



MODERNWATER

Microtox

Bibliography

**Modern Water Inc.
15 Read's Way Suite 100
New Castle, De 19720 USA
(302) 669-6900**

Revised: 10/2014

BIBLIOGRAPHY

By category

AIR	3
BIOLOGICAL TOXINS	3
BIOREACTIVITY	4
CORRELATION	5
DATA COMPILATION	9
DRINKING WATER	12
ECOTOXICOLOGY	12
EFFLUENT - INDUSTRIAL	16
EFFLUENT - MUNICIPAL	18
GENERAL	19
GENOTOXICITY	26
HAZARDOUS WASTE	28
PETROCHEM	32
POTW	34
PULP & PAPER	36
REGULATORY - EFFLUENT	38
REGULATORY - HAZARDOUS WASTE	39
REGULATORY - TOXICITY REDUCTION EVALUATION	40
RESEARCH & DEVELOPMENT	40
SEDIMENTS	45
SEMI PERMEABLE MEMBRANE DEVICE	53
STORMWATER	54
TOXICITY REDUCTION EVALUATION	54

AIR

HARTUNG, J. 1987

Testing the Antimicrobial Activity of Compounds from the Air of Animal Houses Using the Microtox Test. *Toxicity Assessment*, **2**:1-15. [Ref. #35](#)

HARTUNG, J. 1987

Use of Luminescent Bacteria on Agar Surfaces for Evaluating the Biological Effect on Gaseous Air Pollutants. Presented at the Third International Symposium on Toxicity Testing Using Microbial Systems, May 11-15, 1987, Valencia, Spain. [Ref. #91](#)

KLEINHEIZ, G. and ST. JOHN, W.P. 1997

Sampling of Air Streams and Incorporation of Samples in the Microtox Toxicity Testing System. *Environmental Toxicology and Chemistry*, **16(10)**: 2064-2066. [Ref. #547](#)

BIOLOGICAL TOXINS

BRUNO, M., P. M. B. GUCCI, E. PIERDOMINICI, A. IOPPOLO and L. VOLTERRA. 1990

Presence of Saxitoxin in Toxic Extracts from *Gonyaulax Polyedra*. *Toxicon*, **28(9)**: 1113-1116. [Ref #351](#)

CAMPBELL, D.L., L.A. LAWTON, K.A. BEATTIE and G.A. CODD. 1994

Comparative Assessment of the Specificity of the Brine Shrimp and Microtox Assays to Hepatotoxic (Microcystin-LR-Containing) Cyanobacteria. *Environmental Toxicology and Water Quality*, **9(1)**: 71-77. [Ref #416](#)

HUNGERFORD, JAMES M. 1993

Seafood Toxins and Seafood Products. *General Referee Reports: Journal of AOAC International*, **76(1)**: 120-130. [Ref #513](#)

LAWTON, L.A., D.L. CAMPBELL, K.A. BEATTIE and G.A. CODD. 1990

Use of a Rapid Bioluminescence Assay for Detecting Cyanobacterial Microcystin Toxicity. *Lett. Appl. Microbiol.*, **11**: 205-207. [Ref #266](#)

STAHR, H., D. ZIMMERMAN, D. PFEIFFER and D. NICHOLSON. 1991

Fungal Metabolites Toxicity with the Microtox System. Midwest Regional Section of the Association of D. Liu (ed.), Toxicity Screening Procedures Using Official Analytical Chemists. Ames, 1982. [Ref #279](#)

SUN, T.S.C. and H.M. STAHR. 1993

Evaluation and Application of a Bioluminescent Bacterial Genotoxicity Test. Sun & Stahr: *Journal of AOAC International*, **76(4)**: 893-898. [Ref #113](#)

VOLTERRA, L., M. BRUNO, P.M.B. GUCCI and E. PIERDOMINICI. 1990

Cyanobacteria Monitoring and Health Related Problems. Proceedings Second Biennial Water Quality Symposium: Microbiological Aspects, p.25-30. Castillo, et. al. [Ref #252](#)

VOLTERRA, L., M. BRUNO and P.M.B. GUCCI. 1992

Fast Method for Detecting Toxic Cyanophyte Blooms. *Environmental Toxicology and Water Quality*, **7**: 215-222. [Ref #346](#)

YATES, I.E. and J.K. PORTER. 1982

Bacterial Bioluminescence as a Bioassay for Mycotoxins. *Applied Environmental Microbiology*, **44(5)**: 1072-1075. [Ref #25](#)

YATES I.E. and J.K. PORTER. 1983

Temperature and pH Affect the Toxicological Potential of Mycotoxins in the Bacterial Bioluminescence Assay, p.77-88. In B.J. Dutka and D. Liu (ed.), Toxicology Series, Vol. 1.

Marcel Dekkar, Inc., New York. [Ref #26](#)

BIOREACTIVITY

BARTON, A.P. 1987 HANSEN, P.D., R. BOCK and F. BRAUER. 1991

Toxicity in Medical Products. Presented at the Third International Symposium on Toxicity Testing Using Microbial Systems, May 11-15, 1987, Valencia, Spain. [Ref #99](#)

BENSON, W.H. and R.A. STACKHOUSE. 1986

Evaluation of a New Approach to the Safety Assessment of Biomaterials. *Drug Chemical Toxicology*, **9(3/4)**: 275-283. [Ref #68](#)

BROUWER, H., T. MURPHY and L. MCARDLE. 1990

A Sediment-Contract Bioassay with Photobacterium Phosphoreum. *Environmental Toxicology and Chemistry*, **9**:1353-1358. [Ref #258](#)

BRUNER, L.H., D.J. KAIN, D.A. ROBERTS and R.D. PARKER. 1991

Evaluation of Seven in Vitro Alternatives for Ocular Safety Testing. *Fundamental Applied Toxicology*, **17**: 136-149. [Ref #303](#)

BULICH, A.A., K. TUNG and G. SCHEIBNER. 1990

The Luminescent Bacteria Toxicity Test: Its Potential as an In-Vitro Alternative. *J. Biolumin. Chemilumin.*, **5**: 71-77. [Ref #210](#)

BURTON, S.A., R.V. PETERSEN, S.N. DICKMAN and J.R. NELSON. 1986

Comparison of In-Vitro Bacterial Bioluminescence and Tissue Culture Bioassays and In-Vivo Tests for Evaluating Acute Toxicity of Biomaterials. *J. Biomed. Materials Res.*, **20**: 827-838. [Ref #40](#)

BURTON, S.A. and R. DABBAH. 1989

The Bacterial Bioluminescence Test: An Alternative Test to Compendial In-Vitro Biological Reactivity Tests and a Potential Test for Comparative Biological Reactivity of Bulk Pharmaceutical Chemicals. *Pharmacop. Forum*, **15(1)**: 4812-4814. [Ref #167](#)

FORT, F.L. 1992

Correlation of Microtox EC50 with Mouse LD50. In Vitro Toxicol. *J. Mol. Cell. Toxicol.*, **5(2)**: 73-82. [Ref #393](#)

NALECZ-JAWECKI, GRZEGORZ, BEATA RUDZ and JÓSEF SAWICKI. 1997

Evaluation of Toxicity of Medical Devices using Spirotox and Microtox Tests: I. Toxicity of Selected Toxicants in Various Diluents. *Journal of Biomedical Materials Research*, **35**: 101-105. [Ref #548](#)

GRADY, L.T. 1987

In-Vitro Toxicity and Impurities. *Pharmacop. Forum*, **13(5)**: 2943-2946. [Ref #114](#)

HANSEN, P.D., R. Bock and F. BRUER. 1991

Investigations of Phagocytosis Concerning the Immunological Defence Mechanism of *Mytilus Edulis* Using a Sublethal Luminescent Bacterial Assay (Photobacterium Phosphoreum). *Comp. Biochem. Physiol.*, **100C(1/2)**: 129-132. [Ref #132](#)

HUBBARD, A.W., L.J. MOORE, R.H. CLOTHIER, H. SULLEY and K.A. ROLLIN. 1993

The Use of in vitro Methodology to Predict the Irritancy Potential of Surfactants. The Boots Company PLC, Development Department, D98, Nottingham. [Ref #160](#)

MICHAUD, J.P., A.A. BULICH, A.J. GANDOLFI and K. BRENDEL. 1990

Use of Bioluminescent Bacteria as a Model for Studying Interactive Toxicity. [Ref #259](#)

PETERSEN, R.V. 1987

In-Vitro Alternatives to Animal Testing for Toxicity of Raw Materials and Biomedical Polymers—
Proposed Test. *Pharmacop. Forum*, **13(5)**: 2937-2938. [Ref #110](#)

ROSENKRANZ, H.S., J. PANGREKAR and G. KLOPMAN. 1993

Similarities in the Mechanisms of Antibacterial Activity (Microtox Assay) and Toxicity to Vertebrates.
ATLA, **21(4)**: 489-500. [Ref #407](#)

SANDERS, C., T.D. SWEDLUND, T.J. STEPHENS and P.M. SILBER. 1991

Evaluation of Six In Vitro Toxicity Assays; Comparison with In Vivo Ocular and Dermal Irritation
Potential of Prototype Cosmetic Formulations. Presented at the Society of Toxicology Conference,
Feb. 25-28, Dallas, TX. [Ref #285](#)

STEER, S.J. 1993

Problems Inherent in Developing In Vitro Tests for Phototoxicity and Immunotoxicity. Thesis submitted
to the University of Nottingham, October, 1993. [Ref #421](#)

TAYLOR, M.S., A.U. DANIELS, K.P. ANDRIANO and J. HELLER. 1994

Six Bioabsorbable Polymers: In Vitro Acute Toxicity of Accumulated Degradation Products. *Journal of
Applied Biomaterials*, **5**: 151-157. [Ref #426](#)

USP SUBCOMMITTEE ON IN-VITRO TOXICITY. 1989

Application of the Concept of Biological Reactivity to Compendial Tests. *Pharmacop. Forum*, **15(1)**:
4804-4811. [Ref #166](#)

WILOX, D.K. and L.H. BRUNER. 1990

In Vitro Alternatives for Ocular Safety Testing: An Outline of Assays and Possible Future
Developments *ATLA*, **18**: 117-128. [Ref #269](#)

CORRELATION

**ABBONDANZI, F., CACHADA, A., CAMPISI, T., GUERRA, R., RACCAGNI, M., IACONDINI, A.
2003**

Optimization of Microbial Bioassay for Contaminated Soil Monitoring: Bacterial Inoculum
Standardization and Comparison with Microtox Assay. *Chemosphere*. **53**: 889-897. [Ref #589](#)

BAY, S., D. GREENSTEIN, V. RACO and J.W. ANDERSON. 1989

Responses of Marine Organisms to Wastewater: Comparisons Between Species and Effluent Types.
Contribution No. C-320. Southern California Coastal Water Research Project, Long Beach, CA. [Ref
#196](#)

BECERRO, M.A., M.J. URIZ and X. TURON. 1995

Measuring Toxicity in Marine Environments: Critical Appraisal of Three Commonly Used Methods.
Experientia, **51**: 414-418. [Ref #491](#)

BLUM, D.J.W. and R.E. SPEECE. 1990

Determining Chemical Toxicity to Aquatic Species. *Environmental Science and Technology*, **24(3)**:
284-293. [Ref #222](#)

COLEMAN, R.N. and A.A. QURESHI. 1985

Microtox® and *Spirillum volutans* Tests for Assessing Toxicity of Environmental Samples. *Bull.
Environ. Contam. Toxicol.*, **35**: 443-451. [Ref #47](#)

COUTURE, P., C. BLAISE, D. CLUIS and C. BASTIEN. 1989

Zirconium Toxicity Assessment Using Bacteria, Algae and Fish Assays. *Water Air Soil Pollut.*, **47**: 87-
100. [Ref #218](#)

CURTIS, C., A. LIMA, S.J. LOZANO and G.D. VEITH. 1982

Evaluation of a Bacterial Bioluminescence Bioassay as a Method for Predicting Acute Toxicity of Organic Chemicals to Fish, p.170-178. In J.G. Pearson et. al. (ed.), *Aquatic Toxicology and Hazard Assessment: Fifth Conference*, ASTM STP 766. American Society for Testing and Materials. [Ref #6](#)

DIETER, CHARLES D., S.J. HAMILTON, W.G. DUFFY and L.D. FLAKE. 1994

Evaluation of the Microtox Test to Detect Phorate Contamination in Wetlands. *Journal of Freshwater Ecology*, **9(4)**: 271-280. [Ref #543](#)

DENEER, J.W., C.J. VAN LEEUWEN, W. SEINEN, J.L. MASS-DIEPEVEEN and J.L.M. HERMENS. 1988

AQSAR Study of the Toxicity of Nitrobenzene Derivatives Towards Daphnia Magna, Chlorella Pyrenoidosa and Photobacterium Phosphoreum, p.29-46. The Toxicity of Aquatic Pollutants: QSARs and Mixture Toxicity Studies. Ph.D. Thesis Utrecht University, The Netherlands. [Ref #164](#)

DE ZWART, D. and W. SLOOFF. 1983

The Microtox as an Alternative Assay in the Acute Toxicity Assessment of Water Pollutants. *Aquatic Toxicology*, **4**: 129-138. [Ref #8](#)

DUTKA, B.J. and K.K. KWAN. 1981

Comparison of Three Microbial Toxicity Screening Tests with the Microtox Test. *Bull. Environm. Contam. Toxicol.*, **27**: 753-757. [Ref #9](#)

DUTKA, B.J. and K.K. KWAN. 1983

Studies on a Synthetic Activated Sludge Toxicity Screening Procedure with Comparison to Three Microbial Toxicity Tests, p.125-138. Toxicity Screening Procedures Using Bacterial Systems Toxicity Series, Vol. 1. Marcel Dekkar, New York. [Ref #66](#)

ELNABARAWY, M.T., R.R. ROBIDEAU and S.A. BEACH. 1988

Comparison of Three Rapid Toxicity Test Procedures: Microtox®, Polytox® and Activated Sludge Respiration Inhibition. *Toxicity Assess*, **3**: 361-370. [Ref #93](#)

EVS CONSULTANTS. 1989

An Evaluation of the Sensitivity of Microassays Relative to Trout and Daphnid Acute Lethality Tests. EVS Project No. 3/064-30. [Ref #179](#)

GHOSH, S.K., P.B. DOCTOR, and P.K. KULKARNI. 1996

Toxicity of Zinc in Three Microbial Test Systems. *Environmental Toxicology and Water Quality: An International Journal*, **9**: 13-19. [Ref #508](#)

GREENE, J.C., W.E. MILLER, M.K. DEBACON, M.A. LONG and C.L. BARTELS. 1985

A Comparison of Three Microbial Assay Procedures for Measuring Toxicity of Chemical Residues. *Arch. Environ. Contam. Toxicol.*, **14**: 659-667. [Ref #49](#)

HARTWELL, S. IAN, D.M. JORDAHL, J.E. EVANS and E.B. MAY. 1995

Toxicity of Aircraft De-Icer and Anti-Icer Solutions to Aquatic Organisms. *Environmental Toxicology and Chemistry*, **14(8)**: 1375-1386. [Ref #492](#)

JUNG, KEUMHEE AND GABRIEL BITTON. 1997

Use of Ceriofast™ for Monitoring the Toxicity of Industrial Effluents: Comparison with the 48-h Acute Ceriodaphnia Toxicity Test and Microtox®. *Environmental Toxicology and Chemistry*, **16(11)**: 2264-2267. [Ref #550](#)

KAISER, K.L.E. and S.R. ESTERBY. 1991

Regression and Cluster Analysis of the Acute Toxicity of 267 Chemicals to Six Species of Biota and the Octanol/Water Partition Coefficient. *Sci. Total Environ.*, **109/110**: 499-514. [Ref #365](#)

KAISER, K.L.E. and MARK B. MCKINNON. 1992

Qualitative and Quantitative Relationships of Microtox® Data with acute and Subchronic Toxicity Data for Other Aquatic Species. *Can. Tech. Rep. Fish. Aquat. Sci.* [Ref #473](#)

KAISER, K.L.E. 1992

Microtox® versus Aquatic Species LC₅₀ s. Qualitative and quantitative relationships of Microtox Data with Toxicity Data for other Aquatic Species. Toxicology Monitoring Using Luminescent Bacteria, Leeds, U.K. [Ref #475](#)

LEBSACK, M.E., A.D. ANDERSON, C.M. DEGRAEVE and H.L. BERGMAN. 1981

Comparison of Bacterial Luminescence and Fish Bioassay Results for Fossil-Fuel Process Waters and Phenolic Constituents, p.348-356. In D.R. Branson and K.L. Dickson (ed.), Aquatic Toxicology and Hazard Assessment: Fourth Conference. ASTM STP 737. American Society for Testing and Materials. [Ref #12](#)

LIU, CHIARELY, P. CHUNG, K. HUANG and E.M.H. WU. 1994

Review on Toxicity Bioassay Studies and its Application. *Journal of the Environmental Protection Society of the Republic of China*, **17(2)**: 2A-9A. [Ref #457](#)

MAAS, J.L., J. BOTTERWEG, C.T. BOWMER and J.W. EVERTS. 1994

Sensitivity of Freshwater and Marine Species in Whole Effluent Toxicity Testing. [Ref #410](#)

MALLAK, F.P. and R.L. BRUNKER. 1983

Determination of the Toxicity of Selected Metalworking Fluid Preservatives by Use of the Microtox System and an In-Vitro Enzyme Assay, p.65-76. In B.J. Dutka and D. Liu (ed.), Toxicity Screening Procedures Using Bacterial Systems. Toxicity Series, Vol. 1. Marcel Dekkar, New York. [Ref #13](#)

MCFETERS, G.A., P.J. BOND and S.B. OLSON and Y.T. TCHAN. 1983

A Comparison of Microbial Bioassays for the Detection of Aquatic Toxicants. *Water Research*, **17(12)**:1757-1762. [Ref #61](#)

MCKINNON, MARK B. and K.L.E. KAISER. 1993

The Desktop Computer Spreadsheet as a Scientific Database and Powerful Research Tool. *Chemosphere* Vol. 27. Pergamon Press Ltd. Printed in Great Britain. 1159-1169. [Ref #470](#)

MUNKITTRICK, K.R., E.A. POWER and G.A. SERGY. 1991

The Relative Sensitivity of Microtox®, Daphnid, Rainbow Trout and Fathead Minnow Acute Lethality Tests. *Environmental Toxicology and Water Quality*, **6**: 35-62. [Ref #231](#)

NACCI, D., E. JACKIM and R. WALSH. 1986

Comparative Evaluation of Three Rapid Marine Toxicity Tests: Sea Urchin Early Embryo Growth Test, Sea Urchin Sperm Cell Toxicity Test and Microtox. *Environmental Toxicology and Chemistry*, **5**: 521-525. [Ref #50](#)

NALECZ-JAWECKI, G., SAWICKI, J. 2002

Influent of pH on the Toxicity of Nitrophenols to Microtox and Spirotox Tests. *Chemosphere*. **52**: 249-252. [Ref #587](#)

O'BRIEN, T.A. and G.J. BACHER. 1990

Toxicity of Industrial and Domestic Complex Effluents to Three Australian Freshwater Organisms and the Microtox Bacteria. Aquatic Biology Section, Freshwater Fisheries Management Branch, Arthur Rylah Institute, Fisheries Division, Department of Conservation Forests and Lands. [Ref #313](#)

PARDOS, MICHEL; BENNINGHOFF, CHRISTOPHE; et. al. 1999

Acute toxicity assessment of Polish (waste)water with a microplate-based Hydra attenuata assay: A comparison with the Microtox Test. *Science of the Total Environment*, **243-244**: 141-148.

POREMB, K. 1991

New Toxicity Testing Method Using Marine Bacterivorous Nanoflagellates. *Bull. Environ. Contam. Toxicol.*, **46**: 193-196. [Ref #287](#)

QURESHI, A.A., K.W. FLOOD, S.R. THOMPSON, S.M. JANHURST, C.S. INNIS and D.A. ROKOSH. 1982

Comparison of a Luminescent Bacterial Test with Other Bioassays for Determining Toxicity of Pure Compounds and Complex Effluents, p.179-195. In Pearson et. al. (ed.), Aquatic Toxicology and Hazard Assessment: Fifth Conference, ASTM STP 766. American Society for Testing and Materials. [Ref #18](#)

RETEUNA, C., P. VASSEUR, R. CABRIDENC and H. LEPAILLEUR. 1986

Comparison of Respiration and Luminescent Tests in Bacterial Toxicity Assessment. *Toxicity Assess.*, **1(2)**: 159-168. [Ref #33](#)

RETEUNA, C., P. VASSEUR and R. CABRIDENC. 1989

Performances of Three Bacterial Assays in Toxicity Assessment. *Hydrobiologia*, **188/189**: 149-153. [Ref #235](#)

RIBO, J.M. and K.L.E. KAISER. 1983

Effects of Selected Chemicals to Photoluminescent Bacteria and their Correlations with Acute and Sublethal Effects on Other Organisms. *Chemosphere*, **12(11/12)**: 1421-1442. [Ref #20](#)

ROSS, P.; BURTON, G.A.; et. al. 1999

Interlaboratory precision study of a whole sediment toxicity test with bioluminescent bacterium *Vibrio fischeri*. *Environmental Toxicology*, **41**: 339-345.

ROSS, PHILLIPE. 1993.

The Use of Bacterial Luminescence Systems in Aquatic Toxicity Testing, p. 185-195. In M. Richardson (ed.), Ecotoxicology monitoring. VCH Publishers, New York, New York. [Ref #558](#)

SCHULTZ, T. WAYNE and M.T.D. CRONIN. 1997.

