TEDX List of Potential Endocrine Disruptors
2011.10.10

CHEMICAL NAME	ALTERNATIVE NAME(S)	CAS #	TEDX#	YEAR	CITATION	DATE ADDED (YYYYMMDD)
4-nitrophenol	p-nitrophenol	100-02-7	H21269	2006	Li C, Taneda S, Suzuki AK, Furuta C, Watanabe G, Taya K. 2006. Estrogenic and anti-androgenic activities of 4-nitrophenol in diesel exhaust particles. Toxicol Appl Pharmacol 217(1):1-6.	**20110505**
4-nitrophenol	p-nitrophenol	100-02-7	H23999	2009	Li X, Li C, Suzuki AK, Taneda S, Watanabe G, Taya K. 2009. 4-Nitrophenol isolated from diesel exhaust particles disrupts regulation of reproductive hormones in immature male rats. Endocrine 36(1):98-102.	**20110505**
4-nitrophenol	p-nitrophenol	100-02-7	W14938	2010	Mi Y, Zhang C, Li CM, Taneda S, Watanabe G, Suzuki AK, Taya K. 2010. Protective effect of quercetin on the reproductive toxicity of 4-nitrophenol in diesel exhaust particles on male embryonic chickens. J Reprod Dev 56(2): 195-199.	**20110505**
dibutyltin	DBT; di-n-butyltin	1002-53-5	H16880	2005	Atanasov AG, Nashev LG, Tan S, Baker ME, Odermatt A. 2005. Organotins disrupt the 11<beta>-hydroxysteroid dehydrogenase type 2-dependent local inactivation of glucocorticoids. Environ Health Perspect 113(11):1600-1606.	**20110616**
4-(imidazol-1-yl)phenol		10041-02-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
styrene		100-42-5	H25131	1984	Mutti A, Falzoi M, Romanelli A, Franchini I. 1984. Regional alterations of brain catecholamines by styrene exposure in rabbits. Arch Toxicol 55(3):173-177.	**20110505**
styrene		100-42-5	H08720	1985	Zaidi NF, Agrawal AK, Srivastava SP, Seth PK. 1985. Effect of gestational and neonatal styrene exposure on dopamine receptors. Neurobehavioral Toxicology & Teratology 7(1):23-28.	**20110505**
styrene		100-42-5	H10535	2000	Takao T, Nanamiya W, Nazerloo HP, Asaba K, Hashimoto K. 2000. Possible reproductive toxicity of styrene in peripubertal male mice. Endocr J 47(3): 343-347.	**20110505**
boric acid		10043-35-3	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
chlorine dioxide		10049-04-4	H06264	1982	Bercz JP, Jones L, Garner L, Murray D, Ludwig A, Boston J. 1982. Subchronic toxicity of chlorine dioxide and related compounds in drinking water in the nonhuman primate. Environ Health Perspect 46:47-55.	**20110505**
chlorine dioxide		10049-04-4	H06307	1986	Revis NW, McCauley P, Bull R, Holdsworth G. 1986. Relationship of drinking water disinfectants to plasma cholesterol and thyroid hormone levels in experimental studies. Proceedings of the National Academy of Sciences USA 83(5):1485-1489.	**20110505**
chlorine dioxide		10049-04-4	H00179	1986	Harrington RM, Shertzer HG, Bercz JP. 1986. Effects of chlorine dioxide on thyroid function in the African green monkey and the rat. J Toxicol Environ Health 19(2):235-242.	**20110505**

4,4'-dihydroxy-2,3,5,6-tetrachlorobiphenyl	4,4'-diOH-PCB-65; 2,3,5,6'-tetrachloro-4,4'-biphenyldiol	100702-98-5	H00776	1988	Korach KS, Sarver P, Chae K, McLachlan JA, McKinney JD. 1988. Estrogen receptor-binding activity of polychlorinated hydroxybiphenyls: conformationally restricted structural probes. Mol Pharmacol 33(1):120-126.	**20110505**
atrazine-desisopropyl (atrazine metabolite)		1007-28-9	H07252	1996	Tran DQ, Kow KY, McLachlan JA, Arnold SF. 1996. The inhibition of estrogen receptor-mediated responses by chloro-s-triazine-derived compounds is dependent on estradiol concentration in yeast. Biochemical & Biophysical Research Communications 227(1):140-146.	**20110505**
atrazine-desisopropyl (atrazine metabolite)		1007-28-9	H11792	2001	Sanderson JT, Letcher RJ, Heneweer M, Giesy JP, van den Berg M. 2001. Effects of chloro-s-triazine herbicides and metabolites on aromatase activity in various human cell lines and on vitellogenin production in male carp hepatocytes. Environ Health Perspect 109(10):1027-1031.	**20110505**
lead nitrate		10099-74-8	W05057	1987	Katti SR, Sathyanesan AG. 1987. Lead nitrate induced changes in the thyroid physiology of the catfish Clarias batrachus (L.). Ecotoxicology & Environmental Safety 13(1):1-6.	**20110616**
cadmium chloride		10108-64-2	H06396	1989	Bhattacharya T, Bhattacharya S, Ray AK, Dey S. 1989. Influence of industrial pollutants on thyroid function in Channa punctatus (Bloch). Indian J Exp Biol 27(1):65-68.	**20110505**
cadmium chloride		10108-64-2	H22655	1975	Nordberg GF. 1975. Effects on long-term cadmium exposure on the seminal vesicles of mice. J Reprod Fertil 45(1):165-167.	**20110616**
cadmium chloride		10108-64-2	H00704	1988	Shrivastava VK, Sathyanesan AG. 1988. Effect of cadmium chloride on thyroid activity of the female Indian Palmsquirrel, Funambulus pennati (Wroughton). Bull Environ Contam Toxicol 40(2):268-272.	**20110616**
cadmium chloride		10108-64-2	H09970	2000	Stoica A, Katzenellenbogen BS, Martin MB. 2000. Activation of estrogen receptor-alpha by the heavy metal cadmium. Mol Endocrinol 14(4):545-553.	**20110616**
cadmium chloride		10108-64-2	H13501	2003	Johnson MD, Kenney N, Stoica A, Hilakivi-Clarke L, Singh B, Chepko G, Clarke R, Sholler PF, Lirio AA, Foss C, Reiter R, Trock B, Paik S, Martin MB. 2003. Cadmium mimics the in vivo effects of estrogen in the uterus and mammary gland. Nat Med 9(8):1081-108	**20110616**
cadmium chloride		10108-64-2	H23321	1990	Simons SS Jr, Chakraborti PK, Cavanaugh AH. 1990. Arsenite and cadmium(II) as probes of glucocorticoid receptor structure and function. J Biol Chem 265(4):1938-1945.	**20110705**
diphenyltin	DPT	1011-95-6	H16880	2005	Atanasov AG, Nashev LG, Tan S, Baker ME, Odermatt A. 2005. Organotins disrupt the 11<beta>-hydroxysteroid dehydrogenase type 2-dependent local inactivation of glucocorticoids. Environ Health Perspect 113(11):1600-1606.	**20110616**
triclocarban	TCC; 3,4,4'-trichlorocarbanilide; N-(chloro)-N'-(3,4-dichloro)-phenylurea (CDCPU)	101-20-2	H22146	2008	Ahn KC, Zhao B, Chen J, Cherednichenko G, Sanmarti E, Denison MS, Lasley B, Pessah IN, Kultz D, Chang DPY, Gee SJ, Hammock BD. 2008. In vitro biologic activities of the antimicrobials triclocarban, its analogs, and triclosan in bioassay screens: Receptor-based bioassay screens. Environ Health Perspect 116(9):1203-1210.	**20110505**

chlorpropham		101-21-3	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
chlorpropham		101-21-3	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
4-benzylphenol	p-benzylphenol; benzophenone-7 (BP-7); 4-(phenylmethyl)phenol; phenyl-4-hydroxyphenylmethane; 1-(phenyl)-1-(p-hydroxyphenyl)methane	101-53-1	H11750	2001	Hashimoto Y, Moriguchi Y, Oshima H, Kawaguchi M, Miyazaki K, Nakamura M. 2001. Measurement of estrogenic activity of chemicals for the development of new dental polymers. Toxicol in Vitro 15(4-5):421-425.	**20110505**
4-benzylphenol	p-benzylphenol; benzophenone-7 (BP-7); 4-(phenylmethyl)phenol; phenyl-4-hydroxyphenylmethane; 1-(phenyl)-1-(p-hydroxyphenyl)methane	101-53-1	H15217	2003	Kitamura S, Sanoh S, Kohta R, Suzuki T, Sugihara K, Fujimoto N, Ohta S. 2003. Metabolic activation of proestrogenic diphenyl and related compounds by rat liver microsomes. Journal of Health Science 49(4):298-310.	**20110505**
4-benzylphenol	p-benzylphenol; benzophenone-7 (BP-7); 4-(phenylmethyl)phenol; phenyl-4-hydroxyphenylmethane; 1-(phenyl)-1-(p-hydroxyphenyl)methane	101-53-1	H16357	2003	Yamasaki K, Takeyoshi M, Sawaki M, Imatanaka N, Shinoda K, Takatsuki M. 2003. Immature rat uterotrophic assay of 18 chemicals and Hershberger assay of 30 chemicals. Toxicology 183(1-3):93-115.	**20110505**

4-benzylphenol	p-benzylphenol; benzophenone-7 (BP-7); 4-(phenylmethyl)phenol; phenyl-4-hydroxyphenylmethane; 1-(phenyl)-1-(p-hydroxyphenyl)methane	101-53-1	H18228	2003	Yamasaki K, Takeyoshi M, Yakabe Y, Sawaki M, Takatsuki M. 2003. Comparison of the reporter gene assay for ERalpha antagonists with the immature rat uterotrophic assay of 10 chemicals. Toxicol Lett 142(1-2): 119-131.	**20110505**
4-benzylphenol	p-benzylphenol; benzophenone-7 (BP-7); 4-(phenylmethyl)phenol; phenyl-4-hydroxyphenylmethane; 1-(phenyl)-1-(p-hydroxyphenyl)methane	101-53-1	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
heptachlor epoxide		1024-57-3	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
heptachlor epoxide		1024-57-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
endosulfan sulfate		1031-07-8	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
endosulfan sulfate		1031-07-8	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
endosulfan sulfate		1031-07-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
8-hydroxy-2,3,4-trichlorodibenzofuran	8-OH-2,3,4-TriCDF	103124-63-6	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
N-benzyl-4-hydroxyaniline	4-N-benzylaminophenol	103-14-0	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

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4-benzyloxyphenol		103-16-2	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-benzyloxyphenol		103-16-2	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
di-(2-ethylhexyl) adipate	DEHA; bis(2-ethylhexyl)adipate	103-23-1	H07696	1975	Singh AR, Lawrence WH, Autian J. 1975. Dominant lethal mutations and antifertility effects of di-2-ethylhexyl adipate and diethyl adipate in male mice. Toxicol Appl Pharmacol 32(3):566-576.	**20110505**
di-(2-ethylhexyl) adipate	DEHA; bis(2-ethylhexyl)adipate	103-23-1	H04450	1995	Jobling S, Reynolds T, White R, Parker MG, Sumpter JP. 1995. A variety of environmentally persistent chemicals, including some phthalate plasticizers, are weakly estrogenic. Environ Health Perspect 103(6):582-587.	**20110505**
1,2,3,4,6,7-hexachloronaphthalene		103426-96-6	H10288	2000	Omura M, Masuda Y, Hirata M, Tanaka A, Makita Y, Ogata R, Inoue N. 2000. Onset of spermatogenesis is accelerated by gestational administration of 1,2,3,4,6,7-hexachlorinated naphthalene in male rat offspring. Environ Health Perspect 108(6):539-544.	**20110505**
oxine-copper		10380-28-6	H24212	2003	Fujita K, Nagaoka M, Komatsu Y, Iwahashi H. 2003. Yeast pheromone signaling pathway as a bioassay to assess the effect of chemicals on mammalian peptide hormones. Ecotoxicol Environ Saf 56(3):358-366.	**20110505**
3'-methylsulfonyl-2,2',3,4,5,5'-hexachlorobiphenyl	3'-MeSO2-PCB-141	104086-18-2	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
4-nonylphenol	p-nonylphenol	104-40-5	H00798	1991	Soto AM, Justicia H, Wray JW, Sonnenschein C. 1991. p-Nonyl-phenol: An estrogenic xenobiotic released from "modified" polystyrene. Environ Health Perspect 92:167-173.	**20110505**
4-nonylphenol	p-nonylphenol	104-40-5	H22693	1996	Tran DQ, Klotz DM, Ladlie BL, Ide CF, McLachlan JA, Arnold SF. 1996. Inhibition of progesterone receptor activity in yeast by synthetic chemicals. Biochem Biophys Res Commun 229(2):518-523.	**20110505**
4-nonylphenol	p-nonylphenol	104-40-5	W03323	1996	Jobling S, Sheahan D, Osborne JA, Matthiessen P, Sumpter JP. 1996. Inhibition of testicular growth in rainbow trout (Oncorhynchus mykiss) exposed to estrogenic alkylphenolic chemicals. Environ Toxicol Chem 15(2):194-202.	**20110505**
4-nonylphenol	p-nonylphenol	104-40-5	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
4-nonylphenol	p-nonylphenol	104-40-5	H24881	2010	Matsunaga H, Mizota K, Uchida H, Uchida T, Ueda H. 2010. Endocrine disrupting chemicals bind to a novel receptor, microtubule-associated protein 2, and positively and negatively regulate dendritic outgrowth in hippocampal neurons. J Neurochem 114(5):1333-1343.	**20110505**

4-dodecylphenol	p-dodecylphenol	104-43-8	H24998	1998	Wetzel CH, Hermann B, Behl C, Pestel E, Rammes G, Zieglgansberger W, Holsboer F, Rupprecht R. 1998. Functional antagonism of gonadal steroids at the 5-hydroxytryptamine type 3 receptor. Mol Endocrinol 12(9):1441-1451.	**20110505**
4-dodecylphenol	p-dodecylphenol	104-43-8	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
n-butylbenzene		104-51-8	H04450	1995	Jobling S, Reynolds T, White R, Parker MG, Sumpter JP. 1995. A variety of environmentally persistent chemicals, including some phthalate plasticizers, are weakly estrogenic. Environ Health Perspect 103(6):582-587.	**20110505**
resmethrin		10453-86-8	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
2-bromodibenzo-p-dioxin	2-MBDD	105906-36-3	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
carbendazim (also a benomyl metabolite)		10605-21-7	H07489	1989	Goldman JM, Rehnberg GL, Cooper RL, Gray LE, Hein JF, McElroy WK. 1989. Effects of the benomyl metabolite, carbendazim, on the hypothalamic-pituitary reproductive axis in the male rat. Toxicology 57(2):173-182.	**20110505**
carbendazim (also a benomyl metabolite)		10605-21-7	H06600	1997	Lim J, Miller MG. 1997. Role of testis exposure levels in the insensitivity of prepubertal rats to carbendazim-induced testicular toxicity. Fundam Appl Toxicol 37(2):158-167.	**20110505**
4-bromophenol		106-41-2	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
p-cresol	4-methylphenol	106-44-5	H24305	1994	Thompson DC, Perera K, Fisher R, Brendel K. 1994. Cresol isomers: comparison of toxic potency in rat liver slices. Toxicol Appl Pharmacol 125(1): 51-58.	**20110505**
p-cresol	4-methylphenol	106-44-5	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
p-cresol	4-methylphenol	106-44-5	H24294	2002	Nakamura M, Yamazaki I, Kotani T, Ohtaki S. 1989. Thyroglobulin-mediated one- and two-electron oxidations of glutathione and ascorbate in thyroid peroxidase systems. J Biol Chem 264(22):12909-12913.	**20110505**
p-cresol	4-methylphenol	106-44-5	H24349	2009	Kawakami K, Makino I, Kato I, Uchida K, Onoue M. 2009. p-Cresol inhibits IL-12 production by murine macrophages stimulated with bacterial immunostimulant. Immunopharmacol Immunotoxicol 31(2):304-309.	**20110505**
4-chlorophenol		106-48-9	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**

epichlorohydrin	1-chloro-2,3-epoxypropane	106-89-8	H22563	1974	Cooper ERA, Jones AR, Jackson H. 1974. Effects of alpha-chlorohydrin and related compounds on the reproductive organs and fertility of the male rat. J Reprod Fertil 38(2):379-386.	**20110505**
epichlorohydrin	1-chloro-2,3-epoxypropane	106-89-8	H22614	1983	John JA, Quast JF, Murray FJ, Calhoun LG, Staples RE. 1983. Inhalation toxicity of epichlorohydrin: effects on fertility in rats and rabbits. Toxicol Appl Pharmacol 68(3):415-423.	**20110505**
epichlorohydrin	1-chloro-2,3-epoxypropane	106-89-8	H08226	1983	Kluwe WM, Gupta BN, Lamb JC 4th. 1983. The comparative effects of 1,2-dibromo-3-chloropropane (DBCP) and its metabolites, 3-chloro-1,2-propaneoxide (epichlorohydrin), 3-chloro-1,2- propanediol (alphachlorohydrin), and oxalic acid, on the urogenital system of male rats. Toxicol Appl Pharmacol 70(1):67-86.	**20110505**
epichlorohydrin	1-chloro-2,3-epoxypropane	106-89-8	H08259	1989	Toth GP, Zenick H, Smith MK. 1989. Effects of epichlorohydrin on male and female reproduction in Long- Evans rats. Fundam Appl Toxicol 13(1):16-25.	**20110505**
epichlorohydrin	1-chloro-2,3-epoxypropane	106-89-8	H08256	1990	Slott VL, Suarez JD, Simmons JE, Perreault SD. 1990. Acute inhalation exposure to epichlorohydrin transiently decreases rat sperm velocity. Fundam Appl Toxicol 15(3):597-606.	**20110505**
ethylene dibromide	dibromoethane (EDB); 1,2-dibromoethane	106-93-4	H22673	1988	Schrader SM, Turner TW, Ratcliffe JM. 1988. The effects of ethylene dibromide on semen quality: a comparison of short-term and chronic exposure. Reprod Toxicol 2(3-4):191-198.	**20110505**
glyphosate	N-(phosphonomethyl)glycine	1071-83-6	W14936	2010	Paganelli A, Gnazzo V, Acosta H, Lopez SL, Carrasco AE. 2010. Glyphosate-Based Herbicides Produce Teratogenic Effects on Vertebrates by Impairing Retinoic Acid Signaling. Chem Res Toxicol 23(10):1586-1595.	**20110520**
glyphosate formulation	Roundup	1071-83-6 +	H15615	2005	Richard S, Moslemi S, Sipahutar H, Benachour N, Seralini GE. 2005. Differential effects of glyphosate and Roundup on human placental cells and aromatase. Environ Health Perspect 113(6):716-720.	**20110505**
ethylene glycol		107-21-1	H05989	1996	Ren L, Meldahl A, Lech JJ. 1996. Dimethyl formamide (DMFA) and ethylen glycol (EG) are estrogenic in rainbow trout. Chem Biol Interact 102(1):63-67.	**20110505**
tebuconazole		107534-96-3	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
1,2,3,7,8-pentabromodibenzofuran	1,2,3,7,8-PeBDF	107555-93-1	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
vinyl acetate		108-05-4	H06394	1983	Lijinsky W, Reuber MD. 1983. Chronic toxicity studies of vinyl acetate in Fischer rats. Toxicol Appl Pharmacol 68(1):43-53.	**20110505**
3-chlorophenol		108-43-0	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
3-chlorophenol		108-43-0	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

resorcinol	1,3-dihydroxybenzene; 1,3-benzenediol	108-46-3	H24029	1993	Alanko J, Riutta A, Mucha I, Vapaatalo H, Metsa-Ketela T. 1993. Modulation of arachidonic acid metabolism by phenols: relation to positions of hydroxyl groups and peroxyl radical scavenging properties. Free Radic Biol Med 14(1): 19-25.	**20110505**
resorcinol	1,3-dihydroxybenzene; 1,3-benzenediol	108-46-3	H24036	1994	Divi RL, Doerge DR. 1994. Mechanism-based inactivation of lactoperoxidase and thyroid peroxidase by resorcinol derivatives. Biochemistry (Mosc) 33(32): 9668-9674.	**20110505**
resorcinol	1,3-dihydroxybenzene; 1,3-benzenediol	108-46-3	H24028	1999	Aiston S, Agius L. 1999. Leptin enhances glycogen storage in hepatocytes by inhibition of phosphorylase and exerts an additive effect with insulin. Diabetes 48(1):15-20.	**20110505**
resorcinol	1,3-dihydroxybenzene; 1,3-benzenediol	108-46-3	H24039	2008	Welsch F, Nemec MD, Lawrence WB. 2008. Two-generation reproductive toxicity study of resorcinol administered via drinking water to Crl:CD(SD) Rats. Int J Toxicol 27(1):43-57.	**20110505**
resorcinol	1,3-dihydroxybenzene; 1,3-benzenediol	108-46-3	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110630**
phloroglucinol	1,3,5-trihydroxybenzene	108-73-6	H06275	1952	Arnott DG, Doniach I. 1952. The effect of compounds allied to resorcinol upon the uptake of radioactive iodine by the thyroid of the rat. Biochem J 50(4): 473-479.	**20110505**
phloroglucinol	1,3,5-trihydroxybenzene	108-73-6	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
melamine (cyromazine metabolite)		108-78-1	H26462	2011	Wang Y, Liu F, Wei Y, Liu D. 2011. The effect of exogenous melamine on rat hippocampal neurons. Toxicol Ind Health 27(6):571-576.	**20111007**
toluene		108-88-3	H08652	1994	Brown-Woodman PD, Webster WS, Picker K, Huq F. 1994. In vitro assessment of individual and interactive effects of aromatic hydrocarbons on embryonic development of the rat. Reprod Toxicol 8(2):121-135.	**20110505**
toluene		108-88-3	H07692	1996	Ono A, Sekita K, Ogawa Y, Hirose A, Suzuki S, Saito M, Naito K, Kaneko T, Furuya T, Kawashima K, Yasuhara K, Matsumoto K, Tanaka S, Inoue T, Kurokawa Y. 1996. Reproductive and developmental toxicity studies of toluene. II. Effects of inhalation exposure on fertility in rats. Journal of Environmental Pathology, Toxicology & Oncology 15(1):9-20.	**20110505**
phenol		108-95-2	H06222	1976	De SN, Bhattacharya S. 1976. Effect of some industrial pollutants on fish thyroid peroxidase activity and role of cytochrome C thereon. Indian J Exp Biol 14(5):561-563.	**20110505**
phenol		108-95-2	H06396	1989	Bhattacharya T, Bhattacharya S, Ray AK, Dey S. 1989. Influence of industrial pollutants on thyroid function in Channa punctatus (Bloch). Indian J Exp Biol 27(1):65-68.	**20110505**
3-hydroxypyridine	3-pyridinol	109-00-2	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**

