



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Memorandum

DATE: February 21, 2020

SUBJECT: Transmission of Background Materials and Charge to the Panel for the March 24-26, 2020 Session of the Toxic Substances Control Act's Scientific Advisory Committee on Chemicals (TSCA SACC) Reviewing Draft Risk Evaluation for Trichloroethylene (TCE)

TO: Steven Knott
Executive Secretary
FIFRA Scientific Advisory Panel Staff
Office of Science Coordination and Policy

FROM: Sheila Canavan, Acting Director 
Risk Assessment Division
Office of Pollution Prevention and Toxics

Transmitted with this memo are copies of the EPA Draft Risk Evaluation for Trichloroethylene (TCE), all background documents, and the charge to the Panel for the March 24-26, 2020 session of the TSCA SACC reviewing the Draft Risk Evaluation for Trichloroethylene (TCE). These documents do not contain any information protected under statute as Confidential Business Information (CBI). In addition, these materials do not include information protected by copyright. The attached documents have also completed QA/QC review within OPPT and are listed below in the attached Table 1. The referenced letters in front of each document name refer to Appendix B of the Risk Evaluation, where they are all listed.

For the PBPK Model (Item #27 in Table 1), A DVD with these materials is available in the docket reading room (for location and additional information: <https://www.epa.gov/dockets/epa-docket-center-reading-room>), with the docket ID# EPA-HQ-OPPT-2019-0500.

Attachment

Table 1: Transmission of Background Materials and Charge to the Panel for the March 24-26, 2020 Session of the Toxic Substances Control Act's Scientific Advisory Committee on Chemicals (TSCA SACC) Reviewing Draft Risk Evaluation for Trichloroethylene (TCE)

File Name [Full Document Title]	Author(s)	Date	Indicate Whether © Protected, CBI, or NA=release to public	QA/QC Completed (Mark with an X)
1_Draft Risk Evaluation for Trichloroethylene (TCE)	U.S. EPA/OPPT	February, 2020	NA	X
2_Draft Charge to the Panel for Trichloroethylene (TCE)	U.S. EPA/OPPT	February, 2020	NA	X
3_TCE Data Quality Evaluation of Physical-Chemical Properties Studies.pdf [a. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Physical-Chemical Properties Studies]	U.S. EPA/OPPT	February, 2020	NA	X
4_TCE Data Quality Evaluation of Environmental Fate and Transport Studies.pdf [b. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Environmental Fate and Transport Studies]	U.S. EPA/OPPT	February, 2020	NA	X
5_TCE Data Extraction for Environmental Fate and Transport Studies.pdf [c. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Extraction for Environmental Fate and Transport Studies]	U.S. EPA/OPPT	February, 2020	NA	X
6_TCE Data Quality Evaluation of Environmental Releases and Occupational Exposure Data.pdf [d. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Environmental Releases and Occupational Exposure Data]	U.S. EPA/OPPT	February, 2020	NA	X
7_TCE Data Quality Evaluation of Environmental Releases and Occupational Exposure Common Sources.pdf [e. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Environmental Releases and Occupational Exposure Common Sources]	U.S. EPA/OPPT	February, 2020	NA	X
8_TCE List of Key and Supporting Studies for Environmental Releases and Occupational Exposure.pdf [f. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: List of Key and Supporting Studies for Environmental Releases and Occupational Exposure]	U.S. EPA/OPPT	February, 2020	NA	X
9_TCE Data Quality Evaluation for Data Sources on Consumer and Environmental Exposure.pdf [g. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation for Data Sources on Consumer and Environmental Exposure]	U.S. EPA/OPPT	February, 2020	NA	X
10_TCE Data Extraction Tables for Environmental Monitoring Data.pdf	U.S. EPA/OPPT	February, 2020	NA	X