Quantitative Structure-Activity Relationships for Weak Acid Respiratory Uncouplers to *Vibrio Fisheri*. *Environmental Toxicology and Chemistry*, **16(2)**: 357-360. [Ref #525](#)

SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT. 1989

Comparative Wastewater Toxicity Tests, p.72-77. 1988-89 Annual Report, SCCWRP, Long Beach, CA. [Ref #221](#)

STROSER, M.T. 1984

A Comparison of Biological Testing Methods in Association with Chemical Analyses to Evaluate Toxicity of Waste Drilling Fluids in Alberta, Vol. 1. Canadian Petroleum Association, Calgary, Alberta. [Ref #23](#)

SUROWITZ, K.G., B.E. BURKE and R.M. PFISTER. 1987

Comparison of Cell-free and Whole Cell Luminescence Assays in Toxicity Testing. *Toxicity Assess.*, **2**: 17-27. [Ref #71](#)

SWEET, LEONARD I., DAVID F. TRAVERS and PETER G. MEIER. 1997

Chronic Toxicity Evaluation of Wastewater Treatment Plant Effluents with Bioluminescent Bacteria: A Comparison with Invertebrates and Fish. *Environmental Toxicology and Chemistry*, **16(10)**: 2187-2189. [Ref #544](#)

SZAL, G.M. 1985

A Comparison of Acute Toxicity Evaluations and EPA Water Quality Criteria with Macroinvertebrate Community Analyses at Sites of Electrofinishing Discharges to Streams. Presented at the 40th Annual Purdue Industrial Waste Conference, May 14-16, 1985, West Lafayette, IN. [Ref #28](#)

TARKPEA, M., M. HANSSON and B. SAMUELSSON. 1986

Comparison of the Microtox Test with the 96 Hour LC50 Test for the Harpacticoid *Nitocra spinipes*. *Ecotoxicol. Environ. Safety*, **11**: 127-143. [Ref #63](#)

THELLEN, C. and G. JOUBERT. 1988

Application of the Limits of Detection Quantifications of the Quality Control of Conventional Biotests (Microtox®, Algae, and Daphnes). Presented at the Canadian 15th Annual Aquatic Toxicity Workshop, Nov. 28-30, Montreal. [Ref #171](#)

TOUSSAINT, M. W., T.R. SHEDD, W.H. VAN DER SCHALIE, and G.R. LEATHER. 1995

A comparison of Standard Acute Toxicity Tests with Rapid-Screening Toxicity Tests. *Environmental Toxicology and Chemistry*, **14(5)**: 9907-915. [Ref #453](#)

VASSEUR, P., J.F. FERARD, J. VIAL and G. LARBAIGT. 1984

Comparaison des Tests Microtox et Daphnie pour l'Evaluation de la Toxicite Aigue d'Effluents Industriels. *Environ. Pollut. Ser. A*, **34**: 225-235. [Ref #24](#)

VISMARA, C., C. ROSSETTI, E. BOLZACCHINI, M. ORLANDI, A. LUPERINI, and G. BERNARDINI. 1995

MCPA Toxicity Evaluation by Microtox and Comparison with FETAX. [Ref #487](#)

VISMARA, C., C. ROSSETTI, E. BOLZACCHINI, M. ORLANDI, A. LUPERINI, G. BERNARDINI. 1996

Toxicity Evaluation of 4-Chloro-2-Methylphenoxyacetic Acid by Microtox® and Comparison with FETAX. *Bull. Environ. Contam. Toxicol.*, **56**: 85-89 [Ref# 499](#)

VISMARA, C., A. GARAVAGLIA. 1997

4-Chloro-2-Methylphenoxyacetic Acid Containing Compounds. Genotoxicity Evaluation by Mutatox Assay and Comparison with acute (Microtox) and Embryo (FETAX) Toxicities. *Bull. Environ. Contam. Toxicol.*, **58**: 582-588. [Ref #523](#)

WALKER, J.D. 1988

Relative Sensitivity of Algae, Bacteria, Invertebrates, and Fish to Phenol: Analysis of 234 Tests Conducted for More than 149 Species. *Toxicity Assess.*, **3**: 415-447. [Ref #148](#)

WÄNGBERG, S-A, B. BERGSTRÖM, H. BLANCK, O. SVANBERG. 1995

The Relative Sensitivity and Sensitivity Patterns of Short-Term Toxicity Tests Applied to Industrial Wastewaters. *Environmental Toxicology and Water Quality: An International Journal*, **10**: 81-90. [Ref #489](#)

XU, H. and B.J. DUTKA. 1987

ATP-TOX System - A New, Rapid, Sensitive Bacterial Toxicity Screening System Based on the Determination of ATP. *Toxicity Assess.*, **2**: 149-166. [Ref #200](#)

DATA COMPILATION

BENKINNEY, M.T., N.J. NOVICK, T.J. GIACOBBE and P.A. NORA. 1990

Environmental Toxicity of Selected Non-Ionic Alcohol Ethoxylates. Abstract presented at the SETAC 11th Annual Meeting, Nov. 11-15. [Ref #277](#)

BLUM, D.J.W. and R.E. SPEECE. 1991

A Database of Chemical Toxicity to Environmental Bacteria and its use in Interspecies Comparisons and Correlations. *Res. J. WPCF*, **63(3)**: 198-207. [Ref #293](#)

BOIS, F., P.J. GRAVIL, P. VASSEUR and P. ISOARD. 1988

Optimal Pollution Control Strategies in the Presence of Interacting Toxicants. *Water Research*, **22(11)**: 1443-1447. [Ref #237](#)

CODINA, J.C., A. PÉREZ-GARCIA, P. ROMERO and A. DE VICENTE. 1993

A Comparison of Microbial Bioassays for the Detection of Metal Toxicity. *Arch. Environ. Contam. Toxicol.*, **25**: 250-254. [Ref #408](#)

- DOOLEY, C.A. and P. KENIS. 1987**
Response of Bioluminescent Bacteria to Alkyltin Compounds. *Oceans* 87, **4**: 1517-1524. [Ref #241](#)
- DOOLEY, C.A. and J.P. TESTA, JR. 1989**
Stability and Microtox Response of Butenyltin Compounds. *Appl. Organometallic Chem.*, **3**: 171-176. [Ref #240](#)
- GAGGI, C., G. SBRILLI, A.M. HASAB EL NABY, M. BUCCI, M. DUCCINI and E. BACCI. 1995**
Toxicity and Hazard Ranking of s-Triazine Herbicides using Microtox®, Two Green Algal Species and a Marine Crustacean. *Environmental Toxicology and Chemistry*, **14(6)**: 1065-1069. [Ref #466](#)
- HANKENSON, K. and D.J. SCHAEFFER. 1991**
Microtox Assay of Trinitrotoluene, Diaminonitrotoluene, and Dinitromethylaniline Mixtures. *Bull. Environ. Contam. Toxicol.*, **46**: 550-553. [Ref #286](#)
- HERMENS, J., F. BUSSER, P. LEEUWANGH and A. MUSCH. 1985**
Quantitative Structure—Activity Relationships and Mixture Toxicity of Organic Chemicals in Photobacterium phosphoreum: the Microtox Test. *Ecotoxicol. Environ. Safety*, **9**: 17-25. [Ref #73](#)
- KAISER, K.L.E. and J.M. RIBO. 1985**
QSAR of Toxicity of Chlorinated Aromatic Compounds, p.27-38. In M. Tichy (ed.). QSAR in Toxicology and Xenobiochemistry. Elsevier, Amsterdam. [Ref #172](#)
- KAISER, K.L.E., J.M. RIBO and B.M. ZARUK. 1988**
Toxicity of Para-Chloro Substituted Benzene Derivatives in the Microtox Test. *Water Pollution Research Journal Canada*, **20(2)**: 36-43. [Ref #29](#)
- KAISER, K.L.E., V.S. PALABRICA and J.M. RIBO. 1987**
QSAR of Acute Toxicity of Mono-substituted Benzene Derivatives to Photobacterium phosphoreum. In K.L.E. Kaiser (ed.), p.153-168. QSAR in Environmental Toxicology II. D. Reidel, Dordrecht, Holland. [Ref #191](#)
- KAISER, K.L.E. and J.M. RIBO. 1988**
Photobacterium phosphoreum Toxicity Bioassay. II. Toxicity Data Compilation. *Toxicity Assess.*, **3**: 195-237. [Ref #100](#)
- KAISER, K.L.E. and V.S. PALABRICA. 1991**
Photobacterium phosphoreum Toxicity Data Index. *Water Pollution Research Journal of Canada*, **26(3)**: 361-431. [Ref #331](#)
- KAISER, K.L.E., M. MCKINNON and F. FORT. 1994**
Interspecies Toxicity Correlation of Rat, Mouse and Photobacterium Phosphoreum. *Environmental Toxicology and Chemistry*, **13(10)**: 1599-1606. [Ref #428](#)
- LUIS, P., ORTIZ, I., ALDACO, R., IRABIEN, A. 2007**
A Novel Group Contribution Method in the Development of a QSAR for predicting the Toxicity (Vibrio fischeri EC₅₀) of Ionic Liquids. *Ecotox and Environ Safety*. **67(3)**: 423-429. [Ref #617](#)
- NALECZ-JAWECKI, G., GRABINSKA-SOTA, E., NARKIEWICZ, P. 2004**
The Toxicity of Cationic Surfactants in Four Bioassays. *Ecotoxicology and Env. Safety*. **54**: 87-91. [Ref #586](#)
- NICULESCU, STEFAN P., K.L.E. KAISER and G. SCHÜÜRMAN. 1998**
Influence of Data Preprocessing and Kernel Selection on Probabilistic Neural Network Modeling of the Acute Toxicity of Chemicals to the Fathead Minnow and Vibrio fischeri Bacteria. *Water Qual. Res. J. Canada*, **33(1)**: 154-165. [Ref #557](#)

PANGREKAR, J. , G. KLOPMAN, and ROSENKRANZ. 1993

Expert System Comparison of Structural Determinants of Chemical Toxicity to Environmental Bacteria. *Data Compilation*, **13(6)**: 979-1001. [Ref #427](#)

PARVEZ, S., VENKATARAMAN, C., MUKHERJI, S. 2008

Toxicity Assessment of Organic Pollutants: Reliability of Bioluminescence Inhibition Assay and Univariate QSAR Models Using Freshly Prepared *Vibrio fischeri*. *Toxicology in Vitro*. **22(7)**: 1806-1813. [Ref #624](#)

PILL K.G., G.E. KUPILLAS, F.W. PICARDAL and R.G. ARNOLD. 1991

Estimating the Toxicity of Chlorinated Organic Compounds Using a Multiparameter Bacterial Bioassay. *Environmental Toxicology and Water Quality*, **6**: 271-291. [Ref #304](#)

RIBO, J.M.; SELLERS, K.E. and N.M. RAM. 1985

Chlorinated Aromatic Compounds: Microtox Test Results and Structure-Toxicity Relationships. *Natl. Water Res. Inst. Rpt.*, #84-3. [Ref #188](#)

RIBO, J.M.; K.L.E. KAISER and H.M. STAHR. 1990

Toxicities of Chloroanilines to Photobacterium phosphoreum and their Correlations with Effects on Other Organisms and Structural Parameters, p.319-336. In K.L.E. Kaiser (ed.), *QSAR in Environmental Toxicology*. D. Reidel, Dordrecht, Holland. [Ref #192](#)

RIBO, J.M. 1987

The Use of Luminescent Bacteria in the Study of Structure/Toxicity Relationships for Trichothecenes, p. 281-293. In K.L.E. Kaiser (ed.), *QSAR in Environmental Toxicology II*. D. Reidel, Dordrecht, Holland. [Ref #190](#)

RIBO, J.M., J.E. YANG and P.M. HUANG. 1988

Luminescent Bacteria Toxicity Bioassay in the Study of Mercury Speciation. *Hydrobiologia*. [Ref #194](#)

RIBO, J.M. and M. DÍEZ. 1994

Ejercicio de Comparacion Interlaboratorio del Ensayo de Toxicidad de Bacterias Luminescentes. *Articulos Tecnicos*, N° **124**: 49-58. [Ref #452](#)

ROBERTS, S., P. VASSEUR and D. DIVE. 1990

Combined Effects Between Atrazine, Copper and pH, on Target and Non Target Species. *Water Research*, **24(4)**: 485-491. [Ref #239](#)

SELLERS, K.E. and N.M. RAM. 1985

Toxicity Assessment of Binary Metal Mixtures Using Bioluminescent Bacteria. [Ref #55](#)

SOMASUNDARAM, L., J.R. COATS, K.D. RACKE and H.M. STAHR. 1990

Application of the Microtox System to Assess the Toxicity of Pesticides and Their Hydrolysis Metabolites. *Bull. Environ. Contam. Toxicol.*, **44**: 254-259. [Ref #230](#)

VAN LEEUWEN, C.J., J.L. MAAS-DIEPEVEEN, G. NIEBEEK, W.H.A. VERGOUW, P.S. GRIFFIOEN and M.W. LUIJKEN. 1985

Aquatic Toxicological Aspects of Dithiocarbamates and Related Compounds. I. Short-Term Toxicity Tests. *Aquatic Toxicology*, **7**:145-164. [Ref #234](#)

VASSEUR, P., D. DIVE, Z. SOKAR and H. BONNEMAIN. 1988

Interactions Between Copper and Some Carbamates Used in Phytosanitary Treatments. *Chemosphere*, **17(4)**: 767-782. [Ref #236](#)

VIGHI, M., MIGLIORATI, S., MONTI, G.S. 2009

Toxicity on the Luminescent Bacteria *Vibrio fischeri* (Beijernick). I: QSAR Equation for Narcotics and Polar Narcotics. *Ecotox and Env Safety*. **72 (1)**: 154-161. [Ref #627](#)

WALKER, J.D. 1987

Effects of Chemicals on Microorganisms. *J. Water Pollut. Control Fed.*, **59(6)**: 614-625. [Ref #78](#)

WALKER, J.D. 1988

Effects of Chemicals on Microorganisms. *J. Water Pollut. Control Fed.*, **60(6)**: 1106-1121. [Ref #137](#)

WALKER, J.D. 1990

Effects of Chemicals on Microorganisms. *J. Water Pollut. Control Fed.*, **62(4)**: 618-624. [Ref #264](#)

WANG, X.Z.; MORRIS, T.; YUAN, B. 2000

Software analyzer design using data mining technology for toxicity prediction of aqueous effluents. *Waste Management*, **20**: 677-686.

DRINKING WATER

CANNA-MICHAELIDOU, S. 1992

Microtox Response to Volatile Organic Pollutants - Implementation of the Test in Investigating Accidental or Deliberate Watersupply Pollution. Presented at the 2nd European Conference on Ecotoxicology, May 11- 15, 1992, Amsterdam. [Ref #356](#)

CHOU, C.C. and S.S. QUE HEE. 1992

Microtox EC50 Values for Drinking Water by-Products Produced by Ozonolysis. *Ecotoxicol. Environ. Safety*, **23**:355-363. [Ref #352](#)

GUZELLA, L., MONARCA, S., ZANI, C., FERETTI, D., ZERBINI, I., BUSCHINI, A., POLI, P., ROSSI, C., RICHARDSON, S.D. 2004

In vitro Potential Genotoxic Effects of Surface Drinking Water Treated with Chlorine and Alternative Disinfectants. *Mutation Research*. **564**: 179-193. [Ref #595](#)

MITCHELL, D.J. and R.M. DUNN. 1994

The Use of the Microtox® Assay in Soil and Groundwater Quality Monitoring. AEA TPD 70. National Environmental Technology Centre, Oxfordshire. [Ref #106](#)

SMITH, N.C. 1991

Investigation into the Ability of the Microtox Test System to Detect Metals in Drinking Water Within NATO Standards. M.Sc. dissertation submitted to Univ. of Reading, U.K. [Ref #310](#)

ZANI, C., FERETTI, D., BUSCHINI, A., POLI, P., ROSSI, C., GUZZELLA, L., DICATERINO, F., MONARCA, S. 2005

Toxicity and Genotoxicity of Surface Water Before and After Various Potabilization Steps. *Mutation Research*. **587**: 26-37. [Ref #606](#)

ECOTOXICOLOGY

ALVARENGA, P., PALMA, P., GONCALVES, A.P., FERNANDES, R.M., CUNHA-QUEDA, A.C., DUARTE, E., VALLINI, G. 2007

Evaluation of Chemical and Ecotoxicological Characteristics of Biodegradable Organic Residues for Application to Agricultural Land. *Environ International*. **33(4)**: 505-513. [Ref #630](#)

ARFSTEN, D.B. 1993

Microtox™ and Mutatox™: An Integrated Microbial Assay System for the Toxicological Screening of Environmental Contaminants. Thesis, University of Illinois at Urbana-Champaign. [Ref #419](#)

BAYO, J., ANGOSTO, J.M., GOMEZ-LOPEZ, D. 2009

Ecotoxicological Screening of Reclaimed Disinfected Wastewater by *Vibrio fischeri* bioassay After a Chlorination-dechlorination Process. *J of Haz Materials*. **172 (1)**: 166-171. [Ref #628](#)

BENGTSSON, B.E., T.J. NORBERG-KING and D.I. MOUNT. 1987

Effluent and Ambient Toxicity Testing in the Göta Älv and Viskan Rivers, Sweden. Naturvardsverket Rapport 3275. [Ref #208](#)

BLAISE, C. and M. HARWOOD. 1991

Ecotoxicological Assessment of Tebuthiuron a Substituted Urea Class Herbicide. *Revue Sci. L'eau*, **4**:121-134. (In French) [Ref #298](#)

BLAISE, C. 1991

Microbiotests in Aquatic Ecotoxicology: Characteristics, Utility, and Prospects. *Environ. Toxicology and Water Quality*, **6**:145-155. [Ref #299](#)

CLAYTON, J.R., JR., B.C. STRANSKY, M.J. SCHWARTZ, D.C. LEES, J. MICHEL, B.J. SNYDER, A.C. ADKINS. 1995

Development of Protocols for Testing Cleaning Effectiveness and Toxicity of Shoreline Cleaning Agents (SCAs) in the Field. Marine Spill Response Corporation, Washington, D.C. MSRC Technical Report Series 95-020.1, 180p. [Ref #502](#)

DAVOREN, M., FOGARTY, A.M. 2005

Ecotoxicological Evaluation of the Biocidal Agents Sodium o-phenylphenol, Sodium o-benzyl-p-chlorophenol, and Sodium p-tertiary amylphenol. *Ecotox and Environ Safety*. **60 (2)**: 203-212. [Ref #621](#)

DE ZWART, D. and A.J. FOLKERTS. 1990

Monitoring the Toxicity of Organic Compounds Dissolved in Rhine Water. *Hydrobiol. Bull.*, **24(1)**:5-12. [Ref #244](#)

DE ZWART, D., W. SLOOFF and C.A.M. VAN GESTEL. 1991

Terrestrial Ecotoxicology in the Setting and Controlling of Standards. Natl. Inst. Public Health Environ. Genotoxicity Protection, Bilthoven, The Netherlands. [Ref #295](#)

DODARD, S.G.; RENOUX, A.Y.; et. al. 1999

Ecotoxicity characterization of dinitrotoluenes and some of their reduced metabolites. *Chemosphere*. **38**: 2071-2079.

DUTKA, B.J., K.K. KWAN and S.S. RAO. 1989

An Ecotoxicological and Microbiological Study of the Great Lakes and St. Lawrence River Waters. Water Yamaska River. Rivers Research Branch, National Water Research Institute, Canada Centre for Inland Waters, Burlington, Ontario. NWRI Contribution #89-147. [Ref #246](#)

ELDER, J.F. 1989

Applicability of Ambient Toxicity Testing to National or Regional Water-Quality Assessment. USGS, Open-File Report 89-55. [Ref #224](#)

FACEMIRE, C.F., M.A. BRINKMAN and W.G. DUFFY. 1990

Biomonitoring Techniques for Non-Point Source Pollutants: What are the Options? Dept. Wildl. Fish. Sci., South Dakota State Univ. [Ref #271](#)

FURLAN, E.V., C.M.R.B. PASCHOAL, M.I.Z. SATO, M.T. MARTINS and P.S. SANCHEZ. 1990

Acute Toxicity Assessment by Microtox System in Water and Shellfish from the North Coastal of Sao Paulo State, Brazil. Proceedings Second Biennial Water Quality Symposium: Microbiological Aspects. [Ref #272](#)

GUPTA, G. and S. KRISHNAMURTHY. 1990

Changes in Poultry Litter Toxicity with Time. *Bull. Environ. Contam. Toxicol.*, **44**: 579-584. [Ref #229](#)

GUPTA, G. and M. DOHERTY. 1990

Effect of Composting and Number of Flocks on Poultry Litter Extract Bod and Toxicity. *Water Air Soil Pollut.*, **51**: 139-145. [Ref #384](#)

GUPTA, G. and P. KELLY. 1990

Toxicity (EC50) Comparisons of Some Animal Wastes. *Water Air Soil Pollut.*, **53**: 113-117. [Ref #383](#)

GUPTA, G. and P. KELLY. 1992

Poultry Litter Toxicity Comparison from Various Bioassays. *J. Environ. Sci. Health*, **A27(4)**: 1083-1093. [Ref #387](#)

GUPTA, G. and S. KRISHNAMURTHY. 1991

Changes in Poultry Litter Toxicity with Simulated Acid Rain. *Bull. Environ. Contam. Toxicol.*, **46**: 167-172. [Ref #382](#)

GUTTMAN-BASS, N., M. BAIREY-ALBUQUERQUE, S. ULITZUR, A. CHARTRAND and C. RAV-ACHA. 1987

Effects of Chlorine and Chlorine Dioxide on Mutagenic Activity of Lake Kinnereth Water. *Environ. Sci. Technol.*, **21(3)**: 252-260. [Ref #89](#)

KAISER, K.L.E., K.R. LUM and V.S. PALABRICA. 1988

Review of Field Applications of the Microtox Test in Great Lakes and St. Lawrence River Waters. *Water Pollution Research Journal of Canada*, **23(2)**: 270-278. [Ref #202](#)

KAISER, K.L.E., J.M. RIBO and K. KWASNIEWSKA. 1988

A Microtox Test Survey of Lake St. Clair Water. *Water Pollution Research Journal of Canada*, **23(3)**: 356-359. [Ref #203](#)

KREBS, F. 1985

Okotoxikologische Bewertung von Abwassern und Umweltchemikalien. (Ecotoxicological Assessment of Wastewaters and Environmental Chemicals). Forschungsbericht; Umweltforschungsplan des Bundesministers des Innern (UI-O PLAN - Ref. No. 102 05 115); Bundesanstalt für Gewässerkinde (Fed. Inst. Hydrol.), Koblenz: 1-134. [Ref #145](#)

LAU-WONG, M.M. 1990

Assessing the Effectiveness of Depuration of Polluted Clams and Mussels Using the Microtox™ Bioassay. *Bull. Environ. Contam. Toxicol.*, **44**: 876-883. [Ref #270](#)

LEHMAN, R. MICHAEL, FREDERICK S. COLWELL and JAY L. GARLAND. 1997

Physiological Profiling of Indigenous Aquatic Microbial Communities to Determine Toxic Effects of Metals. *Environmental Toxicology and Chemistry*. **16(11)**: 2232-2241. [Ref #552](#)

LEVI, Y., C. HENRIET, J.P. COUTANT, M. LUCAS and G. LEGER. 1989

Monitoring Acute Toxicity in Rivers with the Help of the Microtox Test. *Water Supply*, **7**: 25-31. [Ref #214](#)

LEVI, Y., A. GRIMAUD and M. DUTANG. 1989

Protection of Surface Water Resources by Real Time Automated Toxicity Tests. Presented at the 5th IAWPRC Workshop, Kyoto, Japan. [Ref #215](#)

LORS, C., Ponge, JF., Martinez, AM., Damidot, D. 2011

Comparison of Solid and Liquid-phase Bioassays Using Ecores to Assess Contaminated Soils. *Environ Poll.* May 12, 2011 (E-publication ahead of print). [Ref #641](#)

LUNDSTROM, E., ADOLFSSON-ERICI, M., ALSBERG, T., BJORLENIUS, B., EKLUND, B., LAVEN, M., BREITHOLTZ, M. 2010

Characterization of Additional Sewage Treatment Technologies: Ecotoxicological Effects and Levels of Selected Pharmaceuticals, Hormones, and Endocrine Disruptors. *Ecotox and Env Safety*. June 2010
[Ref #613](#)

MARONON, E.; COYA, B.; SASTRE, H. 2000

Ecotoxicity assessment of slag generated in the process of recycling lead from waste batteries. *Resources Conservation and Recycling*, **29**: 291-300

MENDONCA, E., PICADO, A., PAIXAO, S.M., CUNHA, M.A., LEITAO, S., MOURA, I., CORTEZ, C., BRITO, F. 2009

Ecotoxicity Tests in the Environmental Analysis of Wastewater Treatment Plants: Case Study in Portugal. *Journal of Haz Materials*. **163 (2-3)**: 665-670. [Ref #622](#)

MICEVSKA, T., WARNE, M.S.J., PABLO, F., PATRA, R. 2005

Variation in, and Causes of, Toxicity of Cigarette Butts to a Cladoceran and Microtox. *Environ. Contam. And Toxicology*. **50**: 205-212. [Ref #607](#)

PARDOS, MICHEL; BENNINGHOFF, CHRISTOPHE, et. al. 2000

Water toxicity in Cracow (Poland) using *Hydra attenuata*, *Selenastrum capricornutum* and Microtox toxicity tests. *Lakes, Reservoirs, Research and Management*, **5**: 75-81

PARDOS, MICHEL; BENNINGHOFF, CHRISTOPHE, et. al. 2000

Suspended matter water-elutriate toxicity from water and wastewater in Cracow (Poland) evaluates with the Microtox and *Selenastrum capricornutum* assays. *Lakes, Reservoirs, Research and Management*, **5**: 67-73.

PHYU, Y.L., WARNE, M.S.J., LIM, R.P. 2005

Effect of River Water, Sediment and Time on the Toxicity and Bioavailability of Molinate to the Marine Bacterium *Vibrio fischeri* (Microtox). *Water Research*. **59**: 2738-2746. [Ref #603](#)

POLS, H.B. 1989

Hazard Assessment of Wastewater Discharges—A Confluence of Biological and Physical Parameters. *Water Sci. Technol.*, **21**: 869-873. [Ref #139](#)

RAMAIAH, N. and D. CHANDRAMOHAN. 1993

Ecological and Laboratory Studies on the Role of Luminous Bacteria and their Luminescence in Coastal Pollution Surveillance. *Mar. Pollut. Bull.*, **26(4)**: 190-201. [Ref #396](#)

RIBO, J.M., B.M. ZARUK, H. HUNTER and K.L.E. KAISER. 1985

Microtox Toxicity Test Results for Water Samples from the Detroit River. *J. Great Lakes Res.*, **11**: 297-304. [Ref #42](#)

SCHAFFER, W.M. 1988

Forage Establishment in the Upper Deer Lodge Valley. Headwaters RC&D, Butte, MT. [Ref #187](#)

SKACEL, A. and P. SKACELOVA. 1987

Application of the Microtox Beckman Instrument for Toxicity Monitoring in Waters. *Hydrochemia*, 253-263. [Ref #135](#)

SLOOFF, W. and D. DE ZWART. 1991

The pT-value as Environmental Policy Indicator for the Exposure to Toxic Substances. *Natl. Inst. Publ. Health Environ. Protect.*, Bilthoven, The Netherlands. Report No. 719102003. [Ref #294](#)

SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT ANNUAL REPORT. 1989-1990

Wastewater Toxicity Studies, p.75-81. [Ref #319](#)

SUNAHARA, GEOFFREY I.; AMPLEMAN, GUY; et. al. 1999

Ecotoxicological characterization of energetic substances using a soil extraction procedure. *Ecotoxicology and Environmental Safety*. **43**: 138-148.