1,3,7,9-tetrabromodibenzo-p-dioxin	1,3,7,9-TBDD; 2,4,6,8-tetrabromodibenzo-p-dioxin	109333-30-4	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
1,3,7,8-tetrabromodibenzo-p-dioxin	1,3,7,8-TBDD	109333-31-5	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
1,3,7,8-tetrabromodibenzo-p-dioxin	1,3,7,8-TBDD	109333-31-5	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
2,8-dibromo-3,7-dichloro-dibenzo-p-dioxin	2,8-dichloro-3,7-dibromodibenzodioxin	109333-32-6	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
2-bromo-3,7,8-trichlorodibenzo-p-dioxin	2,3,7-trichloro-8-bromodibenzodioxin	109333-33-7	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
2-bromo-3,7,8-trichlorodibenzo-p-dioxin	2,3,7-trichloro-8-bromodibenzodioxin	109333-33-7	H22674	1991	Schulz-Schalge T, Koch E, Schwind KH, Hutzinger O, Neubert D. 1991b. Inductive potency of TCDD, TBDD and three 2,3,7,8-mixed-halogenated dioxins in liver microsomes of male rats. Enzyme kinetic considerations. Chemosphere 23(11-12):1925-1931.	**20110505**
2-bromo-3,7,8-trichloro-dibenzo-p-dioxin	2,3,7-trichloro-8-bromodibenzodioxin	109333-33-7	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
1,2,3,7,8-pentabromodibenzo-p-dioxin	1,2,3,7,8-PeBDD	109333-34-8	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
1,2,4,7,8-pentabromodibenzo-p-dioxin	1,2,4,7,8-PeBDD	109333-35-9	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
ethylene glycol monomethyl ether	EGME; 2-methoxyethanol; 2-ME	109-86-4	H17660	1984	Nagano K, Nakayama E, Oobayashi H, Nishizawa T, Okuda H, Yamazaki K. 1984. Experimental studies on toxicity of ethylene glycol alkyl ethers in Japan. Environ Health Perspect 57:75-84.	**20110505**
ethylene glycol monomethyl ether	EGME; 2-methoxyethanol; 2-ME	109-86-4	H07985	1985	Creasy DM, Flynn JC, Gray TJ, Butler WH. 1985. A quantitative study of stage specific spermatocyte damage following administration of ethylene glycol monomethyl ether in the rat. Experimental & Molecular Pathology 43(3): 321-336.	**20110505**

ethylene glycol monomethyl ether	EGME; 2-methoxyethanol; 2-ME	109-86-4	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
2,5-hexanedione		110-13-4	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
dimethomorph		110488-70-5	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
n-hexane		110-54-3	H08693	1989	Nylén P, Ebendal T, Eriksdotter-Nilsson M, Hansson T, Henschen A, Johnson AC, Kronevi T, Kvist U, Sjöstrand NO, Höglund G, Olson L. 1989. Testicular atrophy and loss of nerve growth factor-immunoreactive germ cell line in rats exposed to n-hexane and a protective effect of simultaneous exposure to toluene or xylene. Arch Toxicol 63(4):296-307.	**20110505**
Aroclor 1260	Clophen A60	11096-82-5	H06323	1974	Hurst JG, Newcomer WS, Morrison JA. 1974. Some effects of DDT, Toxaphene and Polychlorinated Biphenyl on thyroid function in Bobwhite Quail. Poult Sci 53(1):125-133.	**20110505**
Aroclor 1254		11097-69-1	H05766	1994	Hornhardt S, Jenke HS, Michel G. 1994. Polychlorinated biphenyls modulate protooncogene expression in Chang liver cells. FEBS Lett 339(1-2):185-188.	**20110505**
Aroclor 1254		11097-69-1	H09564	2000	Zoeller RT, Dowling AL, Vas AA. 2000. Developmental exposure to polychlorinated biphenyls exerts thyroid hormone-like effects on the expression of RC3/neurogranin and myelin basic protein messenger ribonucleic acids in the developing rat brain. Endocrinology 141(1):181-189.	**20110505**
Aroclor 1254		11097-69-1	H12546	2002	Portigal CL, Cowell SP, Fedoruk MN, Butler CM, Rennie PS, Nelson CC. 2002. Polychlorinated biphenyls interfere with androgen-induced transcriptional activation and hormone binding. Toxicol Appl Pharmacol 179(3):185-194.	**20110505**
1,2,3,4,7,8-hexabromodibenzo-p-dioxin	1,2,3,4,7,8-HxBDD	110999-44-5	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
Aroclor 1221		11104-28-2	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
4-cyclohexylphenol		1131-60-8	H16357	2003	Yamasaki K, Takeyoshi M, Sawaki M, Imatanaka N, Shinoda K, Takatsuki M. 2003. Immature rat uterotrophic assay of 18 chemicals and Hershberger assay of 30 chemicals. Toxicology 183(1-3):93-115.	**20110505**
4-cyclohexylphenol		1131-60-8	H17834	2006	Ogawa Y, Kawamura Y, Wakui C, Mutsuga M, Nishimura T, Tanamoto K. 2006. Estrogenic activities of chemicals related to food contact plastics and rubbers tested by the yeast two-hybrid assay. Food Additives & Contaminants 23(4):422-430.	**20110505**

4-cyclohexylphenol		1131-60-8	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
ferulic acid		1135-24-6	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
4-aminobenzophenone		1137-41-3	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
4-hydroxybenzophenone		1137-42-4	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-hydroxybenzophenone		1137-42-4	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
4-hydroxybenzophenone		1137-42-4	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
4-hydroxy-3,5-dichlorobiphenyl	4-OH-PCB-14	1137-59-3	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
4-hydroxy-3,5-dichlorobiphenyl	4-OH-PCB-14	1137-59-3	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
propoxur	baygon; PHC (Japan); arprocarb (UK)	114-26-1	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
propoxur	PHC (Japan); arprocarb (UK)	114-26-1	H23565	2004	Schmuck G, Mihail F. 2004. Effects of the carbamates fenoxycarb, propamocarb and propoxur on energy supply, glucose utilization and SH-groups in neurons. Arch Toxicol 78(6):330-337.	**20110711**
fenbuconazole		114369-43-6	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
fenbuconazole		114369-43-6	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**

methylmercuric chloride (methylmercury)		115-09-3	H22626	1975	Lee IP, Dixon RL. 1975. Effects of mercury on spermatogenesis studied by velocity sedimentation cell separation and serial mating. J Pharmacol Exp Ther 194(1):171-181.	**20110616**
methylmercuric chloride (methylmercury)		115-09-3	H06387	1980	Kawada J, Nishida M, Yoshimura Y, Mitani K. 1980. Effects of organic and inorganic mercurials on thyroidal functions. Journal of Pharmacobiodynamics 3(3):149-159.	**20110616**
methylmercuric chloride (methylmercury)		115-09-3	W14766	1991	Wester PW. 1991. Histopathological effects of environmental pollutants <beta>-HCH and methyl mercury on reproductive organs in freshwater fish. Comp Biochem Physiol C 100(1-2):237-239.	**20110616**
methylmercuric chloride (methylmercury)		115-09-3	W03742	1996	Bleau H, Daniel C, Chevalier G, van Tra H, Hontela A. 1996. Effects of acute exposure to mercury chloride and methylmercury on plasma cortisol, T3, T4, glucose and liver glycogen in rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology 34(3):221-235.	**20110616**
trichloroethanol	TCOH	115-20-8	H07897	1992	Cosby NC, Dukelow WR. 1992. Toxicology of maternally ingested trichloroethylene (TCE) on embryonal and fetal development in mice and of TCE metabolites on in vitro fertilization. Fundam Appl Toxicol 19(2):268-274.	**20110505**
endosulfan		115-29-7	H08376	1986	Banerjee BD, Hussain QZ. 1986. Effect of sub-chronic endosulfan exposure on humoral and cell-mediated immune responses in albino rats. Arch Toxicol 59(4):279-284.	**20110505**
endosulfan		115-29-7	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
endosulfan		115-29-7	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
dicofol	kelthane; 1,1,1-trichloro-2,2-bis(chlorophenyl)ethanol	115-32-2	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
dicofol	kelthane; 1,1,1-trichloro-2,2-bis(chlorophenyl)ethanol	115-32-2	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
dicofol	kelthane; 1,1,1-trichloro-2,2-bis(chlorophenyl)ethanol	115-32-2	H10159	2000	Vinggaard AM, Hnida C, Breinholt V, Larsen JC. 2000. Screening of selected pesticides for inhibition of CYP19 aromatase activity in vitro. Toxicol in Vitro 14(3):227-234.	**20110505**
dicofol	kelthane; 1,1,1-trichloro-2,2-bis(chlorophenyl)ethanol	115-32-2	H24180	2003	Ishihara A, Sawatsubashi S, Yamauchi K. 2003. Endocrine disrupting chemicals: interference of thyroid hormone binding to transthyretins and to thyroid hormone receptors. Mol Cell Endocrinol 199(1-2):105-117.	**20110505**

dicofol	kelthane; 1,1,1-trichloro-2,2-bis(chlorophenyl)ethanol	115-32-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bis(4-hydroxyphenyl)[(2-phenoxysulfonyl)phenyl]methane	phenol red impurity	115481-73-7	H24999	1988	Bindal RD, Katzenellenbogen JA. 1988. Bis(4-hydroxyphenyl)[2-(phenoxysulfonyl)phenyl]methane - isolation and structure elucidation of a novel estrogen from commercial preparations of phenol red (phenolsulfonphthalein). J Med Chem 31(10):1978-1983.	**20110505**
triphenyl phosphate	TPP	115-86-6	H23670	2009	Morisseau C, Merzlikin O, Lin A, He G, Feng W, Padilla I, Denison MS, Pessah IN, Hammock BD. 2009. Toxicology in the fast lane: application of high-throughput bioassays to detect modulation of key enzymes and receptors. Environ Health Perspect 117(12):1867-1872.	**20110505**
aldicarb		116-06-3	H07959	1992	Hajoui O, Flipo D, Mansour S, Fournier M, Krzystyniak K. 1992. Immunotoxicity of subchronic versus chronic exposure to aldicarb in mice. Int J Immunopharmacol 14(7):1203-1211.	**20110505**
aldicarb		116-06-3	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
aldicarb		116-06-3	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
aldicarb		116-06-3	H23751	2003	Smulders CJ, Bueters TJ, Van Kleef RG, Vijverberg HP. 2003. Selective effects of carbamate pesticides on rat neuronal nicotinic acetylcholine receptors and rat brain acetylcholinesterase. Toxicol Appl Pharmacol 193(2): 139-146.	**20110505**
aldicarb		116-06-3	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
4-methylsulfonyl-2,2',3,4',5',6-hexachlorobiphenyl	4-MeSO2-PCB-149	116806-76-9	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
3'-methylsulfonyl-2,2',4,5'-tetrachlorobiphenyl	3'-MeSO2-PCB-49	116807-52-4	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
1,8-dihydroxyanthraquinone		117-10-2	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**

quercetin		117-39-5	H08093	1998	Kuiper GGJM, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg P, Gustafsson JA. 1998. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. Endocrinology 139(10): 4252-4263.	**20110505**
quercetin		117-39-5	W14391	2001	Oberdörster E, Clay MA, Cottam DM, Wilmot FA, Mclachlan JA, Milner MJ. 2001. Common phytochemicals are ecdysteroid agonists and antagonists: a possible evolutionary link between vertebrate and invertebrate steroid hormones. Journal of Steroid Biochemistry & Molecular Biology 77(4-5): 229-238.	**20110505**
thiazopyr		117718-60-2	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
dichlone		117-80-6	W10277	1976	Anderson RJ, Prahlad KV. 1976. The deleterious effects of fungicides and herbicides on Xenopus laevis embryos. Arch Environ Contam Toxicol 4(3): 312-323.	**20110505**
dichlone		117-80-6	H23670	2009	Morisseau C, Merzlikin O, Lin A, He G, Feng W, Padilla I, Denison MS, Pessah IN, Hammock BD. 2009. Toxicology in the fast lane: application of high-throughput bioassays to detect modulation of key enzymes and receptors. Environ Health Perspect 117(12):1867-1872.	**20110505**
di(2-ethylhexyl)phthalate	DEHP; bis(2-ethylhexyl)phthalate; phthalic acid di-(2-ethyl-hexyl) ester	117-81-7	H19630	1997	Poon R, Lecavalier P, Mueller R, Valli VE, Procter BG, Chu I. 1997. Subchronic oral toxicity of di-n-octyl phthalate and di(2-ethylhexyl) phthalate in the rat. Food & Chemical Toxicology 35(2):225-239.	**20110715**
di(2-ethylhexyl)phthalate	DEHP; bis(2-ethylhexyl)phthalate; phthalic acid di-(2-ethyl-hexyl) ester	117-81-7	H09087	1999	Gray LE Jr., Wolf C, Lambright C, Mann P, Price M, Cooper RL, Ostby J. 1999. Administration of potentially antiandrogenic pesticides (procymidone, linuron, iprodione, chlozolinate, p,p'-DDE, and ketoconazole) and toxic substances (dibutyl- and diethylhexyl phthalate, PCB 169, and ethane dimethane sulphonate) during sexual differentiation produces diverse profiles of reproductive malformations in the male rat. Toxicol Ind Health 15(1-2):94-118.	**20110715**
di(2-ethylhexyl)phthalate	DEHP; bis(2-ethylhexyl)phthalate; phthalic acid di-(2-ethyl-hexyl) ester	117-81-7	H24180	2003	Ishihara A, Sawatsubashi S, Yamauchi K. 2003. Endocrine disrupting chemicals: interference of thyroid hormone binding to transthyretins and to thyroid hormone receptors. Mol Cell Endocrinol 199(1-2):105-117.	**20110715**
di(2-ethylhexyl)phthalate	DEHP; bis(2-ethylhexyl)phthalate; phthalic acid di-(2-ethyl-hexyl) ester	117-81-7	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
di(2-ethylhexyl)phthalate	DEHP; bis(2-ethylhexyl)phthalate; phthalic acid di-(2-ethyl-hexyl) ester	117-81-7	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**

dioctyl phthalate	DOP; di-n-octylphthalate (DnOP)	117-84-0	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110715**
6-methyl-1,3,8-trichlorodibenzofuran	MCDF	118174-38-2	H22536	1988	Astroff B, Safe S. 1988. Comparative antiestrogenic activities of 2,3,7,8-tetrachlorodibenzo-p-dioxin and 6-methyl-1,3,8-trichlorodibenzofuran in the female rat. Toxicol Appl Pharmacol 95(3):435-443.	**20110505**
6-methyl-1,3,8-trichlorodibenzofuran	MCDF	118174-38-2	H22538	1991	Astroff B, Eldridge B, Safe S. 1991. Inhibition of the 17 beta-estradiol-induced and constitutive expression of the cellular protooncogene c-fos by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the female rat uterus. Toxicol Lett 56(3): 305-315.	**20110505**
6-methyl-1,3,8-trichlorodibenzofuran	MCDF	118174-38-2	H22707	1992	Zacharewski T, Harris M, Biegel L, Morrison V, Merchant M, Safe S. 1992. 6-Methyl-1,3,8-trichlorodibenzofuran (MCDF) as an antiestrogen in human and rodent cancer cell lines: evidence for the role of the Ah receptor. Toxicol Appl Pharmacol 113(2):311-318.	**20110505**
6-methyl-1,3,8-trichlorodibenzofuran	MCDF	118174-38-2	H07250	1994	Harper N, Wang X, Liu H, Safe S. 1994. Inhibition of estrogen-induced progesterone receptor in MCF-7 human breast cancer cells by aryl hydrocarbon (Ah) receptor agonists. Molecular & Cellular Endocrinology 104(1):47-55.	**20110505**
phenyl salicylate		118-55-8	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**
homosalate		118-56-9	H11055	2001	Schlumpf M, Cotton B, Conscience M, Haller V, Steinmann B, Lichtensteiger W. 2001. In vitro and in vivo estrogenicity of UV screens. Environ Health Perspect 109(3):239-244.	**20110505**
hexachlorobenzene	HCB	118-74-1	H01175	1987	Smith AG, Dinsdale D, Cabral JRP, Wright AL. 1987. Goiter and wasting induced in hamsters by hexachlorobenzene. Arch Toxicol 60(5):343-349.	**20110505**
hexachlorobenzene	HCB	118-74-1	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
hexachlorobenzene	HCB	118-74-1	H06183	1993	Visser TJ, Kaptein E, van Toor H, van Raaij JAGM, van den Berg KJ, Joe CTT, van Engelen JGM, Brouwer A. 1993. Glucuronidation of thyroid hormone in rat liver: Effects of in vivo treatment with microsomal enzyme inducers and in vitro assay conditions. Endocrinology 133(5):2177-2186.	**20110505**
chloranil	1,4-tetrachlorobenzoquinone; 2,3,5,6-tetrachlorobenzoquinone	118-75-2	W10277	1976	Anderson RJ, Prahlad KV. 1976. The deleterious effects of fungicides and herbicides on Xenopus laevis embryos. Arch Environ Contam Toxicol 4(3): 312-323.	**20110505**
2,4,6-tribromophenol		118-79-6	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**

trinitrotoluene		118-96-7	H07983	1984	Levine BS, Furedi EM, Gordon DE, Lish PM, Barkley JJ. 1984. Subchronic toxicity of trinitrotoluene in Fischer 344 rats. Toxicology 32(3):253-265.	**20110505**
trinitrotoluene		118-96-7	H07937	1993	Li Y, Jiang Q-G, Yao S-Q, Liu W, Tian G-J, Cui J-W. 1993. Effects of exposure to trinitrotoluene on male reproduction. Biomedical & Environmental Sciences 6:154-160.	**20110505**
vinclozolin metabolite M1	2-(((3,5-dichlorophenyl)carbamoyl)oxy)-2-methyl-3-butenoic acid	119209-27-7	H04161	1995	Wong CI, Kelce WR, Sar M, Wilson EM. 1995. Androgen receptor antagonist versus agonist activities of the fungicide vinclozolin relative to hydroxyflutamide. J Biol Chem 270(34):19998-20003.	**20110505**
vinclozolin metabolite M1	2-(((3,5-dichlorophenyl)carbamoyl)oxy)-2-methyl-3-butenoic acid	119209-27-7	H05489	1996	Laws SC, Carey SA, Kelce WR, Cooper RL, Gray LE. 1996. Vinclozolin does not alter progesterone receptor (PR) function in vivo despite inhibition of PR binding by its metabolites in vitro. Toxicology 112(3):173-182.	**20110505**
difenoconazole		119446-68-3	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
benzophenone		119-61-9	H04450	1995	Jobling S, Reynolds T, White R, Parker MG, Sumpter JP. 1995. A variety of environmentally persistent chemicals, including some phthalate plasticizers, are weakly estrogenic. Environ Health Perspect 103(6):582-587.	**20110505**
benzophenone		119-61-9	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
fipronil		120068-37-3	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
fipronil		120068-37-3	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
anthracene		120-12-7	H07027	1991	Hall AT, Oris JT. 1991. Anthracene reduces reproductive potential and is maternally transferred during long-term exposure in fathead minnows. Aquatic Toxicology 19(3):249-264.	**20110505**
4-(diethylamino)benzaldehyde		120-21-8	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
dichlorprop	2-(2,4-dichlorophenoxy)propionic acid	120-36-5	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

ethyl paraben	ethyl-p-hydroxybenzoate; ethyl-4-hydroxybenzoate	120-47-8	H23955	1989	Song BL, Li HY, Peng DR. 1989. In vitro spermicidal activity of parabens against human spermatozoa. Contraception 39(3):331-335.	**20110505**
ethyl paraben	ethyl-p-hydroxybenzoate; ethyl-4-hydroxybenzoate	120-47-8	H12868	2002	Byford JR, Shaw LE, Drew MG, Pope GS, Sauer MJ, Darbre PD. 2002. Oestrogenic activity of parabens in MCF7 human breast cancer cells. Journal of Steroid Biochemistry & Molecular Biology 80(1):49-60.	**20110505**
ethyl paraben	ethyl-p-hydroxybenzoate; ethyl-4-hydroxybenzoate	120-47-8	H16158	2004	Lemini C, Hernández A, Jaimez R, Franco Y, Avila ME, Castell A. 2004. Morphometric analysis of mice uteri treated with the preservatives methyl, ethyl, propyl, and butylparaben. Toxicol Ind Health 20(6-10):123-132.	**20110505**
ethyl paraben	ethyl-p-hydroxybenzoate; ethyl-4-hydroxybenzoate	120-47-8	H17725	2005	Gomez E, Pillon A, Fenet H, Rosain D, Duchesne MJ, Nicolas JC, Balaguer P, Casellas C. 2005. Estrogenic activity of cosmetic components in reporter cell lines: parabens, UV screens, and musks. J Toxicol Environ Health A 68(4): 239-251.	**20110505**
ethyl paraben	ethyl-p-hydroxybenzoate; ethyl-4-hydroxybenzoate	120-47-8	H22325	2008	Taxvig C, Vinggaard AM, Hass U, Axelstad M, Boberg J, Hansen PR, Frederiksen H, Nellemann C. 2008. Do parabens have the ability to interfere with steroidogenesis? Toxicol Sci 106(1):206-213.	**20110505**
catechol	1,2-dihydroxybenzene	120-80-9	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
2,4-dichlorophenol		120-83-2	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
2,4-dinitrotoluene		121-14-2	H07670	1988	Bloch E, Gondos B, Gatz M, Varma SK, Thysen B. 1988. Reproductive toxicity of 2,4-dinitrotoluene in the rat. Toxicol Appl Pharmacol 94(3):466-472.	**20110505**
zineb		12122-67-7	H05289	1985	Laisi A, Tuominen R, Mannisto P, Savolainen K, Mattila J. 1985. The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Archives of Toxicology Supplement 8:253-258.	**20110505**
zineb		12122-67-7	H05980	1995	Nebbia C, Dacasto M, Valenza F, Burdino E, Ugazio G, Fink-Gremmels J. 1995. Effects of the subchronic administration of zinc ethylene-bis-dithiocarbamate (ZINEB) to rabbits. Veterinary & Human Toxicology 37(2): 137-142.	**20110505**
zineb		12122-67-7	H06484	1997	Marinovich M, Guizzetti M, Ghilardi F, Viviani B, Corsini E, Galli CL. 1997. Thyroid peroxidase as toxicity target for dithiocarbamates. Arch Toxicol 71(8): 508-512.	**20110505**
zineb		12122-67-7	H24212	2003	Fujita K, Nagaoka M, Komatsu Y, Iwahashi H. 2003. Yeast pheromone signaling pathway as a bioassay to assess the effect of chemicals on mammalian peptide hormones. Ecotoxicol Environ Saf 56(3):358-366.	**20110505**