File Name [Full Document Title]	Author(s)	Date	Indicate Whether © Protected, CBI, or NA=release to public	QA/QC Completed (Mark with an X)
[h. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Extraction Tables for Environmental Monitoring Data]				
11_TCE Data Extraction for Biomonitoring Data.pdf [i. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Extraction for Biomonitoring Data]	U.S. EPA/OPPT	February, 2020	NA	X
12_TCE Data Quality Evaluation of Environmental Hazard Studies.pdf [j. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Environmental Hazard Studies]	U.S. EPA/OPPT	February, 2020	NA	X
13_TCE Data Extraction for Environmental Hazard Studies.pdf [k. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Extraction for Environmental Hazard Studies]	U.S. EPA/OPPT	February, 2020	NA	X
14_TCE Data Quality Evaluation of Human Health Hazard Studies - Animal and Mechanistic Data.pdf [l. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Human Health Hazard Studies - Animal and Mechanistic Data]	U.S. EPA/OPPT	February, 2020	NA	X
15_TCE Data Quality Evaluation of Human Health Hazard Studies - Epidemiological Data.pdf [m. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Quality Evaluation of Human Health Hazard Studies - Epidemiological Data]	U.S. EPA/OPPT	February, 2020	NA	X
16_TCE Updates to the Data Quality Criteria for Epidemiological Studies.pdf [n. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Updates to the Data Quality Criteria for Epidemiological Studies]	U.S. EPA/OPPT	February, 2020	NA	X
17_TCE Data Extraction for Human Health Hazard Studies.pdf [o. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: Data Extraction for Human Health Hazard Studies]	U.S. EPA/OPPT	February, 2020	NA	X
18_TCE List of Key and Supporting Studies for Human Health Hazard Assessment.pdf [p. Risk Evaluation for Trichloroethylene, Systematic Review Supplemental File: List of Key and Supporting Studies for Human Health Hazard Assessment]	U.S. EPA/OPPT	February, 2020	NA	X
19_TCE Environmental Releases and Occupational Exposure Assessment.pdf	U.S. EPA/OPPT	February, 2020	NA	X

File Name [Full Document Title]	Author(s)	Date	Indicate Whether © Protected, CBI, or NA=release to public	QA/QC Completed (Mark with an X)
[q. Risk Evaluation for Trichloroethylene, Supplemental Information File: Environmental Releases and Occupational Exposure Assessment]				
20_TCE Risk Calculator for Occupational Exposures.xlsx [r. Risk Evaluation for Trichloroethylene, Supplemental Information File: Risk Calculator for Occupational Exposures]	U.S. EPA/OPPT	February, 2020	NA	X
21_TCE Aquatic Exposure Modeling Outputs from E-FAST.pdf [s. Risk Evaluation for Trichloroethylene, Supplemental Information File: Aquatic Exposure Modeling Outputs from E-FAST]	U.S. EPA/OPPT	February, 2020	NA	X
22_TCE Consumer Exposure Assessment Model Input Parameters.xlsx [t. Risk Evaluation for Trichloroethylene, Supplemental Information File: Consumer Exposure Assessment Model Input Parameters]	U.S. EPA/OPPT	February, 2020	NA	X
23_TCE Exposure Modeling Results and Risk Estimates for Consumer Inhalation Exposures.xlsx [u. Risk Evaluation for Trichloroethylene, Supplemental Information File: Exposure Modeling Results and Risk Estimates for Consumer Inhalation Exposures]	U.S. EPA/OPPT	February, 2020	NA	X
24_TCE Exposure Modeling Results and Risk Estimates for Consumer Dermal Exposures.xlsx [v. Risk Evaluation for Trichloroethylene, Supplemental Information File: Exposure Modeling Results and Risk Estimates for Consumer Dermal Exposures]	U.S. EPA/OPPT	February, 2020	NA	X
25_TCE Data Table for Congenital Heart Defects Weight of Evidence Analysis.xlsx [w. Risk Evaluation for Trichloroethylene, Supplemental Information File: Data Table for Developmental Cardiac Toxicity Weight of Evidence Analysis]	U.S. EPA/OPPT	February, 2020	NA	X
26_TCE Personal Communication to OPPT - Raw Data Values from Selgrade and Gilmour, 2010.xlsx [x. Risk Evaluation for Trichloroethylene, Supplemental Information File: Personal Communication to OPPT. Raw Data Values from Selgrade and Gilmour, 2010]	U.S. EPA/OPPT	February, 2020	NA	X
27_TCE PBPK Model (available on DVD in the Docket Reading Room and on the following website: https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/draft-risk-evaluation-trichloroethylene)	U.S. EPA/OPPT	February, 2020	NA	X

File Name [Full Document Title]	Author(s)	Date	Indicate Whether © Protected, CBI, or NA=release to public	QA/QC Completed (Mark with an X)
28_Memorandum_NIOSH_BLS Respirator Usage in Private Sector Firms.pdf [z. Risk Evaluation for Trichloroethylene, Supplemental Information File: Memorandum_NIOSH_BLS Respirator Usage in Private Sector Firms]	U.S. EPA/OPPT	February, 2020	NA	X