

PFOS Aquatic Life Studies

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Mysid Studies

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0094	Acute Toxicity to Saltwater Mysid - Summary	2000
226-0095	Acute Toxicity to Saltwater Mysid - Final Report	2000
226-1758	Addendum: Acute Toxicity to Saltwater Mysid	2000
226-0100	Chronic Toxicity to Saltwater Mysid: Summary	2000
226-0101	A Flow-Through Life-Cycle Toxicity Test with the Saltwater Mysid - Final Report	2000

***Daphnia* spp.**

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0123	Summary of Testing Performed 1977-1979	1979
STS-101	Static Acute Toxicity Test	1985
226-0112	Acute Toxicity to Aquatic Invertebrates (e.g. <i>Daphnia</i>)	1994
226-0086	A 48-Hour Static Acute Toxicity Test with the Cladoceran (<i>Daphnia magna</i>) - Summary	2000
226-0087	A 48-Hour Static Acute Toxicity Test with the Cladoceran (<i>Daphnia magna</i>) - Final Report	2000
226-1761	Addendum: 226-0086 and 226-0087	2000
226-0098	Chronic Toxicity to <i>Daphnia magna</i> - Summary	1999
226-0099	Chronic Toxicity to <i>Daphnia magna</i> - Final Report	2000
226-1766	Addendum: 226-0098 and 226-0099	2000
226-0110	Acute Static and Chronic Renewal Testing on <i>Daphnia magna</i>	1984
STS-104	Publ. Study: Effects of PFOS on Aquatic Plants and <i>Daphnia</i> spp.	2002
STS-201	Publ. Study: Effects of PFOS and PFOA on Zooplankton Community	2004
STS-322	Acute Toxicity to <i>Daphnia</i> - Summary	1991
STS-323	Acute Toxicity to <i>Daphnia</i> - Technical Report Summary	1981
STS-324	Acute Toxicity of PFOS to <i>Daphnia</i>	1996

Oyster

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0088	Acute Eastern Oyster Shell Deposition Study: PFOS - Summary	2000
226-0089	Acute Eastern Oyster Shell Deposition Study: PFOS - Final Report	2000
226-1763	Addendum: 226-0088 and 226-0089	2000
STS-106	Publ. Study: PFOS in Oysters in Gulf of Mexico and Chesapeake Bay	2001

Mussel

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0090	Acute Toxicity to Freshwater Mussel - Summary	2000
226-0091	Acute Toxicity to Freshwater Mussel - Final Report	2000
226-1762	Addendum: 226-0090 and 226-0091	2000

Ecosystem Effects

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-107	Publ. Study: Zooplankton Response to PFOS	2003
STS-105	Publ. Study: Effects of PFOS/PFOA on Zooplankton Community	2003
STS-202	Publ. Study: Effects of PFOS on Zooplankton Community - Indoor Microcosms	2002

Brine Shrimp

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-109	Acute Toxicity of PFOS to <i>Artemia</i>	1985

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Grass Shrimp/ Mummichog/ Fiddler Crab

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-325	Acute Toxicity of PFOS to Grass Shrimp, Mummichog and Fiddler Crab	1974

C. tentans

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-110	Publ. Study: Toxicity of PFOS/PFOA to <i>C. tentans</i>	2004

Fathead Minnow

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-112	Publ. Study: Short-term Exposure of Fish to PFOS	2004
226-0123	Summary of Testing Performed 1977-1979	1979
226-0111	Acute Toxicity of PFOS to <i>Pimephales promelas</i>	1994
226-0534	Acute Toxicity of PFOS to <i>Pimephales promelas</i>	1996
226-0082	Acute Toxicity of PFOS to <i>Pimephales promelas</i> - Summary	2000
226-0083	Acute Toxicity of PFOS to <i>Pimephales promelas</i> - Final Report	2000
226-1759	Addendum: 226-0082 and 226-0083	2000
226-0096	Chronic Toxicity of PFOS to <i>Pimephales promelas</i> - Summary	2000
226-0097	Chronic Toxicity of PFOS to <i>Pimephales promelas</i> - Final Report	2000
226-1765	Addendum: 226-0096 and 226-0097	2000
226-0107	Chronic Toxicity of PFOS to <i>Pimephales promelas</i> - Summary	1978
226-0108	Effects of Aqueous Exposure of PFOS on Hatchability of Eggs and Growth and Survival	1978
226-0358	Effects of Aqueous Exposure of PFOS on Hatchability of Eggs and Growth and Survival	1978
STS-326	Publ. Study: Reproductive and Dvlpmntl. Tox. and Biocon. Test with the Fathead minnow	2005

Sheepshead Minnow

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-327	Static Renewal Toxicity Test - Sheepshead minnow	2001

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Bluegill

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-1755	Acute Toxicity to Bluegill Sunfish - Summary	1978
226-1756	Acute Toxicity to Bluegill Sunfish - Laboratory Data Sheet	1978
226-0115	96-Hour Acute Toxicity Test with Bluegill Sunfish	1979
226-0123	Summary of Testing Performed 1977-1979	1979