zineb		12122-67-7	H14953	2004	Hong CC, Shimomura-Shimizu M, Muroi M, Tanamoto K. 2004. Effect of endocrine disrupting chemicals on lipopolysaccharide-induced tumor necrosis factor-á and nitric oxide production by mouse macrophages. Biological & Pharmaceutical Bulletin 27(7):1136-1139.	**20110505**
cyprodinil		121552-61-2	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
malathion		121-75-5	H03126	1985	Reuber MD. 1985. Carcinogenicity and toxicity of malathion and malaoxon. Environ Res 37(1):119-153.	**20110505**
malathion		121-75-5	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
malathion		121-75-5	H08896	1993	Ozmen G, Akay MT. 1993. The effects of malathion on some hormone levels and tissues secreting these hormones in rats. Veterinary & Human Toxicology 35(1):22-24.	**20110505**
malathion		121-75-5	H18332	2006	Panahi P, Vosough-Ghanbari S, Pournourmohammadi S, Ostad SN, Nikfar S, Minaie B, Abdollahi M. 2006. Stimulatory effects of malathion on the key enzymes activities of insulin secretion in Langerhans islets, glutamate dehydrogenase and glucokinase. Toxicology Mechanisms & Methods 16(4): 161-167.	**20110505**
malathion		121-75-5	H14823	2005	Pournourmohammadi S, Farzami B, Ostad SN, Azizi E, Abdollahi M. 2005. Effects of malathion subchronic exposure on rat skeletal muscle glucose metabolism. Environmental Toxicology & Pharmacology 19(1):191-196.	**20110705**
fenitrothion	sumithion	122-14-5	H11057	2001	Tamura H, Maness SC, Reischmann K, Dorman DC, Gray LE, Gaido KW. 2001. Androgen receptor antagonism by the organophosphate insecticide fenitrothion. Toxicol Sci 60(1):56-62.	**20110505**
fenitrothion	sumithion	122-14-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
HHCB	galaxolide; 1,2,4,6,7,8-hexahydro-4,6,6,7,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**
simazine		122-34-9	H07916	1972	Didier R, Lutz-Ostertag Y. 1972. Action of simazine on the genital tract of embryos from chicken and quail in vivo. C R Seances Soc Biol Fil 166(12): 1691-1693.	**20110505**
simazine		122-34-9	H07252	1996	Tran DQ, Kow KY, McLachlan JA, Arnold SF. 1996. The inhibition of estrogen receptor-mediated responses by chloro-s-triazine-derived compounds is dependent on estradiol concentration in yeast. Biochemical & Biophysical Research Communications 227(1):140-146.	**20110505**

simazine		122-34-9	H11792	2001	Sanderson JT, Letcher RJ, Heneweer M, Giesy JP, van den Berg M. 2001. Effects of chloro-s-triazine herbicides and metabolites on aromatase activity in various human cell lines and on vitellogenin production in male carp hepatocytes. Environ Health Perspect 109(10):1027-1031.	**20110505**
simazine		122-34-9	H19760	2007	Fan WQ, Yanase T, Morinaga H, Gondo S, Okabe T, Nomura M, Komatsu T, Morohashi K-I, Hayes TB, Takayanagi R, Nawata H. 2007. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. Environ Health Perspect 115(5):720-727.	**20110505**
4-n-butoxyphenol	4-butoxyphenol	122-94-1	H05882	1992	Soto AM, Lin TM, Justicia H, Silvia RM, Sonnenschein C. 1992. An "in culture" bioassay to assess the estrogenicity of xenobiotics (E-SCREEN). In: Colborn T, Clement C, eds. Chemically Induced Alterations in Sexual and Functional Development: The Wildlife/Human Connection. Princeton, NJ: Princeton Scientific Publishing Co., Inc. p 295-309. (Mehlman MA, ed. Advances in Modern Environmental Toxicology; 21).	**20110505**
4-n-butoxyphenol	4-butoxyphenol	122-94-1	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-ethylphenol		123-07-9	H05882	1992	Soto AM, Lin TM, Justicia H, Silvia RM, Sonnenschein C. 1992. An "in culture" bioassay to assess the estrogenicity of xenobiotics (E-SCREEN). In: Colborn T, Clement C, eds. Chemically Induced Alterations in Sexual and Functional Development: The Wildlife/Human Connection. Princeton, NJ: Princeton Scientific Publishing Co., Inc. p 295-309. (Mehlman MA, ed. Advances in Modern Environmental Toxicology; 21).	**20110505**
4-ethylphenol		123-07-9	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
4-ethylphenol		123-07-9	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
hydroquinone	1,4-dihydroxybenzene	123-31-9	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
1,2,4,5-tetrachlorobenzene		12408-10-5	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
maneb		12427-38-2	H05289	1985	Laisi A, Tuominen R, Mannisto P, Savolainen K, Mattila J. 1985. The effect of maneb, zineb, and ethylenethiourea on the humoral activity of the pituitary-thyroid axis in rat. Archives of Toxicology Supplement 8:253-258.	**20110505**

maneb		12427-38-2	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
quinoxyfen		124495-18-7	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
4'-hydroxy-3,3',4-trichlorobiphenyl	4'-OH-PCB-35	124882-64-0	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
6-t-butyl-1,3,8-trichlorodibenzofuran		125652-12-2	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
6-i-propyl-1,3,8-trichlorodibenzofuran		125652-13-3	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
6-n-propyl-1,3,8-trichlorodibenzofuran		125652-14-4	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
6-ethyl-1,3,8-trichlorodibenzofuran		125652-16-6	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
diphenolic acid		126-00-1	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
Aroclor 5442		12642-23-8	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
Aroclor 1248		12672-29-6	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
fenhexamid		126833-17-8	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
chloroprene		126-99-8	H25001	1976	Sanotskii IV. 1976. Aspects of the toxicology of chloroprene: immediate and long-term effects. Environ Health Perspect 17:85-93.	**20110505**
perchloroethylene	tetrachloroethylene; PERC	127-18-4	H24060	1980	Honma T, Sudo A, Miyagawa M, Sato M, Hasegawa H. 1980. Effects of exposure to trichloroethylene and tetrachloroethylene on the contents of acetylcholine, dopamine, norepinephrine and serotonin in rat brain. Ind Health 18(4):171-178.	**20110505**

perchloroethylene	tetrachloroethylene; PERC	127-18-4	H24059	1993	Fredriksson A, Danielsson BR, Eriksson P. 1993. Altered behaviour in adult mice orally exposed to tri- and tetrachloroethylene as neonates. Toxicol Lett 66(1):13-19.	**20110505**
perchloroethylene	tetrachloroethylene; PERC	127-18-4	H24443	2005	Shafer TJ, Bushnell PJ, Benignus VA, Woodward JJ. 2005. Perturbation of voltage-sensitive Ca2+ channel function by volatile organic solvents. J Pharmacol Exp Ther 315(3):1109-1118.	**20110505**
perchloroethylene	tetrachloroethylene; PERC	127-18-4	H24057	2006	Carney EW, Thorsrud BA, Dugard PH, Zablotny CL. 2006. Developmental toxicity studies in Crl:CD (SD) rats following inhalation exposure to trichloroethylene and perchloroethylene. Birth Defects Res B Dev Reprod Toxicol 77(5):405-412.	**20110505**
1,2,3,4,7,8-hexabromodibenzofuran	1,2,3,4,7,8-HxBDF	129880-08-6	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
3-hydroxybenzophenone		13020-57-0	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
4-n-heptyloxyphenol	p-n-heptyloxyphenol; 4-heptyloxyphenol	13037-86-0	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-n-heptyloxyphenol	p-n-heptyloxyphenol; 4-heptyloxyphenol	13037-86-0	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
4,4'-dihydroxy-3,3',5,5'-tetrachlorobiphenyl	4,4'-diOH-PCB-80; 3,3',5,5'-tetrachloro-4,4'-biphenyldiol	13049-13-3	H00776	1988	Korach KS, Sarver P, Chae K, McLachlan JA, McKinney JD. 1988. Estrogen receptor-binding activity of polychlorinated hydroxybiphenyls: conformationally restricted structural probes. Mol Pharmacol 33(1):120-126.	**20110505**
4,4'-dihydroxy-3,3',5,5'-tetrachlorobiphenyl	4,4'-diOH-PCB-80; 3,3',5,5'-tetrachloro-4,4'-biphenyldiol	13049-13-3	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
4,4'-dihydroxy-3,3',5,5'-tetrachlorobiphenyl	4,4'-diOH-PCB-80; 3,3',5,5'-tetrachloro-4,4'-biphenyldiol	13049-13-3	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
4,4'-dihydroxy-3,3',5,5'-tetrachlorobiphenyl	4,4'-diOH-PCB-80; 3,3',5,5'-tetrachloro-4,4'-biphenyldiol	13049-13-3	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
cadmium telluride (quantum dots)		1306-25-8	W15438	2010	Hinther A, Vawda S, Skirrow RC, Veldhoen N, Collins P, Cullen JT, van Aggelen G, Helbing CC. 2010. Nanometals induce stress and alter thyroid hormone action in amphibia at or below North American water quality guidelines. Environ Sci Technol 44(21):8314-8321.	**20111007**

cyanofenphos		13067-93-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
4'-hydroxy-3,3',4,5,5'-pentachlorobiphenyl	4'-OH-PCB-127	130689-92-8	H07166	1998	Schuur AG, Brouwer A, Bergman A, Coughtrie MWH, Visser TJ. 1998. Inhibition of thyroid hormone sulfation by hydroxylated metabolites of polychlorinated biphenyls. Chem Biol Interact 109(1-3):293-297.	**20110505**
2,3',4',6-tetrachlorodiphenyl ether	PCDE-71 (IUPAC); PCDE-37 (unknown system)	130892-66-9	H06176	1997	Rosiak KL, Seo BW, Chu I, Francis BM. 1997. Effects of maternal exposure to chlorinated diphenyl ethers on thyroid hormone concentrations in maternal and juvenile rats. Journal of Environmental Science & Health - Part B: Pesticides, Food Contaminants, & Agricultural Wastes B32(3):377-393.	**20110505**
2,2',4,5,6'-pentachlorodiphenyl ether	PCDE-102 (IUPAC); PCDE-35 (unknown system)	130892-67-0	H06176	1997	Rosiak KL, Seo BW, Chu I, Francis BM. 1997. Effects of maternal exposure to chlorinated diphenyl ethers on thyroid hormone concentrations in maternal and juvenile rats. Journal of Environmental Science & Health - Part B: Pesticides, Food Contaminants, & Agricultural Wastes B32(3):377-393.	**20110505**
2,3,7-tribromo-8-chlorodibenzo-p-dioxin		131167-12-9	H22674	1991	Schulz-Schalge T, Koch E, Schwind KH, Hutzinger O, Neubert D. 1991b. Inductive potency of TCDD, TBDD and three 2,3,7,8-mixed-halogenated dioxins in liver microsomes of male rats. Enzyme kinetic considerations. Chemosphere 23(11-12):1925-1931.	**20110505**
dipropyl phthalate	DPrP; di-n-propyl phthalate	131-16-8	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
dipropyl phthalate	DPrP; di-n-propylphthalate	131-16-8	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**
dipentyl phthalate	DPP; DPeP; di-n-pentyl phthalate; diamyl phthalate	131-18-0	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**
dipentyl phthalate	DPP; DPeP; di-n-pentyl phthalate; diamyl phthalate	131-18-0	H25156	2011	Hannas BR, Furr J, Lambright CS, Wilson VS, Foster PM, Gray LE Jr. 2011. Dipentyl phthalate dosing during sexual differentiation disrupts fetal testis function and postnatal development of the male Sprague-Dawley rat with greater relative potency than other phthalates. Toxicol Sci 120(1):184-193.	**20110715**
fludioxonil		131341-86-1	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
2,2'-dihydroxy-4,4'-dimethoxybenzophenone	benzophenone-6	131-54-4	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
2,2'-dihydroxy-4,4'-dimethoxybenzophenone	benzophenone-6	131-54-4	H16160	2005	Morohoshi K, Yamamoto H, Kamata R, Shiraishi F, Koda T, Morita M. 2005. Estrogenic activity of 37 components of commercial sunscreen lotions evaluated by in vitro assays. Toxicol in Vitro 19(4):457-469.	**20110505**

2,2'-dihydroxy-4,4'-dimethoxybenzophenone	benzophenone-6	131-54-4	H17324	2005	Matsumoto H, Adachi S, Suzuki Y. 2005. Estrogenic activity of ultraviolet absorbers and the related compounds. Yakugaku Zasshi 125(8):643-652.	**20110505**
2,2', 4,4'tetrahydroxybenzophenone	benzophenone-2 (BP-2)	131-55-5	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
2,2', 4,4'tetrahydroxybenzophenone	benzophenone-2 (BP-2)	131-55-5	H17623	2005	Suzuki T, Kitamura S, Khota R, Sugihara K, Fujimoto N, Ohta S. 2005. Estrogenic and antiandrogenic activities of 17 benzophenone derivatives used as UV stabilizers and sunscreens. Toxicol Appl Pharmacol 203(1):9-17.	**20110505**
2,2', 4,4'tetrahydroxybenzophenone	benzophenone-2 (BP-2)	131-55-5	H18546	2005	Seidlova-Wuttke D, Jarry H, Christoffel J, Rimoldi G, Wuttke W. 2005. Effects of bisphenol-A (BPA), dibutylphtalate (DBP), benzophenone-2 (BP2), procymidone (Proc), and linurone (Lin) on fat tissue, a variety of hormones and metabolic parameters: A 3 months comparison with effects of estradiol (E2) in ovariectomized (ovx) rats. Toxicology 213(1-2):13-24.	**20110505**
2,2', 4,4'tetrahydroxybenzophenone	benzophenone-2 (BP-2)	131-55-5	H20706	2007	Schmutzler C, Bacinski A, Gotthardt I, Huhne K, Ambrugger P, Klammer H, Schlecht C, Hoang-Vu C, Gruters A, Wuttke W, Jarry H, Kohrle J. 2007. The ultraviolet filter benzophenone 2 interferes with the thyroid hormone axis in rats and is a potent in vitro inhibitor of human recombinant thyroid peroxidase. Endocrinology 148(6):2835-2844.	**20110505**
2,2', 4,4'tetrahydroxybenzophenone	benzophenone-2 (BP-2)	131-55-5	H22290	2008	Molina-Molina JM, Escande A, Pillon A, Gomez E, Pakdel F, Cavailles V, Olea N, Ait-Aissa S, Balaguer P. 2008. Profiling of benzophenone derivatives using fish and human estrogen receptor-specific in vitro bioassays. Toxicol Appl Pharmacol 232(3):384-395.	**20110505**
2,4-dihydroxybenzophenone	benzophenone-1 (BP-1); resbenzophenone	131-56-6	H12275	2002	Nakagawa Y, Suzuki T. 2002. Metabolism of 2-hydroxy-4-methoxybenzophenone in isolated rat hepatocytes and xenoestrogenic effects of its metabolites on MCF-7 human breast cancer cells. Chem Biol Interact 139(2):115-128.	**20110505**
2,4-dihydroxybenzophenone	benzophenone-1 (BP-1); resbenzophenone	131-56-6	H13864	2004	Yamasaki K, Noda S, Imatanaka N, Yakabe Y. 2004. Comparative study of the uterotrophic potency of 14 chemicals in a uterotrophic assay and their receptor-binding affinity. Toxicol Lett 146(2):111-120.	**20110505**
2,4-dihydroxybenzophenone	benzophenone-1 (BP-1); resbenzophenone	131-56-6	H18542	2004	Schlumpf M, Schmid P, Durrer S, Conscience M, Maerkel K, Henseler M, Gruetter M, Herzog I, Reolon S, Ceccatelli R, Faass O, Stutz E, Jarry H, Wuttke W, Lichtensteiger W. 2004. Endocrine activity and developmental toxicity of cosmetic UV filters - an update. Toxicology 205(1-2):113-122.	**20110505**
2,4-dihydroxybenzophenone	benzophenone-1 (BP-1); resbenzophenone	131-56-6	H17623	2005	Suzuki T, Kitamura S, Khota R, Sugihara K, Fujimoto N, Ohta S. 2005. Estrogenic and antiandrogenic activities of 17 benzophenone derivatives used as UV stabilizers and sunscreens. Toxicol Appl Pharmacol 203(1):9-17.	**20110505**
2,4-dihydroxybenzophenone	benzophenone-1 (BP-1); resbenzophenone	131-56-6	H22290	2008	Molina-Molina JM, Escande A, Pillon A, Gomez E, Pakdel F, Cavailles V, Olea N, Ait-Aissa S, Balaguer P. 2008. Profiling of benzophenone derivatives using fish and human estrogen receptor-specific in vitro bioassays. Toxicol Appl Pharmacol 232(3):384-395.	**20110505**

2-hydroxy-4-methoxy-benzophenone	benzophenone-3 (BP-3); oxybenzone	131-57-7	H11055	2001	Schlumpf M, Cotton B, Conscience M, Haller V, Steinmann B, Lichtensteiger W. 2001. In vitro and in vivo estrogenicity of UV screens. Environ Health Perspect 109(3):239-244.	**20110505**
2-hydroxy-4-methoxy-benzophenone	benzophenone-3 (BP-3); oxybenzone	131-57-7	H15221	2003	Ma RS, Cotton B, Lichtensteiger W, Schlumpf M. 2003. UV filters with antagonistic action at androgen receptors in the MDA-kb2 cell transcriptional-activation assay. Toxicol Sci 74(1):43-50.	**20110505**
2-hydroxy-4-methoxy-benzophenone	benzophenone-3 (BP-3); oxybenzone	131-57-7	H18541	2004	Schlecht C, Klammer H, Jarry H, Wuttke W. 2004. Effects of estradiol, benzophenone-2 and benzophenone-3 on the expression pattern of the estrogen receptors (ER) alpha and beta, the estrogen receptor-related receptor I (ERR1) and the aryl hydrocarbon receptor (AhR) in adult ovariectomized rats. Toxicology 205(1-2):123-130.	**20110505**
2-hydroxy-4-methoxy-benzophenone	benzophenone-3 (BP-3); oxybenzone	131-57-7	H23847	2004	Jannesson L, Birkhed D, Scherl D, Gaffar A, Renvert S. 2004. Effect of oxybenzone on PGE2-production in vitro and on plaque and gingivitis in vivo. J Clin Periodontol 31(2):91-94.	**20110505**
2-hydroxy-4-methoxy-benzophenone	benzophenone-3 (BP-3); oxybenzone	131-57-7	H18548	2005	Schreurs RH, Sonneveld E, Jansen JH, Seinen W, van der Burg B. 2005. Interaction of polycyclic musks and UV filters with the estrogen receptor (ER), androgen receptor (AR), and progesterone receptor (PR) in reporter gene bioassays. Toxicol Sci 83(2):264-272.	**20110505**
monobutyl phthalate (dibutyl phthalate metabolite)	MBP; mono-n-butyl phthalate	131-70-4	H22556	1977	Cater BR, Cook MW, Gangolli SD, Grasso P. 1977. Studies on dibutyl phthalate-induced testicular atrophy in the rat: effect on zinc metabolism. Toxicol Appl Pharmacol 41(3):609-618.	**20110715**
ADBI	celestolide; 4-acetyl-1,1-dimethyl-6-tert-butyl-indan	13171-00-1	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**
manganese tetroxide [Mn3O4)		1317-35-7	H08216	1980	Gray LE, Laskey JW. 1980. Multivariate analysis of the effects of manganese on the reproductive physiology and behavior of the male house mouse. J Toxicol Environ Health 6(4):861-867.	**20110616**
chrysophanol 8-o-beta-Dglucopyranoside		13241-28-6	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**
xylene	dimethylbenzene	1330-20-7	H08652	1994	Brown-Woodman PD, Webster WS, Picker K, Huq F. 1994. In vitro assessment of individual and interactive effects of aromatic hydrocarbons on embryonic development of the rat. Reprod Toxicol 8(2):121-135.	**20110505**
xylene	dimethylbenzene	1330-20-7	H08157	1995	Hass U, Lund SP, Simonsen L, Fries AS. 1995. Effects of prenatal exposure to xylene on postnatal development and behavior in rats. Neurotoxicol Teratol 17(3):341-349.	**20110505**
copper oxychloride		1332-40-7	H07695	1983	Shivanandappa T, Krishnakumari MK, Majumder SK. 1983. Testicular atrophy in Gallus domesticus fed acute doses of copper fungicides. Poult Sci 62(2): 405-408.	**20110505**

cobalt chloride		1332-82-7	H25206	1995	Goebeler M, Roth J, Brocker EB, Sorg C, Schulze-Osthoff K. 1995. Activation of nuclear factor-kappa B and gene expression in human endothelial cells by the common haptens nickel and cobalt. J Immunol 155(5):2459-2467.	**20110505**
3-hydroxy-benzo(a)pyrene		13345-21-6	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
epoxiconazole		133855-98-8 (formerly 106325-08-0)	H19711	2006	Trosken ER, Adamska M, Arand M, Zarn JA, Patten C, Volkel W, Lutz WK. 2006. Comparison of lanosterol-14 alpha-demethylase (CYP51) of human and Candida albicans for inhibition by different antifungal azoles. Toxicology 228(1):24-32.	**20110505**
epoxiconazole		133855-98-8 (formerly 106325-08-0)	H21202	2007	Taxvig C, Hass U, Axelstad M, Dalgaard M, Boberg J, Andeasen HR, Vinggaard AM. 2007. Endocrine-disrupting activities in vivo of the fungicides tebuconazole and epoxiconazole. Toxicol Sci 100(2):464-473.	**20110505**
epoxiconazole		133855-98-8 (formerly 106325-08-0)	H21905	2008	Taxvig C, Vinggaard AM, Hass U, Axelstad M, Metzdorff S, Nellemann C. 2008. Endocrine-disrupting properties in vivo of widely used azole fungicides. Int J Androl 31(2):170-176.	**20110505**
epoxiconazole		133855-98-8 (formerly 106325-08-0)	W14595	2008	Grote K, Niemann L, Selzsam B, Haider W, Gericke C, Herzler M, Chahoud I. 2008. Epoxiconazole causes changes in testicular histology and sperm production in the Japanese quail (Coturnix coturnix japonica). Environ Toxicol Chem 27(11):2368-2374.	**20110505**
sodium sulfide (Na2(Sx))	sulfide; sulphide	1344-08-7	H06222	1976	De SN, Bhattacharya S. 1976. Effect of some industrial pollutants on fish thyroid peroxidase activity and role of cytochrome C thereon. Indian J Exp Biol 14(5):561-563.	**20110505**
beryllium sulfate		13510-49-1	H06931	1982	Perry ST, Kulkarni SB, Lee KL, Kenney FT. 1982. Selective effect of the metallocarcinogen beryllium on hormonal regulation of gene expression in cultured cells. Cancer Res 42(2):473-476.	**20110616**
2-naphthol (naphthalene metabolite)	naphthol-2	135-19-3	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
quinalphos		13593-03-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bisphenol M	4,4'-(1,3-phenylenediisopropylidene)bisphenol; 1,3-bis(2-(4-hydroxyphenyl)-2-propyl)benzene	13595-25-0	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
resorcinol monobenzoate		136-36-7	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**