VASSEUR, P., J.F. FERARD, C. RAST and G. LARBAIGHT. 1983

Luminescent Marine Bacteria in Ecotoxicity Screening Tests of Complex Effluents, p.23-33. In B.J. Dutka and D. Lie (ed.), *Toxicity Screening Procedures Using Bacterial Systems*. Toxicity Series, Vol. I. Marcel Dekker, Inc., New York. [Ref #127](#)

VESCHAMBRE, HENRI; BONNEMOY, FREDERIQUE; et. al. 2001

Degradation products of a phenylurea herbicide, diuron: synthesis, ecotoxicity, and biotransformation. *Env. Tox. and Chem.*, **20**: 1381-1389

ZSCHOMLER, M.S. 1991

Methods for Assessing Toxic Chemicals in Wetlands. Pierre, S.D., *U.S. Fish Wildl. Serv.* [Ref #292](#)

EFFLUENT/INDUSTRIAL

AL-MUZAINI, S., M.U. BEG, L.N. ALI. 1997

Microtox® Assay for Assessment of Marine Pollution in Industrial Discharge Zone of Kuwait. *Environmental Toxicology and Water Quality: An International Journal*, **12(2)**: 109-115. [Ref #528](#)

AL-MUTAIRI, N.Z. 2006

Coagulant Toxicity and Effectiveness in a Slaughterhouse Wastewater Treatment Plant. *Ecotox and Environ Safety*. **65**: 74-83. [Ref #619](#)

ANDRÉN, C., B. EKLUND, E. GRAVENFORS, Z. KUKULSKA and M. TARKPEA. 1998

A Multivariate Biological and Chemical Characterization of Industrial Effluents Connected to Municipal Sewage Treatment Plants. *Environmental Toxicology and Chemistry*, **17(2)**: 228-233. [Ref #554](#)

ARAUJO, C.V.M., NASCIMENTO, R.B., OLIVIERA, C.A., STROTMANN, U.J., DA SILVA, E.M.

2005 The Use of Microtox to Assess Toxicity Removal of Industrial Effluents from the Industrial District of Camacari (BA, Brazil). *Chemosphere*. **58**: 1277-1281. [Ref #596](#)

BHATTACHARYYA, A., CERICOLA, D.L., HOHMAN, M.E., JAGEMAN, T.M., MARTIN, D.L. 1997

Developments in Operational Control of Coke Plant Waste Water Nitrification System. 1:537-549. 1997 Annual Convention Proceedings, AISE, Pittsburgh, PA. [Ref #546](#)

BENGTSSON, B-E, T. TRIET. 1994

Tapioca-starch Wastewater Toxicity Characterized by Microtox and Duckweed Tests. *Ambio*, 23(8): 471-477. [Ref #445](#)

BERGER, R., S.R. HANSEN and H.K. CHAMSEDDIN. 1987

Evaluating the Biodegradability of a Complex Industrial Effluent. Presented at the Eighth Annual Meeting of SETAC, Nov. 9-12, 1987, Pensacola, FL. [Ref #115](#)

BOWERS, A.R., W.W. ECKENFELDER, P. GADDIPATI and R.M. MONSEN. 1989

Treatment of Toxic or Refractory Wastewaters with Hydrogen Peroxide. *Water Science and Technology*, **21**. [Ref #366](#)

BRENNER, A., S. BELKIN and A. ABELIOVICH. 1992

Screening Removability Potential of In-Plant Waste Sources Forming a Complex Industrial Wastewater. Agents. Presented at the Water Environment Federation 65th Annual Conference & Exposition, Sept. 20-24, 1992, New Orleans, LA. [Ref #359](#)

- BRENNER, ASHER, S. BELKIN, S. ULITZUR, A. ABELIOVICH. 1994**
Utilization of a Bioluminescence Toxicity Assay for Optimal Design of Biological and Physicochemical Wastewater Treatment Processes. *Environmental Toxicology and Water Quality: An International Journal*, **9**: 311-316. [Ref #481](#)
- BRORSON, T., I. BJÖRKLUND, G. SVENSTAM and R. LANTZ. 1994**
Comparison of Two Strategies for Assessing Ecotoxicological Aspects of Complex Wastewater from a Chemical-Pharmaceutical Plant. *Environmental Toxicology and Chemistry*, **13(4)**: 543-552. [Ref #417](#)
- BUNCE, NIGEL J.; BROWNLESS, BRIAN G.; CHEN, GUOSHENG; et. al. 2001**
Preliminary risk assessment of the wet landscape option for reclamation of oil sand mine tailings: Bioassays with mature fine tailings pore water. *Environmental Toxicology*, **16**: 197-208.
- BUTTERWORTH, STEVE, CARL ADAMS, RON FALCO and AL PEDIGO. 1994**
Carbon with a Twist. *Industrial Wastewater*, March/April 1994: 42-45. [Ref #532](#)
- CASSERI, N.A. W.C. YING and S.A. SOJKA. 1983**
Use of a Rapid Bioassay for Assessment of Industrial Wastewater Treatment Effectiveness, p.867-878. In Proceedings of the 38th Purdue Industrial Wastewater Conference. Butterworth Publishers, Woburn, Mass. [Ref #4](#)
- CHEN, SHIN-DER; CHEN, JUN-NEN; CHEN, CHIU-YUANG. 1999**
Toxicity assessment of industrial wastewater by microbial testing method. *Water Science and Technology*, **39**: 139-143.
- CHOI, KYUNGHO; MEIER, PETER G. 2001**
Toxicity evaluation of metal plating wastewater employing the Microtox assay: A comparison with cladocerans and fish. *Environmental Toxicology*, **16**: 136-141.
- CLARKE, S.M., C.W. BARRICK and M.R. SAMOILOFF. 1990**
A Bioassessment Battery for Use in an Industrial Setting: A New Management Approach. *Toxicity Assess.*, **5**: 153-166. [Ref #185](#)
- COSTAN, G., N. BERMINGHAM, C. BLAISE and J.F. FERARD. 1993**
Potential Ecotoxic Effects Probe (PEEP): A Novel Index to Assess and Compare the Toxic Potential of Industrial Effluents. *Environ. Toxicology and Water Quality*, **8(1)**: 495-510. [Ref #381](#)
- DORN, P.B., R. VAN COMPERNOLLE and C.L. MEYER. 1991**
Aquatic Hazard Assessment of the Toxic Fraction from the Effluent of a Petrochemical Plant. *Environmental Toxicology and Chemistry*, **10**: 691-703. [Ref #290](#)
- DUFFY, LAWRENCE K.; LEBLOND, JANE B. 2001**
Toxicity assessment of total dissolved solids in effluent of Alaskan mines using 22-h chronic Microtox and *Selenastrum capricornatum* assays. *Science of the Total Environment*. **271**: 49-59
- FÁTIMA SANTOS BORRALHO ABOIM DE BRITO*, MARIA. 1992**
*Centro de Investigação do Ambiente - Direcção Geral da Qualidade do Ambiente. Ensaio Preliminar de Toxicidade: Aplicação do Teste de Inibição da Bioluminescência de *Photobacterium Phosphoreum*. [Ref #538](#).
- GUERRA, ROBERTA. 2001**
Ecotoxicological and chemical evaluation of phenolic compounds in industrial effluents. *Chemosphere*. **44**: 1737-1747.
- HANNEMAN, T.F. 1992**
Microtox Analysis of the Toxicity of Industrial Cleaning Agents. Submitted to Dr. D.L. Johnstone, Dept. Of Env. Eng., Washington State Univ., April 27, 1992. [Ref #391](#)

LANKFORD, P.W., W.W. ECKENFELDER, JR. and K.D. TORRENS. 1988.

Reducing Wastewater Toxicity. *Chemical Engineering*, 72-82, Nov. 7. [Ref #174](#)

MENDONCA*, E. E A.M. PICADO. 1993

Avaliacao da Eficacia de Tratamentos Propostos para um Efluente Industrial Atraves de Testes de Toxicidade. *Dep. Estudos Impacete Industrial / LNETI, 1699, LISBOA Codex. [Ref #537](#)

MONSEN, R.M. and B.D. SHERMAN. 1987

Pretreatment of a Creosoting Plant Wastewater with Hydrogen Peroxide. Presented as part of the Industrial Waste Symposia of the Water Pollution Control Federation 60th Annual Conference, Oct. 4-7, 1987, Philadelphia, PA. [Ref #367](#)

MURPHY, TOM. 2000

Coal tar in Hamilton Harbour: Attempts at biological restoration guidelines. *Environmental Toxicology*, **15**: 485-495.

REEMTSMA, T., O. FIEHN, G. KALNOWSKI, and M. JEKEL. 1995

Microbial Transformations and Biological Effects of Fungicide-Derived Benzothiazoles Determined in Industrial Wastewater. *Environmental Science & Technology*, **29(2)**: 478-485. [Ref #443](#)

RUTHERFORD, L.A., P.A. HENNIGAR, K.G. DOE, M.L. NICOL, M.M.E. HOLMES, B.C. MACDONALD and W.H. HORNE. 1992

Chemical Characterization, Aquatic Toxicity and Environmental Impact of Untreated Effluent Discharges from Three Textile Mills in the Atlantic Region. Environmental Protection, Conservation and Protection, Environment Canada, Atlantic Region. EPS-5-AR-93-1. [Ref #418](#)

SALANITRO, J.P., G.C. LANGSTON, P.B. DORN and L. KRAVETZ. 1988

Activated Sludge Treatment of Ethoxylate Surfactants at High Industrial Use Concentrations. *Water Science and Technology*, **20(11/12)**: 125-130. [Ref #355](#)

SANCHEZ, P.S., M.I.Z. SATO, C. PASCHOAL, M.N. ALVES, E.V. FURLAN and M.T. MARTINS. 1988

Toxicity Assessment of Industrial Effluents From S. Paulo State, Brazil, Using Short-Term Microbial Assays. *Toxicity Assess.*, **3**: 55-80. [Ref #124](#)

TARKPEA, M., C. ANDRÉN, B. EKLUND, E. GRAVENFORS, and Z. KUKULSKA. 1998.

A Biological and Chemical Characterization Strategy for Small and Medium Sized Industries Connected to Municipal Sewage Treatment Plants. *Environmental Toxicology & Chemistry*. **17(2)**: 234-250. [Ref #555](#)

TSAI, T.S., R.J. TURNER and C.Y. SANVILLE. 1990

Biotreatment of Red Water with Fungal Systems. Presented at the Superfund '90 Conference, Nov. 26-28, 1990. [Ref #274](#)

VELLA, P.A., J. MUNDER and B. VERONDA. 1992

Chemical Oxidation: A Tool for Toxicity Reduction and Bio-Enhancement. Presented at the Water Environment Federation 65th Annual Conference & Exposition, Sept 20-24, 1992, New Orleans, LA. [Ref #360](#)

WÄNGBERG, STEN-ÅKE, B. BERGSTRÖM, H. BLANCK, and O. SVANBERG. 1995

The Relative Sensitivity and Sensitivity Patterns of Short-Term Toxicity Tests Applied to Industrial Wastewaters. *Environmental Toxicology and Water Quality: An International Journal*, **10**: 81-90. [Ref #460](#)

EFFLUENT/MUNICIPAL

ALONSO, M.C., TIRAPU, LI., GINEBREDA, A., BARCELO, D. 2005

Monitoring and Toxicity of Sulfonated Derivatives of Benzene and Naphthalene in Municipal Sewage Treatment Plants. *Environ Pollution*. **137**: 253-262. [Ref #599](#)

BILLINGSLEY, W.A. 1990

Survey and Characterization of Wastewater Toxicity Using the Microtox Bioassay. Thesis submitted to Civil Engineering, Univ. of Hawaii. [Ref #232](#)

CARLSON-EKVALL, C.E., and G.M. MORRISON. 1995

Toxicity of Copper in the Presence of Organic Substances in Sewage Sludge. *Environmental Technology*, **16**: 243-251. [Ref #478](#)

EIHEISEL, T.W., W.B. HORNING, A.C. PETRASEK, V.R. ASBERRY, D.A. JONES, R.L. MARCUM and C.T. HALL. 1983

Effects on Toxicity of Volatile Priority Pollutants Added to a Conventional Wastewater Treatment System. EPA-600/3-83-083. Natl. Tech. Info. Serv. #PB 83-259-721. US Dept. Comm., Springfield, VA. [Ref #15](#)

HELZ, GEORGE R.; JAMEEL, RUBINA H. 1999

Organic chlormines in disinfected wastewaters: Rates of reduction by sulfite and toxicity. *Environmental Toxicology and Chemistry*, **18**: 1899-1904

HROMADA, T., G. FUJITA, P. WEDEHRA, M. MAKAR, L. PRYBYS, J. BENSON. 1994

Treatment of Chlorination By-Products and their Precursors. Presented at the Water Environment Federation Annual Conference, Oct. 16-19, 1994, Chicago, IL [Ref #432](#)

NG, K.Y., T.S. SIM, W.J. NG, S.L. ONG, M. RAMASAMY and K.N. TAN. 1994

Use of Toxicity Testing to Assess Sequencing Batch Reactor (SBR) Treatment of a Combined Sewage. [Ref #409](#)

RICCO, G., TOMEI, M.C., RAMADORI, R., LAERA, G. 2004

Toxicity Assessment of Common Xenobiotic Compounds on Municipal Activated Sludge: Comparison Between Respirometry and Microtox. *Water Research*. **38**: 2103-2110. [Ref #638](#)

SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT. 1987

Wastewater Toxicity Tests, 74-78. SCCWRP Annual Report. [Ref #201](#)

GENERAL

AMOROS, I.; CONNON, R.; et. al. 1999

Toxicity of three pesticides, related formulations, metabolites and mixtures assessed by the Microtox system. Presented at the XI Symposium of Pesticide Chemistry, Cremona, Italy, 11-15 September, 1999.

AMOROS, I.; CONNON, R.; GARELICK, H.; ALONSO, J.L.; CARRASCO, J.M. 1999

Assessment of the toxicity of some pesticides and their metabolites affecting a natural aquatic environment using the Microtox system. *Water Science & Technology*, **42**:19-24.

ANNACHHATRE, A.P.; AMORNHAEW, A. 2000

Toxicity and degradation of cyanide in batch methanogenesis. *Environmental Technology*, **21**: 135-145.

ANTCLIFFE, B.L.; COLWELL, S. 1999

Analysis of snowmelt samples collected from the cities of trail and Revelstoke, British Columbia, during the winter of 1997/1998. *Canadian Tech. Report of Fisheries and Aquatic Sciences*, **2277**: i-vii: 1-32.

ASTELEY, K.N.; BRAVEN, J.; DEPLEDGE, M.H.; GLEGG, G.A.; MEIGH, H.C. 1999

Multi-variate analysis of biomarker responses in *Mytilus edulis* and *Carcinus maenas* from the Tees Estuary (UK). *Marine Poll. Bull.*, **39**: 145-154.

BACKHAUS, T., SCHOLZE, M., GRIMME, L.H. 2000

The Single Substance and Mixture Toxicity of Quinolones to the Bioluminescent Bacterium *Vibrio fischeri*. *Aquatic Tox.* **49 (1-2)**: 49-61. [Ref #632](#)

BOIS, F., M. VAILLANT and P. VASSEUR. 1986

Multiple Regression Analysis of Toxic Interactions: Application to the Microtox Test and General Comments. *Bull. Environ. Contam. Toxicol.*, **36**: 707-714. [Ref #62](#)

BOND, G.P., MARTIN, J. 2005

Microtox. *Encyclopedia of Toxicology*. 110-111. [Ref 614](#)

BOYD, ELAINE M., ANDREW A. MEHARG, JULIAN WRIGHT and KEN KILLHAM. 1997

Assessment of Toxicological Interactions of Benzene and its Primary Degradation Products (Catechol and Phenol) using a lux-Modified Bacterial Bioassay. *Environmental Toxicology and Chemistry*, **16(5)**: 849-856. [Ref #531](#)

BULICH, A.A. 1979

Use of Luminescent Bacteria for Determining Toxicity in Aquatic Environments, p.98-106. In L.L. Markings and R.A. Kimerle (ed.), *Aquatic Toxicology*, ASTM STP 667. American Society for Testing and Materials. [Ref #1](#)

BULICH, A.A. 1982

A Practical and Reliable Method for Monitoring the Toxicity of Aquatic Samples. *Process Biochem.* March/April: 45-47. [Ref #3](#)

BULICH, A.A. 1986

Bioluminescence Assays, p.57-74. In G. Bitton and B.J. Dutka (ed.), *Toxicity Testing Using Microorganisms*, Vol. 1. CRC Press, Boca Raton, FL. [Ref #38](#)

BULICH, A. 1988

Analytical Applications of the Microtox System. Analytical Techniques and Residuals Management in Water Pollution Control Federation Specialty Conference, April 19-20, Atlanta, GA. [Ref #154](#)

BULICH, A.A. 1992

The Mode of Action of Genotoxic Agents in The Restoration of Light in the Mutatox™ System. Presented at the SETAC 13th Annual Meeting, November, 1992, Cincinnati, OH. [Ref #76-92](#)

BULICH, A.A. and D.L. ISENBERG. 1980

Use of the Luminescent Bacterial System for the Short-Term Microbial and Biochemical Assays for Rapid Assessment of Aquatic Toxicity. *ISA*, **20**:35-40. [Ref #72](#)

BULICH, A.A., M.W. GREENE and D.L. ISENBERG. 1981

Reliability of the Bacterial Luminescence Assay for Determination of the Toxicity of Pure Compounds and Complex Effluents, p.338-347. In D.R. Branson and K.L. Dickson (ed.), *Aquatic Toxicology and Hazard Assessment: Fourth Conference*, ASTM STP 737. American Society for Testing and Materials. [Ref #2](#)

BULICH, A. and G. BAILEY. 1995

Environmental Toxicity Assessment Using Luminescent Bacteria, p. 29-40. In Mervyn Richardson (ed.), *Environmental Toxicology Assessment*. Taylor & Francis Inc., 1900 Frost Road, Suite 101, Bristol, PA 19007. [Ref #493](#)

BULICH, A., HUYNH, H., ULITZUR, S. 1996

The Use of Luminescent Bacteria for Measuring Chronic Toxicity Volume 1, p. 3-12. In *Techniques in Aquatic Toxicology*, G, K., Ostrander (Ed.), CRC Press, Boca Raton, Fl. [Ref #576](#)

BUREAU DE NORMALISATION DU QUEBEC. 1987

Eaux-Determination De La Toxicite Methode Avec La Bacterie Bioluminescente Photobacterium phosphoreum. Gouvernement du Quebec, Ministere De l'industrie et du Commerce, NQ 3600-205. [Ref #108](#)

CANCILLA, D.A., A. HOLTkamp, L. MATASSA and X. FANG. 1997

Isolation and Characterization of Microtox®-Active Components from Aircraft De-Icing/Anti-Icing. *Environmental Toxicology & Chemistry*, **16(3)**: 430-434. [Ref #521](#)

CHANG, J.C., P.B. TAYLOR and F.R. LEACH. 1981

Use of the Microtox Assay System for Environmental Samples. *Bull. Environ. Contam. Toxicol.*, **26**: 150-156. [Ref #5](#)

CORNELL, JEFREY S.; HERNANDEZ, MARK T.; PILLARD, DAVID A. 2000

Comparative measures of the toxicity of component chemicals in aircraft deicing fluid. *Environmental Toxicology and Chemistry*, **19**: 1465-1472.

CORSI, STEVEN R.; GEIS, STEVEN W.; HALL, DAVID W. 2001

Aircraft and runway deicers at General Mitchell International Airport, Milwaukee, Wisconsin, USA. Toxicity of aircraft and runway deicers. *Environmental Toxicology and Chemistry*, **20**: 1483-1490.

COYA FERNÁNDEZ, B.; MARAÑÓN MAISON, E; ARRIBAS ROJO, P; SASTRE ANDRÉS, H. 1996

Ensayos Análiticos de Ecotoxicidad, Control de metales traza en agua y sedimentos. Departamento de Ingeniería Química y Tecnología del Medio Ambiente ETSIM e II, Universidad de Oviedo, Campus de Viesques 33.204, Artículos Técnicos, Septiembre, 1996: 41-55. [Ref# 518](#)

DAWSON, D.A., POCH, G., SCHULTZ, T.W. 2005

Chemical Mixture Toxicity Testing with *Vibrio fischeri*: Combined Effects of Binary Mixtures for Ten Soft Electrophiles. *Ecotox and Environ Safety*. [Ref #604](#)

DRZEWICZ, P., NALECZ-JAWECKI, G., GRYZ, M., SAWICKI, J., BOJANOWSKA-CZAJKA, A., GLUSZEWSKI, W.G., KULISA, K., WOLKOWICZ, S., TROJANOWICZ, M. 2004

Monitoring of Toxicity During Degradation of Selected Pesticides Using Ionizing Radiation. *Chemosphere*. **57**:135-145. [Ref #623](#)

ELNABARAWY, M.T. 1986

Short-Term Microbial and Biochemical Assays for Assessing Chemical Toxicity. *Haz. Subst.*, Nov. 1986. [Ref #65](#)

FULLADOSA, E., MURAT, J.C., BOLLINGER, J.C., VILLAESCUSA, I. 2007

Adverse Effects of Organic Arsenical Compounds Towards *Vibrio fischeri* Bacteria. *Science of the Total Environment*. **377(2-3)**: 207-213. [Ref #618](#)

FULLADOSA, E., MURAT, J.C., MARTINEZ, M., VILLAESCUSA, I. 2005

Patterns of Metals and Arsenic Poisoning in *Vibrio fischeri* Bacteria. *Chemosphere*. **60**: 43-48. [Ref #601](#)

FULLADOSA, E., MURAT, J.C., MARTINEZ, M., VILLAESCUSA, I. 2005

Effect of Cadmium(II), Chromium(VI), and Arsenic(V) on Long-Term Viability- and Growth-Inhibition Assays using *Vibrio fischeri* Marine Bacteria. *Environ Contam and Toxicol*. **49**: 299-306. [Ref #600](#)

GARAY, V.; ROMAN, G.; ISNARD, P. 2000

Evaluation of PNEC values: extrapolation from Microtox super(registered), algae, daphnid, and fish data to HC5. *Chemosphere*, **40**: 267-273.

GEORGES-ARES, A.; CLARK, J.R.; BIDDINGER, G.R.; HINMAN, M.L. 1999

Comparison of Test Methods and Early Toxicity Characterization for Five Dispersants. *Ecotoxicology and Environmental Safety*, **42**: 138-142.

GUPTA, GIAN; KARUPPIAH, MAKESH; LIN, YAW-JIAN; SHAW, ANAGRAH. 1999

Effect of simulated sunlight on atrazine and metochlor toxicity of surface waters. *Ecotoxicology and Environmental Safety*. **43**: 35-27.

GUSTAUSON, K.E.; CRUNKILTON, R.A.; HARKIN, J.M.; SONSTHAGEN, S.A. 2000

Groundwater toxicity assessment using bioassay, chemical, and toxicity identification evaluation analyses. *Environmental Toxicology*, **15**: 421-430

HAKKILA, K., LAPPALAINEN, J., VIRTA, M. 2004

Toxicity Detection from EILATox-Oregon Workshop Samples by Using Kinetic Photobacteria Measurement: the Flash Method. *Journal of Applied Toxicol.* **24**: 349-353. [Ref #594](#)

HARTWELL, S.I.; DAWSON, C.E.O; JORDAHL, D.M. 2000

The effect of salinity on tire leachate toxicity. *Water, Air and Soil Pollution*, **121**: 119-131.

HERNANDO, M.D., EJERHOON, M., FERNANDEX-ALBA, A.R., CHISTI, Y. 2003

Combined Toxicity Effects of MTBE and Pesticides Measured with *Vibrio fischeri* and *Daphnia magna* Bioassays. *Water Research*. **37(17)**: 4091-4098. [Ref #629](#)

HO, KAY T.; HELMSTETTER, ANDREA; et. al. 1999

pH dependent toxicity of five metals to three marine organisms. *Environmental Toxicology*, **14**: 235-240.