Frog

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-113	Frog Embryo Teratogenesis Test - <i>Xenopus</i>	2001
STS-114	Publ. Study: Toxicity Study on the Leopard Frog	2002
STS-333	Acute Toxicity of PFOS to Spring Peeper Tadpole	2007

Algae - *Anabaena*

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0186	A 96-Hour Toxicity Test with <i>Anabaena</i> - Protocol	1999

Algae - *Selenastrum*

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0106	Semi-chronic Toxicity of PFOS to <i>Selenastrum capricornutum</i>	1981
STS-319	Acute Toxicity of PFOS to <i>Selenastrum capricornutum</i>	1991
226-0536	Acute Toxicity of PFOS to <i>Selenastrum capricornutum</i>	1997
226-0084	A 96-Hour Toxicity Test with the Freshwater Algae (<i>S. capricornutum</i>)	2000
226-0085	A 96-Hour Toxicity Test with the Freshwater Algae (<i>S. capricornutum</i>)	2000
226-1760	Addendum: 226-0084 and 226-0085	2000
STS-104	Publ. Study: Evaluation of PFOS Toxicity to Aquatic Plants and <i>Daphnia</i> spp.	2002

Algae - *Skeletonema*

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-117	96-Hour Tox. Test with Marine Diatom - <i>Skeletonema costatum</i>	2001

Duckweed

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-104	Publ. Study: Evaluation of PFOS Toxicity to Aquatic Plants and <i>Daphnia</i> spp.	2002
226-0189	A 7-Day Toxicity Test with Duckweed (<i>Lemna gibba</i>)	1999

Diatom

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-118	96-Hour Tox. Test - <i>Navicula pelliculosa</i>	2001

Microtox Assay

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0113	Microbics Microtox Toxicity Test - <i>Photobacterium phosphoreum</i>	1994
226-0538	Microbics Microtox Toxicity Test - <i>Photobacterium phosphoreum</i>	1997

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Algae - Chlorella

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-104	Publ. Study: Evaluation of PFOS Toxicity to Aquatic Plants and Daphnia spp.	2002

Milfoil

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-108	Microcosm Evaluation of PFOS Toxicity to Aquatic Plants	2004

Rainbow Trout

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-320	Acute Toxicity of PFOS to Rainbow Trout	1974
226-0123	Summary of Testing Performed 1977-1979	1979
STS-321	Acute Toxicity of PFOS to Rainbow Trout	2002
STS-112	Publ. Study: Short-term Exposure of Fish to PFOS	2004

Oligochaete

STS-334	Acute Toxicity of PFOS to <i>Lumbriculus variegatus</i>	2007
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Amphipod

STS-332	Acute Toxicity of PFOS to <i>Hyalella azteca</i>	2007
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Biodegradation Studies

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-156	18-Day Biodegradation Study of PFCs	2001
226-0057	Aerobic Biodegradation: PFOS - Two Studies	1976/1978
226-0059	Aerobic Biodegradation: PFOS, DEA-Salt	1979
226-0058	Aerobic Biodegradation: PFOS, Li-Salt	1994
STS-300	35-Day Aerobic Biodegradation Study of PFOS	2001
STS-301	Microbial Metabolism of PFOS - Activated Sludge/Sediment	2000
STS-302	Microbial Metabolism of PFOS - Aerobic Soil Biodegradation	2000
STS-303	Microbial Metabolism of PFOS - Anaerobic Sludge Biodegradation	2000
STS-123	Publ. Study: PFOS - Mobile Anionic Surfactant, Ubiquitously found in the Environment	2004
STS-124	Publ. Study: Defluorination of Organofluorine Sulfur Comp. By Pseudomonas Sp. Strain D2	1998

Melting Point

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0203	Chemical Property Data Summary	2000
226-0045	Determining Melting Point/Melting Point Range of PFOS	1999
STS-304	Internal Document - Melting Point of CS-2070	1981

Vapor Pressure

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0049	Determining the vapor pressure of PFOS using Spinning Rotor Gauge Method	1998
226-0048	Determining the vapor pressure of PFOS using Spinning Rotor Gauge Method	1999
226-0047	Vapor Pressure: PFOS - Report Summary	1999
STS-402	Impinger Study of PFOS and PFOA	1993

Abiotic Degradation Studies

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0056	Photodegradation: PFOS	1978
226-0184	Abiotic Degradation Studies (Hydrolysis and Photolysis)	2000
STS-125	Hydrolysis Reactions with PFOS	2001
STS-126	Aqueous Photolytic Degradation Study of PFOS	2001

Octanol-Water Coefficient

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0050	Octanol-Water Coefficient: PFOS	1999
STS-127	Analytical Data Summary: K_{OW} Calculation	2001
226-0366	Technical Comments	1993