4-hexylresorcinol		136-77-6	H06275	1952	Arnott DG, Doniach I. 1952. The effect of compounds allied to resorcinol upon the uptake of radioactive iodine by the thyroid of the rat. Biochem J 50(4): 473-479.	**20110505**
thiram	thiuram; TMTD	137-26-8	W01398	1984	Serio R, Long RA, Taylor JE, Tolman RL, Weppelman RM, Olson G. 1984. The antifertility and antiadrenergic actions of thiocarbamate fungicides in laying hens. Toxicol Appl Pharmacol 72(2):333-342.	**20110505**
thiram	thiuram; TMTD	137-26-8	H05967	1993	Stoker TE, Goldman JM, Cooper RL. 1993. The dithiocarbamate fungicide thiram disrupts the hormonal control of ovulation in the female rat. Reprod Toxicol 7:211-218.	**20110505**
thiram	thiuram; TMTD	137-26-8	H05124	1996	Stoker TE, Cooper RL, Goldman JM, Andrews JE. 1996. Characterization of pregnancy outcome following thiram-induced ovulatory delay in the female rat. Neurotoxicol Teratol 18(3):277-282.	**20110505**
thiram	thiuram; TMTD	137-26-8	H24213	2003	Han MS, Shin KJ, Kim YH, Kim SH, Lee T, Kim E, Ryu SH, Suh PG. 2003. Thiram and ziram stimulate non-selective cation channel and induce apoptosis in PC12 cells. Neurotoxicology 24(3):425-434.	**20110505**
thiram	thiuram; TMTD	137-26-8	H24219	2003	Stoker TE, Jeffay SC, Zucker RM, Cooper RL, Perreault SD. 2003. Abnormal fertilization is responsible for reduced fecundity following thiram-induced ovulatory delay in the rat. Biol Reprod 68(6):2142-2149.	**20110505**
ziram		137-30-4	H07895	1983	Cilievici O, Craciun C, Ghidus E. 1983. Decreased fertility, increased dominant lethals, skeletal malformations induced in the mouse by ziram fungicide. Rev. Roum. Morphology Embryology & Physiology 29(3):159-165.	**20110505**
ziram		137-30-4	W01398	1984	Serio R, Long RA, Taylor JE, Tolman RL, Weppelman RM, Olson G. 1984. The antifertility and antiadrenergic actions of thiocarbamate fungicides in laying hens. Toxicol Appl Pharmacol 72(2):333-342.	**20110505**
ziram		137-30-4	H06484	1997	Marinovich M, Guizzetti M, Ghilardi F, Viviani B, Corsini E, Galli CL. 1997. Thyroid peroxidase as toxicity target for dithiocarbamates. Arch Toxicol 71(8): 508-512.	**20110505**
ziram		137-30-4	H24213	2003	Han MS, Shin KJ, Kim YH, Kim SH, Lee T, Kim E, Ryu SH, Suh PG. 2003. Thiram and ziram stimulate non-selective cation channel and induce apoptosis in PC12 cells. Neurotoxicology 24(3):425-434.	**20110505**
ziram		137-30-4	H21300	2008	Ohnishi T, Yoshida T, Igarashi A, Muroi M, Tanamoto KI. 2008. Effects of possible endocrine disruptors on MyD88-independent TLR4 signaling. FEMS Immunology & Medical Microbiology 52(2):293-295.	**20110505**
metam-sodium	metam; metam natrium; sodium methyldithiocarbamate	137-42-8	H24240	1992	Pruett SB, Barnes DB, Han YC, Munson AE. 1992. Immunotoxicological characteristics of sodium methyldithiocarbamate. Fundam Appl Toxicol 18(1): 40-47.	**20110505**
metam-sodium	metam; metam natrium; sodium methyldithiocarbamate	137-42-8	H07176	1994	Goldman JM, Stoker TE, Cooper RL, McElroy WK, Hein JF. 1994. Blockade of ovulation in the rat by the fungicide sodium n-methyldithiocarbamate - relationship between effects on the luteinizing hormone surge and alterations in hypothalamic catecholamines. Neurotoxicol Teratol 16(3):257-268.	**20110505**

metam-sodium	metam; metam natrium; sodium methyldithiocarbamate	137-42-8	H18567	2006	Pruett SB, Fan RP, Zheng Q. 2006. Involvement of three mechanisms in the alteration of cytokine responses by sodium methyldithiocarbamate. Toxicol Appl Pharmacol 213(2):172-178.	**20110505**
metam-sodium	metam; metam natrium; sodium methyldithiocarbamate	137-42-8	H23707	2007	Goldman JM, Cooper RL, Murr AS. 2007. Reproductive functions and hypothalamic catecholamines in response to the soil fumigant metam sodium: adaptations to extended exposures. Neurotoxicol Teratol 29(3):368-376.	**20110505**
metam-sodium	metam; metam natrium; sodium methyldithiocarbamate	137-42-8	W14901	2008	Tilton F, Tanguay RL. 2008. Exposure to sodium metam during zebrafish somitogenesis results in early transcriptional indicators of the ensuing neuronal and muscular dysfunction. Toxicol Sci 106(1):103-112.	**20110505**
propazine		139-40-2	H11792	2001	Sanderson JT, Letcher RJ, Heneweer M, Giesy JP, van den Berg M. 2001. Effects of chloro-s-triazine herbicides and metabolites on aromatase activity in various human cell lines and on vitellogenin production in male carp hepatocytes. Environ Health Perspect 109(10):1027-1031.	**20110505**
8-methyl-1,2,4,7-tetrachlorodibenzofuran		139883-50-4	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
6-methyl-2,3,4,8-tetrachlorodibenzofuran		139883-51-5	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
4-tert-octylphenol	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	H22693	1996	Tran DQ, Klotz DM, Ladlie BL, Ide CF, McLachlan JA, Arnold SF. 1996. Inhibition of progesterone receptor activity in yeast by synthetic chemicals. Biochem Biophys Res Commun 229(2):518-523.	**20110505**
4-tert-octylphenol	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	W03323	1996	Jobling S, Sheahan D, Osborne JA, Matthiessen P, Sumpter JP. 1996. Inhibition of testicular growth in rainbow trout (Oncorhynchus mykiss) exposed to estrogenic alkylphenolic chemicals. Environ Toxicol Chem 15(2):194-202.	**20110505**
4-tert-octylphenol	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	H07503	1997	Boockfor FR, Blake CA. 1997. Chronic administration of 4-tert-octylphenol to adult male rats causes shrinkage of the testes and male accessory sex organs, disrupts spermatogenesis, and increases the incidence of sperm deformities. Biol Reprod 57(2):267-277.	**20110505**
4-tert-octylphenol	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	H07500	1997	Abraham EJ, Frawley LS. 1997. Octylphenol (OP), an environmental estrogen, stimulates prolactin (PRL) gene expression. Life Sci 60(17):1457-1465.	**20110505**
4-tert-octylphenol	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
diethyl adipate		141-28-6	H07696	1975	Singh AR, Lawrence WH, Autian J. 1975. Dominant lethal mutations and antifertility effects of di-2-ethylhexyl adipate and diethyl adipate in male mice. Toxicol Appl Pharmacol 32(3):566-576.	**20110505**

3-hydroxy-2-(hydroxymethyl)pyridine		14173-30-9	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
flufenacet	thiafluamide; "oxyacetamide/ fluthamide (FOE 5043)"; "experimental oxyacetamide"	142459-58-3	H05761	1995	Christenson WR, Becker BD, Hoang HD, Wahle BS, Moore KD, Dass PD, Lake SG, Stuart BP, Vangoethem DL, Sangha GK, Thyssen JH. 1995. Extrathyroidally mediated changes in circulation thyroid hormone concentrations in the male rat following administration of an experimental oxyacetamide (FOE 5043). Toxicol Appl Pharmacol 132(2):253-262.	**20110505**
nabam		142-59-6	H06061	1975	Kuzan FB, Prahlad KV. 1975. The effects of 1,2,3,4,10,10-hexachloro-1,4,4a, 5,8,8a-hexahydroxy endo, exo-5, 8-dimthionaphthalene (aldrin) and sodium ethylenebisdithiocarbomate (Nabam) on the chick. Poult Sci 54(4):1054-1064.	**20110505**
2,2-bis(4-hydroxyphenyl)-propanol	2,2-bis(4-hydroxyphenyl)-1-propanol	142648-65-5	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
chlordecone	kepone	143-50-0	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
chlordecone	kepone	143-50-0	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
chlordecone	kepone	143-50-0	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
phenol red		143-74-8	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
4-nonylphenol nonaethoxylate	Tergitol NP 9; NP9EO	14409-72-4	W01814	1993	Jobling S, Sumpter JP. 1993. Detergent components in sewage effluent are weakly oestrogenic to fish: An in vitro study using rainbow trout (Oncorhynchus mykiss) hepatocytes. Aquatic Toxicology 27(3-4):361-372.	**20110505**
ferbam		14484-64-1	W01398	1984	Serio R, Long RA, Taylor JE, Tolman RL, Weppelman RM, Olson G. 1984. The antifertility and antiadrenergic actions of thiocarbamate fungicides in laying hens. Toxicol Appl Pharmacol 72(2):333-342.	**20110505**
ferbam		14484-64-1	H23670	2009	Morisseau C, Merzlikin O, Lin A, He G, Feng W, Padilla I, Denison MS, Pessah IN, Hammock BD. 2009. Toxicology in the fast lane: application of high-throughput bioassays to detect modulation of key enzymes and receptors. Environ Health Perspect 117(12):1867-1872.	**20110505**

tributyltin chloride	TBT chloride; tributylchlorostannane	1461-22-9	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
tributyltin chloride	TBT chloride; tributylchlorostannane	1461-22-9	H00250	1988	Snoeij NJ, Penninks AH, Seinen W. 1988. Dibutyltin and tributyltin compounds induce thymus atrophy in rats due to a selective action on thymic lymphoblasts. Int J Immunopharmacol 10(7):891-899.	**20110616**
tributyltin chloride	TBT chloride; tributylchlorostannane	1461-22-9	H04842	1995	Ema M, Kurosaka R, Amano H, Ogawa Y. 1995. Further evaluation of the developmental toxicity of tributyltin chloride in rats. Toxicology 96(3):195-201.	**20110616**
tributyltin chloride	TBT chloride; tributylchlorostannane	1461-22-9	W10574	2003	Duft M, Schulte-Oehlmann U, Tillmann M, Markert B, Oehlmann J. 2003. Toxicity of triphenyltin and tributyltin to the freshwater mudsnail Potamopyrgus antipodarum in a new sediment biotest. EnvironToxicol Chem 22(1):145-152.	**20110616**
tributyltin bromide	TBT bromide	1461-23-0	H25824	2006	Nakanishi T, Hiromori Y, Yokoyama H, Koyanagi M, Itoh N, Nishikawa J, Tanaka K. 2006. Organotin compounds enhance 17beta-hydroxysteroid dehydrogenase type I activity in human choriocarcinoma JAr cells: potential promotion of 17beta-estradiol biosynthesis in human placenta. Biochem Pharmacol 71(9):1349-1357.	**20110714**
tetrabutyltin		1461-25-2	H12031	2001	Nakagomi M, Suzuki E, Usumi K, Saitoh Y, Yoshimura S, Nagao T, Ono H. 2001. Effects of endocrine disrupting chemicals on the microtubule network in Chinese hamster V79 cells in culture and in Sertoli cells in rats. Teratogenesis, Carcinogenesis & Mutagenesis 21(6):453-462.	**20110616**
2,4,4'-trihydroxybenzophenone		1470-79-7	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
2,4,4'-trihydroxybenzophenone		1470-79-7	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
m-coumaric acid	coumaric (m-) acid; 3-hydroxycinnamic acid	14755-02-3	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
bisphenol AF	2,2-bis(4-hydroxyphenyl)perfluoropropane	1478-61-1	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
bisphenol AF	BPAF; 4,4'-(hexafluoroisopropylidene)diphenol	1478-61-1	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**

cytosine arabinoside		147-94-4	H01004	1986	Gray LE Jr., Kavlok RJ, Ostby J, Ferrell J, Rogers J, Gray K. 1986. An evaluation of figure-eight maze activity and general behavioral development following prenatal exposure to forty chemicals: effects of cytosine arabinoside, dinocap, nitrofen, and vitamin A. Neurotoxicology 7(2):449-462.	**20110505**
perchlorate (sodium perchlorate)		14797-73-0 / 7601-89-0 (sodium perchlorate)	H07328	1968	Yamada T, Jones AE. 1968. Effect of thiocyanate, perchlorate, and other anions on plasma protein-thyroid hormone interaction in vitro. Endocrinology 82(1):47-53.	**20110505**
perchlorate (potassium perchlorate)		14797-73-0 / 7778-74-7 (potassium perchlorate)	H07317	1957	Postel S. 1957. Placental transfer of perchlorate and triiodothyronine in the guinea pig. Endocrinology 60(1):53-66.	**20110505**
perchlorate (potassium perchlorate)		14797-73-0 / 7778-74-7 (potassium perchlorate)	H07318	1967	Lampe L, Modis L, Gehl A. 1967. Effect of potassium perchlorate on the foetal rabbit thyroid. Acta Med Acad Sci Hung 23(3):223-232.	**20110505**
perchlorate (potassium perchlorate)		14797-73-0 / 7778-74-7 (potassium perchlorate)	H03193	1968	Mayberry WE. 1968. Antithyroid effects of 3-amino-1,2,4-triazole. Proceedings of the Society for Experimental Biology & Medicine 129(2):551-556.	**20110505**
perchlorate (potassium perchlorate)		14797-73-0 / 7778-74-7 (potassium perchlorate)	H07330	1979	Mannisto PT, Ranta T, Leppaluto J. 1979. Effects of methymercaptoimidazole (MMI), propylathiouracil (PTU), potassium perchlorate (KClO4) and potassium iodide (KI) on the serum concentrations of thyrotrophin (TSH) and thyroid hormones in the rat. Acta Endocrinol (Copenh) 91(2):271-281.	**20110505**
tocopherol		148-03-8	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
4'-hydroxy-2,2',4,6,6'-pentachlorobiphenyl	4'-OH-PCB-104	149111-99-9	H07089	1997	Fielden MR, Chen I, Chittim B, Safe SH, Zacharewski TR. 1997. Examination of the estrogenicity of 2,4,6,2',6'-pentachlorobiphenyl (PCB 104), its hydroxylated metabolite 2,4,6,2',6'-pentachloro-4-biphenylol (HO-PCB 104), and a further chlorinated derivative, 2,4,6,2',4',6'-hexachlorobiphenyl (PCB 155) [review]. Environ Health Perspect 105(11):1238-1248.	**20110505**
4-n-pentylphenol	4-n-amylphenol; 4-pentylphenol	14938-35-3	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
4-n-pentylphenol	4-n-amylphenol; 4-pentylphenol	14938-35-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

4-n-pentylphenol	4-n-amylphenol; 4-pentylphenol	14938-35-3	H12031	2001	Nakagomi M, Suzuki E, Usumi K, Saitoh Y, Yoshimura S, Nagao T, Ono H. 2001. Effects of endocrine disrupting chemicals on the microtubule network in Chinese hamster V79 cells in culture and in Sertoli cells in rats. Teratogenesis, Carcinogenesis & Mutagenesis 21(6):453-462.	**20110505**
4-n-pentylphenol	4-n-amylphenol; 4-pentylphenol	14938-35-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
2-ethylhexanoic acid		149-57-5	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
2-ethylhexanoic acid		149-57-5	H16268	1999	Maloney EK, Waxman DJ. 1999. trans-Activation of PPARalpha and PPARgamma by structurally diverse environmental chemicals. Toxicol Appl Pharmacol 161(2):209-218.	**20110715**
4'-hydroxy-2,4,6-trichlorobiphenyl	4'-OH-PCB-30	14962-28-8	H03088	1993	Jansen HT, Cooke PS, Porcelli J, Liu T-C, Hansen LG. 1993. Estrogenic and antiestrogenic actions of PCBs in the female rat: In vitro and in vivo studies. Reprod Toxicol 7(3):237-248.	**20110505**
4'-hydroxy-2,4,6-trichlorobiphenyl	4'-OH-PCB-30	14962-28-8	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4'-hydroxy-2,4,6-trichlorobiphenyl	4'-OH-PCB-30	14962-28-8	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
4'-hydroxy-2,4,6-trichlorobiphenyl	4'-OH-PCB-30	14962-28-8	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
AHTN	tonalide; 6-acetyl-1,1,2,4,4,7-hexamethyltetraline; 6-acetyl-1,1,2,4,4,7-hexamethyltetralin	1506-02-1 / 21145-77-7	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**
3-benzylidene camphor	3-BC	15087-24-8	H18542	2004	Schlumpf M, Schmid P, Durrer S, Conscience M, Maerkel K, Henseler M, Gruetter M, Herzog I, Reolon S, Ceccatelli R, Faass O, Stutz E, Jarry H, Wuttke W, Lichtensteiger W. 2004. Endocrine activity and developmental toxicity of cosmetic UV filters - an update. Toxicology 205(1-2):113-122.	**20110505**
3-benzylidene camphor	3-BC	15087-24-8	H16310	2004	Schlumpf M, Jarry H, Wuttke W, Ma R. 2004. Estrogenic activity and estrogen receptor beta binding of the UV filter 3-benzylidene camphor. Comparison with 4-methylbenzylidene camphor. Toxicology 199(2-3):109-120.	**20110505**
3-benzylidene camphor	3-BC	15087-24-8	H18548	2005	Schreurs RH, Sonneveld E, Jansen JH, Seinen W, van der Burg B. 2005. Interaction of polycyclic musks and UV filters with the estrogen receptor (ER), androgen receptor (AR), and progesterone receptor (PR) in reporter gene bioassays. Toxicol Sci 83(2):264-272.	**20110505**

3-benzylidene camphor	3-BC	15087-24-8	W14860	2006	Kunz PY, Gries T, Fent K. 2006. The ultraviolet filter 3-benzylidene camphor adversely affects reproduction in fathead minnow (Pimephales promelas). Toxicol Sci 93(2):311-321.	**20110505**
3-benzylidene camphor	3-BC	15087-24-8	H22909	2009	Faass O, Schlumpf M, Reolon S, Henseler M, Maerkel K, Durrer S, Lichtensteiger W. 2009. Female sexual behavior, estrous cycle and gene expression in sexually dimorphic brain regions after pre- and postnatal exposure to endocrine active UV filters. Neurotoxicology 30(2):249-260.	**20110505**
5'-hydroxy-2,3,3',4,4'-pentachlorobiphenyl	5'-OH-PCB-105	150975-81-8	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
4-cyclopentylphenol		1518-83-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
6-bromo-2-naphthol	6-bromonaphthol-2	15231-91-1	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4-hydroxy-2,3,3',4',5-pentachlorobiphenyl	4-OH-PCB-107	152969-11-4	H07166	1998	Schuur AG, Brouwer A, Bergman A, Coughtrie MWH, Visser TJ. 1998. Inhibition of thyroid hormone sulfation by hydroxylated metabolites of polychlorinated biphenyls. Chem Biol Interact 109(1-3):293-297.	**20110505**
4-hydroxy-2,3,3',4',5-pentachlorobiphenyl	4-OH-PCB-107	152969-11-4	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
AHMI	phantolide; 6-acetyl-1,1,2,3,3,5-hexamethylindan	15323-35-0	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**
2,4,6-tribromodiphenyl ether	PBDE- 30	155999-95-4	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
carbofuran		1563-66-2	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
carbofuran		1563-66-2	H07316	1996	Yousef MI, Bertheussen K, Ibrahim HZ, Helmi S, Seehy MA, Salem MH. 1996. A sensitive sperm-motility test for the assessment of cytotoxic effect of pesticides. Journal of Environmental Science & Health Part B 31(1):99-115.	**20110505**
4-chloro-2-methylphenol		1570-64-5	W14939	1995	Vismara C, Bernardini G, Bordone L, Spinelli O, Teruzzi A, Rossetti C. 1995. Effects of chlorocresol (4-chloro-2-methyl phenol) administered during the fertilization and cleavage phases of Xenopus laevis. Bull Environ Contam Toxicol 55(2):195-200.	**20110505**

