	Record Nr.	UNINA9910829040903321
	Titolo	Spacecraft maximum allowable concentrations for selected airborne contaminants . Volume 1 / / Subcommittee on Spacecraft Maximum Allowable Concentrations, Committee on Toxicology, Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council
	Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1994
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (235 p.)
	Disciplina	629.477
	Soggetti	Space cabin atmospheres Space vehicles - Air pollution Space vehicles - Air quality - Standards Space vehicles - Contamination Space vehicles - Environmental aspects Toxicology - Research - United States
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"The project was supported by the National Aeronautics and Space Administration grant no. NAGW-2239."
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	""Spacecraft Maximum Allowable Concentrations for Selected Airborne Contaminants""; ""Copyright""; ""Preface""; ""Contents""; ""Spacecraft Maximum Allowable Concentrations for Selected Airborne Contaminants""; ""INTRODUCTION""; ""SUMMARY OF REPORT ON GUIDELINES FOR DEVELOPING SMACS""; ""REVIEW OF SMAC REPORTS""; ""REFERENCES""; ""Appendix A Executive Summary of Guidelines for Developing Spacecraft Maximum Allowable Concentration for Space Stationa€?""; ""EXECUTIVE SUMMARY: SPACECRAFT MAXIMUM ALLOWABLE CONCENTRATIONS FOR SPACE STATION CONTAMINANTS"" ""ENVIRONMENTAL CONTROL AND LIFE-SUPPORT SYSTEM"""" MODIFICATION OF CONTAMINANT TOXICITY BY ENVIRONMENTAL FACTORS""; "SOURCES AND TYPES OF DATA FOR ESTABLISHMENT OF SMACS"; "Chemical-Physical Characteristics of Toxicants""; ""In Vitro Toxicity Studies""; ""Animal Toxicity Studies""; ""Clinical and

1.

Epidemiological Observations""; ""Pharmacokinetics and Metabolism""; "Biological Markers""; ""RISK ASSESSMENT (DEVELOPMENT OF EXPOSURE CRITERIA)""; ""ISSUES IN MAKING RECOMMENDATIONS FOR THE ESTABLISHMENT OF SMACS"" "Appendix B Reports on Spacecraft Maximum Allowable Concentrations (SMACs) for Selected Airborne Contaminants""""B1 ACETALDEHYDE""; ""PHYSICAL AND CHEMICAL PROPERTIES""; "OCCURRENCE AND USE""; ""PHARMACOKINETICS AND METABOLISM""; ""TOXICITY SUMMARY""; ""Acute Toxicity""; ""Mucosal Irritation""; ""Miscellaneous Mucosal Effects""; ""Lethality""; ""Subchronic and Chronic Toxicity"; ""Nasal Toxicity"; ""Pulmonary and Renal Toxicitv": "Carcinogenicity""; ""Genotoxicity""; ""Reproductive and Developmental Toxicity"; ""Synergistic Effects""; ""RATIONALE""; ""Carcinogenicity"" ""Mucosal Irritation""""The Establishment of SMACs""; ""REFERENCES""; ""B2 AMMONIA"": ""PHYSICAL AND CHEMICAL PROPERTIES"": ""OCCURRENCE AND USE""; ""PHARMACOKINETICS AND METABOLISM""; ""TOXICITY SUMMARY""; ""Mechanisms of Tissue Injuries""; ""Mucosal Irritation in Naive Subjects"; ""Mucosal Irritation in Adapted Subjects"; ""Mucosal Irritation in Subjects Of Unknown Adaptation Status""; ""Toxic Effects of Massive Exposures""; ""Animal Models of Ammonia's Respiratory Damage""; ""Metabolic Acidosis""; ""RATIONALE""; ""1-h SMAC and 24-h SMAC""; ""7-d SMAC""; ""30-d SMAC and 180-d SMAC"" ""REFERENCES""""B3 CARBON MONOXIDE""; ""PHYSICAL AND CHEMICAL PROPERTIES"": ""OCCURRENCE AND USE"": ""PHARMACOKINETICS"": ""TOXICITY SUMMARY""; ""Acute Toxicity""; ""Adaptation""; ""Subchronic and Chronic Toxicity""; ""Synergistic Effects""; ""RATIONALE""; ""1-h SMAC""; ""24-h SMAC""; ""7-d SMAC""; ""30-d SMAC and 180-d SMAC""; "1-h and 24-h SMACs Immediately Following CO Exposure"; ""REFERENCES""; ""B4 FORMALDEHYDE""; ""PHYSICAL AND CHEMICAL PROPERTIES""; ""OCCURRENCE AND USE""; ""PHARMACOKINETICS AND METABOLISM""; ""TOXICITY SUMMARY""; ""Acute Toxicity"" ""Subchronic and Chronic Toxicity""