Soil Binding Studies

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0055	Soil Absorption: PFOS and Follow-up Summary	1978
226-1107	Soil Absorption/Desorption Study for Potassium PFOS	2001

Air-Water Coefficient

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0051	Air/Water Coefficient: PFOS	1999

Reported Environmental Concentrations

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
STS-305	Technical Comments - DNER	None
226-0060	Transport between Environ. Compartments (Fugacity): PFOS	1999
226-0620	Sulfonated Perfluorochemicals in the Environment	2000
226-1278	Environmental Survey of PFOS in Japan	2002
STS-128	Publ. Study: Atmospheric Deposition of PFCs - Surface Water	2005
STS-203	Publ. Study: PFOS - Ubiquitously Found in Environment	2004

Water Solubility

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0054	Water Solubility: PFOS - Test Summary	2000
226-0052	Determining the Water Solubility of PFOS by the Shake Flask Method	2000
226-1768	Addendum: 226-0052	2000
STS-306	Water Solubility - Technical Report Summary	1981
STS-307	Solubility in Water - TOC - Test Summary - Xertex	1982
STS-129	Solubility of PFOS in Water	2001
226-1767	Determining the Solubility of PFOS in Freshwater, Saltwater and FW Algal Medium	2000
STS-130	Seawater Solubility of PFOS	2001
STS-308	Internal Communication	1981
STS-309	Solubility Calculation of FC-90 from Dist. Coeff.	1982

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Bioaccumulation Studies

<u>Article No.</u>	<u>Title</u>	<u>Year</u>
226-0061	Bioaccumulation: PFOS in Bluegill sunfish	1978
STS-131	Publ. Study: Fluorinated Organics in Biosphere	1997
STS-132	Publ. Study: Accumulation of PFOS in Marine Mammals	2001
STS-133	Publ. Study: Perfluorinated Acids in Livers of Birds from Japan and Korea	2002
STS-134	Publ. Study: PFOS in Mink and River Otters from U.S.	2002
STS-135	Publ. Study: PFOS and Related Fluorinated Hydrocarbons in Marine Mammals	2002
STS-136	Publ. Study: Perfluorinated Chemicals Infiltrate Ocean Waters	2003
STS-137	Publ. Study: Survey of PFOS in Water, Fish, Birds, and Humans from Japan	2003
STS-138	Publ. Study: Atmospheric Perfluorocarbons	2003
STS-139	Publ. Study: Impact of Airborne PFOS on the Human Body and the Ecosystem	2003
STS-140	Publ. Study: PFOS in Bib and Plaise	2003
STS-141	Publ. Study: PFOS in North Sea Aquatic Invertebrates	2003
STS-142	Perfluoroalkyl Contaminants in a Food Web from Lake Ontario	2004
STS-160	Publ. Study: Bioconcentration And Tissue Distribution Of PFCs in Rainbow Trout	2003
STS-123	Publ. Study: PFOS: Ubiquitous in Environment	2004
STS-204	Publ. Study: PFOS and Other PFCs in Fish, Birds and Marine Mammals	2005
STS-205	Publ. Study: Polyfluoroalkyl Compounds in Bottlenose Dolphins	2005
STS-206	Publ. Study: Polyfluoroalkyl Compounds in Polar Bears	2005
STS-207	Publ. Study: PFOS and PFOA in Guillemot Eggs	2005
STS-310	Publ. Study: Tissue Distribution of PFCs in Harbor Seals	2005
STS-311	Publ. Study: PFCs in Ringed Seals from Greenland	2005
STS-312	Publ. Study: Perfluorinated Alkyls in Glaucous Gulls	2005
STS-313	Publ. Study: PFOS in Biological Samples from Coastal Columbia	2006
STS-116	Publ. Study: PFOS in Freshwater Fish Species in Flanders	2005
STS-314	Publ. Study: Eco Study of BCFs of PFOS and PFOA in Japan	2006
STS-315	Publ. Study: Perfluoroalkyl in Polar Bear Liver Tissue	2005
STS-316	Publ. Study: Method for PFCs in Mussels and Oysters from South China and Japan	2006
226-8000	Publ. Study: PFCs in Aquatic Organisms in the Great Lakes Food Chain	2005
STS-317	Publ. Study: PFCs in Eastern Arctic Marine Food Web	2004
STS-318	Publ. Study: Bioconcentration of PFOS - Fathead minnow	2005
STS-115	Publ. Study: Toxicological Effects of PFOS in Common carp	2003
226-0359	Summary of Histopathological Exams of Fathead minnows Exposed to PFOS	1978
226-0109	Summary of Histopathological Exams of Fathead minnows Exposed to PFOS	1978
STS-328	Bioconcentration - Bluegill	2000
STS-329	Bioconcentration - Bluegill - Summary Sheet	2000
STS-330	Publ. Study: Spatial Dist. Of Perfluoroalkyl Contam. In Lake Trout	2007
STS-331	Publ. Study: PFOS and PFOA in Red Panda and Giant Panda from China (abstract only)	2006