4-chloro-2-methylphenol		1570-64-5	H23885	1998	Korner W, Hanf V, Schuller W, Bartsch H, Zwirner M, Hagenmaier H. 1998. Validation and application of a rapid in vitro assay for assessing the estrogenic potency of halogenated phenolic chemicals. Chemosphere 37(9-12): 2395-2407.	**20110505**
1,1-bis(4-hydroxyphenyl)propane		1576-13-2	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
4'-hydroxy-2,3',4,5',6-pentachlorobiphenyl	4'-OH-PCB-121	158076-63-2	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
trifluralin		1582-09-8	W01549	1984	Couch JA. 1984. Histopathology and enlargement of the pituitary of a teleost exposed to the herbicide trifluralin. Journal of Fish Diseases 7(2):157-163.	**20110505**
trifluralin		1582-09-8	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
trifluralin		1582-09-8	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
dodemorph		1593-77-7	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
2,3,4-trichlorophenol		15950-66-0	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
alachlor		15972-60-8	H02298	1996	Klotz DM, Beckman BS, Hill SM, McLachlan JA, Walters MR, Arnold SF. 1996. Identification of environmental chemicals with estrogenic activity using a combination of in vitro assays. Environ Health Perspect 104(10):1084-1089.	**20110505**
alachlor		15972-60-8	H01696	1996	Wilson AGE, Thake DC, Heydens WE, Brewster DW, Hotz KJ. 1996. Mode of action of thyroid tumor formation in the male Long-Evans rat administered high doses of alachlor. Fundam Appl Toxicol 33(1):16-23.	**20110505**
alachlor		15972-60-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
alachlor		15972-60-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**

alachlor		15972-60-8	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
methyl tertiary butyl ether	MTBE	1634-04-4	H23823	2000	Williams TM, Borghoff SJ. 2000. Induction of testosterone biotransformation enzymes following oral administration of methyl tert-butyl ether to male Sprague-Dawley rats. Toxicol Sci 57(1):147-155.	**20110505**
methyl tertiary butyl ether	MTBE	1634-04-4	H14864	2000	Williams TM, Cattley RC, Borghoff SJ. 2000. Alterations in endocrine responses in male Sprague-Dawley rats following oral administration of methyl tert-butyl ether. Toxicol Sci 54(1):168-176.	**20110505**
methyl tertiary butyl ether	MTBE	1634-04-4	H23818	2006	Li DM, Han XD. 2006. Evaluation of toxicity of methyl tert-butyl ether (MTBE) on mouse spermatogenic cells in vitro. Toxicol Ind Health 22(7):291-299.	**20110505**
methyl tertiary butyl ether	MTBE	1634-04-4	H23815	2009	de Peyster A, Stanard B, Westover C. 2009. Effect of ETBE on reproductive steroids in male rats and rat Leydig cell cultures. Toxicol Lett 190(1):74-80.	**20110505**
methyl tertiary butyl ether	MTBE	1634-04-4	H23824	2009	Zheng G, Zhang W, Zhang Y, Chen Y, Liu M, Yao T, Yang Y, Zhao F, Li J, Huang C, Luo W, Chen J. 2009. gamma-Aminobutyric acid(A) (GABA(A)) receptor regulates ERK1/2 phosphorylation in rat hippocampus in high doses of methyl tert-butyl ether (MTBE)-induced impairment of spatial memory. Toxicol Appl Pharmacol 236(2):239-245.	**20110505**
malaoxon		1634-78-2	H03126	1985	Reuber MD. 1985. Carcinogenicity and toxicity of malathion and malaoxon. Environ Res 37(1):119-153.	**20110505**
4-n-butylphenol		1638-22-8	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
methomyl		16752-77-5	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
bisphenol A diglycidyl ether	BADGE; 2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	H24256	2000	Wright HM, Clish CB, Mikami T, Hauser S, Yanagi K, Hiramatsu R, Serhan CN, Spiegelman BM. 2000. A synthetic antagonist for the peroxisome proliferator-activated receptor gamma inhibits adipocyte differentiation. J Biol Chem 275(3):1873-1877.	**20110505**

bisphenol A diglycidyl ether	BADGE; 2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	H16039	2000	Bishop-Bailey D, Hla T, Warner TD. 2000. Bisphenol A diglycidyl ether (BADGE) is a PPAR gamma agonist in an ECV304 cell line. Br J Pharmacol 131(4):651-654.	**20110505**
bisphenol A diglycidyl ether	BADGE; 2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	H16308	2004	Satoh K, Ohyama K, Aoki N, Iida M, Nagai F. 2004. Study on anti-androgenic effects of bisphenol A diglycidyl ether (BADGE), bisphenol F diglycidyl ether (BFDGE) and their derivatives using cells stably transfected with human androgen receptor, AR-EcoScreen. Food & Chemical Toxicology 42(6): 983-993.	**20110505**
bisphenol A diglycidyl ether	BADGE; 2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	H23865	2005	Li H, Ruan XZ, Powis SH, Fernando R, Mon WY, Wheeler DC, Moorhead JF, Varghese Z. 2005. EPA and DHA reduce LPS-induced inflammation responses in HK-2 cells: evidence for a PPAR-gamma-dependent mechanism. Kidney Int 67(3):867-874.	**20110505**
bisphenol A diglycidyl ether	BADGE; 2,2'-bis(4-(2,3-epoxypropoxy)phenyl)propane; 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	W12449	2005	Letcher RJ, Sanderson JT, Bokkers A, Giesy JP, Van Den Berg M. 2005. Effects of bisphenol A-related diphenylalkanes on vitellogenin production in male carp (Cyprinus carpio) hepatocytes and aromatase (CYP19) activity in human H295R adrenocortical carcinoma cells. Toxicol Appl Pharmacol 209(2): 95-104.	**20110505**
2,3-dihydroxypyridine		16867-04-2	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
4-hydroxyazobenzene		1689-82-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
ioxynil		1689-83-4	H06436	1988	Ogilvie LM, Ramsden DB. 1988. Ioxynil and 3,5,3'-triiodothyronine: Comparison of binding to human plasma proteins. Toxicol Lett 44(3):281-287.	**20110505**

ioxynil		1689-83-4	H24180	2003	Ishihara A, Sawatsubashi S, Yamauchi K. 2003. Endocrine disrupting chemicals: interference of thyroid hormone binding to transthyretins and to thyroid hormone receptors. Mol Cell Endocrinol 199(1-2):105-117.	**20110505**
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile	1689-84-5	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
8-methyl-1,3,6-trichlorodibenzofuran	8-MCDF	172485-96-0	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
8-methyl-1,3,7-trichlorodibenzofuran		172485-98-2	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
8-methyl-2,3,7-trichlorodibenzofuran		172485-99-3	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
8-methyl-2,3,7-trichlorodibenzo-p-dioxin		172485-99-3	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
8-methyl-2,3,4,7-tetrachlorodibenzofuran		172486-00-9	H04591	1995	Dickerson R, Keller LH, Safe S. 1995. Alkyl polychlorinated dibenzofurans and related compounds as antiestrogens in the female rat uterus - Structure-activity studies. Toxicol Appl Pharmacol 135(2):287-298.	**20110505**
2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	1746-01-6	H18285	2005	Nishimura N, Yonemoto J, Miyabara Y, Fujii-Kuriyama Y, Tohyama C. 2005. Altered thyroxin and retinoid metabolic response to 2,3,7,8-tetrachlorodibenzo-p-dioxin in aryl hydrocarbon receptor-null mice. Arch Toxicol 79(5):260-267.	**20111007**
2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	1746-01-6	H17634	2006	Hojo R, Zareba G, Kai JW, Baggs RB, Weiss B. 2006. Sex-specific alterations of cerebral cortical cell size in rats exposed prenatally to dioxin. J Appl Toxicol 26(1):25-34.	**20111007**
2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	1746-01-6	H19824	2007	Shi ZQ, Valdez KE, Ting AY, Franczak A, Gum SL, Petroff BK. 2007. Ovarian endocrine disruption underlies premature reproductive senescence following environmentally relevant chronic exposure to the aryl hydrocarbon receptor agonist 2,3,7,8-tetrachlorodibenzo-p-dioxin. Biol Reprod 76(2):198-202.	**20111007**
2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	1746-01-6	H27145	2009	Kurita H, Yoshioka W, Nishimura N, Kubota N, Kadowaki T, Tohyama C. 2009. Aryl hydrocarbon receptor-mediated effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on glucose-stimulated insulin secretion in mice. J Appl Toxicol 29(8): 689-694.	**20111007**
2,3,7,8-tetrachlorodibenzo-p-dioxin	2,3,7,8-TCDD	1746-01-6	H27142	2011	Jablonska O, Piasecka J, Petroff BK, Nynca A, Siawrys G, Wasowska B, Zmijewska A, Lewczuk B, Ciereszko RE. 2011. In vitro effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on ovarian, pituitary, and pineal function in pigs. Theriogenology 76(5):921-932.	**20111007**
phenyl paraben	phenyl-4-hydroxybenzoate	17696-62-7	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

benomyl		17804-35-2	H03040	1983	Barnes TB, Verlangieri AJ, Wilson MC. 1983. Reproductive toxicity of methyl-1-(butylcarbamoyl)-2-benzimidazole carbamate (benomyl) in male Wistar rats. Toxicology 28:103-115.	**20110505**
benomyl		17804-35-2	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
benomyl		17804-35-2	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
zearalenone		17924-92-4	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
aluminum sulfate		17927-65-0 or 10043-01-3 (anhydrous) ?	W04058	1996	Waring CP, Brown JA, Collins JE, Prunet P. 1996. Plasma prolactin, cortisol, and thyroid responses of the brown trout (Salmo trutta) exposed to lethal and sublethal aluminium in acidic soft waters. General & Comparative Endocrinology 102(3):377-385.	**20110616**
aluminum sulfate		17927-65-0 or 10043-01-3 (anhydrous) ?	H08191	1998	Alleva E, Rankin J, Santucci D. 1998. Neurobehavioral alteration in rodents following developmental exposure to aluminum. Toxicol Ind Health 14(1-2): 209-221.	**20110616**
4-iso-pentylphenol	p-iso-amylphenol; 4-(3-methylbutyl)phenol	1805-61-4	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
4-iso-pentylphenol	p-iso-amylphenol; 4-(3-methylbutyl)phenol	1805-61-4	H05882	1992	Soto AM, Lin TM, Justicia H, Silvia RM, Sonnenschein C. 1992. An "in culture" bioassay to assess the estrogenicity of xenobiotics (E-SCREEN). In: Colborn T, Clement C, eds. Chemically Induced Alterations in Sexual and Functional Development: The Wildlife/Human Connection. Princeton, NJ: Princeton Scientific Publishing Co., Inc. p 295-309. (Mehlman MA, ed. Advances in Modern Environmental Toxicology; 21).	**20110505**
4-iso-pentylphenol	p-iso-amylphenol; 4-(3-methylbutyl)phenol	1805-61-4	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4-n-octylphenol	p-octylphenol; 4-octylphenol	1806-26-4	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4-n-octylphenol	p-octylphenol; 4-octylphenol	1806-26-4	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

4-n-octylphenol	p-octylphenol; 4-octylphenol	1806-26-4	H12031	2001	Nakagomi M, Suzuki E, Usumi K, Saitoh Y, Yoshimura S, Nagao T, Ono H. 2001. Effects of endocrine disrupting chemicals on the microtubule network in Chinese hamster V79 cells in culture and in Sertoli cells in rats. Teratogenesis, Carcinogenesis & Mutagenesis 21(6):453-462.	**20110505**
4-n-octylphenol	p-octylphenol; 4-octylphenol	1806-26-4	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
2,2'-dihydroxybiphenyl	2,2'-biphenol	1806-29-7	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
bromopropylate		18181-80-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,2',3,4,4'-pentabromodiphenyl ether	PBDE- 85	182346-21-0	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,3,4,5,6-pentachlorobiphenyl	PCB-116	18259-05-7	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
nitrofen	niclofen (Canada); NIP (Japan); NIT	1836-75-5	H07153	1983	Gray LE Jr., Kavlock RJ, Chernoff N, Ostby J, Ferrel J. 1983. Postnatal developmental alterations following prenatal exposure to the herbicide 2,4-dichlorophenyl-p-nitrophenyl ether: A dose response evaluation in the mouse. Toxicol Appl Pharmacol 67(1):1-14.	**20110505**
nitrofen	niclofen (Canada); NIP (Japan); NIT	1836-75-5	H07148	1983	Gray LE Jr., Kavlock RJ. 1983. The effects of the herbicide 2,4-dichlorophenyl-p-nitrophenyl ether (NIT) on serum thyroid hormones in adult female mice. Toxicol Lett 15(2-3):231-235.	**20110505**
nitrofen	niclofen (Canada); NIP (Japan); NIT	1836-75-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
chlornitrofen		1836-77-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

DCPA (USA)	dacthal; chlorthal-dimethyl; dimethyl tetrachloroterephthalate; 2,3,5,6-tetrachloro-1,4-benzenedicarboxylic acid dimethyl ester. [For DCPA (Japan), see propanil)	1861-32-1	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
isoxathion		18854-01-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,4',6-tribromodiphenyl ether	PBDE- 32	189083-60-4	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,2',4,6'-tetrabromodiphenyl ether	PBDE- 51	189084-57-9	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,3,4,4',5,6-hexabromodiphenyl ether	PBDE-166	189084-58-0	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,3',4',6-tetrabromodiphenyl ether	PBDE- 71	189084-62-6	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,4,4',6-tetrabromodiphenyl ether	PBDE- 75	189084-63-7	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,2',4,4',6-pentabromodiphenyl ether	PBDE-100	189084-64-8	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,3',4,4',6-pentabromodiphenyl ether	PBDE-119	189084-66-0	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**

2,3,3',4,4',5,6-heptabromodiphenyl ether	PBDE-190	189084-68-2	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
4'-hydroxy-2,3',4,6-tetrachlorobiphenyl	4'-OH-PCB-69	189578-00-5	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
chlorothalonil		1897-45-6	W15156	2011	McMahon T, Halstead N, Johnson S, Raffel TR, Romansic JM, Crumrine PW, Boughton RK, Martin LB, Rohr JR. 2011. The fungicide chlorothalonil is nonlinearly associated with corticosterone levels, immunity, and mortality in amphibians. Environ Health Perspect 119(8):1098-1103.	**20110505**
4-propoxyphenol		18979-50-5	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-n-pentyloxyphenol		18979-53-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-hexyloxyphenol		18979-55-0	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
oryzalin		19044-88-3	H18308	2005	Hall LC, Rogers JM, Denison MS, Johnson ML. 2005. Identification of the herbicide surflan and its active ingredient oryzalin, a dinitrosulfonamide, as xenoestrogens . Arch Environ Contam Toxicol 48(2):201-208.	**20110505**
oryzalin		19044-88-3	W13815	2007	Hall LC, Okihiro M, Johnson ML, Teh SJ. 2007. Surflan (TM) and oryzalin impair reproduction in the teleost medaka (Oryzias latipes). Marine Environmental Research 63(2):115-131.	**20110505**
paraquat dichloride		1910-42-5	H07491	1974	Rose MS, Crabtree HC, Fletcher K, Wyatt I. 1974. Biochemical effects of diquat and paraquat. Biochem J 138(Part 3):437-443.	**20110505**
atrazine		1912-24-9	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
atrazine		1912-24-9	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
atrazine		1912-24-9	H10137	2000	Cooper RL, Stoker TE, Tyrey L, Goldman JM, McElroy WK. 2000. Atrazine disrupts the hypothalamic control of pituitary-ovarian function. Toxicol Sci 53(2):297-307.	**20110505**

atrazine		1912-24-9	W12974	2006	Hayes TB, Stuart AA, Mendoza M, Collins A, Noriega N, Vonk A, Johnston G, Liu R, Kpodzo D. 2006. Characterization of atrazine-induced gonadal malformations in African clawed frogs (Xenopus laevis) and comparisons with effects of an androgen antagonist (cyproterone acetate) and exogenous estrogen (17<beta>-estradiol): support for the demasculinization/feminization hypothesis . Environ Health Perspect 114 (Suppl. 1):134-141.	**20110505**
atrazine		1912-24-9	H19760	2007	Fan WQ, Yanase T, Morinaga H, Gondo S, Okabe T, Nomura M, Komatsu T, Morohashi K-I, Hayes TB, Takayanagi R, Nawata H. 2007. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. Environ Health Perspect 115(5):720-727.	**20110505**
picloram		1918-02-1	H03311	1981	Reuber MD. 1981. Carcinogenicity of picloram. J Toxicol Environ Health 7(2): 207-222.	**20110505**
4'-hydroxy-2,3,3',4,5 pentachlorobiphenyl	4'-OH-PCB-106	192190-09-3	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
2,4,5-trichlorophenoxyacetic acid, methyl ester	2,4,5-T-methyl	1928-37-6	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
2,4-dichlorophenoxyacetic acid, butoxyethanol ester	2,4-D-butotyl; 2,4-D-isobutoxyethanol ester [sic]	1929-73-3	W05998	1994	Rodriguez EM, Schuldt M, Romano L. 1994. Chronic histopathological effects of parathion and 2,4-D on female gonads of Chasmagnathus granulata (Decapoda, Brachyura). Food & Chemical Toxicology 32(9):811-818.	**20110505**
phenyl-N-methylcarbamate	phenyl-N-methylcarbamate	1943-79-9	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
p,p'-(octahydro-4,7-methano-5H-inden-5-ylidene) bisphenol	4,4'-(octahydro-4,7-methano-5H-inden-5-ylidene) bisphenol	1943-97-1	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
oxadiazon		19666-30-9	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
chloroxuron		1982-47-4	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

bisphenol A bischloroformate	BPACF	2024-88-6	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
1,9-dimethylphenanthrene		20291-73-0	H22562	1934	Cook JW, Dodds EC, Hewett CL, Lawson W. 1934. The oestrogenic activity of some condensed-ring compounds in relation to their other biological activities. Proc Roy Soc Ser B 114(788):272-286.	**20110505**
methiocarb		2032-65-7	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
methiocarb		2032-65-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
4-nonylphenol diethoxylate	NP2EO	20427-84-3	W01814	1993	Jobling S, Sumpter JP. 1993. Detergent components in sewage effluent are weakly oestrogenic to fish: An in vitro study using rainbow trout (Oncorhynchus mykiss) hepatocytes. Aquatic Toxicology 27(3-4):361-372.	**20110505**
4-nonylphenol diethoxylate	NP2EO	20427-84-3	H04467	1994	White R, Jobling S, Hoare SA, Sumpter JP, Parker MG. 1994. Environmentally persistent alkylphenolic compounds are estrogenic. Endocrinology 135(1): 175-182.	**20110505**
4-nonylphenol diethoxylate	NP2EO	20427-84-3	H04824	1996	Routledge EJ, Sumpter JP. 1996. Estrogenic activity of surfactants and some of their degradation products assessed using a recombinant yeast screen. Environ Toxicol Chem 15(3):241-248.	**20110505**
nonylphenol diethoxylate mixture	NP2EO	20427-84-3 (4-nonylphenol diethoxylate)	W03323	1996	Jobling S, Sheahan D, Osborne JA, Matthiessen P, Sumpter JP. 1996. Inhibition of testicular growth in rainbow trout (Oncorhynchus mykiss) exposed to estrogenic alkylphenolic chemicals. Environ Toxicol Chem 15(2):194-202.	**20110505**
decachlorobiphenyl	PCB-209	2051-24-3	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2-chlorobiphenyl	PCB-1	2051-60-7	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
4-chlorobiphenyl	PCB-3	2051-62-9	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
tributyltin	TBT (ionic)	20763-88-6	W00399	1988	Gibbs PE, Pascoe PL, Burt GR. 1988. Sex change in the female dog-whelk, Nucella lapillus, induced by tributyltin from antifouling paints. Journal of the Marine Biological Association of the United Kingdom 68(4):715-731.	**20110616**
tributyltin	TBT (ionic)	20763-88-6	W04186	1996	Bettin C, Oehlmann J, Stroben E. 1996. TBT-induced imposex in marine neogastropods is mediated by an increasing androgen level. Helgoland Marine Research [Helgolander Meeresuntersuchungen] 50(3):299-317.	**20110616**

tributyltin	TBT (ionic)	20763-88-6	H16880	2005	Atanasov AG, Nashev LG, Tan S, Baker ME, Odermatt A. 2005. Organotins disrupt the 11<beta>-hydroxysteroid dehydrogenase type 2-dependent local inactivation of glucocorticoids. Environ Health Perspect 113(11):1600-1606.	**20110616**
bisphenol E	bis-E; 1,1-bis(4-hydroxyphenyl)ethane; bis(4-hydroxyphenyl)ethane; 4,4'-ethylidene-bisphenol	2081-08-5	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
bisphenol E	bis-E; 1,1-bis(4-hydroxyphenyl)ethane; bis(4-hydroxyphenyl)ethane; 4,4'-ethylidene-bisphenol	2081-08-5	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
EPN	ethyl p-nitrophenyl benzenethionophosphonate	2104-64-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bromophos	bromofos; bromophos-methyl	2104-96-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
metribuzin		21087-64-9	H03623	1993	Porter WP, Green SM, Debbink NL, Carlson I. 1993. Groundwater pesticides: Interactive effects of low concentrations of carbamates aldicarb and methomyl and the triazine metribuzin on thyroxine and somatotropin levels in white rats. J Toxicol Environ Health 40(1):15-34.	**20110505**
octyl-dimethyl-p-aminobenzoic acid	OD-PABA; octyl-dimethyl-p-aminobenzoate; 2-ethylhexyl p-dimethylaminobenzoate; padimate O	21245-02-3	H11055	2001	Schlumpf M, Cotton B, Conscience M, Haller V, Steinmann B, Lichtensteiger W. 2001. In vitro and in vivo estrogenicity of UV screens. Environ Health Perspect 109(3):239-244.	**20110505**
4-hydroxyphenyl-4'-methoxyphenylmethane		21388-77-2	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
leptophos		21609-90-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

cyanazine		21725-46-2	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
cyanazine		21725-46-2	H07252	1996	Tran DQ, Kow KY, McLachlan JA, Arnold SF. 1996. The inhibition of estrogen receptor-mediated responses by chloro-s-triazine-derived compounds is dependent on estradiol concentration in yeast. Biochemical & Biophysical Research Communications 227(1):140-146.	**20110505**
desmethylchlordimeform	DCDM; demethylchlordimeform	21787-80-4	H07168	1988	Costa LG, Olibet G, Murphy SD. 1988. Alpha2-adrenoceptors as a target for formamidine pesticides: In vitro and in vivo studies in mice. Toxicol Appl Pharmacol 93(2):319-328.	**20110505**
molinate		2212-67-1	H07256	1998	Jewell WT, Hess RA, Miller MG. 1998. Testicular toxicity of molinate in the rat - metabolic activation via sulfoxidation. Toxicol Appl Pharmacol 149(2):159-166.	**20110505**
Hibiscus Rosa-sinensis extract		223749-10-8	H08241	1997	Murthy DR, Reddy CM, Patil SB. 1997. Effect of benzene extract of Hibiscus rosa sinensis on the estrous cycle and ovarian activity in albino mice. Biological & Pharmaceutical Bulletin 20(7):756-8.	**20110505**
4-n-hexylphenol		2246-69-7	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
bendiocarb		22781-23-3	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
phosalone		2310-17-0	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
oxamyl		23135-22-0	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
clotrimazole		23593-75-1	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
4-hydroxy-2-chlorobiphenyl	4-OH-PCB-1	23719-22-4	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
mirex		2385-85-5	H00908	1981	Yarbrough JD, Chambers JE, Grimley JM, Alley EG, Fang MM, Morrow JT, Ward BC, Conroy JD. 1981 Mar 30. Comparative study of 8-monohydromirex and mirex toxicity in male rats. Toxicol Appl Pharmacol 58(1):105-17.	**20110505**
mirex		2385-85-5	H00923	1981	Chu I, Villeneuve DC, Secours VE, Valli VE, Becking GC. 1981. Effects of photomirex and mirex on reproduction in the rat. Toxicol Appl Pharmacol 60(3): 549-556.	**20110505**

mirex		2385-85-5	H07926	1984	Rogers JM, Morelli L, Grabowski CT. 1984. Plasma glucose and protein concentrations in rat fetuses and neonates exposed to cataractogenic doses of mirex. Environ Res 34(1):155-161.	**20110505**
mirex		2385-85-5	W02726	1986	Chen TT, Reid PC, van Beneden R, Sonstegard RA. 1986. Effect of Aroclor 1254 and mirex on estradiol-induced vitellogenin production in juvenile rainbow trout (Salmo gairdneri). Canadian Journal of Fisheries & Aquatic Sciences 43(1):169-173.	**20110505**
mirex		2385-85-5	H00844	1987	Jovanovich L, Levin S, Khan MAQ. 1987. Significance of mirex-caused hypoglycemia and hyperlipidemia in rats. J Biochem Toxicol 2:203-213.	**20110505**
1,3-dicyclohexylurea		2387-23-7	H22146	2008	Ahn KC, Zhao B, Chen J, Cherednichenko G, Sanmarti E, Denison MS, Lasley B, Pessah IN, Kultz D, Chang DPY, Gee SJ, Hammock BD. 2008. In vitro biologic activities of the antimicrobials triclocarban, its analogs, and triclosan in bioassay screens: Receptor-based bioassay screens. Environ Health Perspect 116(9):1203-1210.	**20110505**
pronamide	propyzamide	23950-58-5	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
piperophos		24151-93-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
piperophos		24151-93-7	H24315	2010	Viswanath G, Chatterjee S, Dabral S, Nanguneri SR, Divya G, Roy P. 2010. Anti-androgenic endocrine disrupting activities of chlorpyrifos and piperophos. J Steroid Biochem Mol Biol 120(1):22-29.	**20111007**
2,3-benzofluorene	benzo(b)fluorene	243-17-4	H07001	1996	Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1996. The anti-estrogenic activity of selected polynuclear aromatic hydrocarbons in yeast expressing human estrogen receptor. Biochemical & Biophysical Research Communications 229(1):102-108.	**20110505**
2,2',4,4'-tetrachlorobiphenyl	PCB-47	2437-79-8	H22684	1994	Soontornchat S, Li MH, Cooke PS, Hansen LG. 1994. Toxicokinetic and toxicodynamic influences on endocrine disruption by polychlorinated biphenyls. Environ Health Perspect 102(6-7):568-571.	**20110505**
propamocarb		24579-73-5	H23565	2004	Schmuck G, Mihail F. 2004. Effects of the carbamates fenoxycarb, propamocarb and propoxur on energy supply, glucose utilization and SH-groups in neurons. Arch Toxicol 78(6):330-337.	**20110505**
indenestrol A	indenestrol	24643-97-8	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
benzyl-4-hydroxyphenyl ketone		2491-32-9	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