HSIEH, C-Y., TSAI, M-H., RYAN, D.K., PANCORBO, O.C. 2003

Toxicity of the 13 Priority Pollutant Metals to *Vibrio fischeri* in the Microtox Chronic Toxicity Test. *The Science of the Total Environment*. **320**: 37-50. [Ref #591](#)

IBO, J.M. 1993

The Luminescent Bacteria Bioassay in Ecotoxicological Monitoring, p. 255-263. European Meeting on Chemical Industry and Environment, June 2-4, 1993, Catalonia, Spain. [Ref #422](#)

INDORATO, A.M., K.B. SNYDER and P.J. USINOWICZ. 1983

Toxicity Screening Using Microtox Analyzer, p.37-53. In B.J. Dutka and D. Liu (ed.), Toxicity Screening Procedures Using Bacterial Systems. Toxicity Series, Vol. 1, Marcel Dekker, Inc. New York. [Ref #10](#)

ISENBERG, DON I. 1993

The Microtox® Toxicity Test A Developer's Commentary, p. 3-15. In M. Richardson (ed.), Ecotoxicology Monitoring. VCH Publishers, New York, NY (USA) [Ref #423](#)

JOHNSON, B.T. 1991

New Bacterial Mutagenicity Test Detects Environmental Genotoxic Pollutants. *Research Information Bulletin, Fish and Wildlife Service, No. 91-55*. [Ref #94](#)

JOHNSON, B.T. 1992

An Evaluation of a Genotoxicity Assay with Liver S9 for Activation and Luminescent Bacteria for Detection. *Environmental Toxicology and Chemistry*, **11**: 473-480. [Ref #322](#)

JOHNSON, F.H., H. EYRING and B.J. STOVER. 1974

The Theory of Rate Processes in Biology and Medicine. John Wiley & Son, New York. [Ref #11](#)

JOHNSON, LARRY R., R. DAVENPORT, H. BALBACH AND D. SCHAEFFER. 1994

Phototoxicology. *Ecotoxicology & Environmental Safety*, **27**: 23-33. [Ref #522](#)

KAISER, K.L.E. 1984

Organic Contaminants in the Environment: Research Progress and Needs. *Environ. Intl.*, **10**: 241-250. [Ref #48](#)

KENNEDY, K.J.; GRAHAM, B.; DROSTE, R.L.; FERNANDES, L.; NARBAITZ, R. 2000

Microtox super and Ceriodaphnia dubia toxicity of BKME with powdered activated carbon treatment super. *Water S.A.*, **26**: 205-216.

KREBS, F. 1983

Toxizitätstest mit Gefriergetrockneten Leuchtbakterien. (Toxicity Test with Freeze-dried Luminescent Bacteria, (in German). *Gewässerschutz, Wasser, Abwasser (Aachen)*, **63**: 173-230. [Ref #97](#)

KREBS, F. ; QURESHI, A.A., R.N. COLEMAN and J.H. PARAN. 1987

Der Leuchtbakterientest, ein Schnelltest mit hoher Empfindlichkeit für die Abwasser- und Gewässerüberwachung. (Bacterial Bioluminescence Test, a Quick Test with High Sensitivity to Control Waste and Surface Waters, in German). Arbeitstagung der Internationalen Arbeitsgemeinschaft Donauforschung der Societas Internationalis Limnologiae, Sept. 14-18, 1987, Passau/Deutschland, **1**: 537-542 (ISBN 3-9800 835-4-3). [Ref #98](#)

KREBS, F. 1991

Der Leuchtbakterientest für die Wassergesetzgebung. Schriftenreihe des Vereins für Wassergesetzgebung. Sachriftenreihe des Vereins für Wasser-Boden und Luft hygiene 85 (1991) im Druck. [Ref #385](#)

LAPPALAINEN, J., JUVONEN, R., NURMI, J., KARP, M. 2001

Automated Color Correction Method for Vibrio fischeri Toxicity Test. Comparison of Standard and Kinetic Assays. *Chemosphere*. **45 (4-5)**: 635-641. [Ref #631](#)

LEGAULT, R., C. BLAISE, D. ROKOSH and R. CHONG-KIT. 1994

Comparative Assessment of the SOS Chromotest Kit and the Mutatox Test with the Salmonella Plate Incorporation (Ames Test) and Fluctuation Tests for Screening Genotoxic Agents. *Environmental Toxicology and Water Quality*, **9(1)**: 45-57. [Ref #120](#)

LITZUR, S. 1986

Bioluminescence Test for Genotoxic Agents, p. 264-274. In M.A. Deluca and W.D. McElroy (ed.), Bioluminescence and Chemiluminescence. Methods in Enzymology, Vol. 133, Academic Press. [Ref #83](#)

LIU, X.; WU, C.; HAN, S.; WANG, L.; ZHANG, Z. 2001

The Acute Toxicity of alpha-Branched Phenylsulfonyl Acetates in Photobacterium phosphoreum Test. *Ecotoxicology and Environmental Safety*. **49**: 240-244.

MCCARTHY, B.J. and R.J. ROBINSON. 1988

Rapid Detection of Toxic Substances, p.45-46. Business Press International, New York. [Ref #175](#)

MCCONKEY, BRENDAN J., CHERYL L. DUXBURY, D. GEORGE DIXON AND BRUCE M. GREENBERG. 1997

Toxicity of a PAH Photooxidation Product to the Bacteria Photobacterium Phosphoreum and the Duckweed Lemna Gibba: Effects of Phenanthrene and its Primary Photoproduct, Phenanthrenequinone. *Environmental Toxicology and Chemistry*, **16(5)**: 892-899. [Ref #534](#)

MCLEAY, D.J. 1991

Canadian Approaches and Test Methods for Determining and Monitoring the Aquatic Toxic Effects of BKME. Abstract for the Int'l Conf. on Bleached Kraft Pulp Mills-Technical and Enviro. Issues, Feb. 4-7, Melbourne, Australia. [Ref #275](#)

PANTANI, CLAUDIO, ALESSANDRA ARIZZI NOVELLI, MARIA CRISTINA MAGGITI, ANNA VOLPI GIRARDINI. 1994

Impiego del Test Microtox® Nella Valutazione Della Tossicità di Sostanze Pure, Effluenti e Matrici Solide. Atti Seminario di Studi "Dalla tossicologia alla ecotossicologia", Pordenone 16-17 settembre 1994. R. Azzoni, N. De Marco, G. Sansoni (ed) Pordenone 1996. [Ref #545](#)

PASSARINI, FABRIZIO; et. al. 2000

Extraction, identification and quantification of heavy metals in Venice Lagoon sediments using toxicity tests with microorganisms. *Annali di Chimica.*, **90**: 91-101.

PILLARD, DAVID A.; CORMELL, JEFFREY S.; DUFRESNE, DOREE L.; HERNANDEZ, MARK T. 2001

Toxicity of benzotriazole and benzotriazole derivatives to three aquatic species. *Water Research*, **35**: 557-560.

QURESHI, A.A., R.N. COLEMAN and J.H. PARAN. 1983

Evaluation and Refinement of the Microtox Test for use in Toxicity Screening, p.89-118. In B.J. Dutka and D. Liu (ed.), Toxicity Screening Procedures Using Bacterial Systems. Toxicology Series, Vol. 1, Marcel Dekkar, New York. [Ref #19](#)

QURESHI, A.A., A.K. SHARMA and J.H. PARAN. 1987

Microtox Quality Control Collaborative Study: A Unique and Enlightening Experience. Presented at the 3rd Intl. Symposium on Toxicity Testing. May 11-15, 1987, Valencia, Spain. [Ref #90](#)

QURESHI, A., A. BULICH and D. ISENBERG. 1997

Microtox Toxicity Test Systems – Where They Stand Today. In Microscale Testing in Aquatic Toxicology: Advances, Techniques and Practice. Wells, P.G., K. Lee and C. Blaise (eds), CRC Lewis Publishers, FL. [Ref #527](#)

RENOUX, AGNES Y.; SAMSON, REJEAN; TAYAGI, RAJESWAR,D. 1999

Effects of irradiation and freezing on toxicity of sewage sludge elutriate samples. *Water Quality Research Journal of Canada*. **34**: 589-597.

RIBO, J.M. 1991

Evaluacion De La Contaminacion Quimica Del Medio Acuatico: El Ensayo De Bacterias Luminescentes. Fuente: AFINIDAD-437 pág. 7-17, 1992 Del Curso de Doctorado: "Contaminación química: origen, detección y control". I.Q.S. 1991. In Spanish. [Ref #345](#)

RIBO, J.M. and K.L.E. KAISER. 1987

Photobacterium phosphoreum Toxicity Bioassay. I. Test Procedures and Applications. *Toxicity Assess.*, **2**: 305-323. [Ref #95](#)

RIBO, J. 1996

El Ensayo de Bacteria Luminescentes en la Evaluación de la Contaminación Química del Medio Acuático. (The Bacterial Luminescence Assay in the Assessment of Chemical Contamination of the Aquatic Environment) Técnica y Ciencia, Institut Català de Tecnologia: Pl. Ramón Berenguer, n.º 1 pral - 08002 Barcelona - España. AQEIC - N.º2 -Abr./ May/Junio, (75-89) 1996. [Ref # 517](#)

ROBIDOUX, P.Y., GONG, P., SARRAZIN, M., BARDAI, G., PAQUET, L., HAWARI, J., DUBOIS, C., SUNAHARA, G. 2004

Toxicity Assessment of Contaminated Soils From an Ammunition Firing Range. *Ecotox and Environ Safety*. **58**: 300-313. [Ref #588](#)

RODRIGUEZ, S., SANTOS, A., ROMERO, A. 2011

Effectiveness of AOP's on Abatement of Emerging Pollutants and their Oxidation Intermediates: Nicotine Removal with Fenton's Reagent. Desalination, In Press, Corrected Proof. Available online 19 July 2011, ISSN 0011-9164, DOI: 10.1016/j.desal.2011.06.055.

ROSS, P. 1991

The Role of Microtox in Aquatic Toxicity Testing. (Personnel Communication.) [Ref #300](#)

ROWE, P., A. BULICH, K. SLIMM, J. SINA and E. SARGENT. 1994

An Evaluation of the Mutatox Luminescence Bacteria Test System as a Genotoxicity Assay. Presented at the 33rd Annual Meeting of the Society of Toxicology, March 13-17, 1994, Dallas, TX. [Ref #158](#)

SCHEERER, S., GOMEZ, F., LLOYD, D. 2006

Bioluminescence of *Vibrio fischeri* in continuous culture: Optimal conditions for stability and intensity of photoemission. *Journal of Microbiological Methods*, Available online 5 June 2006: 321-329. [Ref #641](#)

SHANG, N-C., YU, Y-H., MA, H-W., CHANG, C-H., LIOU, M-L. 2006

Toxicity Measurements in Aqueous Solution During Ozonation of Monochlorophenols. *Journal of Environ Management*. **78**: 216-222. [Ref #605](#)

SHIOTSUKA, R.N., A.F. HEGYELI, P.H. GIBBS and B.A. SIGGENS. 1980

A Short-Term Toxicity Screening Test Using Photobacteria, A Feasibility Study. U.S. Army Medical Bioengineering Research & Development Laboratory. Technical Report 8002. [Ref #122](#)

STEINBERG, SPENCER M., E.J. POZIOMEK, W.H. ENGELMAN K.R. ROGERS. 1996

A Review of Environmental Applications of Bioluminescence Measurements. *Chemosphere*, **30**: 2155-2197. [Ref #515](#)

STRIEBIG, BRADLEY A.; CAMPBELL, HARRY L. 1999

Evaluation of N-methylpyrrolidone and its oxidative products toxicity utilizing the Microtox assay. *Environmental Science & Technology*, **33**: 1926-1930.

TAM, N.F.Y.; YIM, M.W. 1999

Effects of wastewater-borne heavy metals on mangrove plants and soil microbial activities. *Marine Poll. Bull.*, **39**: 179-186.

TREVIZO, C.; NIRMALAKHANDAN, N. 1999

Prediction of microbial toxicity of industrial organic chemicals. *Water Science and Technology*, **39**: 63-69.

TSIRIDIS, V., PETALA, M., SAMARAS, P., HADJISPYROU, S., SAKELLAROPOULOS, G., KUNGOLOS, A. 2006

Interactive Toxic Effects of Heavy Metals and Humic Acids on *Vibrio fischeri*. *Ecotox and Environ Safety*. **63**: 158-167. [Ref #616](#)

UTGIKAR, V.P., CHAUDHARY, N., KOENIGER, A., TABAK, H.H., HAINES, J.R., GOVIND, R. 2004

Toxicity of Metals and Metal Mixtures: Analysis of Concentration and Time Dependence for Zinc and Copper. *Water Research*. **38**: 3651-3658. [Ref #593](#)

VASSEUR, P., F. BOIS, J.F. FERARD and C. RAST. 1986

Influence of Physiochemical Parameters on the Microtox Test Response. *Toxicity Assess.*, **1**: 283-300. [Ref #39](#)

VASSEUR, P. 1989

Microtox Test Document ISO/TC 147/SC 5/WG 1 N110. [Ref #189](#)

VASSEUR, P., J.F. FERARD, C. RAST and P. WEINGERTNER. 1986

The Microtox Test in Quality Control of Water. *J. Francais d' Hydrologic*, **17(2)**: 153-162. [Ref #238](#)

VILLAESCUSA, ISABEL, SALVI MARTI, CARME MATAS, MARIA MARTÍNEZ and JOSEP M. RIBO. 1997

Chromium (VI) Toxicity to Luminescent Bacteria. *Environmental Toxicology and Chemistry*, **16(5)**: 871-874. [Ref #533](#)

Wang, P., Zhou, T., Wang, R., Lim, T. 2011

Carbon-sensitized and nitrogen-doped TiO₂ for photocatalytic degradation of sulfanilamide under visible-light irradiation, *Water Research*, In Press, Accepted Manuscript, Available online 18 July 2011, ISSN 0043-1354, DOI: 10.1016/j.watres.2011.07.002.

WELLS, PETER G. 1999

Biomonitoring the health of coastal marine ecosystems: The roles and challenges of microscale toxicity tests. *Marine Poll. Bull.*, **39**: 39-47.

WILLEMSSEN, A., M.A. VAAL, D. DE ZWART. 1995

Microbiotests as Tools for Environmental Monitoring. Rijksinstituut Voor Volksgezondheid en Milieuhygiene Bilthoven, Rapportnummer: **607042005**, January, 1995. [Ref #468](#)

WINKLESS, N.B. 1988

Will it hurt? *CHEMTECH*, **18**: 658-660. [Ref #153](#)

WINKLESS, N.B. 1990

Biosensors, Targeting Toxicity. *Biotechnology*, **20**: 546-550. [Ref #316](#)

GENOTOXICITY

ARFSTEN, D.P., R. DAVENPORT, and D.J. SCHAEFFER. 1994

Reversion of Bioluminescent Bacteria (Mutatox®) to their Luminescent State upon Exposure to Organic Compounds, Munitions, and Metal Salts. *Biomedical and Environ. Sciences*, **(7)**: 144-149. [Ref #472](#)

BELKIN, SHIMSHON, M. STIEBER, A. TIEHM, F.H. FRIMMEL, A. ABELIOVICH, P. WERNER, and S. ULITZUR. 1994

Toxicity and Genotoxicity Enhancement During Polycyclic Aromatic Hydrocarbons Biodegradation. [Ref #424](#)

ODINA, J.C., C. PÉREZ-TORRENTE, A. PÉREZ. GARCÍA, F.M. CAZORIA, A. DE VICENTE. 1995

Comparison of Microbial Tests for the Detection of Heavy Metal Genotoxicity. *Bull. Environ. Contam. and Toxicology* (1995) 260-265. [Ref #498](#)

ELDER, J.F. 1989

Applicability of Ambient Toxicity Testing to National or Regional Water-Quality Assessment. USGS, Open-File Report 89-55. [Ref #224](#)

FOX, R. and B. T. JOHNSON. 1994

Detection of Genotoxins in Contaminated Sediments: An Evaluation of a New Test for Complex Environmental Mixtures. [Ref #437](#)

HALLAWAY, B.J., M.A. SANDERS, and D.J. O'KANE. 1994

Genotoxicity of Substrates and Products of Chemiluminescence Reactions. Presented at 1994 International Symposium on Bioluminescence and Chemiluminescence. Reduced version presented at Cambridge, England, Sept. 1994. [Ref #430](#)

HALLAWAY, B.J., M.A. SANDERS, and D.J. O'KANE. 1994

Genotoxicity Assessment of Substrates and Products of Chemiluminescence Reactions. Presented at 1994 International Symposium on Bioluminescence and Chemiluminescence, Cambridge, England, Sept. 1994. [Ref #431](#)

HO, K.T., L.J. MILLS, C. MUELLER, S.C. ANDERSON and A.R. MALCOLM. 1994

The influence of Sediment Extract Fractionation Methods on Bioassay Results. *Environmental Toxicology and Water Quality*, **9(2)**: 145-154. [Ref #149](#)

HOKE, R.A., P.D. JONES, A.E. MACCUBBIN, M.J. ZABIK and J.P. GIESY. 1994
Use of In Vitro Microbial Assays of Sediment Extracts to Detect and Quantify Contaminants with Similar Modes of Action. *Chemosphere*, **28(1)**: 169-181. [Ref #446](#)

JARVIS, A.S. 1995
Environmenta Effects of Dredging Programs. A Comparison of the Ames Assay and Mutatox in Assessing the Mutagenic Potential of Contaminated Dredged Material. US Army Corps of Engineers, Waterways Experiment Station, Technical Report **D-95-1**. [Ref #448](#)

JARVIS, A.S., M.E. HONEYCUTT. 1994
A Comparison of the Ames Assay and Mutatox™ in Assessing the Mutagenic Potential of Contaminated Sediment. Presented at the SETAC 15th Annual Meeting, October, 1994, Denver, CO.
[Ref #444](#)

JARVIS, A. SUSAN, M.E. HONEYCUTT, V.A. MCFARLAND, A.A. BULICH, and H.C. BOUNDS. 1996
A Comparison of the Ames Assay and Mutatox® in Assessing the Mutagenic Potential of Contaminated Dredged Sediment. *Ecotoxicology and Environmental Safety*, **33**: 193-200. [Ref #510](#)

JOHNSON, B.T. 1990
A Mutatox Assessment of Genotoxicants in Great Lakes Sediments. Paper presented at the Annual Meeting of SETAC, November 11-15, 1990. Washington D.C. [Ref #273](#)

JOHNSON, B. THOMAS. 1991
Evaluation of a Genotoxicity Assay with Luminescent Bacteria. Natl. Fisheries Contam. Res. Ctr., Fish & Wildlife, U.S. Dept. of the Interior. [Ref #322](#)

JOHNSON, B.T. 1991
New Bacterial Mutagenicity Test Detects Environmental Genotoxic Pollutants. *Research Information Bulletin, Fish & Wildlife Service, No. 91-55*. [Ref #94](#)

JOHNSON, B.T. 1991
Potential Genotoxicity of Sediments from the Great Lakes Basin: Rapid Detection with the Mutatox™ Assay. *Research Information Bulletin, Fish & Wildlife Service, 91-101*. [Ref #92](#)

JOHNSON, B.T. 1992
Potential Genotoxicity of Sediments from the Great Lakes. *Environmental Toxicology and Water Quality*, **7**: 373-390. [Ref #362](#)

JOHNSON, B.T. 1992
An Evaluation of a Genotoxicity Assay with Liver S9 for Activation and Luminiscent Bacteria for Detection. *Environmental Toxicology and Chemistry*. **11**: 473-480. [Ref #322](#)

JOHNSON, B.T. 1995
Assessment and Remediation of Contaminated Sediments (ARCS) Program-Detection of Genotoxins in Contaminated Sediments: An Evaluation of a New Test for Complex Environmental Mixtures.
[Ref #440](#)

JOHNSON, B.T. 1994
Detection of Genotoxins in Chemically Contaminated Sediments: An Evaluation of a New Test for Complex Environmental Mixtures. Assessment and Remediation of Contaminated Sediment (ARCS) Project, June 1994. [Ref #425](#)

KLAMER, HANS J.C., LEEN A. VILLERIUS, JAN ROELSMA, P. GERT-JAN DE MAAGD and ANTOON OPPERHUIZEN. 1992
Genotoxicity Testing using the Mutatox® Assay: Evaluation of Benzo(a)pyrene as Positive Control.
[Ref #530](#)

KWAN, K.K., B.J. DUTKA, S.S. RAO and D. LIU. 1990

Mutatox Test: A New Test for Monitoring Environmental Genotoxic Agents. *Environmental Pollution*, **65**: 323-332. [Ref #256](#)

KWAN, K.K., B.J. DUTKA, S.S. RAO and D. LIU. 1990

Mutatox Test: A New Test for Monitoring Environmental Genotoxic Agents. *Environmental Pollution*, **65**: 323-332. [Ref #256](#)

LEGAULT, R., C. BLAISE, D. ROKOSH and R. CHONG-KIT. 1994

Comparative Assessment of the SOS Chromotest Kit and the Mutatox Test with the Salmonella Plate Incorporation (Ames Test) and Fluctuation Tests for Screening Genotoxic Agents. *Environmental Toxicology and Water Quality*, **9(1)**: 45-57. [Ref #120](#)

MASSEY, JOANNA, M.D. AITKEN, L.M. BALL and P.E. HECK. 1994

Mutagenicity Screening of Reaction Products from the Enzyme-Catalyzed Oxidation of Phenolic Pollutants. *Environmental Toxicology and Chemistry*, **13(11)**: 1743-1752. [Ref #471](#)

ROWE, P., A. BULICH, K. SLIMM, J. SINA and E. SARGENT. 1994

An Evaluation of the Mutatox® Luminescence Bacteria Test System as a Genotoxicity Assay. Presented at the 33rd Annual Meeting of the Society of Toxicology, March 13-17, 1994, Dallas, TX. [Ref #158](#)

UN, T.S.C. and H. M. STAHR. 1993

Evaluation and Application of a Bioluminescent Bacterial Genotoxicity Test, *J. AOAC Intl.*, **76(4)**: 893-898. [Ref #113](#)

LITZER, S. 1986

Bioluminescence Test for Genotoxic Agents, p. 264-274. In M.A. Deluca and W.D. McElroy (ed.), *Bioluminescence and Chemiluminescence. Methods in Enzymology*, Vol. 133, Academic Press. [Ref #83](#)

VISMARA, C., A. GARABAGLIA. 1997

4-Chloro-2-Methylphenoxyacetic Acid Containing Compounds. Genotoxicity Evaluation by Mutatox Assay and Comparison with Acute (Microtox) and embryo (FETAX) Toxicities. *Bull. Environ. Contam. Toxicol.*, **58**: 582-588. [Ref #523](#)

WANG, W.-D., T.S.C. SUN, and H.M. STAHR. 1998

Continued Evaluation and Application of a Bioluminescent Bacterial Genotoxicity Test. p. 181-190. In H. Salem and S. Katz (ed.), *Advances in Animal Alternatives for Safety and Efficacy Testing*. Taylor & Francis, Washington, DC. [Ref #559](#)

WREN, A.E., C.D. MELIA, S.T. GARNER and S.P. DENYER. 1993

Decontamination Methods for Cytotoxic Drugs. 1. Use of a Bioluminescent Technique to Monitor the Inactivation of Methotrexate with Chlorine-based Agents. *Journal. of Clinical Pharmacy and Therapeutics*, **18**: 133-137. [Ref #495](#)

YIM, SUN HEE, S.S. QUE HEE. 1995

Genotoxicity of Nicotine and Cotinine in the Bacterial Luminescence Test. *Mutation Research, Environ. Mutagenesis and Related Subjects including Methodology* 335 (1995): 275-283. [Ref #509](#)

HAZARDOUS WASTE

ADAMS, W.J., E.J. VALINES, D.E. MCKENZIE and B.M. HUGHES. 1990

Biodegradability of Sixteen Chemicals in a Hazardous Waste Site by an Indigenous Microbial Consortium. Presented at Superfund '90, Nov. 26-28. [Ref #276](#)

- APRILL, W.A., R.C. SIMS, J.L. SIMS, and J.E. MATTHEWS. 1992**
Assessing Hazardous Chemical Detoxification and Degradation in Contaminated Soil Using Integrated Chemical and Biological Testing. [Ref #451](#)
- ATHEY, L.A., J.M. THOMAS, J.R. SKALSKI and W.E. MILLER. 1987**
Role of Acute Toxicity Bioassays in the Remedial Action Process at Hazardous Waste Sites. EPA 600/8/87/044, Aug. 1987. [Ref #250](#)
- BAEK, N.H., M.A. SANGER and N.A. CASSERI. 1990**
Toxicological Evaluation of Soil Treatment Technology. Abstract Presented at the SETAC Conference, Nov. 12-14. [Ref #263](#)
- BAKER, M.B.L. 1985**
Surface Water Contamination by Landfill Leachates. Prepared for Alberta Environment, Research Management Division by Kananaskis Centre for Environmental Research, University of Calgary. RMD Report L-90. [Ref #81](#)
- BELKIN, SHIMSHON, M. STIEBER, A. TIEHM, F.H. FRIMMEL, A. ABELIOVICH, P. WERNER, and S. ULITZUR. 1994**
Toxicity and Genotoxicity Enhancement During Polycyclic Aromatic Hydrocarbons Biodegradation. [Ref #424](#)
- BELL, P.E., S.C. TREMAINE and R.M. LEHMAN. 1991**
Microbiological Screening Techniques to Monitor Progress of PNA Bioremediation. [Ref #314](#)
- CALLEJA, A., J.M. BALDASANO and A. MULET. 1986**
Toxicity Analysis of Leachates from Hazardous Wastes Via Microtox and Daphnia Magna. *Toxicity Assess.*, **1**: 73-83. [Ref #34](#)
- CARLSON, C.E. A. and G.M. MORRISON. 1992**
Fractionation and Toxicity of Metals in Sewage Sludge. *Environmental Technology*, **13**: 134-140. [Ref #342](#)
- CASSELS, N.P.; LANE, C.S.; DEPALA, M.; SAEED, M.; CRASTON, D.H. 2000**
Microtox registered testing of pentachlorophenol in soil extracts and quantification by capillary electrochromatography (CEC) – A rapid screening approach for contaminated land. *Chemosphere*, **40**: 609-618.
- CHRISTOPHERSON, S. and R.N. DEXTER. 1987**
Guidelines and Recommendations for Using Bioassessment in the Superfund Remedial Process. Prepared for the NOAA Coastal Resource Coordinators. [Ref #260](#)
- DASAPPA, S.M. and R.C. LOEHR. 1991**
Toxicity Reduction in Contaminated Soil Bioremediation Processes. *Water Research*, **25(9)**: 1121-1130. [Ref #302](#)
- DOMBROSKI, C., I.D. GAUDET, L. Z. FLORENCE and A.A. QURESHI. 1996**
A Comparison of Techniques Used to Extract Solid Samples Prior to Acute Toxicity Analysis Using the Microtox® Test. *Environmental Toxicology and Water Quality: An International Journal*, **11**: 121-128. [Ref #503](#)
- DONNELLY, K.C., K.W. BROWN, C.S. ANDERSON, J.C. THOMAS and B.R. SCOTT. 1990**
Bacterial Mutagenicity and Acute Toxicity of Solvent and Aqueous Extracts of Soil Samples from an Abandoned Chemical Manufacturing Site. *Environmental Toxicology and Chemistry*, **10**: 1123-1131. [Ref #312](#)
- FISHER, DEAN R. and A.G. SEECH. 1995**

The Impact of Soil Toxicity Testing on Bioremediation Technology. *Environ. Science & Engineering* 85-86. [Ref #476](#)

GALLI, R., C.D. MUNZ and R. SCHOLTZ. 1994

Evaluation and Application of Aquatic Toxicity Tests: Use of the Microtox Test for the Prediction of Toxicity Based upon Concentrations of Contaminants in Soil. *Hydrobiologia*, **273**: 179-189. [Ref #429](#)

HEARD, C.S., J.G. MUELLER, M.D. BROURMAN and E.T. MANGES. 1993

Bioremediation of Creosote Contaminated Soil in Slurry-Phase Reactors as Assessed by Chemical and Microtox® (sic) Analyses. Presented at 14th Annual Meeting of SETAC, Nov. 14-18, 1993, Houston, TX. [Ref #400](#)

HN, B.K. and G. MORRISON. 1991

Soil Toxicity Screening Test With Photobacterium Activity in Environmental Site Assessments. EcoTech, Inc., Irving, TX. [Ref #297](#)

HINDIN, E., C.A. MARTIN and E. HANUS. 1992

Characterization of Hazardous Wastes from Highway Maintenance Operations. The Proceedings of the "International Symposium on Environmental Contamination in Central and Eastern Europe." Oct. 12-16, 1992, Budapest. [Ref #392](#)

HUTZINGER, O. 1986

Creosote: The Handbook of Environmental Chemistry, p.159-205. In O. Hutzinger (ed.), Vol 3/Part D, p.159-205. Springer-Verlag Berlin Heidelberg. [Ref #206](#)

ISNARD, O.; GARAY, V.; ROMAN, G. 2000

Evaluation of PNEC values: Extrapolations from Microtox, algae, daphnid, and fish data to HC5. *Chemosphere*, **40**: 267-273.

