

Ecotoxicity Elements

Title

		Laboratory or Author	Completion Date	Type
1	PFOS: A 96-Hour Static Acute Toxicity Test with the Fathead Minnow (<i>Pimephales promelas</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
2	PFOS: A 96-Hour Toxicity Test with the Freshwater Alga (<i>Selenastrum capricornutum</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
3	PFOS: A 48-Hour Static Acute Toxicity Test with the Cladoceran (<i>Daphnia magna</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
4	PFOS: A 96-Hour Shell Deposition Test with the Eastern Oyster (<i>Crassostrea virginica</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
5	PFOS: A 96-Hour Static Acute Toxicity Test with the Freshwater Mussel (<i>Unio complanatus</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
6	PFOS: An Activated Sludge, Respiration Inhibition Test	Wildlife International, Ltd.	4/28/00	Robust Summary, Final Report, Protocol
7	PFOS: A 96-Hour Static Acute Toxicity Test with the Saltwater Mysid (<i>Mysidopsis bahia</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
8	PFOS: An Early Life-Stage Toxicity Test with the Fathead Minnow (<i>Pimephales promelas</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
9	PFOS: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran (<i>Daphnia magna</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
10	PFOS: A Flow-through Life-Cycle Toxicity Test with the Saltwater Mysid (<i>Mysidopsis bahia</i>)	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
11	PFOS: A Dietary LC50 Study with the Mallard	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
12	PFOS: A Dietary LC50 Study with the Northern Bobwhite	Wildlife International, Ltd.	4/26/00	Robust Summary, Final Report, Protocol
13	Multi-Phase Exposure/Recovery Algal Assay Test Method	3M Env. Lab	12/16/81	Brief Robust Summary, Final Report
14	The Effects of Continuous Aqueous Exposure to 14C-78.02 on Hatchability of Eggs and Growth and Survival of Fry of Fathead Minnow (<i>Pimephales promelas</i>) and Summary of histopathological Examinations of Fathead Minnow (<i>Pimephales promelas</i>) Exposed to 78.02 for 30 Days	EG&G Bionomics	August, 1978 December, 1978	Brief Robust Summary, Final Reports
15	Effect of Potassium Perfluorooctanesulfonate on Survival, etc. (Daphnid reproduction)	3M Env. Lab	2/13/84	Brief Robust Summary, Final Report
16	<i>Pimephales promelas</i> 96-hour Toxicity Test Data Summary. Sample FC-94-X (Li salt of PFOS)	3M Env. Lab	3/25/94	Robust Summary, Summary Page, copies of data
17	48-HR Acute Toxicity to <i>Daphnia</i> , <i>Daphnia magna</i> . FC-94-X (Li salt of PFOS)	3M Env. Lab	2/10/94	Robust Summary, copies of data
18	Microbics Microtox Toxicity Test. Sample: FC-94-X (Li salt of PFOS)	3M Env. Lab	2/7/94	Robust Summary, summary of results, copies of data.
19	Evaluation of FC-94-X by OECD Activated Sludge Respiration Inhibition Test #209, Review of OECD 209 and BOD/COD Test Results for FC-94-X, test data sheets (Li salt of PFOS)	3M Env. Lab	7/22/98	Robust Summary, Summary Page, copies of data
20	96-Hour Acute Toxicity Test on Bluegill Sunfish (FC-99, DEA salt of PFOS)	Analytical BioChemistry Laboratories, Inc.	7/13/79	Robust Summary and Final Report
21	Acute Toxicity to Activated Sludge (FC-99, DEA salt of PFOS)	3M Env. Lab	6/4/79	Robust Summary and copies of data
22	Microtox data for FM-3820 (28% PFOS)	3M Env. Lab	7/24/91	Robust Summary and data summary

23	Acute Toxicity to Daphnia magna for FM-3820 (28% PFOS)	EnviroSystems of Resource Analysts, Inc.)	3/26/91	Robust Summary and Final Report
24	Toxicity to Algae (Selenastrum capricornutum) for FM-3820 (28% PFOS)	EnviroSystems of Resource Analysts, Inc.)	June, 1991	Robust Summary and Final Report

Summary Reports

Title	Laboratory or Author	Completion Date	Type
25 Final Comprehensive Report: FC 95	3M Env. Lab	3/15/79	Robust Summary, comments from Stephen A. Boyd from MSU and Final Report

Environmental Monitoring Part 1: Multi-City Study

Title	Laboratory or Author	Completion Date	Type
Design and Structure of Multi-City Study	Battelle Memorial Institute	5/1/00	Report
Low Level Drinking Water Analytical Method	3M Env. Lab	4/28/00	Method
Fluorochemical Characterization of Drinking Water Samples. Columbus, GA (W2336)	Centre Analytical Laboratories, Inc.	2/29/00	Final Report
Fluorochemical Characterization of Drinking Water Samples. Pensacola, FL (W2176)	Centre Analytical Laboratories, Inc.	2/28/00	Final Report
Fluorochemical Characterization of Drinking Water Samples. Port St. Lucie, FL (W2363)	Centre Analytical Laboratories, Inc.	2/28/00	Final Report
Fluorochemical Characterization of Drinking Water Samples. Decatur, Alabama (W1979)	Centre Analytical Laboratories, Inc.	2/28/00	Final Report
Fluorochemical Characterization of Drinking Water Samples. Mobile, Alabama (W2151)	Centre Analytical Laboratories, Inc.	2/28/00	Final Report
Fluorochemical Characterization of Drinking Water Samples. Cleveland, Tennessee (W1973)	Centre Analytical Laboratories, Inc.	2/28/00	Final Report
Draft Drinking Water Health Advisory (DWHA) - PFOS	3M Corporate Toxicology	7/7/99	Report
Battelle Field Sampling Procedures Review. Columbus Georgia City Survey regarding Empirical Human Exposure Assessment. Multi-City Study	3M Env. Lab	8/3/99	Final Report
Multi-City Study. Field Report for Cleveland Tennessee and Decatur Alabama - Battelle Duxbury Activities	Battelle Memorial Institute	7/9/99	Final Report
Multi-City Study. Field Report for Columbus Georgia and Port St. Lucie Florida - Battelle Duxbury Activities	Battelle Memorial Institute	10/26/99	Final Report
Final Multi-City Study. Field Report for Mobile Alabama and Pensacola Florida - Battelle Duxbury Activities	Battelle Memorial Institute	9/29/99	Final Report
Quality assurance Project Plan for Empirical Human Exposure Assessment. Multi-City Study Sampling Task	Battelle Memorial Institute	5/14/99	QAP
Amendment 1 to the Quality Assurance Project Plan and Associated SOP's	Battelle Memorial Institute	6/16/99	Ammendment

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ECOTOXICITY ELEMENTS

This section presents information and test results from a series of ecotoxicity studies on perfluorooctanesulfonates. The information is presented as Robust Summaries, Final Report and Protocol for each ecotoxicity element.

The studies performed during 1999 and in early 2000 were carried out using GLP Standards. In contrast, ecotoxicity studies performed during the period 1974 to 1998 were conducted using protocols and analytical methodologies available at the time of the study. In addition, in these older tests, the sulfonated perfluorochemical products were variable mixtures and contained more impurities. Several tests were hampered by the insolubility of the perfluorochemical and results are expressed as "greater than" the measured solubility. Therefore, the data presented in these historical reports may not be reliable.