t-butylhydroxyanisole	BHA; butylated hydroxyanisole; 2(3)-tert-butyl-4-hydroxyanisole	25013-16-5	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl 7): 113-122.	**20110505**
t-butylhydroxyanisole	BHA; butylated hydroxyanisole; 2(3)-tert-butyl-4-hydroxyanisole	25013-16-5	H23989	2003	Okubo T, Kano I. 2003. [Studies on estrogenic activities of food additives with human breast cancer MCF-7 cells and mechanism of estrogenicity by BHA and OPP]. Yakugaku Zasshi 123(6):443-452.	**20110505**
t-butylhydroxyanisole	BHA; butylated hydroxyanisole; 2(3)-tert-butyl-4-hydroxyanisole	25013-16-5	H24017	2005	Jeong SH, Kim BY, Kang HG, Ku HO, Cho JH. 2005. Effects of butylated hydroxyanisole on the development and functions of reproductive system in rats. Toxicology 208(1):49-62.	**20110505**
t-butylhydroxyanisole	BHA; butylated hydroxyanisole; 2(3)-tert-butyl-4-hydroxyanisole	25013-16-5	H24018	2005	Kang HG, Jeong SH, Cho JH, Kim DG, Park JM, Cho MH. 2005. Evaluation of estrogenic and androgenic activity of butylated hydroxyanisole in immature female and castrated rats. Toxicology 213(1-2):147-156.	**20110505**
t-butylhydroxyanisole	BHA; butylated hydroxyanisole; 2(3)-tert-butyl-4-hydroxyanisole	25013-16-5	H18775	2006	ter Veld MGR, Schouten B, Louisse J, Van Es DS, Van Der Saag PT, Rietjens IMCM, Murk AJ. 2006. Estrogenic potency of food-packaging-associated plasticizers and antioxidants as detected in ERalpha and ERbeta reporter gene cell lines. Journal of Agricultural & Food Chemistry 54(12):4407-4416.	**20110505**
bentazon	bentazone; bendioxide	25057-89-0	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
3-monochlorodibenzofuran	3-monoCDF	25074-67-3	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4,5-tetrachlorophenol		25167-83-3	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
monobenzyl phthalate (butylbenzyl phthalate metabolite)		2528-16-7	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
monobenzyl phthalate (butylbenzyl phthalate metabolite)		2528-16-7	H25622	2003	Hurst CH, Waxman DJ. 2003. Activation of PPARalpha and PPARgamma by environmental phthalate monoesters. Toxicol Sci 74(2):297-308.	**20110715**
isofenphos		25311-71-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
dinitrophenol		25550-58-7	H06426	1955	Goldberg RC, Wolff J, Greep RO. 1955. The mechanism of depression of plasm protein bound iodine by 2,4 dinitrophenol. Endocinology 56(5):560-566.	**20110505**

dinitrophenol		25550-58-7	H06427	1957	Goldberg RC, Wolff J, Greep RO. 1957. Studies on the nature of the thyroid-pituitay interrelationship. Endocrinology 60(1):38-52.	**20110505**
4'-hydroxyoctanophenone		2589-73-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-fluoro-4'-hydroxybenzophenone		25913-05-7	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
etridiazole		2593-15-9	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
phenthoate	elsan; fenthoate; dimephenthoate; PAP (Japan)	2597-03-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
1-hydroxychlordene		2597-11-7	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
sumithrin	phenothrin, fenothrin	26002-80-2	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
sumithrin	phenothrin, fenothrin	26002-80-2	H10935	1998	Garey J, Wolff MS. 1998. Estrogenic and antiprogestagenic activities of pyrethroid insecticides. Biochemical & Biophysical Research Communications 251(3):855-859.	**20110505**
sumithrin	phenothrin, fenothrin	26002-80-2	H08668	1999	Go V, Garey J, Wolff MS, Pogo BGT. 1999. Estrogenic potential of certain pyrethroid compounds in the MCF-7 human breast carcinoma cell line. Environ Health Perspect 107(3):173-177.	**20110505**
1-naphthyl-N,N-dimethylcarbamate		2619-00-3	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
chlornitrofen-amino	CNP-amino; amino-chlornitrofen	26306-61-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
cyanophos		2636-26-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2-sec-pentylphenol	o-sec-amylphenol; 2-(1-methylbutyl)phenol	26401-74-1	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**

DDOH	2,2-bis(p-chlorophenyl)-ethanol	2642-82-2	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
DDOH	2,2-bis(p-chlorophenyl)-ethanol	2642-82-2	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
4,4'-thiobisphenol		2664-63-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
di-isodecyl phthalate	DiDP	26761-40-0	H17371	2005	Wenzel A, Franz C, Breous E, Loos U. 2005. Modulation of iodide uptake by dialkyl phthalate plasticisers in FRTL-5 rat thyroid follicular cells. Molecular & Cellular Endocrinology 244(1-2):63-71.	**20110715**
di-isodecyl phthalate	DiDP	26761-40-0	H17378	2005	Turan N, Waring RH, Ramsden DB. 2005. The effect of plasticisers on "sulphate supply" enzymes. Molecular & Cellular Endocrinology 244(1-2): 15-19.	**20110715**
di-isodecyl phthalate	DiDP	26761-40-0	H23949	2007	Harris R, Turan N, Kirk C, Ramsden D, Waring R. 2007. Effects of endocrine disruptors on dehydroepiandrosterone sulfotransferase and enzymes involved in PAPS synthesis: genomic and nongenomic pathways. Environ Health Perspect 115 (Suppl 1):51-54.	**20110715**
di-isodecyl phthalate	DiDP	26761-40-0	H22989	2009	Ghisari M, Bonefeld-Jorgensen EC. 2009. Effects of plasticizers and their mixtures on estrogen receptor and thyroid hormone functions. Toxicol Lett 189(1):67-77.	**20110715**
sodium selenite pentahydrate		26970-82-1	H23321	1990	Simons SS Jr, Chakraborti PK, Cavanaugh AH. 1990. Arsenite and cadmium(II) as probes of glucocorticoid receptor structure and function. J Biol Chem 265(4):1938-1945.	**20110705**
tris(4-chlorophenyl)methane	tris-4-(chlorophenyl)methane; Tris-H; TCPM-H	27575-78-6	H11343	2000	Lascombe I, Beffa D, Ruegg U, Tarradellas J, Wahli W. 2000. Estrogenic activity assessment of environmental chemicals using in vitro assays: Identification of two new estrogenic compounds. Environ Health Perspect 108(7):621-629.	**20110505**
diquat		2764-72-9	W10277	1976	Anderson RJ, Prahlad KV. 1976. The deleterious effects of fungicides and herbicides on Xenopus laevis embryos. Arch Environ Contam Toxicol 4(3): 312-323.	**20110505**
mono-2-(methacryloyloxy)ethyl-phthalate	mono-(2-methacryloyloxy)-ethyl-phthalate; MCE	27697-00-3	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
perfluorooctane sulfonic acid, potassium salt	PFOS, potassium salt	2795-39-3	H21418	2008	Keil DE, Mehlmann T, Butterworth L, Peden-Adams MM. 2008. Gestational exposure to perfluorooctane sulfonate suppresses immune function in B6C3F1 mice. Toxicol Sci 103(1):77-85.	**20110505**

perfluorooctane sulfonic acid, potassium salt	PFOS, potassium salt	2795-39-3	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
4'-hydroxy-4-chlorobiphenyl	4'-OH-PCB-3	28034-99-3	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
bioallethrin	d-trans-allethrin	28057-48-9	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
bioallethrin	d-trans-allethrin	28057-48-9	H08668	1999	Go V, Garey J, Wolff MS, Pogo BGT. 1999. Estrogenic potential of certain pyrethroid compounds in the MCF-7 human breast carcinoma cell line. Environ Health Perspect 107(3):173-177.	**20110505**
thiobencarb		28249-77-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
monohydroxymethoxychlor (methoxychlor metabolite)	2-(p-hydroxyphenyl)-2-(p-methoxyphenyl)-1,1,1-trichloroethane	28463-03-8	H05949	1981	Ousterhout J, Struck RF, Nelson JA. 1981. Estrogenic activities of methoxychlor metabolites. Biochem Pharmacol 30(20):2869-2871.	**20110505**
monohydroxymethoxychlor (methoxychlor metabolite)	2-(p-hydroxyphenyl)-2-(p-methoxyphenyl)-1,1,1-trichloroethane	28463-03-8	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
monohydroxymethoxychlor (methoxychlor metabolite)	2-(p-hydroxyphenyl)-2-(p-methoxyphenyl)-1,1,1-trichloroethane	28463-03-8	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
di-isononyl phthalate	DiNP	28553-12-0 (DiNP2) / 68515-48-0 (DiNP1)	H10894	2000	Gray LE Jr., Ostby J, Furr J, Price M, Veeramachaneni DNR, Parks L. 2000. Perinatal exposure to the phthalates DEHP, BBP, and DINP, but not DEP, DMP, or DOTP, alters sexual differentiation of the male rat. Toxicol Sci 58(2): 350-365.	**20110715**
di-isononyl phthalate	DiNP	28553-12-0 (DiNP2) / 68515-48-0 (DiNP1)	H23963	2009	Kwack SJ, Kim KB, Kim HS, Lee BM. 2009. Comparative toxicological evaluation of phthalate diesters and metabolites in Sprague-Dawley male rats for risk assessment. J Toxicol Environ Health A 72(21-22):1446-1454.	**20110715**
di-isononyl phthalate	DiNP	28553-12-0 (DiNP2) / 68515-48-0 (DiNP1)	H26138	2011	DeKeyser JG, Laurenzana EM, Peterson EC, Chen T, Omiecinski CJ. 2011. Selective phthalate activation of naturally occurring human constitutive androstane receptor splice variants and the pregnane x receptor. Toxicol Sci 120(2):381-391.	**20110715**
di-isononyl phthalate	DiNP	28553-12-0 (DiNP2) / 68515-48-0 (DiNP1)	H26139	2011	Hannas BR, Lambright CS, Furr J, Howdeshell KL, Wilson VS, Gray LE Jr. 2011. Dose-response assessment of fetal testosterone production and gene expression levels in rat testes following in utero exposure to diethylhexyl phthalate, diisobutyl phthalate, diisoheptyl phthalate and diisononyl phthalate. Toxicol Sci 123(1):206-216.	**20110715**

di-isononyl phthalate	DiNP	28553-12-0 (DiNP2) / 68515-48-0 (DiNP1) (DiNP2) / 68515-48-0 (DiNP1)	H25076	2011	Boberg J, Christiansen S, Axelstad M, Kledal TS, Vinggaard AM, Dalgaard M, Nellemann C, Hass U. 2011. Reproductive and behavioral effects of diisononyl phthalate (DINP) in perinatally exposed rats. Reprod Toxicol 31(2):200-209.	**20110715**
isobutylmethylxanthine	IBMX	28822-58-4	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
octachlorostyrene		29082-74-4	H01584	1984	Chu I, Villeneuve DC, Secours VE, Yagminas A, Reed B, Valli VE. 1984. Octachlorostyrene: a 90-day toxicity study in the rat. Fundam Appl Toxicol 4(4):547-557.	**20110505**
prodiamine		29091-21-2	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
chlorpyrifos		2921-88-2	H15820	2004	Qiao D, Seidler FJ, Abreu-Villaca Y, Tate CA, Cousins MM, Slotkin TA. 2004. Chlorpyrifos exposure during neurulation: cholinergic synaptic dysfunction and cellular alterations in brain regions at adolescence and adulthood. Developmental Brain Research 148(1):43-52.	**20110505**
chlorpyrifos		2921-88-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
chlorpyrifos		2921-88-2	H18227	2005	Slotkin TA, Tate CA, Cousins MM, Seidler FJ. 2005. Imbalances emerge in cardiac autonomic cell signaling after neonatal exposure to terbutaline or chlorpyrifos, alone or in combination. Developmental Brain Research 160(2): 219-230.	**20110505**
chlorpyrifos		2921-88-2	H18299	2005	Slotkin TA, Brown KK, Seidler FJ. 2005. Developmental exposure of rats to chlorpyrifos elicits sex-selective hyperlipidemia and hyperinsulinemia in adulthood. Environ Health Perspect 113(10):1291-1294.	**20110505**
chlorpyrifos		2921-88-2	H23174	2008	Venerosi A, Cutuli D, Colonnello V, Cardona D, Ricceri L, Calamandrei G. 2008. Neonatal exposure to chlorpyrifos affects maternal responses and maternal aggression of female mice in adulthood. Neurotoxicol Teratol 30(6): 468-474.	**20110505**
pirimiphos-methyl		29232-93-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
pirimiphos-methyl		29232-93-7	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
perfluorobutanesulfonate, potassium salt	PFBS, potassium salt	29420-49-3	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**

3,3'-dibromobisphenol A	DBBPA	29426-78-6	H12152	2001	Samuelsen M, Olsen C, Holme JA, Meussen-Elholm E, Bergmann A, Hongslo JK. 2001. Estrogen-like properties of brominated analogs of bisphenol A in the MCF-7 human breast cancer cell line. Cell Biology Toxicology 17(3):139-151.	**20110505**
3,3'-dibromobisphenol A	DBBPA	29426-78-6	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
HPTE (methoxychlor metabolite)	dihydroxymethoxychlor; bis-hydroxymethoxychlor; 1,1,1-trichloro-2,2-bis(4-hydroxyphenyl)ethane	2971-36-0	H07820	1998	Maness SC, McDonnell DP, Gaido KW. 1998. Inhibition of androgen receptor-dependent transcriptional activity by DDT isomers and methoxychlor in HEPG2 human hepatoma cells. Toxicol Appl Pharmacol 151(1):135-142.	**20110505**
HPTE (methoxychlor metabolite)	dihydroxymethoxychlor; bis-hydroxymethoxychlor; 1,1,1-trichloro-2,2-bis(4-hydroxyphenyl)ethane	2971-36-0	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
HPTE (methoxychlor metabolite)	dihydroxymethoxychlor; bis-hydroxymethoxychlor; 1,1,1-trichloro-2,2-bis(4-hydroxyphenyl)ethane	2971-36-0	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
4-(1-adamantyl)phenol		29799-07-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
parathion-methyl	methyl-parathion	298-00-0	H08746	1985	Lukaszewicz-Hussain A, Moniuszko-Jakoniuk J, Pawlowska D. 1985. Blood glucose and insulin concentration in rats subjected to physical exercise in acute poisoning with parathion-methyl. Pol J Pharmacol Pharm 37(5):647-651.	**20110505**
parathion-methyl	methyl-parathion	298-00-0	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
parathion-methyl	methyl-parathion	298-00-0	H23757	1998	Crittenden PL, Carr R, Pruett SB. 1998. Immunotoxicological assessment of methyl parathion in female B6C3F1 mice. J Toxicol Environ Health A 54(1): 1-20.	**20110505**

parathion-methyl	methyl-parathion	298-00-0	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
fenchlorfos	ronnel	299-84-3	W06009	1983	Rumsey TS, Bitman J, Tao H. 1983. Changes in plasma concentrations of thyroxine, triiodothyronine, cholesterol and total lipid in beef steers fed ronnel. J Anim Sci 56(1):125-131.	**20110505**
lead acetate		301-04-2	H22682	1985	Sokol RZ, Madding CE, Swerdloff RS. 1985. Lead toxicity and the hypothalamic-pituitary-testicular axis. Biol Reprod 33(3):722-728.	**20110616**
lead acetate		301-04-2	H06433	1996	Zheng W, Shen H, Blaner WS, Zhao Q, Ren X, Graziano JH. 1996. Chronic lead exposure alters transthyretin concentration in rat cerebrospinal fluid: the role of the choroid plexus. Toxicol Appl Pharmacol 139(2):445-450.	**20110616**
lead acetate		301-04-2	H12971	1999	Gilbert ME, Mack CM, Lasley SM. 1999. Chronic developmental lead exposure and hippocampal long-term potentiation: biphasic dose-response relationship. Neurotoxicology 20(1):71-82.	**20110616**
tris(4-chlorophenyl)methanol	tris-4-(chlorophenyl)methanol; Tris-OH; TCPM-OH	3010-80-8	H09764	1997	Poon R, Lecavalier P, Bergman A, Yagminas A, Chu I, Valli VE. 1997. Effects of tris(4-chlorophenyl)methanol on the rat following short-term oral exposure. Chemosphere 34(1):1-12.	**20110505**
tris(4-chlorophenyl)methanol	tris-4-(chlorophenyl)methanol; Tris-OH; TCPM-OH	3010-80-8	H11343	2000	Lascombe I, Beffa D, Ruegg U, Tarradellas J, Wahli W. 2000. Estrogenic activity assessment of environmental chemicals using in vitro assays: Identification of two new estrogenic compounds. Environ Health Perspect 108(7):621-629.	**20110505**
tris(4-chlorophenyl)methanol	tris-4-(chlorophenyl)methanol; Tris-OH; TCPM-OH	3010-80-8	H13762	2004	Körner W, Vinggaard AM, Térouanne B, Ma R, Wieloch C, Schlumpf M, Sultan C, Soto AM. 2004. Interlaboratory comparison of four in vitro assays for assessing androgenic and antiandrogenic activity of environmental chemicals. Environ Health Perspect 112(6):695-702.	**20110505**
acephate		30560-19-1	W05592	1985	Rattner BA, Michael SD. 1985. Organophosphorus insecticide induced decrease in plasma luteinizing hormone concentration in white-footed mice. Toxicol Lett 24(1):65-69.	**20110505**
perfluorohexanoic acid	PFHxA; perfluoro-n-hexanoic acid	307-24-4	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
perfluorohexanoic acid	PFHxA; perfluoro-n-hexanoic acid	307-24-4	W15154	2011	Vongphachan V, Cassone CG, Wu D, Chiu S, Crump D, Kennedy SW. 2011. Effects of perfluoroalkyl compounds on mRNA expression levels of thyroid hormone-responsive genes in primary cultures of avian neuronal cells. Toxicol Sci 120(2):392-402.	**20110505**
aldrin		309-00-2	H06061	1975	Kuzan FB, Prahlad KV. 1975. The effects of 1,2,3,4,10,10-hexachloro-1,4,4a, 5,8,8a-hexahydroxy endo, exo-5, 8-dimthionaphthalene (aldrin) and sodium ethylenebisdithiocarbomate (Nabam) on the chick. Poult Sci 54(4):1054-1064.	**20110505**

aldrin		309-00-2	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
aldrin		309-00-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
aldrin		309-00-2	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
paraoxon (parathion metabolite)		311-45-5	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
4-nonylphenoxy acetic acid	NP1EC; 4-nonylphenoxycarboxylic acid; 4-nonylphenol carboxylic acid	3115-49-9	W01814	1993	Jobling S, Sumpter JP. 1993. Detergent components in sewage effluent are weakly oestrogenic to fish: An in vitro study using rainbow trout (Oncorhynchus mykiss) hepatocytes. Aquatic Toxicology 27(3-4):361-372.	**20110505**
4-nonylphenoxy acetic acid	NP1EC; 4-nonylphenoxycarboxylic acid; 4-nonylphenol carboxylic acid	3115-49-9	H04467	1994	White R, Jobling S, Hoare SA, Sumpter JP, Parker MG. 1994. Environmentally persistent alkylphenolic compounds are estrogenic. Endocrinology 135(1): 175-182.	**20110505**
4-nonylphenoxy acetic acid	NP1EC; 4-nonylphenoxycarboxylic acid; 4-nonylphenol carboxylic acid	3115-49-9	W03323	1996	Jobling S, Sheahan D, Osborne JA, Matthiessen P, Sumpter JP. 1996. Inhibition of testicular growth in rainbow trout (Oncorhynchus mykiss) exposed to estrogenic alkylphenolic chemicals. Environ Toxicol Chem 15(2):194-202.	**20110505**
bromacil		314-40-9	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
2,3',4,4',5-pentachlorobiphenyl	PCB-118	31508-00-6	H03089	1993	Ness DK, Schantz SL, Moshtaghian J, Hansen LG. 1993. Effects of perinatal exposure to specific to PCB congeners on thyroid hormone concentrations and thyroid histology in the rat. Toxicol Lett 68(3):311-323.	**20110505**
2,3',4,4',5-pentachlorobiphenyl	PCB-118	31508-00-6	H06505	1997	Schantz SL, Seo B-W, Moshtaghian J, Amin S. 1997. Developmental exposure to polychlorinated biphenyls or dioxin: do changes in thyroid function mediate effects on spatial learning? Am Zool 37(4):399-408.	**20110505**

hexachlorocyclohexane, alpha-	alpha-HCH; alpha-benzene hexachloride; alpha-BHC	319-84-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
hexachlorocyclohexane, beta-	beta-HCH; beta-benzene hexachloride; beta-BHC	319-85-7	H00072	1986	van Velsen FL, Danse LHJC, van Leeuwen FXR, Dormans JAMA, van Logten MJ. 1986. The subchronic oral toxicity of the beta-isomer of hexachlorocyclohexane in rats. Fundam Appl Toxicol 6(4):697-712.	**20110505**
hexachlorocyclohexane, beta-	beta-HCH; beta-benzene hexachloride; beta-BHC	319-85-7	W14766	1991	Wester PW. 1991. Histopathological effects of environmental pollutants <beta>-HCH and methyl mercury on reproductive organs in freshwater fish. Comp Biochem Physiol C 100(1-2):237-239.	**20110505**
hexachlorocyclohexane, beta-	beta-HCH; beta-benzene hexachloride; beta-BHC	319-85-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
hexachlorocyclohexane, delta-	delta-HCH; delta-benzene hexachloride; delta-BHC	319-86-8	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
hexachlorocyclohexane, delta-	delta-HCH; delta-benzene hexachloride; delta-BHC	319-86-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bisphenol A dimethacrylate	bis-DMA	3253-39-2	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
pentabromodiphenyl ether formulation	DE-71	32534-81-9 (DE-71)	H03317	1994	Fowles JR, Fairbrother A, Baecher-Steppan L, Kerkvliet NI. 1994. Immunologic and endocrine effects of the flame-retardant pentabromodiphenyl ether (DE-71) in C57BL/6J mice. Toxicology 86(1-2):49-61.	**20110505**
2,4,4',6-tetrachlorobiphenyl	PCB-75	32598-12-2	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
3,3',4,4'-tetrachlorobiphenyl	PCB-77	32598-13-3	H00416	1988	van den Berg KJ, Zurcher C, Brouwer A. 1988. Effects of 3,4,3',4'-tetrachlorobiphenyl on thyroid function and histology in marmoset monkeys. Toxicol Lett 41(1):77-86.	**20110505**
3,3',4,4'-tetrachlorobiphenyl	PCB-77	32598-13-3	H08068	1990	Durham SK, Brouwer A. 1990. 3,4,3',4'-Tetrachlorobiphenyl distribution and induced effects in the rat adrenal gland: Localization in the zona fasciculata. Lab Invest 62(2):232-239.	**20110505**