JUHASZ, A.L.; STANLEY, G.A.; BRITZ, M.L. 2000

Degradation of High Molecular Weight PAHs in Contaminated Soil by a Bacterial Consortium: Effects on Microtox and Mutagenicity Bioassays. *Bioremediation Journal*, **4**: 271-283.

KNOKE, K.L.; MARWOOD, T.M.; ET. AL. 1999

A comparison of five bioassays to monitor toxicity during bioremediation of pentachlorophenol – contaminated soil. *Water, Air & Soil Pollution*, **110**: 157-169.

KROSS, B.C. 1987

Assessment of Leachate Monitoring and Toxicity in Groundwater Around Iowa Municipal Landfills. Presented at Second International Conference on New Frontiers for Hazardous Waste Management. Sept. 27-30, 1987, Pittsburg, PA. [Ref #80](#)

LOEHR, R.C. and R.M. KABRICK. 1988

Bioremediation of Contaminated Soils. Presented at the Water Pollution Control Federation Specialty Conference. [Ref #197](#)

LOEHR, R.C. 1989

Treatability Potential for EPA Listed Hazardous Wastes in Soil. U.S. EPA/600/S2-89/011. [Ref #255](#)

MAKINEN, P.M., T.J. JOHN, F. FERGUSON, J.E. ONGERTH and J.A. PUHAKKA. 1993

Chlorophenol Toxicity Removal and Monitoring in Aerobic Treatment: Recovery from Process Upsets. *Environmental Science and Technology*, **27**: 1434-1439. [Ref #378](#)

MATTHEWS, J.E. and A.A. BULICH. 1986

A Toxicity Reduction Test System to Assist in Predicting Land Treatability of Hazardous Organic

Wastes, p.176-191. In J.K. Petros Jr., W.J. Lucy, and R.A. Conway (ed.), Fourth Symposium, ASTM STP 886. American Society for Testing and Material, Philadelphia, PA. [Ref #14](#)

MATTHEWS, J.E. and L. HASTINGS. 1987

Evaluation of a Toxicity Test Procedure for Screening Treatability Potential of Waste in Soil. *Toxicity Assess.*, **2**: 265-281. [Ref #102](#)

MCCULLOUGH, R. and R. SENTIS. 1992

Final Report on the Investigation Into the Grand Coulee Fire. Prepared by the Government of Saskatchewan, Canada. Introduction, T of C, List of Tables. Emergency Response/Hazardous Waste. [Ref #333](#)

MCDOWELL, A.S. and G.D. BOARDMAN. 1986

Three Screening Tests for the Evaluation of Ground Water Quality. Toxic and Hazardous Wastes. In G.D. Boardman (ed.). Technomic Inc., Lancaster, PA. [Ref #64](#)

MGINNIS, G.D., H. BORAZJANI, L. MCFARLAND, D. POPE and D. STROBEL. 1987

Land Treatment of Chlorinated Phenols and Polycyclic Aromatic Hydrocarbons. Presented at the Eighth Annual Meeting for the Society of Environmental Toxicology and Chemistry. Nov. 9-12, 1987, Pensacola, FL. Paper Number 353. [Ref #118](#)

MIDDAUTH, D.P., J.G. MUELLER, R.L. THOMAS, S.E. LANTZ, M.H. HEMMER, G.T. BROOKS and P.J. CHAPMAN. 1991

Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment. *Arch. Environ. Contam. Toxicol.*, **21**: 233-244. [Ref #318](#)

MUELLER, J.G., D.P. MIDDAUGH, S.E. LANTZ and P.J. CHAPMAN. 1991

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment. *Applied Environmental Microbiology*, May: 1277-1285. [Ref #291](#)

NADEAU, R. and M.T. KWIATOWSKI. 1985

Use of a Bacterial Toxicity Measurement System at Hazardous Waste Sites. US EPA Emergency Response Team. Jacobs Engineering, Inc., Edison, NJ. [Ref #27](#)

NAM-KOONG, W. 1988

Removal of Phenolic Compounds in Soil, Ph.D. Thesis. Dept. of Civil Engineering, University of Texas. [Ref #130](#)

PLOTKIN, S. and N.M. RAM. 1984

Multiple Bioassays to Assess the Toxicity of a Sanitary Landfill Leachate. *Arch. Environ. Contam. Toxicol.*, **13**: 197-206. [Ref #17](#)

REBAGAY, T.V., D.A. DODD and J.A. VOOGD. 1991

Toxicity Assessment of Hanford Site Wastes By Bacterial Bioluminescence. Prepared for the U.S. Department of Energy Office of Environmental Restoration and Waste Management. [Ref #330](#)

RIBO, J.M., C. PEREZ and T.A. MICHEL. 1993

Toxicity Assay of Industrial Waste. Presented at the Symposium on Toxicity Assessment, Berlin, May 1993. [Ref #413](#)

SIMS, J.L., R.C. SIMS and J.E. MATTHEWS. 1990

Approach to Bioremediation of Contaminated Soil. *Haz. Waste Haz. Mat.*, **7(2)**: 15-21. [Ref #283](#)

SYMONS, B.D. and R.C. SIMS. 1988

Assessing Detoxification of a Complex Hazardous Waste Using the Microtox Bioassay. *Arch. Environ. Contam. Toxicol.*, **17**: 497-505. [Ref #140](#)

THOMAS, J.M., J.R. SKALSKI, J.F. CLINE, M.C. MCSHANE, W.E. MILLER, S.A. PETERSON, C.A. CALLAHAN and J.C. GREENE. 1986

Characterization of Chemical Waste Site Contamination and Determination of its Extent Using Bioassays. Battelle, Pacific Northwest Laboratory, Richland, WA. *Environmental Technology and Chemistry*, **5**: 482-501. [Ref #59](#)

THOMAS, J.M., L.A. ATHEY and J.R. SKALSKI. 1987

Statistical Approaches to Screening Hazardous Waste Sites for Toxicity Proceedings, Third Annual Symposium, US EPA on Solid Waste Testing and Quality Assurance, Vol. 1. July 13-17, Westin Hotel, Washington, D.C. [Ref #111](#)

AN STEERTEGEM, G. PERSONNE, M.D. SANCINENA and M.T. FELIPO. 1990

Determination of the Toxicity of Hazardous Wastes with a Battery of Screening Toxicity Tests. Presented at the Society of Environmental Toxicology and Chemistry Eleventh Annual Meeting, Nov. 11-15, Arlington, VA. [Ref #265](#)

WANG, X. and R. BARTHA. 1990

Effects of Bioremediation on Residues, Activity and Toxicity in Soil Contaminated by Fuel Spills. *Soil. Biol. Biochem.*, **22(4)**: 501-505. [Ref #251](#)

WELTENS, R., DEPRez, K., MICHIELS, L. 2014

Validation of Microtox as a First Screening Tool for Waste Classification. Waste Management (2014). <http://dx.doi.org/10.1016/j.wasman.2014.08.001>. [Ref #642](#)

ANG, X., X. YU and R. BARTHA. 1990

Effect of Bioremediation on Polycyclic Aromatic Hydrocarbon Residues in Soil. *Environmental Science and Technology*. **24(7)**: 345-347. [Ref #253](#)

PETROCHEM

AL-MUTAIRI, N., BUFARSAN, A., AL-RUKAIBI, F. 2008

Ecorisk Evaluation and Treatability of Soils Contaminated with Petroleum Hydrocarbon-based Fuels. *Chemosphere*. **74**: 142-148. [Ref #615](#)

AMERICAN PETROLEUM INSTITUTE. 1989

Rapid Bioassay Procedures for Drilling Fluids. API Publication No. 4481, Health & Environmental Sciences Dept., March 1989. [Ref #213](#)

BOERGER, H., M. MACKINNAN and M. ALEKSIUK. 1984

Use of Toxicity Tests in Studies of Oil Sands Tailings Water Detoxification. Proceedings of Eleventh Annual Toxicity Workshop, Vancouver, B.C. [Ref #31](#)

BLAND, R.G., C.Y. CHANG and G.W. BETTGE. 1987

Toxicity of Drilling Fluids using Photobacteria and Mysid Shrimp Bioassays, SPE 16689. Prepared for presentation at the 62nd Annual Technical Conference and Exhibition of the Society of Petroleum Engineers, Sept. 27-30, 1987, Dallas, TX. [Ref #204](#)

BLAISE, C., GAGNE, F., CHEVRE, N., HARWOOD, M., LEE, K., LAPPALAINEN, J., CHIAL, B., PERSOONE, G., DOE, K. 2004

Toxicity Assessment of Oil Contaminated Freshwater Sediments. *Environ Toxicol* **19**: 267-273. [Ref #592](#)

CHAPMAN, P.M., E.A. POWER, R.N. DEXTER and H.B. ANDERSEN. 1991

Evaluation of Effects Associated with an Oil Platform, Using the Sediment Quality Triad. *Environmental Toxicology and Chemistry*, **10**: 407-424. [Ref #282](#)

DELISTRATY, D. 1984

Bioluminescent Toxicity Assay of Synfuel By-product Waters. *Bull. Environ. Contam. Toxicol.*, **32**: 613-620. [Ref #7](#)

DORN, P.B., J.C. RAIA, S.H. EVANS, R.A. BALDERAS and E.Y. CHAI. 1990

Rapid Methods for Predicting Compliance to Drilling Mud Toxicity Tests with Mysids for Offshore NPDES General Permits. *Environ. Auditor*, **1(4)**: 221-227. [Ref #245](#)

DORN, P.B., VIPOND, T.E., SALANITRO, J.P., WISNIEWSKI, H.L. 1998

Assessment of the Acute Toxicity of Crude Oils in Soils Using Earthworms, Microtox, and Plants. *Chemosphere*. **37**: 845-860. [Ref #612](#)

ENERGY RESOURCES CONSERVATION BOARD. 1993

Drilling Waste Management Technical Document. ERCB, 640 Fifth Avenue S.W., Calgary, Alberta, March 1993. [Ref #183](#)

HALMO, G. and I. HAGEN. 1985

Toxicity Testing of Drilling Fluids Measured by the Beckman Microtox Method. Presented at Norwegian Drilling Fluids Conference, Trondheim, Norway. [Ref #52](#)

HENDERSON, S.B.; GRIGSON, S.J.W.; JOHNSON, P.; RODDIE, B.D. 1999

Potential impact of production chemicals on the toxicity of produced water discharges from North Sea oil platforms. *Marin Poll. Bull.*, **38**: 1141-1151.

JOHNSEN, S. and A.TH. SMITH. 1994

Identification of Acute Toxicity in Produced Water. Statoil Research and Development. [Ref #379](#)

JOHNSEN, S., A.TH. SMITH, J. BRENDEHAUG, H. RIKSHEIM and A.L. GJØSE. 1994

Identification of Sources of Acute Toxicity in Produced Water. Society of Petroleum Engineers, SPE 27138. [Ref #170](#)

JONES, J.P., I.C. MCCLYMONT and A. ZAIDI. 1985

The Use of Microtox to Evaluate the Effectiveness of Physical-Chemical Treatment of Water from In-Situ Heavy Oil Production. Presented at the Second International Symposium on Toxicity Testing Using Bacteria, Banff, Alberta. [Ref #37](#)

JONES, M., D. HAVIS, M. CHURAN, C.S. HACKER and J. HULSE. 1986

Comparative Ecotoxicology of Diesel and Mineral Oils used in Drilling Fluids to Estuarine Mysid Shrimp and Bacteria. Presented at the Seventh Annual Meeting of the Society of Environmental Toxicology and Chemistry, Nov. 5, 1986, Alexandria, VA [Ref #101](#)

KARR, L.A. 1985

The Physical, Chemical and Toxicological Properties of Navy Oily Sludge. Naval Civil Engineering Lab, Port Hueneme, Calif. Report N-1739. [Ref #67](#)

LAI, JUNE W.S., L.J. PINTO, E. KIEHLMANN, L.I. BENDELL-YOUNG, and M.M. MOORE. 1996

Factors that Affect the Degradation of Naphthenic Acids in Oil Sands Wastewater by Indigenous Microbial Communities. *Environmental Toxicology and Chemistry*. **15(9)**: 1482-1491. [Ref #511](#)

LEE, K., WOHLGESCHAFFEN, G., TREMBLAY, G.H., JOHNSON, B.T., SERGY, G.A., PRINCE, R.C., GUENETTE, C.C., OWENS, E.H. 2003

Toxicity Evaluation with the Microtox Test to Assess the Impact of In Situ Oiled Shoreline Treatment Options: Natural Attenuation and Sediment Relocation. *Spill Science & Technology Bulletin*. **8**: 273-284. [Ref #626](#)

LIN, Q., MENDELSSOHN, I.A., SUIDAN, M.T., LEE, K., VENOSA, A.D. 2002

The Dose-response Relationship Between No. 2 Fuel Oil and the Growth of the Salt Marsh Grass, *Spartina alterniflora*. *Marine Pollution Bulletin*. **44**: 897-902 [Ref #611](#)

MACKINNON, M.D. and J.T. RETALLACK. 1982

Preliminary Characterization and Detoxification of Tailings Pond Water at the Syncrude Canada Ltd. Oil Sands Plant, p.185-210. In P.J. Rand (ed.), Landmark Water Issues Related to Energy Development. Ann Arbor Science, Ann Arbor, MI. [Ref #43](#)

MCTERNAN, W.F., D.J. KOCORNIK and E.O. PEDRAM. 1983

Physical-Chemical Approaches for the Environmentally Sound Disposal of an Oil Shale Retort Water. *Liquid Fuels Tech.*, **1**: 335-354. [Ref #45](#)

MCTERNAN, W.F., W.E. BLANTON, G.D. BOARDMAN, B.T. NOLAN and D.J. KOCORNIK. 1986

Polymer Flotation and Activated Carbon Absorption Treatment for in situ tar Sand Process Water. *Environ. Prog.*, **5**: 154-158. [Ref #46](#)

MCTERNAN, W.F., P.H. KING and W.E. BLANTON. 1987

Removal of Toxic Materials from in situ tar Sand Process Water. *J. Energy Eng.*, **113**: 79-91. [Ref #126](#)

PEAKE, E. and A. MACLEAN. 1982

The Toxicity of Waters Produced During in-situ Recovery of Oil from the Athabasca Oil Sands as Determined by the Microtox Bacterial System. Presented at the Ninth-Annual Toxicity Workshop, Nov. 2-5, 1982, Edmonton, Alberta. [Ref #16](#)

PELLETIER, E., DELILLE, D., DELILLE, B. 2004

Crude Oil Bioremediation in Sub-Antarctic Intertidal Sediments: Chemistry and Toxicity of Oiled Residues. *Marine Environ Research*. **57 (4)**: 311-327. [Ref #625](#)

PLAZA, G., NALECZ-JAWECKI, G., ULFIG, K., BRIGMON, R.A. 2005

The Application of Bioassays as Indicators of Petroleum-contaminated Soil Remediation. *Chemosphere*. **59**: 289-296. [Ref #597](#)

QURESHI, A.A. 1994

Use of Microtox for Toxicity Assessment According to Alberta's Drilling Waste Management Guidelines. Presented at the 15th Annual Meeting of Society of Environmental Toxicology and Chemistry (SETAC) Oct. 30-Nov. 3, 1994, Denver, CO. [Ref #436](#)

RIBO, J.M., A. ZAIDI and J. CAREY. 1989

Characterization of Produced Water Samples from in-situ Oil Recovery Operations. *AOSTRS J. Res.* [Ref #193](#)

HERRY, JAMES, BRIAN SCOTT and BERNARD DUTKA. 1997

Use of Various Acute, Sublethal and Early Life-State Tests to Evaluate the Toxicity of Refinery Effluents. *Environmental Toxicology and Chemistry*, **16(11)**: 2249-2257. [Ref #549](#)

STAGG, R., D.J. GORE, G.F. WHALE, M.F. KIRBY, M. BLACKBURN, S. BLACKBURN, S. BIFIELD, A.D. MCINTOSH, I. VANCE, S.A. FLYNN AND A. FOSTER. 1996

Field Evaluation of Toxic Effects and Dispersion of Produced Water Discharges from North Sea Oil Platforms: Implications for Monitoring Acute Impacts in the Environment. Paper presented at the International Symposium on Produced Water in Trondheim, September, 1995. [Ref #516](#)

WHALE, G.F. 1994

Potential Applications of the Microtox Toxicity Test Within the Offshore Oil and Gas Industry. Presented at the Second International Conference on Health, Safety & Environment in Oil & Gas Exploration & Production, Jakarta, Indonesia, January 25-27, 1994. *SPE* **27176**: 687-698. [Ref #411](#)

WHALE, G.F. and T.S. WHITHAM. 1991

Methods for Assessing Pipeline Corrosion Prevention Chemicals on the Basis of Antimicrobial Performance and Acute Toxicity to Marine Organisms. Presented at the First International Conference on Health, Safety and Environment, The Hague, The Netherlands, Nov. 10-14, 1991. [Ref #402](#)

WHALE, G.F., F.M. FAIRHURST and A.E. GIRLING. 1993

Aquatic Toxicity Tests for Selecting Chemicals for Use Offshore, p.99-117. In A.M.V.M. Soares and P. Calow (ed.), Progress in Standardization of Aquatic Toxicity Tests, 1st ed. Lewis, Boca Raton, FL.

[Ref #403](#)

WHALE, G., F.M. JARRETT and V. BASHFORD. 1993

Assessment of the Suitability of the Photobacterium phosphoreum (Microtox®) Test to Provide Marine Toxicity Data for Offshore Chemical Control Schemes, p.251-260. In Richardson(ed.), Ecotoxicology Monitoring. VCH Publishers. [Ref #404](#)

XU., Y., LU, M. 2010

Bioremediation of Crude Oil-Contaminated Soil: Comparison of Different Biostimulation and Bioaugmentation Treatments. J. of Hazardous Materials. 183: 395-401. [Ref #639](#)

POTW

DURKIN, P.F, C.H. OTT, D.S. POTHE and G.M. SZAL. 1987

The Use of the Microtox Bioassay System to Trace Toxic Pollutants Back to Their Source in Municipal Sewerage Systems. *New England J. Water Poll. Control Fed.*, **21**: 3-19. [Ref #103](#)

EPA REGION 10. 1988

Pretreatment Update Published by US EPA Region X. Water Division 134. [Ref #182](#)

FEARNSIDE, D. 1991

Standardisation of the Repiration (sic) Inhibition of Activated Sludge Assay for Use with Sewages and Trade Effluents. Appl. Report from Toxicity/Treatability Laboratory, Knostrop Sewage Treatment Works, Leeds, U.K. [Ref #326-91](#)

FEARNSIDE, D. and P.D. HILEY. 1991

The Use of Toxicity Testing Methods to Identify and Trace Treatability Problems on Sewage Treatment Works. Report by Yorkshire Water Services, Ltd, West Yorkshire, U.K. [Ref #311](#)

GAIEK, R.L. and A.I. COLE. 1993

Influent Toxicity Testing at Wastewater Treatment Plants. Presented at WEF, October 3-7, 1993, Anaheim, California. [Ref #169](#)

HILEY, P.D. and D. FEARNISIDE. 1991

The Use of Multiple-Test Toxicity Assays to Improve Sewage Treatment Performance. Applications Report from Biological Sciences, Yorkshire Water Services Ltd, Knostrop Sewage Treatment Works, Leeds, U.K. [Ref #327](#)

HROMADA, T., G. FUJITA, P. WADEHRA, R. CRUZ, J. BENSON, M. MAKAR and L. PRYBYS. 1992

Optimization of Disinfection Using Sodium Bromide-Chlorine, Detroit Water & Sewerage Dept. [Ref #390](#)

HURLEY, WILLIAM J., P.E. 1996

Hands On Toxicological Investigation from Contributing Sources by Analytical Laboratory and Microtox® Evaluation. Toxicological Investigation, presented at the Central States WEA, May 22, 1996. [Ref #505](#)

KENNEDY, K.J.; DROSTE, R.L.; FERNANDES, L.; GRAHAM, B.; NARBAITZ, R. 2000

Microtox and Ceriodaphnia dubia toxicity of BKME with powdered activated carbon treatment. *Water S.A. (Pretoria)*, **26**: 205-216

KURZ, G.E., N. LESLIE, and R.J. HENDERSON. 1984

A Rapid Industrial Waste Screening Method. Presented at the 39th Annual Industrial Waste Conference, West Lafayette, IN. [Ref #44](#)

LANGE, D. and M. WILLIAMS. 1989

Evaluation of a New Bioassay Internal Report Prepared by Dallas Water Utilities Central Laboratories Division. [Ref #184](#)

MCGRATH, M.J. 1988

An Assessment of the Microtox Toxicity Analyzer as a Screening Test for Activated Sludge Wastewater Treatment Plant Influent. Master's Thesis, Univ. Mass. [Ref #151](#)

PALDING, T.S., L.L. MELISIZWE and B. DONG. 1992

Strategic Manhole Monitoring: Enhancements to Supplement Industrial User Monitoring in Assessing Headworks Wasteload Contributions. Water Environmental Federation 65th Annual Conference & Exposition, Sept. 20-24, 1992, New Orleans, LA. [Ref #364](#)

PIPES, WESLEY O. and JAMES T. ZMUDA. 1996

Assessing the Efficiency of Wastewater Treatment. *Water Microbiology in Public Health*, 07:24:12, 04/04/96. [Ref #507](#)

ROBINSON, R.J. 1988

Assessment of Methods for Evaluating the Treatability of Sewage and the Effects of Industrial Discharges. *Toxic. Assess.*, **3**: 17-31. [Ref #123](#)

ROWLEN, F.C., P. GAUGHAN and J. BRADSHAW. 1983

Application of the Microtox Luminescent Bacterial Bioassay System as a Biological Toxicity Screening Tool as Defined in the EPA Draft Statement "Policy for the Development of Water-Quality Based Permit Limitations for Toxic Pollutants." Encina Water Pollution Control Facility, Carlsbad, CA. [Ref #21](#)

SCHNEIDER, C.G. 1987

Screening Wastewater for Toxicity to Activated Sludge. Ph.D. Thesis, Vanderbilt Univ., Dept. of Environ. Eng. [Ref #70](#)

SLATTERY, G.H. 1984

Plant Operations at the Patapsco Waste Water Treatment Plant. Presented at the Chesapeake Water Pollution Control Association. [Ref #22](#)

SLATTERY, G.H. 1984

Effects of Toxic Influent on Patapsco Waste Water Treatment Plant Operations. Annual Conference of the Water Pollution Control Federation, Oct. 1-4, 1984, New Orleans, LA. [Ref #133](#)

SLATTERY, G.H. and J. MARTIN. 1987

Aquatic Toxicity Testing for Hazardous Material. Presented at WPCF Specialty Conference Analytical Techniques and Residuals Management in Water Pollution Control, June 1-2, 1987, Los Angeles, CA.

