vary in nature and timing from and are less in extent than for a reasonable assurance engagement and consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.</p>																
<b>Respective responsibilities</b>	<p>Quest Diagnostics is responsible for preparing the Report Supplement, for the collection and presentation of the information within it, and for the designing, implementing, and maintaining of internal controls relevant to the preparation and presentation of the Report Supplement.</p> <p>ERM CVS’ responsibility is to provide conclusions to Quest Diagnostics on the agreed scope based on our engagement terms with Quest Diagnostics, the assurance activities performed, and exercising our professional judgement.</p>																

## Our conclusion

Based on our activities, as described below, nothing has come to our attention to indicate that the 2022 data and information for the disclosures listed under ‘Scope’ are not fairly presented, in all material respects, in accordance with the reporting criteria.

## Our assurance activities

Considering the level of assurance and our assessment of the risk of material misstatement of the Report Supplement, a multi-disciplinary team of sustainability and assurance specialists performed a range of procedures that included, but was not restricted to, the following:

- Assessing the appropriateness of the reporting criteria for the Report Supplement.
- Interviews with relevant staff to understand and evaluate the relevant management systems and processes (including internal review and control processes) used for collecting and reporting the selected disclosures.
- A review at the Corporate level of a sample of qualitative and quantitative evidence supporting the reported information.
- An analytical review of the year-end data submitted by all locations included in the consolidated 2022 group data for the selected disclosures which included testing the completeness and mathematical accuracy of conversions and calculations, and consolidation in line with the stated reporting boundary.
- In-person visits to two Quest facilities in the USA, to interview local site personnel and to review local reporting systems and controls.
- Confirming conversion and emission factors and assumptions used.
- Reviewing the presentation of information relevant to the scope of our work in the Report Supplement to ensure consistency with our findings.

## The limitations of our engagement

The reliability of the assured information is subject to inherent uncertainties, given the available methods for determining, calculating, or estimating the underlying information. It is important to understand our assurance conclusions in this context. Additionally, where performance is based on waste generated data, we have placed reliance on the data as given.

## Our independence, integrity, and quality control

ERM CVS is an independent certification and verification body accredited by UKAS to ISO 17021:2015. Accordingly we maintain a comprehensive system of quality control, including documented policies and procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements. Our quality management system is at least as demanding as the relevant sections of ISQM-1 and ISQM-2 (2022).

ERM CVS applies a Code of Conduct and related policies to ensure that its employees maintain integrity, objectivity, professional competence and high ethical standards in their work. Our processes are designed and implemented to ensure that the work we undertake is objective, impartial and free from bias and conflict of interest. Our certified management system covers independence and ethical requirements that are at least as demanding as the relevant sections of the IESBA Code relating to assurance engagements.

ERM CVS has extensive experience in conducting assurance on environmental, social, ethical and health and safety information, systems and processes, and provides no consultancy related services to Quest in any respect.



Andrea Duque  
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May 2, 2024