3,3',4,4'-tetrachlorobiphenyl	PCB-77	32598-13-3	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
3,3',4,4'-tetrachlorobiphenyl	PCB-77	32598-13-3	H06505	1997	Schantz SL, Seo B-W, Moshtaghian J, Amin S. 1997. Developmental exposure to polychlorinated biphenyls or dioxin: do changes in thyroid function mediate effects on spatial learning? Am Zool 37(4):399-408.	**20110505**
2,3,3',4,4'-pentachlorobiphenyl	PCB-105	32598-14-4	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
3,3',4,4',5,5'-hexachlorobiphenyl	PCB-169	32774-16-6	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
3,3',4,4',5,5'-hexachlorobiphenyl	PCB-169	32774-16-6	W03131	1994	Patnode KA, Curtis LR. 1994. 2,2',4,4',5,5'- and 3,3',4,4',5,5'-hexachlorobiphenyl alteration of uterine progesterone and estrogen receptors coincides with embryotoxicity in mink (Mustela vison). Toxicol Appl Pharmacol 127(1):9-18.	**20110505**
chlorogenic acid		327-97-9	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
procymidone		32809-16-8	H09100	1999	Ostby J, Kelce WR, Lambright C, Wolf CJ, Mann P, Gray LE Jr. 1999. The fungicide procymidone alters sexual differentiation in the male rat by acting as an androgen-receptor antagonist in vivo and in vitro. Toxicol Ind Health 15(1-2):80-93.	**20110505**
procymidone		32809-16-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
chlomethoxyfen		32861-85-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
diuron		330-54-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
diuron		330-54-1	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
linuron		330-55-2	H03739	1990	Andrews JE, Gray LE. 1990. The effects of lindane and linuron on calcium metabolism, bone morphometry and the kidney in rats. Toxicology 60(1-2): 99-107.	**20110505**

linuron		330-55-2	H06580	1993	Cook JC, Mullin LS, Frame SR, Biegel LB. 1993. Investigation of a mechanism for Leydig cell tumorigenesis by linuron in rats. Toxicol Appl Pharmacol 119(2): 195-204.	**20110505**
linuron		330-55-2	H10490	2000	Lambright C, Ostby J, Bobseine K, Wilson V, Hotchkiss AK, Mann PC, Gray LE Jr. 2000. Cellular and molecular mechanisms of action of linuron: an antiandrogenic herbicide that produces reproductive malformations in male rats. Toxicol Sci 56(2):389-399.	**20110505**
linuron		330-55-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
linuron		330-55-2	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
amitraz		33089-61-1	H07168	1988	Costa LG, Olibet G, Murphy SD. 1988. Alpha2-adrenoceptors as a target for formamidine pesticides: In vitro and in vivo studies in mice. Toxicol Appl Pharmacol 93(2):319-328.	**20110505**
amitraz		33089-61-1	H06963	1994	Palermo-Neto J, Florio JC, Sakate M. 1994. Developmental and behavioral effects of prenatal amitraz exposure in rats. Neurotoxicol Teratol 16(1):65-70.	**20110505**
2,6-dichlorobiphenyl	PCB-10	33146-45-1	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,6-cis-diphenylhexamethylcyclotetrasiloxane	2,6-cis-[(PhMeSiO)2(Me2SiO)2]	33204-76-1	H22627	1972	LeVier RR, Jankowiak ME. 1972. The hormonal and antifertility activity of 2,6-cis-diphenylhexamethylcyclotetrasiloxane in the female rat. Biol Reprod 7(2): 260-266 [republished as Le Vier RR, Jankowiak ME. 1975. The hormonal and antifertility activity of 2,6-cis-diphenylhexa-methylcyclotetrasiloxane in the female rat. Acta Pharmacol Toxicol (Copenh) 36(Suppl 3):81-92].	**20110505**
2,6-cis-diphenylhexamethylcyclotetrasiloxane	2,6-cis-[(PhMeSiO)2(Me2SiO)2]	33204-76-1	H24202	1975	Le Vier RR, Boley WF. 1975. The antigonadotropic activity of an organosiloxane in the male rat: 2,6-cis-diphenylhexamethylcyc otetrasiloxane. Acta Pharmacol Toxicol (Copenh) 36(Suppl 3):55-67.	**20110505**
2,6-cis-diphenylhexamethylcyclotetrasiloxane	2,6-cis-[(PhMeSiO)2(Me2SiO)2]	33204-76-1	H24257	1975	Albanus L, Bjorklund NE, Gustafsson B, Jonsson M. 1975. Forty days oral toxicity of 2,6-cis-diphenylhexamethylcyclotetrasiloxane (KABI 1774)in beagle dogs with special reference to effects on the male reproductive system. Acta Pharmacol Toxicol (Copenh) 36(Suppl 3):93-130.	**20110505**
2,6-cis-diphenylhexamethylcyclotetrasiloxane	2,6-cis-[(PhMeSiO)2(Me2SiO)2]	33204-76-1	H24259	1975	Nicander L. 1975. Changes produced in the male genital organs of rabbits and dogs by 2,6-cis-diphenylhexamethylcyclotetrasiloxane (KABI 1774). Acta Pharmacol Toxicol (Copenh) 36(Suppl 3):40-54.	**20110505**
2,6-cis-diphenylhexamethylcyclotetrasiloxane	2,6-cis-[(PhMeSiO)2(Me2SiO)2]	33204-76-1	H24200	1979	Aire TA, Ikegwuonu FI, Heath EH. 1979. Effect of 2,6-cis-diphenylhexamethylcyclotetrasiloxane on the reproductive organs of male mice. Arch Androl 2(4):371-374.	**20110505**

endosulfan, beta-	beta-endosulfan; endosulfan II	33213-65-9	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
endosulfan, beta-	beta-endosulfan; endosulfan II	33213-65-9	H02790	1994	Soto AM, Chung KL, Sonnenschein C. 1994. The pesticides endosulfan, toxaphene and dieldrin have estrogenic properties in human estrogen-sensitive cells. Environ Health Perspect 102(4):380-383.	**20110505**
endosulfan, beta-	beta-endosulfan; endosulfan II	33213-65-9	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
endosulfan, beta-	beta-endosulfan; endosulfan II	33213-65-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
endosulfan, beta-	beta-endosulfan; endosulfan II	33213-65-9	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
2,3,4,5-tetrachlorobiphenyl	PCB-61	33284-53-6	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,3,5,6-tetrachlorobiphenyl	PCB-65	33284-54-7	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
diazinon		333-41-5	H03143	1977	Spyker JM, Avery DL. 1977. Neurobehavioral effects of prenatal exposure to the organophosphate of diazinon in mice. J Toxicol Environ Health 3(5-6): 989-1002.	**20110505**
diazinon		333-41-5	H03116	1990	Matin MA, Sattar S, Husain K. 1990. The role of adrenals in diazinon-induced changes in carbohydrate metabolism in rats. Arh Hig Rada Toksikol 41:347-356.	**20110505**
diazinon		333-41-5	H07662	1994	Abdel-Aziz MI, Sahlab AM, Abdel-Khalik M. 1994. Influence of diazinon and deltamethrin on reproductive organs and fertility of male rats. Dtsch Tierarztl Wochenschr 101(6):230-232.	**20110505**
perfluorooctanoic acid	PFOA	335-67-1	W14564	2008	Wei Y, Liu Y, Wang J, Tao Y, Dai J. 2008. Toxicogenomic analysis of the hepatic effects of perfluorooctanoic acid on rare minnows (Gobiocypris rarus). Toxicol Appl Pharmacol 226(3):285-297.	**20110505**
perfluorodecanoic acid	PFDA	335-76-2	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
DPMI	cashmeran; 6,7-dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	33704-61-9	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**

triclosan	TCS; 2,4,4'-trichloro-2'-hydroxydiphenyl ether	3380-34-5	H22146	2008	Ahn KC, Zhao B, Chen J, Cherednichenko G, Sanmarti E, Denison MS, Lasley B, Pessah IN, Kultz D, Chang DPY, Gee SJ, Hammock BD. 2008. In vitro biologic activities of the antimicrobials triclocarban, its analogs, and triclosan in bioassay screens: Receptor-based bioassay screens. Environ Health Perspect 116(9):1203-1210.	**20110505**
triclosan	TCS; 2,4,4'-trichloro-2'-hydroxydiphenyl ether	3380-34-5	H22505	2009	Zorrilla LM, Gibson EK, Jeffay SC, Crofton KM, Setzer WR, Cooper RL, Stoker TE. 2009. The effects of triclosan on puberty and thyroid hormones in male Wistar rats. Toxicol Sci 107(1):56-64.	**20110505**
2,2',4,4',6,6'-hexachlorobiphenyl	PCB-155	33979-03-2	H07089	1997	Fielden MR, Chen I, Chittim B, Safe SH, Zacharewski TR. 1997. Examination of the estrogenicity of 2,4,6,2',6'-pentachlorobiphenyl (PCB 104), its hydroxylated metabolite 2,4,6,2',6'-pentachloro-4-biphenylol (HO-PCB 104), and a further chlorinated derivative, 2,4,6,2',4',6'-hexachlorobiphenyl (PCB 155). Environ Health Perspect 105(11):1238-1248.	**20110505**
DDA, o,p'-	o,p'-DDA	34113-46-7	H22546	1978	Bitman J, Cecil HC, Harris SJ, Feil VJ. 1978. Estrogenic activity of o,p'-DDT metabolites and related compounds. J Agric Food Chem 26(1):149-151.	**20110505**
isoproturon		34123-59-6	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
isoproturon		34123-59-6	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
DDE, o,p'-	o,p'-DDE	3424-82-6	H22546	1978	Bitman J, Cecil HC, Harris SJ, Feil VJ. 1978. Estrogenic activity of o,p'-DDT metabolites and related compounds. J Agric Food Chem 26(1):149-151.	**20110505**
DDE, o,p'-	o,p'-DDE	3424-82-6	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
DDE, o,p'-	o,p'-DDE	3424-82-6	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
DDE, o,p'-	o,p'-DDE	3424-82-6	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
acetochlor		34256-82-1	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
prothiofos		34643-46-4	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

2,5-dichlorobiphenyl	PCB-9	34883-39-1	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
3,5-dichlorobiphenyl	PCB-14	34883-41-5	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
2,4'-dichlorobiphenyl	PCB-8	34883-43-7	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	35065-27-1	H03089	1993	Ness DK, Schantz SL, Moshtaghian J, Hansen LG. 1993. Effects of perinatal exposure to specific to PCB congeners on thyroid hormone concentrations and thyroid histology in the rat. Toxicol Lett 68(3):311-323.	**20110505**
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	35065-27-1	W03131	1994	Patnode KA, Curtis LR. 1994. 2,2',4,4',5,5'- and 3,3',4,4',5,5'-hexachlorobiphenyl alteration of uterine progesterone and estrogen receptors coincides with embryotoxicity in mink (Mustela vison). Toxicol Appl Pharmacol 127(1):9-18.	**20110505**
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	35065-27-1	H06209	1996	Chu I, Villeneuve DC, Yagminas A, Lecavalier P, Poon R, Feeley M, Kennedy SW, Seegal RF, Hakansson H, Ahlborg UG, Valli VE, Bergman A. 1996. Toxicity of 2,2',4,4',5,5'-hexachlorobiphenyl in rats: Effects following 90-day oral exposure. J Appl Toxicol 16(2):121-128.	**20110505**
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	35065-27-1	H06505	1997	Schantz SL, Seo B-W, Moshtaghian J, Amin S. 1997. Developmental exposure to polychlorinated biphenyls or dioxin: do changes in thyroid function mediate effects on spatial learning? Am Zool 37(4):399-408.	**20110505**
2,2',4,4',5,5'-hexachlorobiphenyl	PCB-153	35065-27-1	H10973	2001	Bonefeld-Jorgensen EC, Andersen HR, Rasmussen TH, Vinggaard AM. 2001. Effect of highly bioaccumulated polychlorinated biphenyl congeners on estrogen and androgen receptor activity. Toxicology 158(3):141-153.	**20110505**
2,2',3,4,4',5'-hexachlorobiphenyl	PCB-138	35065-28-2	H10973	2001	Bonefeld-Jorgensen EC, Andersen HR, Rasmussen TH, Vinggaard AM. 2001. Effect of highly bioaccumulated polychlorinated biphenyl congeners on estrogen and androgen receptor activity. Toxicology 158(3):141-153.	**20110505**
2,2',3,4,4',5'-hexachlorobiphenyl	PCB-138	35065-28-2	H12546	2002	Portigal CL, Cowell SP, Fedoruk MN, Butler CM, Rennie PS, Nelson CC. 2002. Polychlorinated biphenyls interfere with androgen-induced transcriptional activation and hormone binding. Toxicol Appl Pharmacol 179(3):185-194.	**20110505**
2,2',3,4,4',5,5'-heptachlorobiphenyl	PCB-180	35065-29-3	H10973	2001	Bonefeld-Jorgensen EC, Andersen HR, Rasmussen TH, Vinggaard AM. 2001. Effect of highly bioaccumulated polychlorinated biphenyl congeners on estrogen and androgen receptor activity. Toxicology 158(3):141-153.	**20110505**
diflubenzuron		35367-38-5	W14715	1982	Hansen SR, Garton RR. 1982. Ability of standard toxicity test to predict the effects of the insecticide diflubenzuron on laboratory stream communities. Canadian Journal of Fisheries and Aquatic Sciences 39(9):1273-1288.	**20110505**
diflubenzuron		35367-38-5	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**

perfluorohexanesulfonate	PFHxS	355-46-4	W15154	2011	Vongphachan V, Cassone CG, Wu D, Chiu S, Crump D, Kennedy SW. 2011. Effects of perfluoroalkyl compounds on mRNA expression levels of thyroid hormone-responsive genes in primary cultures of avian neuronal cells. Toxicol Sci 120(2):392-402.	**20110505**
imazalil		35554-44-0	H10159	2000	Vinggaard AM, Hnida C, Breinholt V, Larsen JC. 2000. Screening of selected pesticides for inhibition of CYP19 aromatase activity in vitro. Toxicol in Vitro 14(3):227-234.	**20110505**
imazalil		35554-44-0	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
imazalil		35554-44-0	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
2,4,6-trichlorobiphenyl	PCB-30	35693-92-6	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
2,2',5,5'-tetrachlorobiphenyl	PCB-52	35693-99-3	H03088	1993	Jansen HT, Cooke PS, Porcelli J, Liu T-C, Hansen LG. 1993. Estrogenic and antiestrogenic actions of PCBs in the female rat: In vitro and in vivo studies. Reprod Toxicol 7(3):237-248.	**20110505**
2,2',3,3',5,5'-hexachlorobiphenyl	PCB-133	35694-04-3	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
3,3-bis(4-hydroxyphenyl)pentane		3600-64-4	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
butamifos		36335-67-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
alpha-zearalenol		36455-72-8	H21379	2001	Minervini F, Dell'Aquila ME, Maritato F, Minoia P, Visconti A. 2001. Toxic effects of the mycotoxin zearalenone and its derivatives on in vitro maturation of bovine oocytes and 17 beta-estradiol levels in mural granulosa cell cultures. Toxicol in Vitro 15(4-5):489-495.	**20110505**
2,2',3,4'-tetrachlorobiphenyl	PCB-42	36559-22-5	H12546	2002	Portigal CL, Cowell SP, Fedoruk MN, Butler CM, Rennie PS, Nelson CC. 2002. Polychlorinated biphenyls interfere with androgen-induced transcriptional activation and hormone binding. Toxicol Appl Pharmacol 179(3):185-194.	**20110505**
iprodione		36734-19-7	H21116	2007	Blystone CR, Lambright CS, Furr J, Wilson VS, Gray LE. 2007. Iprodione delays male rat pubertal development, reduces serum testosterone levels, and decreases ex vivo testicular testosterone production. Toxicol Lett 174(1-3): 74-81.	**20110505**

3-(4-methylbenzylidene)camphor	4-methyl-benzylidene camphor (4-MBC)	36861-47-9	H15546	2005	Durrer S, Maerkel K, Schlumpf M, Lichtensteiger W. 2005. Estrogen target gene regulation and coactivator expression in rat uterus after developmental exposure to the ultraviolet filter 4-methylbenzylidene camphor. Endocrinology 146(5):2130-2139.	**20110505**
3-(4-methylbenzylidene)camphor	4-methyl-benzylidene camphor (4-MBC)	36861-47-9	H21273	2006	Seidlova-Wuttke D, Christoffel J, Rimoldi G, Jarry H, Wuttke W. 2006. Comparison of effects of estradiol with those of octylmethoxycinnamate and 4-methylbenzylidene camphor on fat tissue, lipids and pituitary hormones. Toxicol Appl Pharmacol 214(1):1-7.	**20110505**
3-(4-methylbenzylidene)camphor	4-methyl-benzylidene camphor (4-MBC)	36861-47-9	H20002	2007	Maerkel K, Durrer S, Henseler M, Schlumpf M, Lichtensteiger W. 2007. Sexually dimorphic gene regulation in brain as a target for endocrine disrupters: Developmental exposure of rats to 4-methylbenzylidene camphor. Toxicol Appl Pharmacol 218(2):152-165.	**20110505**
3-(4-methylbenzylidene)camphor	4-methyl-benzylidene camphor (4-MBC)	36861-47-9	H23861	2007	Durrer S, Ehnes C, Fuetsch M, Maerkel K, Schlumpf M, Lichtensteiger W. 2007. Estrogen sensitivity of target genes and expression of nuclear receptor co-regulators in rat prostate after pre- and postnatal exposure to the ultraviolet filter 4-methylbenzylidene camphor. Environ Health Perspect 115 (Suppl 1): 42-50.	**20110505**
3-(4-methylbenzylidene)camphor	4-methyl-benzylidene camphor (4-MBC)	36861-47-9	H22909	2009	Faass O, Schlumpf M, Reolon S, Henseler M, Maerkel K, Durrer S, Lichtensteiger W. 2009. Female sexual behavior, estrous cycle and gene expression in sexually dimorphic brain regions after pre- and postnatal exposure to endocrine active UV filters. Neurotoxicology 30(2):249-260.	**20110505**
3-phenoxybenzoic acid	3-PBA	3739-38-6	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
6-hydroxychrysene		37515-51-8	H07001	1996	Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1996. The anti-estrogenic activity of selected polynuclear aromatic hydrocarbons in yeast expressing human estrogen receptor. Biochemical & Biophysical Research Communications 229(1):102-108.	**20110505**
6-hydroxychrysene		37515-51-8	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
perfluorobutanesulfonate	PFBS; perfluorobutanesulfonic acid	375-73-5	W15154	2011	Vongphachan V, Cassone CG, Wu D, Chiu S, Crump D, Kennedy SW. 2011. Effects of perfluoroalkyl compounds on mRNA expression levels of thyroid hormone-responsive genes in primary cultures of avian neuronal cells. Toxicol Sci 120(2):392-402.	**20110505**
perfluoroheptanoic acid	PFHpA	375-85-9	W15154	2011	Vongphachan V, Cassone CG, Wu D, Chiu S, Crump D, Kennedy SW. 2011. Effects of perfluoroalkyl compounds on mRNA expression levels of thyroid hormone-responsive genes in primary cultures of avian neuronal cells. Toxicol Sci 120(2):392-402.	**20110505**
perfluorononanoic acid	PFNA	375-95-1	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**

perfluorononanoic acid	PFNA	375-95-1	W15154	2011	Vongphachan V, Cassone CG, Wu D, Chiu S, Crump D, Kennedy SW. 2011. Effects of perfluoroalkyl compounds on mRNA expression levels of thyroid hormone-responsive genes in primary cultures of avian neuronal cells. Toxicol Sci 120(2):392-402.	**20110505**
2,2',5-trichlorobiphenyl	PCB-18	37680-65-2	H03950	1995	Li MH, Hansen LG. 1995. Uterotropic and enzyme induction effects of 2,2',5-trichlorobiphenyl. Bull Environ Contam Toxicol 54(4):494-500.	**20110505**
indenestrol B		38028-27-2	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
perfluorooctanoic acid, ammonium salt	PFOA, ammonium salt; ammonium perfluorooctanoate; "PFOA-linear"	3825-26-1	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
2,2',3,4',5',6-hexachlorobiphenyl	PCB-149	38380-04-0	H13360	2001	Li MH, Hsu PC, Guo YL. 2001. Hepatic enzyme induction and acute endocrine effects of 2,2 ',3,3 ',4,6 '-hexachlorobiphenyl and 2,2,3,4 ',5 ',6-hexachlorobiphenyl in prepubertal female rats. Arch Environ Contam Toxicol 41(3):381-385.	**20110505**
2,2',3,3',4,4'-hexachlorobiphenyl	PCB-128	38380-07-3	H12546	2002	Portigal CL, Cowell SP, Fedoruk MN, Butler CM, Rennie PS, Nelson CC. 2002. Polychlorinated biphenyls interfere with androgen-induced transcriptional activation and hormone binding. Toxicol Appl Pharmacol 179(3):185-194.	**20110505**
2,3,3',4,4',5-hexachlorobiphenyl	PCB-156	38380-08-4	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
2,3,3',4,4',5-hexachlorobiphenyl	PCB-156	38380-08-4	H05763	1995	Van Birgelen APJM, Smit EA, Kampen IM, Groeneveld CN, Fase KM, Van der Kolk J, Poiger H, Van den Berg M, Koeman JH, Brouwer A. 1995. Subchronic effects of 2,3,7,8-TCDD or PCBs on thyroid hormone metabolism - Use in risk assessment. European Journal of Pharmacology - Environmental Toxicology & Pharmacology Section 293(1):77-85.	**20110505**
2,2',3,3',6,6'-hexachlorobiphenyl	PCB-136	38411-22-2	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,3',5-trichlorobiphenyl	PCB-26	38444-81-4	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
3,4',5-trichlorobiphenyl	PCB-39	38444-88-1	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
nonyl paraben	nonyl-4-hydroxybenzoate	38713-56-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