TABASAKI, M.; SHISHIDA, K.; et. al. 2000

Evaluation of advanced sewage treatment processes for reuse of wastewater bioassays. *Environmental Technology*, **21**: 553-560

ZHANG, Q., HONG, F., AND S. PEHKONEN. 1996

Use of Microtox to Measure Toxicity in Wastewater at a Wastewater Treatment Facility. Dept. of Civil and Environmental Engineering, University of Cincinnati, Cincinnati, OH. 1996. 12-27 - 12-35. [Ref #563](#)

PULP & PAPER

BASTA, JIRI, G. WANE, S. HERSTAD-SVARD, P. LUNDGREN, N. JOHANSSON, L. EDWARDS and Y. GU. 1998.

Partial Closure in Modern Bleaching Sequences. *TAPPI Journal*, 1998, 136-140. [Ref #562](#)

BLAISE, C., R. VAN COILLIE, N. BERMINGHAM and G. COULOMBE. 1987

Comparison of the Toxic Responses of Three Bioindicators (Bacteria, Algae and Fish) to Pulp and Paper Industry Effluent. *Intl. Sci. l'eau*, **3**: 9-17. [Ref #75](#)

CARON, R.J. and D.W. REEVE. 1991

Environmental Photolysis of Chlorinated Organic Matter Discharged in Kraft Pulp Bleaching Effluents. Proceedings, Quebec City, Canadian Pulp & Paper Association 1991. [Ref #325](#)

CHARLET, P. 1991

Environmental Fate and Effects of Bleached Pulp Mill Effluents. An Examination of the Relationship Between AOX, EOX and Acute and Chronic Toxicity. Presented at the International Conference on Environmental Fate & Effects of Bleached Pulp Mill Effluents, Stockholm. [Ref #323](#)

EKLUND, BRITTA; BENGTSSON, BENGT-ERIK; LIND, MARGARETS; TARKPEA, MARIA. 1999

Toxicity of conventional, elemental chlorine free, and totally chlorine-free Kraft-pulp bleaching effluents assessed by short-term lethal and sublethal bioassays. *Environmental Toxicology and Chemistry*. **18**: 2487-2496.

FEIN, J.E. 1993

Aerobic Treatment of a Fine Paper Mill Effluent by the Acticontact Process. 1993 Environmental Conference Tappi Proceedings, 523-537. [Ref #376](#)

FIRTH, B.K. and C.J. BACKMAN. 1990

A Comparison of Microtox Testing with Rainbow Trout Acute and Ceriodaphnia Chronic Bioassays Using Pulp and Paper Mill Wastewaters. 1990 Environmental Conference, April 9-10, 1990. [Ref #227](#)

GIFFORD, J.S. 1991

An Evaluation of the Toxicity of Effluents from New Zealand Pulp and Paper Mills. Environmental Research Group, Feb. 4-7, 1991, Melbourne, Australia. [Ref #315](#)

HYDROQUAL LABORATORIES LTD. 1992

Toxicity of Aspen Wood Leachate to Aquatic Life. Prepared for Environmental Protection Branch, Northern Interior Reibion. B.C. Ministry of Environment. [Ref #374](#)

IERKA, R.A. and C.W. BRYANT. 1993

Enhancement of Biotreatment Effluent Quality by Illuminated Titanium Dioxide and Membrane Pretreatment of the Kraft Extraction Waste Stream and by Increased Chlorine Dioxide Substitution. Presented at the 4th IAWQ Symposium on Forest Industry Wastewaters, June 8-11, 1993, Tampere, Finland. [Ref #397](#)

LAVALLEE, H.C., L. ROUISSE and R. PARADIS. 1992

A Comprehensive Study of the Quebec Pulp and Paper Mill Effluents as an Instrument to Define a Strategy for Abatement. *Pulp Paper Can.* **94(11)**:T393-399. Paper presented at the 78th Annual Meeting of the Technical Section, CPPA, Jan. 28-31, 1992, Montreal. [Ref #398](#)

MILANOVA, ETELA, SYLVIA WOOD AND B. BRUCE SITHOLÉ. 1997

Toxicity of Newsprint Dyes to Rainbow Trout and Activated Sludge. *TAPPI Journal*, **80(5)**, May 1997, 113-118. [Ref #529](#)

NICELL, JAMES A.; WAGNER, MONIKA. 2001

Treatment of a foul condensate from Kraft pulping with horseradish peroxidate and hydrogen peroxide. *Water Research*. **35**: 485-495.

OANH, K., N. THI, B-E. BENGTSSON. 1994

Toxicity to Microtox, Micro-Algae and Duckweed of Effluents from a Vietnamese Bleached Kraft Pulp and Paper Mill. ITM Institute of Applied Environmental Research, Report 26. [Ref #450](#)

PAICE, M.G., A. ELLIOTT, F. YOUNG, J.G. DORICA. 1996

Activated Sludge Treatment of Mechanical Pulp Mill Effluents Containing Sulphite. *Pulp & Paper Canada*, **97(9)**: 88-93. [Ref #514](#)

Pandey A, Panwar S, Mishra S, Siddiqui NA 2012

Comparison of Fish Toxicity & Microtox Toxicity of Luminescent Bacteria Due to Bleach Plant Effluent Released from Agro & Wood Based Pulp and Paper Mills. *J Environment Analytic Toxicol* 2:119. doi:10.4172/2161-0525.1000119

PASSARINI, FABRIZO; et. al. 2000

Evaluation of fungal capacity for detoxification of extractives in Scots pine sapwood. *Environmental Technology*. **21**: 569-575

ROY-ARCAND, L., F.S. ARCHIBALD and F. BRIERE. 1991

Comparison and Combination of Ozone and Fungal Treatments of a Kraft Bleachery Effluent. *TAPPI Journal*, **74(9)**: 211-218. [Ref #301](#)

SENIOR, D.J. and J. HAMILTON. 1991

Use of Xylanases for the Reduction of AOX in Kraft Pulp Bleaching. Proceedings, 1991 Environmental Conference, p. 63-67, Quebec City, Quebec. [Ref #317](#)

SIERRA-ALVAREZ, REYES; VANBEEK, TERIS A.; et. al. 2000

Degradation and detoxification of softwood extractives by sapstain fungi. *Bioresource Technology*. **71**: 13-20.

STAUBER, JENNIFER L., L. GUNTHORPE, J.G. DEAVIN, B.L. MUNDAY and M. AHSANULLAH. 1994

Application of new marine bioassays for assessing toxicity of bleached eucalypt kraft mill effluents. *Appita*, **47(6)**: 472-476. [Ref #463](#)

TREVORS, JACK T.; LEE, HUNG; LIU, DICKSON; et. al. 2000

Bioremediation in field box plots of a soil contaminated with wood preservatives: A comparison of treatment conditions using toxicity testing as a monitoring technique. *Water, Air and Soil Pollution*, **121**: 173-180

HAKORE, A., G. COLLINS and D.W. SMILEY. 1987

Toxicity and its Behavior on Pulp Fibres. Presented at Canadian Pulp and Paper Association Technical Conference, May 14-16, 1987. [Ref #85](#)

URBANTAS, R.G. 1987

Toxicity Analysis of Pine Falls and Iroquois Falls Spent Sulfite Liquor Ultrafiltration Samples. Research Report N506, Abitibi-Price, Inc. Research Centre, Sheridan Park, Mississauga, Ontario, Canada. [Ref #84](#)

REGULATORY/EFFLUENT

ANDERSON, S.L., W.S. PEASE, M.P. CARLIN and T.E. MUMLEY. 1987

Proposed Guidelines-San Francisco Bay Regional Water Quality Control Board. Effluent Toxicity Characterization Program. San Francisco Regional Water Quality Control Board. Final Draft, July 17, 1987. [Ref #104](#)

BENGTSSON, B.E., I. BJORKLUND and C. WAHLBERG. 1988

Effluents from the Chemical Industry Programme for Characterization of Persistence and Effects (The STORK Project) Version 1. Guidance Document from the Swedish National Environ. Protection Board. [Ref #178](#)

BLAISE, C., G. SERGY, P. WELLS, N. BERMINGHAM and R. VAN COILLIE. 1988
Biological Testing-Development, Application, and Trends in Canadian Environmental Protection Laboratories. *Toxicity Assess.*, **3**: 385-406. [Ref #147](#)

BRANDES, R. and B. NEWTON. 1985
Technical Support Document for Water Quality-Based Toxics Control. U.S. EPA, Office of Water, Washington, D.C. [Ref #41](#)

DEUTSCHE NORM GERMAN STANDARDS (DIN- NORMEN) 1992.
German standard methods for the examination of water, waste water and sludge: Bio-assays (group L), Determination of the inhibitory effect of waste water on the light emission of Photobacterium phosphoreum (test using preserved luminescent bacteria) (L34). May, 1992. [Ref #96](#)

DORN, P.B. and J.H. RODGER, JR. 1989
Variability Associated with Identification of Toxics in National Pollutant Discharge Elimination System (NPDES) Effluent Toxicity Tests. *Environmental Toxicology and Chemistry*, **8**: 893-902. [Ref #254](#)

ESPINA DE LA O, E., G.L. M., and I. CASTILLO ESCALANTE. 1994
A Simplified Procedure for Setting Effluent Quality Standards. **Poster P-WQM37**. Presented at the 17th IAWQ Biennial International Conference, Budapest, Hungary, 24-29, July 1994. [Ref #454](#)

HENEGBRY, M.S. and JONES, S.E. 1990
Use of Microtox to Assess Effluent Toxicity. Illinois Environmental Protection Agency, Springfield, IL. [Ref #217](#)

HINWOOD, A.L., M.J. MCCORMICK and R.J. MCCORMICK. 1988
Evaluation of the Microtox Technique for Assessment of Toxicity in Waters and Wastewaters. Prepared for Environ. Protection Authority of Victoria. [Ref #161](#)

HUNT, D.T.E., I. JOHNSON and R. MILNE. 1992
The Control and Monitoring of Discharges by Biological Techniques. *J. Instit. Water Environ. Mgmt.*, 269-277. [Ref #344](#)

ILLINOIS EPA. 1989
Office of Ecotoxicology. 1988 Annual Report, EPA/ENV/89-091. [Ref #225](#)

LAU-WONG, M.M. 1989
Acute Toxicity Testing Using the Microtox Bioassay Report No. EPD/TP 23/88, Environ. Protect. Dept., Hong Kong Gov't. [Ref #199](#)

QUEBEC STANDARDS BOARD. 1988
Water: Determination of Toxicity Using the Luminescent Bacterium Photobacterium phosphoreum. Government of Quebec, Dept. of Industry and Commerce. [Ref #156](#)

ROOP, R.D. and C.T. HUNSAKER. 1985
Biomonitoring for Toxics Control in NPDES Permitting. *J. WPCF*, **57**: 271-277. [Ref #60](#)

SPRAGUE, J.B. and D.J. MCLEAY. 1992.
Biological Test Method: Toxicity Test Using Luminescent Bacteria (Photobacterium phosphoreum). Environmental Protection Conservation and Protection Environment Canada, Report EPS 1/RM/24, October 1992. [Ref #195](#)

SWEDISH ENVIRONMENTAL PROTECTION AGENCY. 1990
Biological - Chemical Characterisation of Industrial Waste Water. Swedish Environmental Protection Agency (Naturvardsverket) Information Department, S-171 85 Solna, Sweden. Document # ISBN 91-620-1071-9. [Ref #249](#)

ENVIRONMENTAL PROTECTION AGENCY. 1987

Permit Writer's Guide to Water Quality-Based Permitting for Toxic Pollutants. U.S. EPA, Office of Water, Washington, D.C. EPA 440/4-87-005, July 1987. [Ref #105](#)

WASHINGTON STATE DEPT. OF ECOLOGY. 1988

Interim Policy and Guidelines for Biomonitoring and Toxicity Control of Point Source Discharges. Point Source Section, Water Quality Program. [Ref #144](#)

WILLEMSEN, A., M.A. VAAL, D. DE ZWART. 1995

Microbiotests as Tools for Environmental Monitoring. Rijksinstituut Voor Volksgezondheid en Milieuhygiene Bilthoven, Rapportnummer: **607042005**, January 1995.

REGULATORY/HAZARDOUS WASTE

LINDER, G., E. INGHAM, C.J. BRANDT and G. HENDERSON. 1992

Solid-phase and Aqueous-phase Microtox. Ecological Techniques for the Assessment of Terrestrial Superfund Sites, p.TA3.6-1-TA3.6-3. U.S. EPA. ERL - Corvallis, OR. [Ref #406](#)

ROSENKRANZ, H.S., J. PANGREKAR and G. KLOPMAN. 1993

Similarities in the Mechanisms of Antibacterial Activity (Microtox Assay) and Toxicity to Vertebrates. *ATLA*, **21(4)**: 489-500. [Ref #407](#)

SIMINI, M., R.S. WENTSEL, R.T. CHECKAI, C.T. PHILLIPS, N.A. CHESTER, M.A. MAJOR, and J.C. AMOS. 1994

Evaluation of Soil Toxicity at Joliet Army Ammunition Plant. *Environmental Toxicology and Chemistry*, **14(4)**: 623-630. [Ref #441](#)

U.S. ENVIRONMENTAL PROTECTION AGENCY. 1986

Permit Guidance Manual on Hazardous Waste Land Treatment Demonstrations. Prepared for the Office of Solid Waste, U.S. EPA, Washington, D.C. EPA 530-SW-86-015. [Ref #32](#)

U.S. ENVIRONMENTAL PROTECTION AGENCY. 1987

Waste-Soil Treatability Studies for Four Complex Industrial Wastes: Methodologies and Results, Vol. 1 and 2. EPA/600/S6-86/003. [Ref #248](#)

U.S. ENVIRONMENTAL PROTECTION AGENCY. 1989

Ecological Assessment of Hazardous Waste Sites, EPA-600/3-89/-13, March 1989. Environmental Research Laboratory, Corvallis, OR. [Ref #216](#)

U.S. ENVIRONMENTAL PROTECTION AGENCY. 1990

Region IV Standard Operating Procedure for Toxicity Testing Hazardous Waste Assessments. [Ref #336](#)

REGULATORY/TOXICITY REDUCTION EVALUATION

BOTTS, J.A., J.W. BRASWELL, J. ZYMAN, W.L. GOODFELLOW and S.B. MOORE. 1989

Toxicity Reduction Evaluation Protocol for Municipal Wastewater Treatment Plants. U.S. EPA/600/2-88/062. [Ref #186](#)

FAVA, J.A., D. LINDSAY, W.H. CLEMENT, R. CLARK, G.M. DEGRAEVE, J.D. COONEY, S. HANSEN, W. RUE, S. MOORE, P. LANKFORD and K. DOSTAL. 1989

Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations (TREs). EPA/600/2-88/070. [Ref #212](#)

RESEARCH & DEVELOPMENT

ANKLEY, G.T., G.S. PETERSON, J.R. AMATO and J.J. JENSON. 1990

Evaluation of Sucrose as an Alternative to Sodium Chloride in the Microtox Assay: Comparison to Fish and Cladoceran Tests with Freshwater Effluents. *Environmental Toxicology and Chemistry*, **9**: 1305-1310. [Ref #210](#)

ARFSTEN, D.P., R. DAVENPORT, and D.J. SCHAEFFER. 1994
UV-A Coexposure Enhances the Toxicity of Aromatic Hydrocarbons, Munitions, and Metals to Photobacterium phosphoreum. *Biomedical and Environmental Sciences*, **7**: 101-108. [Ref #442](#)

ARFSTEN, D.P., R. DAVENPORT, and D.J. SCHAEFFER. 1994
Reversion of Bioluminescent Bacteria (Mutatox®) to their Luminescent State upon Exposure to Organic Compounds, Munitions, and Metal Salts. *Biomedical and Environmental Sciences*, **7**: 144-149. [Ref #472](#)

ARGESE, EMANUELE; AGNOLI, FRANCESCA; BETTITOL, CINZIA; et. al. 2001
Assessment of chloroaniline toxicity by the submitochondrial particle assay. *Environmental Toxicology and Chemistry*. **20**: 826-832.

ATKINSON, D.S. and M.S. SWITZENBAUM. 1986
Microtox Assessment of Anaerobic Bacterial Toxicity. Active Compounds, p39-78. In D.L. Wise (ed.), Presented at the International Conference on Innovative Biological Treatment of Toxic Wastewater, June 26, 1986, Arlington, VA. [Ref #54](#)

BARTON, A.P. and A. DELHAIZE. 1986
The Application of Luminescent Bacteria for Monitoring the Toxicity of a Biocide-Inhibitor. *Toxicity Assess.*, **1**: 201-209. [Ref #36](#)

BECERRO, M.A., M.J. URIZ and X. TURON. 1995
Measuring Toxicity in Marine Environments: Critical Appraisal of Three Commonly Used Methods. Birkhäuser Verlag Basel, *Experientia.*, **40**(10): 414-418. [Ref #480](#)

BIGGS, LARA NANJI. 1996.
An Investigation of Hormesis using the Microtox® Assay. Submitted to Graduate College of the University of Illinois at Urbana-Champaign, 1996. [Ref #506](#)

BLAISE, C., R. FORGHANI, R. LEGAULT, J. GUZZO, M.S. DUBOW. 1994
A Bacterial Toxicity Assay Performed with Microplates, Microluminometry and Microtox® Reagent. *Biotechniques*, **16**(5): 45-52. [Ref #458](#)

BLUM, D.J.W. and R.E. SPEECH. 1990
Quantitative Structure-Activity Relationships for Chemical Toxicity to Environmental Bacteria. *Ecotoxicol. Environ. Safety*, **22**: 198-224. [Ref #320](#)

BUNDY, K.J.; SHETTLEMORE, M.G. 2000
Examination of in vivo influences on bioluminescent microbial assessment of corrosion product toxicity. *Biomaterials*, **22**: 2215-2228.

CARLSON-EKVALL, C.E. ANNIKA, G.M. MORRISON. 1995
Contact Toxicity of Metals in Sewage Sludge: Evaluation of Alternatives to Sodium Chloride in the Microtox® Assay. *Environmental Toxicology and Chemistry*, **14**(1): 17-22. [Ref #438](#)

CHOU, CHIN C., S. S. QUE HEE. 1994
Bioassay-driven Analysis of Chewing Tobacco Extracts. *Environmental Toxicology and Chemistry*, **13**(7): 1177-1186. [Ref #462](#)

COOK, ROBERT S.; CARMICHAEL, LISA; CMAR, CHRISTOPHER G; et. al. 2000

Assessing the feasibility of an in vitro cytotoxicity method to detect harmful ubiquitous chemicals (detection of non-warfare hazardous chemicals in the operational theater). *Drug and Chemical Tox. and Intl. Journ. for Rapid Communication*, **23**: 95-111.

CUNNINGHAM, V.L., M.S. MORGAN and R.E. HANNAH. 1985

Effect of Natural Dissolved Organic Carbon on the Toxicity of Chemicals to Aquatic Micro-organisms. Proceedings of the Ninth Annual Symposium on Aquatic Toxicology. ASTM, STP 921, Philadelphia, PA.

[Ref #30](#)

DANILOV, V.S., A.D. ISMAILOV and N.A. BARANOVA. 1985

The Inhibition of bacterial Bioluminescence by Xenobiotics. *Xenobiotics*, **15**: 271-276.

[Ref #146](#)

DANILOV, V.S. and A.D. ISMAILOV. 1989

Bacterial Luciferase as a Biosensor of Biologically Applied Biosensors. Butterworths, Boston, MA.

[Ref #173](#)

DAWSON, D.A., JEYARANTNAM, J., MOONEYHAM, T., POCH, G., SCHULTZ, T.W. 2010

Mixture Toxicity of SN2-Reactive Soft Electrophiles: 1. Evaluation of Mixtures Containing α -Halogenated Acetonitriles. *Arch Environ Contam Toxicol* 59: 532-541.

[Ref #637](#)

FLORENCE, T.M., G.M. MORRISON and J.L. STAUBER. 1992

Determination of Trace Element Speciation and the Role of Speciation in Aquatic Toxicity. *Sci. Total Environ.*, **125**: 1-13.

[Ref #389](#)

GHOSH, S.K., and P.B. DOCTOR. 1992

Toxicity Screening of Phenol Using Microtox. *Environmental Toxicology and Water Quality*, **7**: 157-163.

[Ref #324](#)

GOVERS, H., C. RUEPERT, T. STEVENS and C.J. VON LEEUWEN. 1986

Experimental Determination and Prediction of Partition Coefficients of Thiaureas and their Toxicity to Photobacterium Phosphoreum. *Chemosphere*, **15**: 383-393.

[Ref #57](#)

HALFON, E and M.G. REGGIANI. 1986

On Ranking Chemicals for Environmental Hazard. *Environmental Science and Technology*,

20: 1173-1179. [Ref #107](#)

HAWTHORNE, STEVEN B.; KALDERIS, DIMITRIOS; et. al. 2000

Pilot-scale destruction of TNT, RDX, and HMX on contaminated soils using subcritical water.

Environmental Science and Technology, **34**: 3224-3228

HICKEY, C.W., C. BLAISE and G. COSTAN. 1991

Microtesting Appraisal of ATP and Cell Recovery Toxicity End Points After Acute Exposure of *Selenastrum capricornutum* to Selected Chemicals. *Environmental Toxicology Water Quality*,

6: 383-403. [Ref #309](#)

HINWOOD, A.L. and M.L. MCCORMICK. 1987

The Effect of Ionic Solutes on EC50 Values Measured Using the Microtox Test. *Toxicity Assess.*, **2**: 449-461. [Ref #87](#)

JOHNSON, B. THOMAS. 1998

Microtox® Toxicity Test System -- New Developments and Applications, p. 201-218. In P. Wells, K. Lee and C. Blaise (ed.), *Microscale testing in aquatic toxicology: advances, techniques, and practice*.

CRC Press LLC, Boston, MA. [Ref #556](#)

JUNGBLUT, VON H.-D, R. HARTMANN, J. HEIL, H.-D KREIL, A. WAGNER, B. SCHMIDT, R.K.ZAHN. 1988

Verbesserung der Reproduzierbarkeit des Leuchtakterien-toxizitätstests durch Zugabe von externem Aldehyd, (in German) [Ref #337](#)

- KAMLET, M.J., R.M. DOHERTY, G.D. VEITH, R.W. TAFT and M.H. ABRAHAM. 1986**
Solubility Properties in Polymers and Biological Media. 7. An Analysis of Toxicant Properties that Influence Inhibition of Bioluminescence in Photobacterium Phosphoreum (the Microtox test.) *Environmental Science and Technology*, **20**: 690-695. [Ref #56](#)
- KENNEDY, K.J.; LENTZ, E.M. 2000**
Treatment of landfill leachate using sequencing batch and continuous flow anaerobic sludge blanket (UASB) reactors. *Water Research*, **34**: 3640-3656.
- KREBS, F. 1988**
Der pT-West, ein gewassertoxikologischer Klassifizierungsmabstab. (The pT-Value as a Classification Index in Aquatic Toxicology, in German). *GIT Fachzeitschrift fur das Laboratorium (Darmstadt)*, **32**: 293-296. [Ref #131](#)
- KREBS, F. 1992**
Gewässeruntersuchung mit dem Durch Alkalil- und Erdalkalitionen-Zugabe Optimierten DIN-Leuchtbakterientest, Dargestellt am Beispiel der Saar (River Water Analysis with the Luminescent Bacteria Test According to Dr. F. Krebs). [Ref #388](#)
- MANTEL, J., M. FREIDIN, A.A. BULICH and H. PERRY. 1983**
The Effect of Radiation on Bioluminescent Bacteria: Possible use of Luminescent Bacteria as a Biological Dosimeter. *Phys. Med. Bull.*, **28**: 599-602. [Ref #74](#)
- MAZIDJI, C.N., B. KOOPMAN, G. BITTON and D. NEITA. 1992**
Distinction Between Heavy Metal and Organic Toxicity Using EDTA Chelation and Microbial Assays. *Environmental Toxicology and Water Quality*, **7**: 339-353. [Ref #368](#)
- MCCLOSKEY, JOHN T., M.C. NEWMANN and S.B. CLARK. 1996**
Predicting the Relative Toxicity of Metal Ions using Ion Characteristics: Microtox Bioluminescence Assay. *Environmental Toxicology and Chemistry*, **15(10)**: 1730-1737. [Ref #512](#)
- MCINNES, C., D. ENGEL and R.W. MARTIN. 1989**
Bacterial Luminescence: A New Tool for Investigating the Effects of Acoustic Energy and Cavitation. Submitted to *J. Acoustical Soc. Am.* [Ref #261](#)
- MOREL, J.L., G. BITTON, and B. KOOPMAN. 1988**
Use of Microtox for Assessing Copper Complexation with Organic Compounds. *Arch. Env. Contamin. Toxicity*, **17**: 493-496. [Ref #142](#)
- MUELLER, K.A. 1992**
Toxicity and Water Quality of Natural Waterbodies, Reserve Pits and Selected Sites at North Slope Alaska, Oilfields. U.S. Dept. Interior Fish Wildl. Serv. Ecological Services - Fairbanks, AK, NAES-TR-92-01 27p. [Ref #338](#)
- NEWMAN, MICHAEL C. and J.T. MCCLOSKEY. 1996**
Predicting Relative Toxicity and Interactions of Divalent Metal Ions: Microtox® Bioluminescence Assay. *Environmental Toxicology and Chemistry*, **15(3)**: 275-281. [Ref #497](#)
- NICELL, JAMES K.; IKEHATA, KERSUKE. 2000**
Color and toxicity removal following tyrosinase – catalyzed oxidation of phenols. *Biotech Progress*, **16**: 533-540
- NICELL, JAMES A.; GHIURELIOTS, MICHAEL. 1999**
Assessment of soluble products of peroxide-catalyzed polymerization of aqueous phenol. *Enzyme and Microbial Technology*. **25**: 185-193
- POREMPA, K., W. GUNKEL, S. LANG and F. WAGNER. 1990**

Toxicity Testing of Synthetic and Biogene Surfactants on Marine Microorganisms. Proceedings Second Biennial Water Quality Symposium: Microbiological Aspects. ISBN 956-19-0156-K. [Ref #267](#)

RAO, S.S. and K.K. KWAN. 1990

Method for Measuring Toxicity of Suspended Particulates in Waters. *Toxicity Assess.*, **5**: 91-101. [Ref #243](#)

RENOUX, AGNES Y.; SAMSON, REJEAN; TYAGI, RAJESHWAR D. 1999

Assessment of toxicity reduction after metal removal in bioleached sewage sludge. *Water Research*, **35**: 1415-1424.

RIBO, J.M. 1987

Influence of the Exposure Time in the Microtox Toxicity Test. Presented at the Third International Symposium on Toxicity Testing Using Microbial Systems, May 11-15, 1987, Valencia, Spain. [Ref #88](#)

RIBO, J.M., F. ROGERS. 1989

Toxicity of Mixtures of Aquatic Contaminants Using the Luminescent Bacteria Bioassay. [Ref #242](#)

RIVARD, CHRISTOPHER J., REBECCA E. ENGEL, TAMMY K. HAYWARD, NICHOLAS J. NAGLE, CHRISTOS HATZIS, and GEORGE P. PHILIPPIDIS. 1996.

Measurement of the Inhibitory Potential and for Ethanol Production. Scientific Note, Presented as Volumes 57 and 58 of Applied Biochemistry and Biotechnology proceedings of the Seventeenth Symposium on Biotechnology for Fuels and Chemicals, held May 7-11, 1995, at Vail, CO. [Ref #542](#)

RODDICK, FELECITY A.; BARRY, MICHEAL, J.; HOBDAV, MALCOLM D.; PARKINSON, ADELE. 2001

Preliminary toxicity assessment of water after treatment with UV-irradiation and UVC/H2O2. *Water Research*, **15**: 3656-3664.

RYCHERT, R., M. MORTIMER. 1991

Inhibition of Bioluminescence in a recombinant Escherichia coli. *Environmental Toxicology Water Quality*, **6**: 415-421. [Ref #307](#)

SCHAEFFER, D.J. 1991

Evaluation of the "Reference Toxicant" Addition Toxicity of Cadmium Species on Luminescent Procedure for Testing the Toxicity of Environmental Bacteria. Lecture at Fresenius J Anal Chem Samples. *Bull. Environ. Contam. Toxicol.*, **47**: 540-546. [Ref #305](#)

SCHALL, V.T., M.C. VASCONCELLOS, G.U. VALENT, M.I.Z. SATO, E.V. FURLAN and P.S. SANCHEZ. 1991

Evaluation of the Genotoxic Activity and Acute Toxicity of Euphorbia splendens Latex, A Molluscicide for the Control of Schistosomiasis. *Brazilian J. Med. Biol. Res.*, **24**: 573-582. [Ref #306](#)

SCHULTZ, T. WAYNE and MARK T.D. CRONIN. 1997

Quantitative Structure-Activity Relationships for Weak Lactuca Sativa (Buttercrunch Lettuce) and on Acid Respiratory Uncouplers to Vibrio fisheri. *Environmental Toxicology and Chemistry*. **16(2)**: 357-360. [Ref #540](#)

SHERRARD, KIM B., P. MARRIOTT, M.J. MCCORMICK and K. MILLINGTON. 1996

A Limitation of the Microtox Test for Toxicity Measurements of Nonionic Surfactants. *Environmental Toxicology and Chemistry*, **15(7)**: 1034-1037. [Ref #524](#)

TARKPEA, M. and M. HANSSON. 1989

Comparison Between Two Microtox Test Procedures. EES 18,000-000. [Ref #209](#)

TAYLOR, P.A., A.J. STEWART and L. HOLT. 1988

Toxicity of Common Salts to Three Biototoxicity Test Organisms. American Institute of Chemical Engineers National Meeting, Aug. 21-24, 1988, Denver. Martin Marietta, Oakridge, TN. [Ref #162](#)

VERHAAR, H.J.M., C.J. VAN LEEUWEN, J. BOL, and J.L.M. HERMENS. 1993

Application of QSARs in Risk Management of Existing Chemicals. *SAR and QSAR in Environ*, **2**: 39-58. [Ref #447](#)

VILLAESCUSA, M., M. PILAR, C. HOSTA. 1996

Toxicity of Cadmium Species on Luminescent Bacteria. Lecture at Fresenius, *J Anal Chem*. **354**: 566-570. [Ref #500](#)

VILLAESCUSA, ISABEL, SALVI MARTI, CARME MATAS, MARIA MARTINEZ and JOSEPH M. RIBO. 1997

Chromium (VI) Toxicity to Luminescent Bacteria. *Environmental Toxicology and Chemistry*. **16(5)**: 871-8741. [Ref #539](#)

VOLMER, PETRA ANN. 1997

Toxicity of Dihalophenols on the Root Elongation of *Lactuca Sativa* (Buttercrunch Lettuce) and on Bioluminescence of *Vibrio fischeri* (Microtox®): A QSAR Approach. Submitted in partial fulfillment of the requirements for the degree of Master of Science in Veterinary Medical Science in the Graduate College of the University of Illinois at Urbana-Champaign, 1997. [Ref #553](#)

YU, RUI, JOHN P. COFFMAN, VERENA VAN FLEET-STALDER and THOMAS G. CHASTEEN. 1997

Toxicity of Oxyanions of Selenium and of a Proposed Bioremediation Intermediate, Dimethyl Selenone. *Environmental Toxicology and Chemistry*, **16(2)**: 140-145. [Ref #526](#)

ZHAO, Y., L. WANG, H. GAO and Z. ZHANG. 1993

Quantitative Structure - Activity Relationships: Relationship Between Toxicity of Organic Chemicals to Fish and to *Photobacterium Phosphoreum*. *Chemosphere*, **26(11)**: 1971-1979. [Ref #414](#)

SEDIMENTS

ABRAHAM, WILLIAM J., T. PREDDICE, E. KUZIA, PH.D., P. JANGBARI, K. WOODFIELD, R. BODE. 1993

Phase I--Status Report, Lower Genesee River Study, New York State Dept. of Environ. Conservation, 61-64, September 1993. [Ref #461](#)

ANKLEY, G.T., R.A. HOKE, J.P. GIESY and P.V. WINGER. 1989

Evaluation of the Toxicity of Marine Sediments and Dredge Spoils with the Microtox Bioassay. [Ref #163](#)

ATHEY, L.A., J.M. THOMAS, W.E. MILLER and K.Q. WORD. 1989

Evaluation of Bioassays for Designing Sediment Cleanup Strategies at a Wood Treatment Site. *Environmental Toxicology and Chemistry*, **8**: 223-230. [Ref #165](#)

ATKINSON, D.S., N.M. RAM and M.S. SWITZERBAUM. 1985

Evaluation of the Microtox Analyzer for Assessment of Sediment Toxicity. Dept. of Civil Engr. Env. Engr. Report No. 86-85-3, Univ. of Mass., Amherst. [Ref #53](#)

AY, K., K.G. DOE, S.J. WADE, D.A. VAUGHN, R.E.BERRIGAN and M.J. MOORE. 1992

Sediment Bioassessment in Halifax Harbour. *Environmental Toxicology and Chemistry*, **11**: 1567-1581. [Ref #363](#)

BECKER, S., G.R. BILLYARD and T.C. GINN. 1990

Comparisons Between Sediment Bioassays and Alternatives of Benthic Macroinvertebrate Assemblages at a Marine Superfund Site, Commencement Bay, Washington. *Environmental Toxicology and Chemistry*, **9**: 669-685. [Ref #233](#)

BEG, M.U.; AL-BAHLOUL, M.; et. al. 2001

Chemical contamination and toxicity of sediment from a coastal area receiving industrial effluents in Kuwait. *Archives of Environ. Contamin. and Tox.*, **41**: 289-297.

BENNETT, J. and J. CUBBAGE. 1992

Evaluation of Bioassay Organisms for Freshwater Sediment Toxicity Testing. Produced for the Freshwater Sediment Criteria Development Project in Cooperation with the Sediment Management Unit. [Ref #334](#)

BENNETT, J. and J. CUBBAGE. 1992

Copper in Sediments from Steilacoom Lake, Pierce County, Washington. Prepared for the Sediment Management Unit, Washington Department of Ecology, Water Body No. WA-12-9080 (Segment No. 05-12-07). [Ref #340](#)

BENNETT, J. and J. CUBBAGE. 1992

Review and Evaluation of Microtox Test for Freshwater Sediments. Washington State Department of Ecology, Olympia, Washington, November 1992. [Ref #377](#)

BENNETT, J. and J. CUBBAGE. 1992

Effects of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediments From Lake Washington on Freshwater Bioassay Organisms and Benthic Macroinvertebrates. Produced for the Sediment Management Unit, Washington State Department of Ecology, Water Body No. WA-08-9350 (Segment No. 04-08-101). [Ref #341](#)

BENTON, MICHAEL J., M.L. MALOTT, S.S. KNIGHT, C.M. COOPER and W.H. BENSON. 1995

Influence of Sediment Composition on Apparent Toxicity in a Solid-Phase Test using Bioluminescent Bacteria. *Environmental Toxicology and Chemistry*, **14(3)**: 411-414. [Ref #465](#)

BITTON, G., M. CAMPBELL and B. KOOPMAN. 1992

MetPAD: A Bioassay Kit for the Specific Determination of Heavy Metal Toxicity in Sediments from Hazardous Waste Sites. *Environmental Toxicology and Water Quality*, **7**: 323-328. [Ref #370](#)

BONNER, J.S.; AUTENRIETH, R.L.; MCDONALD, S.J.; MUELLER, D.C. 1999

Acute toxicity of estuarine wetland sediments contaminated by petroleum. *Environmental Technology*, **20**: 875-882

BROUWER, HENRY and T. MURPHY. 1995

Volatile Sulfides and Their Toxicity in Freshwater Sediments. *Environmental Toxicology and Chemistry*, **14(2)**: 203-208. [Ref #467](#)

BUCY, L. 1993

Solid-Phase Microtox Analysis on Beach and Near Beach Sediment. CE 540. [Ref #415](#)

BULICH, A.A., M.W. GREENE and S.R. UNDERWOOD. 1992

Measurement of Soil and Sediment Toxicity to Bioluminescent Bacteria When in Direct Contact for a Fixed Time Period. Presented at Water Environment Federation 65th Annual Conference and Exposition, Sept. 20-24, 1992, New Orleans, LA. [Ref #357](#)

CLEVELAND, LAVERNE, EDWARD E. LITTLE, JIMMIE D. PETTY, B. THOMAS JOHNSON, JON A. LEBO, CARL E. ORAZIO, JANE DIONNE and ALAN CROCKETT. 1996.

Toxicological and Chemical Screening of Antarctica Sediments: Use of Whole Sediment Toxicity Tests, Microtox®, Mutatox®, and Semipermeable Membrane Devices (SPMDs). *Marine Pollution Bulletin*.

[Ref #535](#)

CAMPBELL, M. G. BITTON, B. KOOPMAN and J.J. DELFINO. 1992

Preliminary Comparison of Sediment Extraction Procedures and Exchange Solvents for Hydrophobic Compounds Based on Inhibition of Bioluminescence. *Environmental Toxicology and Water Quality*, **7**: 229-338. [Ref #369](#)

CAMPISI, T., ABBONDANZI, F., CASADO-MARTINEX, C., DELVALLS, T.A., GUERRA, R., IACONDINI, A. 2005

Effect of Sediment Turbidity and Color on Light Output Measurement for Microtox Basic Solid-Phase Test. *Chemosphere*. **60**: 9-15. [Ref #598](#)

CARR, R. SCOTT, E.R. LONG, H.L. WINDOM, D.C. CHAPMAN, G. THURSBY, G.M. SLOANE, and D.A. WOLFE. 1995

Sediment Quality Assessment Studies of Tampa Bay, Florida. August 31, 1995 paper submitted and accepted for publication in *Environmental Toxicology and Chemistry*. [Ref #494](#)

CASSELLS, N.P.; CRASTON, D.H.; DEPALA, M.; LANE, C.S.; SAEED, M. 2000

Microtox testing of pentachlorophenol in soil extracts and quantification by capillary electrochromatography (CEC) – A rapid screening approach for contaminated land. *Chemosphere*, **40**: 609-618.

CHAPMAN, P.M. 1987

Sediment Toxicity Testing as Part of the Sediment Quality Traid. Presented at the Eighth Annual Meeting of the Society of Environmental Toxicology and Environmental Chemistry, Nov. 9-12, Pensacola, FL Paper No. 288. [Ref #116](#)

CHAPMAN, P.M. 1988

Marine Sediment Toxicity Tests, p.391-402. In J.J. Lichtenberg, F.A. Winter, C.I. Weber, and L. Fradkin, (ed.), Chemical and Biological Characterization of Sludges, Sediments, Dredges/Spoils and Drilling Muds. ASTM STP 976, Philadelphia, PA. [Ref #138](#)

CHAPMAN, P.M., R.C. SWARTZ, B. RODDIE, H.L. PHELPS, P. VAN DEN HURK and R. BUTLER. 1992

An International Comparison of Sediment Toxicity Tests in the North Sea. *Mar. Ecol. Prog. Ser.*, **91**: 253-264. [Ref #395](#)

COOK, NANCY H. 1995

Toxicity of Halifax Harbour Sediments: An Evaluation of The Microtox® Solid Phase Bioassay. Paper submitted in partial fulfillment of the requirements for the degree of Master of Environmental Studies at Dalhousie University, Halifax, Nova Scotia, March 1995. [Ref #496](#)

COOK, NANCY H. and P.G. WELLS. 1996

Toxicity of Halifax Harbour Sediments: An Evaluation of the Microtox® Solid-Phase Test. *Water Qual. Res. J. Canada*, **31**(4): 673-708. [Ref #519](#)

CRY, DANIEL G.; FOURNIER, MICHEL; LEBEUF, MICHEL; LEE, KENNETH; NAGLER, JAMES J. 1999

Toxicological characteristics of sediments from Baire des Anglais on the St. Lawrence Estuary. *Chemosphere*. **39**: 1019-1035.

DAY, K.E., B.J. DUTKA, K.K. KWAN, N. BATISTA, T.B. REYNOLDSON, and J.L. METCALFE-SMITH. 1995

Correlations Between Solid-Phase Microbial Screening Assays, Whole-Sediment Toxicity Tests with Macroinvertebrates and In-Situ Benthic Community Structure. *J. Great Lakes Res.*, **21**(2): 192-206. [Ref #455](#)

DELOLME, CECILE; BROHON, BERTRAND; GOURDON, REMI. 2001

Complementarity of bioassays and microbial activity measurements for the evaluation of hydrocarbon-contaminated soil quality. *Soil Biology & Biochemistry*, **33**: 883-891.

DELORENZO, M.E., A.H. RINGWOOD, P.E. ROSS. 1995

Microtox® as an Indicator of Sediment Toxicity in Southeastern Estuaries. Poster, presented at the 1995 SETAC World Congress meeting in Vancouver. [Ref #490](#)

DELVALLS, T. ÁNGEL, LUIS M. LUBIÁN, JESÚS M. FORJA and ABELARDO GÓMEZ-PARRA. 1997

Comparative Ecotoxicity of Interstitial Waters in Littoral Ecosystems using Microtox® and the Rotifer *Brachionus Plicatilis*. *Environmental Toxicology and Chemistry*, **16(11)**: 2323-2332. [Ref #551](#)

DINNEL, P.A. 1990

Annotated Bibliography of Bioassays Related to Sediment Toxicity Testing in Washington State, Final Report. Fisheries Research Institute, Seattle, Washington FRI-UW-9017, Oct. 1990. [Ref #328](#)

DOHERTY, FRANCIS G. 2001

A review of the Microtox toxicity test system for assessing the toxicity of sediments and soils. *Water Quality Research Journal of Canada*, **36**: 475-518. [Ref #640](#)

DUTKA, B.J. and K.K. KWAN. 1988

Battery of Screening Tests Approach Applied to Sediment Extracts. *Toxicity Assess.*, **3**: 303-314. [Ref #136](#)

DUTKA, B.J., K.K. KWAN, S.S. RAO, A. JURKOVIC, R. MCINNIS, G.A. PALMATEER and B. HAWKINS. 1990

Use of Bioassays to Evaluate Thames River Water and Sediment Quality. National Water Research Institute, Canada Centre for Inland Waters, Burlington, Ontario, NWRI Contribution #90-71. [Ref #257](#)

DUTKA, B.J., K.K. KWAN, S.S. RAO, A. JURKOVIC and R. MCINNIS. 1991

Use of Bioassays to Evaluate River Water and Sediment Quality. *Environmental Toxicology and Water Quality*, **6**: 309-327. [Ref #308](#)

GABRIELSON, E.G. and A.M. MILNER. 1992

Assessment of Water Quality in Chester Creek Using Bioassays. Prepared for U.S. Fish and Wildlife Service, Anchorage, AK [Ref #343](#)

GHIRARDINI, A.V.; BIRKEMEYER, T.; NOVELLI, A.A.; DELANEY, E.; PAVONI, B.; GHETTI, P.F. 1999

An integrated approach to sediment quality assessment: the Venetian lagoon as a case study. *Aquatic Ecosystem Health & Management*, **2**: 435-447.

GIESY, J.P., R.L. GRANEY, J.L. NEWSTED, C.J. ROSIU, A. BENDA. 1988

A Comparison of Three Sediment Bioassay Methods using Detroit River Sediments. [Ref #117](#)

GIESY, J.P. 1990

Freshwater Sediment Quality Criteria: Toxicity Bioassessment, p.265-348. In R. Baudo, J.P. Giesy and H. Muntau (ed.), *Sediments: Chemistry and Toxicity of In-Place Pollutants*. Lewis, Chelsea, MI. [Ref #339](#)

GIESY, J.P., and R.A. HOKE. 1989

Freshwater Sediment Toxicity Bioassessment: Rationale for Species Selection and Test Design. *J. Great Lakes Res.*, **15(4)**: 539-569. [Ref #228](#)

GEISY, J.P., C.J. ROSIU, DR. L. GRANEY and M.G. HENRY. 1988

Dose-Response Relationships for Benthic Invertebrate Bioassays with Toxic Sediment and Pore Water. [Ref #152](#)

GIESY, JOHN P., C.J. ROSIU, R.L. GRANEY, J.L. NEWSTED, and A. BENDA. 1988

Toxicity of Detroit River Sediment Interstitial Water to the Bacterium *Photobacterium Phosphoreum*. *J. Great Lakes Res.*, **14(4)**: 502-513. [Ref #541](#)

GUERRA, R., PASTERIS, A., PONTI, M. 2009

Impacts of Maintenance Channel Dredging in a Northern Adriatic Coastal Lagoon. I: Effects on Sediment Properties, Contamination and Toxicity. *Estuarine, Coastal and Shelf Science*. **85 (1)**: 134-142. [Ref #633](#)

HARKEY, GAIL A.; YOUNG, THOMAS M. 2000

Effect of soil contaminant extraction method in determining toxicity using the Microtox assay. *Environmental Toxicology and Chemistry*, **19**: 276-282.

HO, K.T., L.J. MILLS, C. MUELLER, S.C. ANDERSON and A.R. MALCOLM. 1994

The Influence of Sediment Extract Fractionation Methods on Bioassay Results. *Environmental Toxicology and Water Quality*, **9(2)**: 145-154. [Ref #149](#)

HO, K.T.Y. and J.G. QUINN. 1993

Physical and Chemical Parameters of Sediment Extraction and Fractionation that Influence Toxicity, as Evaluated by Microtox, *Environmental Toxicology and Chemistry*, **12**: 615-625. [Ref #405](#)

HO, K.T.Y. and J.G. QUINN. 1993

Bioassay-Directed Fractionation of Organic Contaminants in an Estuarine Sediment Using the New Mutagenic Bioassay, Mutatox. *Environmental Toxicology and Chemistry*, **12**: 823-830. [Ref #112](#)

HOKE, R.A., P.D. JONES, A.E. MACCUBBIN, M.J. ZABIK and J.P. GIESY. 1994

Use of In Vitro Microbial Assays of Sediment Extracts to Detect and Quantify Contaminants with Similar Modes of Action. *Chemosphere*, **28(1)**: 169-181. [Ref #446](#)

HOSKIN, S.J. 1993

Evaluation of a New Sediment Toxicity Test: Correlation With a Sediment Quality Triad. Thesis Presented to the Faculty of The University of Texas. [Ref #380](#)

INTERNATIONAL JOINT COMMISSION. 1988

Procedures for the Assessment of Contaminated Sediment Problems in the Great Lakes. Prepared by the Sediment Subcommittee and its Assessment Work Group. Reported to the Great Lakes Water Quality Board, Dec. [Ref #226](#)

JACOBS, M.W., J.J. DELFINO and G. BITTON. 1992

The Toxicity of Sulfur to Microtox from Acetonitrile Extracts of Contaminated Sediments. *Environmental Toxicology and Chemistry*, **11**: 1137-1143. [Ref #350](#)

JARVIS, A.S., M.E. HONEYCUTT. 1994

A Comparison of the Ames Assay and Mutatox™ in Assessing the Mutagenic Potential of Contaminated Sediment. Presented at the SETAC 15th Annual Meeting, October, 1994, Denver, CO. [Ref #444](#)

JARVIS, A.S. 1995

Environmental Effects of Dredging Programs. A Comparison of the Ames Assay and Mutatox in Assessing the Mutagenic Potential of Contaminated Dredged Material. US Army Corps of Engineers, Waterways Experiment Station, Technical Report **D-95-1**. [Ref #448](#)

JARVIS, A. SUSAN, M.E. HONEYCUTT, V.A. MCFARLAND, A.A. BULICH, AND H.C. BOUNDS. 1996

A Comparison of the Ames Assay and Mutatox® in Assessing the Mutagenic Potential of Contaminated Dredged Sediment. *Ecotoxicol. and Environ. Safety*, **33**: 193-200. [Ref #510](#)

JOHNSON, B.T. 1990

A Mutatox Assessment of Genotoxicants in Great Lakes Sediments. Paper presented at the Annual Meeting of SETAC, November 11-15, 1990 Washington D.C. [Ref #273](#)

JOHNSON, B.T. 1992

Potential Genotoxicity of Sediments from the Great Lakes. *Environmental Toxicology and Water Quality*, **7**: 373-390. [Ref #69](#)

JOHNSON, B.T. 1991

Potential Genotoxicity of Sediments from the Great Lakes Basin: Rapid Detection with the Mutatox™ Assay. *Research Information Bulletin, Fish & Wildlife Service*, 91-101. [Ref #92](#)

JOHNSON, B.T. 1994

Rapid Toxicity Assessment of Sediments from Large Estuarine Ecosystems: A New Tandem Testing Approach. Paper presented at the Annual Meeting of the Society of Environ. Toxic. & Chem., Oct. 30 - Nov. 4, 1994, Denver, CO. [Ref #433](#)

JOHNSON, B.T. 1995

Detection of Genotoxins in Contaminated Sediments: An Evaluation of a New Test for Complex Environmental Mixtures. Assessment and Remediation of Contaminated Sediments (ARCS) Program. Genotoxicity. [Ref #440](#)

JOHNSON, B.T., 1994

Detection of Genotoxins in Chemically Contaminated Sediments: An Evaluation of a New Test for Complex Environmental Mixtures. Assessment and Remediation of Contaminated Sediment (ARCS) Project, June 1994. [Ref #425](#)

KEMBLE, N.E.; DWYER, F.J.; HARDESTY, D.G.; et. al. 2000

An evaluation of the toxicity of contaminated sediments from Waukegan Harbor, Illinois, following remediation. *Archives of Env. Contamin. And Tox.*, **39**: 452-461.

KEMBLE, N.E., W.G. BRUMBAUGH, E.L. BRUNSON, F.J. DWYER, C.G. INGERSOLL, D.P. MONDA and D.F. WOODWARD. 1994

Toxicity of Metal-Contaminated Sediments from the Upper Clark Fork River, Montana, to Aquatic Invertebrates and Fish in Laboratory Exposures. *Environmental Toxicology and Chemistry*, **13(12)**: 1985-1997. [Ref #434](#)

KENNICUTT II, M.C., KLEIN, A., MONTAGNA, P., SWEET, S., WADE, T., PALMER, T., SERICANO, J., DENOUX, G. 2010

Temporal and Spatial Patterns of Anthropogenic Disturbance at McMurdo Station, Antarctica. *Environ. Res. Lett.* 5: 10 pp. [Ref #635](#)

KIAMOS, M.A., J. BUREAU, H. SLOTERDIJK, L. VEILLEUX and P. ANDERSON. 1988

Comparing Toxicity of St. Lawrence River Sediment Elutriates and Interstitial Water Using a Microbioassay. Presented at Canadian 15th Annual Aquatic Toxicity Workshop, Nov. 28-30, 1988, Montreal. [Ref #159](#)

KWAN, K.K. and B.J. DUTKA. 1990

Simple Two-Step Sediment Extraction Procedure for Use in Genotoxicity and Toxicity Bioassays. *Toxicity Assess.*, **5**: 395-404. [Ref #278](#)

KWAN, K.K., B.J. DUTKA, S.S. RAO and D. LIU. 1990

Mutatox Test: A New Test for Monitoring Environmental Genotoxic Agents. *Environmental Pollution*, **65**: 323-332. [Ref #256](#)

KWAN, K.K., B.J. DUTKA. 1995

Comparative Assessment of Two Solid-Phase Toxicity Bioassays: The Direct Sediment Toxicity Testing Procedure (DSTTP) and the Microtox® Solid-Phase Test (SPT). *Bull. Environ. Contam. Toxicol.*, **55**: 338-346 [Ref #482](#)

LARBAIGT, G., M. BONNEFILLE, D. PEYRE A. TABONET. 1990

Determination de niveau de toxicite des sediments de riviere par le test de bioluminescence bacterienne (Use of a Bacterial Bioluminescence Assay to Assess Toxicity of River Sediments). *Revue Des Sciences De L'eau*, **4**: 329-342. [Ref #335](#)

LICIA, G., R. PHILIPPE, C. BARTON, G. TARTARI and H. MUNTAU.

Toxicity Identification Evaluation of Lake Orta Sediments (Northern Italy). [Ref #420](#)

LONG, EDWARD R., A. ROBERTSON, D.A. WOLFE, J. HAMEEDI, and G.M. SLOANE. 1996

Estimates of the Spatial Extent of Sediment Toxicity in Major U.S. Estuaries. *Environmental Science & Technology*, **30(12)**: 3585-3592. [Ref #520](#)

LONG, EDWARD R., L.J. FIELD and D.D. MacDONALD. 1998
Predicting Toxicity in Marine Sediments with Numerical Sediment Quality Guidelines. *Environmental Toxicology and Chemistry*, **17(4)**: 714-727. [Ref #561](#)

MCGINNIS, M.S., S. LONG and F.K. PFAENDER. 1993
Changes in Toxicity of Groundwater and Sediment During in situ Bioremediation by Methanotrophs. Presented at 14th Annual Meeting of SETAC, Nov. 14-18, 1993, Houston, TX. [Ref #399](#)

MIHELICIC, JAMES R.; CUSACK, CYNTHIA C. 1999
Sediment toxicity from copper in the Torch Lake (MI) Great Lakes Area of Concern. *Journal of Great Lakes Research*, **25**: 735-743

MOREHEAD, S., MONTAGNA, P., KENNICUTT II, M.C. 2008
Comparing Fixed-point and Probabilistic Sampling Designs for Monitoring the Marine Ecosystem near McMurdo Station, Ross Sea, Antarctica. *Antarctic Science*, 14 pp. [Ref #636](#)

ONORATI, F., MECOZZI, M. 2004
Effects of Two Diluents in the Microtox Toxicity Bioassay with Marine Sediments. *Chemosphere*. 54: 679-687. [Ref #590](#)

PASTOROK, R.A. and D.S. BECKER. 1989
Comparison of Bioassays for Assessing Sediment Toxicity in Puget Sound. Prepared for U.S. EPA, Region 10, Office of Puget Sound, Final Report. EPA/68-D8-0085; PTI Contract C74407, May 1989. [Ref #198](#)

PASTOROK, R.A., D. PEEK, J. SAMPSON and M. JACOBSON. 1992
Ecological Risk Assessment for River Sediments Contaminated by Creosote. Presented at Symposium on New Approaches in Risk Assessment and Uncertainty Analysis, 13th Annual Meeting, Society of Environ. Toxicol. & Chem., Cincinnati, OH, November 8-12, 1992. [Ref #435](#)

PETERSON, GREGORY S. 1996.
Effect of Bioturbation on Metal-Sulfide Oxidation in Surficial Freshwater Sediments. University of Minnesota, MN Cooperative Fish and Wildlife Research Unit, 138 Hodson Hall, 1980 Folwell Avenue, St. Paul, Minnesota, 55108. [Ref #504](#)

RENOUX, AGNES Y.; MILLETTE, DENIS; SAMSON, REJEAN; TYAGO, REJESWAR, D. 1999
Detoxification of fluorene, phenanthrene, carbazole and p-cresol in columns of aquifer sand as studied by the Microtox assay. *Water Research*, **33**: 2045-2052.

RINGWOOD, AMY H., MARIE E. DELORENZO, PHILLIPPE E. ROSS and A. FRED HOLLAND. 1997
Interpretation of Microtox Solid-Phase Toxicity Tests: The Effects of Sediment Composition.. *Environmental Toxicology and Chemistry*, **16(6)** 1135-1140. [Ref #536](#)

RONNPAGEL, K., W. LIB, and W. AHLF. 1995
Microbial Bioassays to Assess the Toxicity of Solid-Associated Contaminants. *Ecotoxicology and Environmental Safety*, **31**: 99-103. [Ref #439](#)

ROSS, P. 1992
Sediment Classification Methods Compendium. A Summary of the Sediment Assessment Strategy Recommended by the International Joint Commission. Chapter 12. EPA. [Ref #375](#)

ROSS, P.E., L.C. BURNETT, C. KERMODE and M. TIMME. 1990
Miniaturizing a Toxicity Test Battery for Screening Contaminated Sediments. Presented at the 17th

Annual Canadian Aquatic Toxicity Workshop, Nov. 5-7, 1990, Vancouver, B.C., Canada. [Ref #262](#)

ROSS, P.E. and M.S. HENEBRY. 1987

A Comparative Study for Four Microbiological Tests for Evaluating Sediment Toxicity. Presented at the Third International Symposium for Toxicity Testing Using Microbial Systems, May 11-15, 1987, Valencia, Spain. [Ref #86](#)

ROSS, P.E. and M.S. HENEBRY. 1989

Use of Four Microbial Tests to Assess the Ecotoxicology Hazard of Contaminated Sediments. *Toxicity Assess.*, **4**: 1-21. [Ref #168](#)

SALIZZATO, MICHELA, B. VALENTINA, B. PAVONI, A. VOLPI GHIRARDINI and P.F. GHETTI. 1998

Sensitivity Limits and EC50 Values of the Vibrio Fischeri Test for Organic Micropollutants in Natural and Spiked Extracts from Sediments. *Environmental Toxicology and Chemistry*, **17(4)**: 655-661. [Ref #560](#)

SCHIEWE, M.H., E.G. HAWK, D.I. ACTOR and M.M. KRAHN. 1985

Use of Bacterial Bioluminescence Assay to Assess Toxicity of Contaminated Marine Sediments. *Can. J. Fish Aquat. Sci.*, **42**: 1244-1248. [Ref #51](#)

SCHUMAKER, R.J. 1993

Use of the Microtox Bioassay to Determine Toxicity of Lake Roosevelt Bed Sediment. CE 540, Instrumental Analysis of Environmental Contaminants, April 1993. [Ref #412](#)

SLOTERDIJK, H.H., L. CHAMPOUX, P. ROSS, V. JERRY and Y. COUILLARD. 1988

Toxicity of St. Lawrence River (Lake St. Louis) Sediment Elutriates as a Function of Bioassay Responses, Using Micro-Organisms, and Water Quality Guidelines. Presented at the Canadian 15th Annual Aquatic Toxicity Workshop, Nov. 28-30, 1988, Montreal. [Ref #157](#)

SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT (SCCWRP). 1989

Characteristics and Effects of Contaminated Sediments, 54-61. SCCWRP Annual Report. [Ref #219](#)

STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY. 1991

Sediment Management Standards. Chapter 173-204 WAC. [Ref #296](#)

SVENSON, ANDERS, A. CARDOSO, A. THURÉN, L. KAJ and G. DAVE. 1994

Microtox® Toxicity in Sediments-Modified Method for the Direct Contact Test with Luminescent Bacteria. IVL Report, Swedish Environ. Research Inst., Stockholm, September 1994. B 1140. [Ref #459](#)

TETRA TECH, INC. and E.V.S. CONSULTANTS, INC. 1986

Recommended Protocols for Conducting Laboratory Bioassays on Puget Sound Sediments. Prepared for U.S. EPA, Region 10, Office of Puget Sound, Final Report, Office Report No. TC-3991-04. [Ref #82](#)

TRUE, C.J. and A.A. HEYWARD. 1990

Relationships Between Microtox Test Results, Extraction Methods and Physical and Chemical Compositions of Marine Sediment Samples. Accepted for Publication in *Toxicity Assess.* [Ref #141](#)

TUNG, K.K., G. SCHEIBNER, T. MILLER and A.A. BULICH. 1990

A New Method For Testing Soil and Sediment Samples. Presented at SETAC Conference, Nov. 12-14, 1990. [Ref #268](#)

VAN DE GUCHTE, C. and J. MAAS-DIEPEVEEN. 1987

Screening Sediments for Toxicity: A Water-Concentration Related Problem. Presented at the 14 Annual Aquatic Toxicity Workshop, Nov. 1-4, 1987, Toronto, Canada. [Ref #143](#)

VAN GESTEL, CORNELIS A.M.; et. al. 2001

The use of acute and chronic bioassays to determine the ecological risk and bioremediation efficiency of oil polluted soils. *Environmental Toxicology and Chemistry*, **20**: 1438-1449.

VAUGHAN, G.T. 1995

Use of Solid-Phase Adsorbents with the Microtox Test for Determining the Toxicity of Hydrophobic Chemicals. Centre for Advanced Analytical Chemistry, CSIRO Division of Coal and Energy Technology, PMB 7, Menai NSW 2234, Australia. Poster presented at SETAC '95. [Ref #488](#)

VOLPI GHIRARDINI, A., P.F. GHETTI, V. DE LEO and C. PANTANI. 1995

Microtox® Solid-phase Bioassay in Sediment Toxicity Assessment. [Ref #477](#)

VON FALK, K. 1992

On the Necessity of Ecotoxicological Assessments of Aquatic Sediments. DGM 36. 1992, **H.5/6**:165-169. [Ref #394](#)

WEI, C. and G.M. MORRISON. 1996

Inhibition of Bacterial Enzyme Activity and Luminescence by Urban River Sediments. *The Science of the Total Environment*. [Ref #205](#)

WEI, C. and G.M. MORRISON. 1996

Platinum in Road Dusts and Urban River Sediments. Department of Sanitary Engineering, Chalmers University of Technology, S-412, 96, Gotenborg, Sweden. [Ref #386](#)

WILLIAMS, L.G., P.M. CHAPMAN and T.C. GINN. 1986

A Comparative Evaluation of Marine Sediment and Amphipod Sediment Bioassays. *Marine Env. Res.*, **19**: 225-249. [Ref #58](#)

SEMI-PERMEABLE MEMBRANE DEVICE

ELLIS, G.S., J.N. HUCKINS, C.E. ROSTAD, C.J. SCHMITT, J.D. PETTY and P. MACCARTHY. 1995

Evaluation of Lipid-containing Semipermeable Membrane Devices for Monitoring Organochlorine Contaminants in the Upper Mississippi River. *Environmental Toxicology and Chemistry*, **14(11)**: 1875-1884. [Ref #479](#)

GILLI, G., SCHILIRO, T., PIGNATA, C., TRAVERSI, D., CARRARO, E., BAIOCCHI, C., AIGOTTI, R., GIACOSA, D., FEA, E. 2005

Application of Semipermeable Membrane Device for Assessing Toxicity in Drinking Water. *Chemosphere*. **61**: 1691-1699. [Ref #602](#)

HUCKINS, J.N., J.D., PETTY, C.E. ORAZIO, J.L. ZAJICEK, V.L. GIBSON, R.C. CLARK, and K.R. ECHOLS. 1994

SemipermeableMembraneDevice(SPMD)Sampling Rates for Trace Organic Contaminants in Air and Water. National Biological Survey, Midwest Science Center, 4200 New Haven Road, Columbia, MO., 65201. [Ref #456](#)

LAZUTKA, J.R.; SABALIUNAS, D. 2000

Acute toxicity and genotoxicity of aquatic hydrophobic pollutants sampled with semipermeable membrane devices. *Environmental Pollution*, **109**: 251-265

LEBO, JON A., J.L. ZAJICEK, J.N. HUCKINS, J.D. PETTY and P.H. PETERMAN. 1992

A Demonstrated Method for the Application of Semipermeable Membrane Devices to In Situ Monitoring of Environmental Waters for Polycyclic Aromatic Hydrocarbons. (Report.) *Chemosphere*, **25(5)**: 697-718. [Ref #485](#)

MEADOWS, J., D. TILLITT, J. HUCKINS, D. SCHROEDER. 1993

Large-scale Dialysis of Sample Lipids using a Semipermeable Membrane Device. *Chemosphere*, **26(11)**: 1993-2006. [Ref #483](#)

PREST, H.F., L.A. JACOBSON, J.N. HUCKINS. 1995

Passive Sampling of Water and Coastal Air via Semipermeable Membrane Devices. [Ref #484](#)

PREST, H.F., W.M. JARMAN, S.A. BURNS, T. EWEISMÜLLER, M. MARTIN, J.N. HUCKINS. 1992

Passive Water Sampling via Semipermeable Membrane Devices (SPMDS) in Concert with Bivalves in the Sacramento/San Joaquin River Delta. *Chemosphere*, **25(12)**: 1811-1823. [Ref #486](#)

ROGERS, K.R., HARPER, S.L., ROBERTSON, G. 2005

Screening for Toxic Industrial Chemicals Using Semipermeable Membrane Devices with Rapid Toxicity Assays. *Analytica Chimica Acta*. **543 (1-2)**: 229-235. [Ref #620](#)

SABALIUNAS, D.; ELLINGTON, J.; SABALIUNIENE, I. 1999

Screening bioavailable hydrophobic toxicants in surface waters with semipermeable membrane devices: Role of inherent oleic acid in toxicity evaluations. *Ecotox. And Environ. Safety*, **44**: 160-167.

STORMWATER

FIELD, R. and R.E. PITT. 1989

Urban Storm-Induced Discharge Impacts: US EPA Research Program Review. Presented at the International Association on Water Pollution Research and Control Conference, Sept. 1989, Wageningen, The Netherlands. [Ref #288](#)

MISSOURI DEPT OF NATURAL RESOURCES, FIELD SERVICES DIVISION, ENVIRONMENTAL SERVICES PROGRAM, WATER QUALITY MONITORING SECTION. 2005

Stream Survey Sampling Report, Phases I and II, Hinkson Creek Stream Study, Columbian Missouri. Prepared for: Missouri Department of Natural Resources, Division of Environmental Quality, Water Protection Branch, Water Pollution Control Program. <http://www.dnr.mo.gov/env/esp/wqm/phase1-hinksonck-exec.pdf>; <http://www.dnr.mo.gov/env/esp/wqm/phase2-hinksonck-exec.pdf>

PITT, R., R. FIELD, M. LALOR, M. BROWN. 1995

Urban stormwater toxic pollutants: assessment, sources, and treatability. *Water Environ. Research*, **67(3)**: 260-275. [Ref #449](#)

PITTS, R.E., P.F. BARRON, A. AYYOUBI and R. FIELD. 1991

The Treatability of Urban Stormwater Toxicants. Presented at the 17th Annual EPA Hazardous Waste Research Symposium, April, Cincinnati, OH. [Ref #281](#)

PITTS, R.E. and R. FIELD. 1991

Hazardous and Toxic Wastes Associated with Urban Stormwater Runoff. Presented at the 16th Annual Hazardous Waste Research Symposium, April, Cincinnati, OH. [Ref #280](#)

PITTS, R.E., M. LALOR and R. FIELD. 1991

EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems. Presented at the International Conference on Integrated Stormwater Management, The Environmental Engineering Society of Singapore, National University of Singapore, July 11-13, 1991. [Ref #289](#)

RIVELES, K.; GERSBERG, R.M. 1999

Toxicity Identification Evaluation of Wet and Dry Weather Runoff from the Tijuana River. *Bull of Environ. Contam. and Toxicol.*, **63**: 625-632.

SERVOS, M.; ROCHFORD, Q.; MAYER, T.; MARSALEK, J.; BROWNLEE, S. 1999

An exploratory study of urban runoff toxicity. *Water Science and Technology*, **39**: 33-39.

SOUTHERN CALIFORNIA COASTAL WATER

Annual Report, Toxicity of Stormwater Runoff in Los Angeles County, 66-71. [Ref #220](#)

TOXICITY REDUCTION EVALUATION

BISHOP, D.F. 1987

Toxicity Reduction Evaluations in Municipal Wastewater Treatment Plants. Presentation given at the WPCF Post Conference Workshop on Toxicity Identification/Reduction Evaluations, Philadelphia, PA. [Ref #176](#)

BLECKMANN, CHARLES A., B. RABE, S.J. EDGMON and D. FILLINGAME. 1995

Aquatic Toxicity Variability for Fresh- and Saltwater Species in Refinery Wastewater Effluent. *Environmental Toxicology and Chemistry*, **14(7)**: 1219-1223. [Ref #464](#)

BOTTS, J.A., C.S. SULLIVAN, J.W. BRASWELL, W.L. GOODFELLOW, W.L. MCCULLOCH, A.G. MCDEARMON and D.F. BISHOP. 1987

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant. Presented at 1987 Water Pollution Control Federation National Conference. Post Conference Workshop on Toxicity Reduction Evaluations, Philadelphia. [Ref #109](#)

BOTTS, J.A., J.W. BRASWELL, W.L. GOODFELLOW and D.F. BISHOP. 1988

Toxicity Reduction Evaluation at the Patapsco Wastewater Treatment Plant, Water Engineering Research and Laboratory, Cincinnati, Ohio. Published by the U.S. EPA, Doc. EPA/600/S2-88/034 Sept. 1988. [Ref #155](#)

BRENNER, A., S. BELKIN, S. ULITZUR and A. ABELIOVICH. 1991

Evaluation of Activated Carbon Adsorption Capacity by a Toxicity Bioassay. Water Resources Research Center and Environmental Microbiology Laboratory, The Jacob Blaustein Institute for Desert Research Ben-Gurion University of the Negev. [Ref #321](#)

BROWN, G.K. 1988

Effect of Industrial Waste Inputs and Process Conditions on Toxicity of Final Effluent at the Buckman Wastewater Treatment Plant, Jacksonville, Fla. Comparison of Microtox to an Alternative Microbial Toxicity Test and Daphnia Bioassay. Master's Thesis, Univ. of Florida. [Ref #150](#)

GOODFELLOW, W.L., W.C. MCCULLOCH, J.A. BOTTS, A.G. MCDEARMON and D.F. BISHOP. 1987

Long-term Multispecies Toxicity and Effluent Fractionation Study at a Municipal Wastewater Treatment Plant. Presented at ASTM's Aquatic Toxicology and Hazard Assessments Eleventh Symposium, May 10-12, 1987, Cincinnati, OH. [Ref #77](#)

HANSEN, S. 1987

Toxicity Reduction Evaluation at an Oil Refinery; A Case Study. Presented at the Water Pollution Control Federation National Conference, Post Conference Workshop on Toxicity Reduction Evaluations, Philadelphia, PA. [Ref #125](#)

HILL, S.L. 1987

A Toxicity Reduction Evaluation of Water Produced During Retorting of a Western Oil Shale. Presented at the Eight Annual Meeting of SETAC, Nov. 9-12, 1987, Pensacola, FL. Paper No. 507. [Ref #119](#)

LANGE, D.L. and M.J. WILLIAMS. 1989

Particulate Toxicity Study. Central Laboratory Division, City of Dallas, TX. [Ref #207](#)

LOGUE, C.L. and B.L. KOOPMAN. 1988

Effluent Toxicity Reduction Evaluation at the Buckman Wastewater Treatment Facility, City of Jacksonville, Florida. Presented at the Toxics Reduction and Treatability Seminar Sponsored by the University of Florida and the Center for Training, Research and Education for Environmental Occupations, Feb. 25-26, 1988, Gainesville, FL. [Ref #129](#)

LOGUE, C.L., B. KOOPMAN, G.K. BROWN and G. BITTON. 1989

Toxicity Screening in a Large, Municipal Wastewater System. *J. WPCF*, **61(5)**: 895-891. [Ref #180](#)

MARTIN, J. 1987

Part 1: Whys and Wherefores of Toxicity Testing. Part 2: Using Bioassays in a Toxicity Reduction Evaluation. Presentation Given at the 1987 WPCF Analytical Techniques/Residuals Management Speciality Conference. [Ref #177](#)

MAZIDJI, C.N., B. KOOPMAN, G. BITTON, G. VOILAND and C. LOGUE. 1990

Use of Microtox and Ceriodaphnia Bioassays in Wastewater Fractionation. *Toxicity Assess.*, **5**: 265-277. [Ref #247](#)

SLATTERY, G.H. 1988

TRE - Toxics Reduction Evaluation. Case Study-Operations & Management Viewpoint Lessons Learned, Patapsco WWTP, Baltimore, Virginia WPCA 1988 Meeting, Roanoke Hotel, May 1-3, 1988. [Ref #134](#)

SULLIVAN, E.C., J.A. BOTTS, J.W., BRASWELL and D.F. BISHOP. 1987

A Test to Monitor the Effect and Toxicity Pass-through of Industrial Wastewaters Discharged to Municipal Wastewater Treatment Plants. Presented at the Eighth Annual Meeting of SETAC, Nov. 9-12, 1987, Pensacola, FL. Paper No. 61. [Ref #121](#)

WILLIAMS, R.T. (U.S. EPA, CINCINNATI, OHIO). 1988

Development of a Toxicity Reduction Evaluation Protocol. Presented at the Toxics Reduction and Treatability Seminar sponsored by the University of Florida and the Center of Training, Research and Education for Environmental Occupations, Feb. 25-26, 1988, Gainesville, FL. [Ref #128](#)

ZIMMER, B.J. 1988

Toxicity Reduction Evaluations for Municipal Treatment Facilities. New Jersey Effluents, pages 3 and following. [Ref #181](#)