2,8-dibromodibenzo-p-dioxin	2,8-DBDD	38964-22-6	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
2,7-dibromodibenzo-p-dioxin	2,7-DBDD	39073-07-9	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
dinocap		39300-45-3	H23813	1992	Smialowicz RJ, Luebke RW, Riddle MM. 1992. Assessment of the immunotoxic potential of the fungicide dinocap in mice. Toxicology 75(3): 235-247.	**20110505**
nonachlor, trans-	trans-nonachlor	39765-80-5	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
nonachlor, trans-	trans-nonachlor	39765-80-5	H02298	1996	Klotz DM, Beckman BS, Hill SM, McLachlan JA, Walters MR, Arnold SF. 1996. Identification of environmental chemicals with estrogenic activity using a combination of in vitro assays. Environ Health Perspect 104(10):1084-1089.	**20110505**
nonachlor, trans-	trans-nonachlor	39765-80-5	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
photomirex (mirex degradate)	8-monohydromirex	39801-14-4	H00908	1981	Yarbrough JD, Chambers JE, Grimley JM, Alley EG, Fang MM, Morrow JT, Ward BC, Conroy JD. 1981 Mar 30. Comparative study of 8-monohydromirex and mirex toxicity in male rats. Toxicol Appl Pharmacol 58(1):105-17.	**20110505**
photomirex (mirex degradate)	8-monohydromirex	39801-14-4	H05699	1982	Singh A, Villeneuve DC, Bhatnagar MK, Valli VEO. 1982. Ultrastructure of the thyroid gland of rats fed photomirex: an 18-month recovery study. Toxicology 23(4):309-319.	**20110505**
diquat dichloride		4032-26-2	H07491	1974	Rose MS, Crabtree HC, Fletcher K, Wyatt I. 1974. Biochemical effects of diquat and paraquat. Biochem J 138(Part 3):437-443.	**20110505**
pendimethalin		40487-42-1	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
pendimethalin		40487-42-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
methoprene		40596-69-8	H24180	2003	Ishihara A, Sawatsubashi S, Yamauchi K. 2003. Endocrine disrupting chemicals: interference of thyroid hormone binding to transthyretins and to thyroid hormone receptors. Mol Cell Endocrinol 199(1-2):105-117.	**20110505**
methoprene		40596-69-8	W11787	2003	Tatarazako N, Oda S, Watanabe H, Morita M, Iguchi T. 2003. Juvenile hormone agonists affect the occurrence of male Daphnia. Chemosphere 53(8): 827-833.	**20110516**

glycitein		40957-83-3	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
hydroprene		41096-46-2	W14671	2005	Oda S, Tatarazako N, Watanabe H, Morita M, Iguchi T. 2005. Production of male neonates in Daphnia magna (Cladocera, Crustacea) exposed to juvenile hormones and their analogs. Chemosphere 61(8):1168-1174.	**20110505**
profenofos		41198-08-7	H27293	2009	Zidan N.E.H.A. 2009. Evaluation of the reproductive toxicity of chlorpyrifos methyl, diazinon and profenofos pesticides in male rats. International Journal of Pharmacology 5(1):51-57.	**20111007**
2,4,4'-tribromodiphenyl ether	PBDE- 28	41318-75-6	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
dibenzanthracene		414-29-9	H07001	1996	Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1996. The anti-estrogenic activity of selected polynuclear aromatic hydrocarbons in yeast expressing human estrogen receptor. Biochemical & Biophysical Research Communications 229(1):102-108.	**20110505**
di-isoheptyl phthalate	DiHP	41451-28-9	H26139	2011	Hannas BR, Lambright CS, Furr J, Howdeshell KL, Wilson VS, Gray LE Jr. 2011. Dose-response assessment of fetal testosterone production and gene expression levels in rat testes following in utero exposure to diethylhexyl phthalate, diisobutyl phthalate, diisoheptyl phthalate and diisononyl phthalate. Toxicol Sci 123(1):206-216.	**20110715**
bupirimate		41483-43-6	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
tricyclazole		41814-78-2	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
4-chloro-4'-hydroxybenzophenone		42019-78-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-chloro-4'-hydroxybenzophenone		42019-78-3	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
bifenox		42576-02-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
kinoprene		42588-37-4	W14671	2005	Oda S, Tatarazako N, Watanabe H, Morita M, Iguchi T. 2005. Production of male neonates in Daphnia magna (Cladocera, Crustacea) exposed to juvenile hormones and their analogs. Chemosphere 61(8):1168-1174.	**20110505**

oxyfluorfen		42874-03-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
triadimefon		43121-43-3	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
triadimefon		43121-43-3	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
triadimefon		43121-43-3	H17263	1999	Vinggaard AM, Breinholt V, Larsen JC. 1999. Screening of selected pesticides for oestrogen receptor activation in vitro. Food Additives & Contaminants 16(12):533-542.	**20110505**
triadimefon		43121-43-3	H10159	2000	Vinggaard AM, Hnida C, Breinholt V, Larsen JC. 2000. Screening of selected pesticides for inhibition of CYP19 aromatase activity in vitro. Toxicol in Vitro 14(3):227-234.	**20110505**
monomethyl phthalate (dimethyl phthalate metabolite)		4376-18-5	H25622	2003	Hurst CH, Waxman DJ. 2003. Activation of PPARalpha and PPARgamma by environmental phthalate monoesters. Toxicol Sci 74(2):297-308.	**20110715**
mono-2-(ethylhexyl)phthalate (DEHP metabolite)	MEHP	4376-20-9	H03048	1988	Lloyd SC, Foster PMD. 1988. Effect of mono-(2-ethylhexyl)phthalate on follicle-stimulating hormone responsiveness of cultured rat Sertoli cells. Toxicol Appl Pharmacol 95(3):484-489.	**20110715**
mono-2-(ethylhexyl)phthalate (DEHP metabolite)	MEHP	4376-20-9	H02579	1990	Treinen KA, Dodson WC, Heindel JJ. 1990. Inhibition of FSH-stimulated cAMP accumulation and progesterone production by mono(2-ethylhexyl) phthalate in rat granulosa cell cultures. Toxicol Appl Pharmacol 106(2):334-340.	**20110715**
mono-2-(ethylhexyl)phthalate (DEHP metabolite)	MEHP	4376-20-9	H03047	1990	Thysen B, Morris PL, Gatz M, Bloch E. 1990. The effect of mono(2-ethylhexyl) phthalate on Sertoli cell transferrin secretion in vitro. Toxicol Appl Pharmacol 106(1):154-157.	**20110715**
mono-2-(ethylhexyl)phthalate (DEHP metabolite)	MEHP	4376-20-9	H25622	2003	Hurst CH, Waxman DJ. 2003. Activation of PPARalpha and PPARgamma by environmental phthalate monoesters. Toxicol Sci 74(2):297-308.	**20110715**
mono-2-(ethylhexyl)phthalate (DEHP metabolite)	MEHP	4376-20-9	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
4-hydroxy-3,4',5-trichlorobiphenyl	4-OH-PCB-39	4400-06-0	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**
genistein		446-72-0	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**

genistein		446-72-0	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
genistein		446-72-0	H12890	2002	Davis JN, Kucuk O, Sarkar FH. 2002. Expression of prostate-specific antigen is transcriptionally regulated by genistein in prostate cancer cells. Mol Carcinog 34(2):91-101.	**20110505**
genistein		446-72-0	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
genistein		446-72-0	H24889	2010	Ohlsson A, Ulleras E, Cedergreen N, Oskarsson A. 2010. Mixture effects of dietary flavonoids on steroid hormone synthesis in the human adrenocortical H295R cell line. Food Chem Toxicol 48(11):3194-3200.	**20110505**
4-methylcatechol		452-86-8	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
paraquat	1,1'-dimethyl-4,4'-bipyridinium	4685-14-7	H07482	1977	FitzGerald GR, Barniville G, FitzPatrick P, Edwards A, Silke B, Carmody M, O'Dwyer WF. 1977. Adrenal abnormalities in paraquat poisoning: An indication for corticosteroid therapy. Ir J Med Sci 146(12):421-423.	**20110505**
paraquat	1,1'-dimethyl-4,4'-bipyridinium	4685-14-7	H21376	1996	Edmonds BK, Edwards GL. 1996. The area postrema is involved in paraquat-induced conditioned aversion behavior and neuroendocrine activation of the hypothalamic-pituitary-adrenal axis. Brain Res 712(1):127-133.	**20110505**
chlorfenvinphos		470-90-6	H26303	1984	Osicka-Koprowska A, Lipska M, Wysocka-Paruszewska B. 1984. Effects of chlorfenvinphos on plasma corticosterone and aldosterone levels in rats. Arch Toxicol 55(1):68-69.	**20111007**
chlorfenvinphos		470-90-6	H26298	1992	Kowalczyk-Bronisz S, Gieldanowski J, Bubak B, Kotz J. 1992. Studies on effect of pesticide Chlorfenwinfos on mouse immune system. Arch Immunol Ther Exp (Warsz) 40(5-6):283-289.	**20111007**
coumestrol		479-13-0	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
taxifolin		480-18-2	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
chrysin		480-40-0	W14391	2001	Oberdörster E, Clay MA, Cottam DM, Wilmot FA, Mclachlan JA, Milner MJ. 2001. Common phytochemicals are ecdysteroid agonists and antagonists: a possible evolutionary link between vertebrate and invertebrate steroid hormones. Journal of Steroid Biochemistry & Molecular Biology 77(4-5): 229-238.	**20110505**
naringenin		480-41-1	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**

naringenin		480-41-1	H08093	1998	Kuiper GGJM, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg P, Gustafsson JA. 1998. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. Endocrinology 139(10): 4252-4263.	**20110505**
naringenin		480-41-1	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
chrysophanol		481-74-3	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**
bromophos-ethyl	ethyl-bromophos	4824-78-6	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
bromophos-ethyl	ethyl-bromophos	4824-78-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
daidzein		486-66-8	H08093	1998	Kuiper GGJM, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg P, Gustafsson JA. 1998. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. Endocrinology 139(10): 4252-4263.	**20110505**
daidzein		486-66-8	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
daidzein		486-66-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
daidzein		486-66-8	H24889	2010	Ohlsson A, Ulleras E, Cedergreen N, Oskarsson A. 2010. Mixture effects of dietary flavonoids on steroid hormone synthesis in the human adrenocortical H295R cell line. Food Chem Toxicol 48(11):3194-3200.	**20110505**
luteolin		491-70-3	W14391	2001	Oberdörster E, Clay MA, Cottam DM, Wilmot FA, Mclachlan JA, Milner MJ. 2001. Common phytochemicals are ecdysteroid agonists and antagonists: a possible evolutionary link between vertebrate and invertebrate steroid hormones. Journal of Steroid Biochemistry & Molecular Biology 77(4-5): 229-238.	**20110505**
luteolin		491-70-3	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**

biochanin A		491-80-5	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
biochanin A		491-80-5	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
nordihydroguariaretic acid		500-38-9	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
DDT, p,p'-	p,p'-DDT	50-29-3	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
DDT, p,p'-	p,p'-DDT	50-29-3	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
DDT, p,p'-	p,p'-DDT	50-29-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
DDT, p,p'-	p,p'-DDT	50-29-3	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
benzo(a)pyrene		50-32-8	H07029	1990	Thomas P. 1990. Teleost model for studying the effects of chemicals on female reproductive endocrine function. J Exp Zool Suppl 4:126-128.	**20110505**
5-methylresorcinol	orcinol	504-15-4	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
vinclozolin		50471-44-8	H04101	1994	Gray LE Jr., Ostby JS, Kelce WR. 1994. Developmental effects of an environmental antiandrogen - The fungicide vinclozolin alters sex differentiation of the male rat. Toxicol Appl Pharmacol 129(1):46-52.	**20110505**
vinclozolin		50471-44-8	H05492	1997	Kelce WR, Lambright LR, Gray LE, Roberts KP. 1997. Vinclozolin and p,p'-DDE alter androgen-dependent gene expression: In vivo confirmation of an androgen receptor-mediated mechanism. Toxicol Appl Pharmacol 142(1): 192-200.	**20110505**
vinclozolin		50471-44-8	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**

vinclozolin		50471-44-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
vinclozolin		50471-44-8	H15516	2005	Anway MD, Cupp AS, Uzumcu M, Skinner MK. 2005. Epigenetic transgenerational actions of endocrine disruptors and male fertility. Science 308(5727):1466-1469.	**20110505**
2,3-dibromo-7,8-dichlorodibenzo-p-dioxin		50585-40-5	H01035	1987	Mason G, Zacharewski T, Denomme MA, Safe L, Safe S. 1987. Polybrominated dibenzo-p-dioxins and related compounds: Quantitative in vivo and in vitro structure-activity relationships. Toxicology 44(3):245-255.	**20110505**
2,3-dibromo-7,8-dichlorodibenzo-p-dioxin		50585-40-5	H22674	1991	Schulz-Schalge T, Koch E, Schwind KH, Hutzinger O, Neubert D. 1991b. Inductive potency of TCDD, TBDD and three 2,3,7,8-mixed-halogenated dioxins in liver microsomes of male rats. Enzyme kinetic considerations. Chemosphere 23(11-12):1925-1931.	**20110505**
2,3,7,8-tetrabromodibenzo-p-dioxin	2,3,7,8-TBDD	50585-41-6	H10232	1992	Kedderis LB, Diliberto JJ, Jackson JA, Linko P, Goldstein JA, Birnbaum LS. 1992. Effects of dose and route of exposure on dioxin disposition. Chemosphere 25(1-2):7-10.	**20110505**
2,3,7,8-tetrabromodibenzo-p-dioxin	2,3,7,8-TBDD	50585-41-6	H22612	1993	Ivens IA, Loser E, Rinke M, Schmidt U, Mohr U. 1993. Subchronic toxicity of 2,3,7,8-tetrabromodibenzo-p-dioxin in rats. Toxicology 83(1-3):181-201.	**20110505**
2,3,7,8-tetrabromodibenzo-p-dioxin	2,3,7,8-TBDD	50585-41-6	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
1,3,7,8-tetrachlorodibenzo-p-dioxin	1,3,7,8-TCDD	50585-46-1	H07250	1994	Harper N, Wang X, Liu H, Safe S. 1994. Inhibition of estrogen-induced progesterone receptor in MCF-7 human breast cancer cells by aryl hydrocarbon (Ah) receptor agonists. Molecular & Cellular Endocrinology 104(1):47-55.	**20110505**
acifluorfen-methyl		50594-67-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
ethyl-4'-hydroxy-4-biphenyl carboxylate		50670-76-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
chlorobenzilate		510-15-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
piperonyl butoxide		51-03-6	H07463	1987	Marcocci C, Luini A, Santisteban P, Grollman EF. 1987. Norepinephrine and thyrotropin stimulation of iodide efflux in FRTL-5 thyroid cells involves metabolites of arachidonic acid and is associated with the iodination of thyroglobulin. Endocrinology 120(3):1127-1133.	**20110505**

piperonyl butoxide		51-03-6	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
chlordane, cis-	cis-chlordane; alpha-chlordane	5103-71-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
nonachlor, cis-	cis-nonachlor	5103-73-1	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
nonachlor, cis-	cis-nonachlor	5103-73-1	H02298	1996	Klotz DM, Beckman BS, Hill SM, McLachlan JA, Walters MR, Arnold SF. 1996. Identification of environmental chemicals with estrogenic activity using a combination of in vitro assays. Environ Health Perspect 104(10):1084-1089.	**20110505**
nonachlor, cis-	cis-nonachlor	5103-73-1	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
chlordane, trans-	trans-chlordane; beta-chlordane; 'gamma-chlordane'	5103-74-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,3,7,8-tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
2,3,7,8-tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,7,8-tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	H00459	1987	Gierthy JF, Lincoln DW, Gillespie MB, Seeger JI, Martinez HI, Dickerman HW, Kumar SA. 1987. Suppression of estrogen-regulate dextracellular tissue plasminogen activator activity of MCF-7 cells by 2,3,7,8-tetrachlorodibenzo-p-dioxin. Cancer Res 47(23):6198-6203.	**20110505**
2,3,7,8-tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	H07250	1994	Harper N, Wang X, Liu H, Safe S. 1994. Inhibition of estrogen-induced progesterone receptor in MCF-7 human breast cancer cells by aryl hydrocarbon (Ah) receptor agonists. Molecular & Cellular Endocrinology 104(1):47-55.	**20110505**
metolachlor		51218-45-2	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**

pretilachlor		51218-49-6	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
2-monochlorodibenzofuran	2-monoCDF	51230-49-0	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,4-dinitrophenol		51-28-5	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
diclofop-methyl		51338-27-3	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
2-ethylhexyl-4-hydroxybenzoate	octyl paraben	5153-25-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
2-ethylhexyl-4-hydroxybenzoate	octyl paraben	5153-25-3	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
2-ethylhexyl-4-hydroxybenzoate	octyl paraben	5153-25-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
fenvalerate		51630-58-1	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
fenvalerate		51630-58-1	H10935	1998	Garey J, Wolff MS. 1998. Estrogenic and antiprogestagenic activities of pyrethroid insecticides. Biochemical & Biophysical Research Communications 251(3):855-859.	**20110505**
fenvalerate		51630-58-1	H08668	1999	Go V, Garey J, Wolff MS, Pogo BGT. 1999. Estrogenic potential of certain pyrethroid compounds in the MCF-7 human breast carcinoma cell line. Environ Health Perspect 107(3):173-177.	**20110505**
fenvalerate		51630-58-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
fenvalerate		51630-58-1	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**

dihydroxymethoxychlor olefin		5180-04-1	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
emodin		518-82-1	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**
2,3,7-tribromodibenzo-p-dioxin	2,3,7-TriBDD	51974-40-4	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
kaempferol	kaempherol	520-18-3	H08093	1998	Kuiper GGJM, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg P, Gustafsson JA. 1998. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. Endocrinology 139(10): 4252-4263.	**20110505**
kaempferol	kaempherol	520-18-3	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
hesperetin		520-33-2	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
apigenin		520-36-5	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
apigenin		520-36-5	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
apigenin		520-36-5	W14391	2001	Oberdörster E, Clay MA, Cottam DM, Wilmot FA, Mclachlan JA, Milner MJ. 2001. Common phytochemicals are ecdysteroid agonists and antagonists: a possible evolutionary link between vertebrate and invertebrate steroid hormones. Journal of Steroid Biochemistry & Molecular Biology 77(4-5): 229-238.	**20110505**
apigenin		520-36-5	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110505**
cypermethrin		52315-07-8	H07935	1992	Varshneya C, Singh T, Sharma LD, Bahga HS, Garg SK. 1992. Immunotoxic responses of cypermethrin, a synthetic pyrethroid insecticide in rats. Indian Journal of Physiology & Pharmacology 36(2):123-126.	**20110505**

cypermethrin		52315-07-8	W08684	2001	Moore A, Waring CP. 2001. The effects of a synthetic pyrethroid pesticide on some aspects of reproduction in Atlantic salmon (Salmo salar L.). Aquatic Toxicology 52(1):1-12.	**20110505**
cypermethrin		52315-07-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
cypermethrin		52315-07-8	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
permethrin		52645-53-1	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
permethrin		52645-53-1	H08668	1999	Go V, Garey J, Wolff MS, Pogo BGT. 1999. Estrogenic potential of certain pyrethroid compounds in the MCF-7 human breast carcinoma cell line. Environ Health Perspect 107(3):173-177.	**20110505**
permethrin		52645-53-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
permethrin		52645-53-1	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
permethrin		52645-53-1	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
trichlorfon		52-68-6	H06057	1983	Nicolau GY. 1983. Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis in chronic pesticide exposure III. Effects of the insecticides (dichlorvos and trichlorphon). Rev. Roum. Morphology Embryology & Physiology 20(2):93-101.	**20110505**
deltamethrin		52918-63-5	H06041	1990	Cabral JR, Galendo D, Laval M, Lyandrat N. 1990. Carcinogenicity studies with deltamethrin in mice and rats. Cancer Lett 49(2):147-152.	**20110505**
deltamethrin		52918-63-5	H04784	1996	Madsen C, Claesson MH, Ropke C. 1996. Immunotoxicity of the pyrethroid insecticides deltametrin and a-cypermetrin. Toxicology 107(3):219-227.	**20110505**
deltamethrin		52918-63-5	H21817	2002	Andrade AJ, Araujo S, Santana GM, Ohi M, Dalsenter PR. 2002. Reproductive effects of deltamethrin on male offspring of rats exposed during pregnancy and lactation. Regul Toxicol Pharmacol 36(3):310-317.	**20110505**
deltamethrin		52918-63-5	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**

syringic acid		530-57-4	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
tetrahydronaphthol-2	THN; tetralol; tetrahydronaphthol -2; 1,2,3,4-tetrahydro-2-naphthol	530-91-6	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
pyrimethanil		53112-28-0	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
pyrimethanil		53112-28-0	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
1-hydroxypyrene		5315-79-7	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
DDD, o,p'-	o,p'-DDD; mitotane	53-19-0	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
DDD, o,p'-	o,p'-DDD; mitotane	53-19-0	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
DDD, o,p'-	o,p'-DDD; mitotane	53-19-0	H02298	1996	Klotz DM, Beckman BS, Hill SM, McLachlan JA, Walters MR, Arnold SF. 1996. Identification of environmental chemicals with estrogenic activity using a combination of in vitro assays. Environ Health Perspect 104(10):1084-1089.	**20110505**
DDD, o,p'-	o,p'-DDD; mitotane	53-19-0	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
DDD, o,p'-	o,p'-DDD; mitotane	53-19-0	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
2-hydroxy-3,5-dichlorobiphenyl	2-OH-PCB-14	5335-24-0	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
hydroxyhydroquinone		533-73-3	H06275	1952	Arnott DG, Doniach I. 1952. The effect of compounds allied to resorcinol upon the uptake of radioactive iodine by the thyroid of the rat. Biochem J 50(4): 473-479.	**20110505**

DNOC	2,4-dinitro-6-methylphenol	534-52-1	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
3-hydroxy-4,4'-dichlorobiphenyl	3-OH-PCB-15	53459-39-5	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
Aroclor 1242		53469-21-9	H03088	1993	Jansen HT, Cooke PS, Porcelli J, Liu T-C, Hansen LG. 1993. Estrogenic and antiestrogenic actions of PCBs in the female rat: In vitro and in vivo studies. Reprod Toxicol 7(3):237-248.	**20110505**
Aroclor 1242		53469-21-9	W04613	1996	Vonier PM, Crain DA, McLachlan JA, Guillette LJ Jr., Arnold SF. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. Environ Health Perspect 104(12):1318-1322.	**20110505**
equol		534-95-3	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
pyrinuron	vacor; pyriminil	53558-25-1	H08677	1980	Karam JH, Lewitt PA, Young CW, Nowlain RE, Frankel BJ, Fujiya H, Freedman ZR, Grodsky GM. 1980. Insulinopenic diabetes after rodenticide (Vacor) ingestion: a unique model of acquired diabetes in man. Diabetes 29(12):971-978.	**20110505**
pyrinuron	vacor; pyriminil	53558-25-1	H08364	1989	Taniguchi H, Yamashiro Y, Chung MY, Hara Y, Ishihara K, Ejiri K, Baba S. 1989. Vacor inhibits insulin release from islets in vitro. J Endocrinol Invest 12(4):273-275.	**20110505**
mono-(1S)-(+)-menthyl-phthalate		53623-42-0	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-sec-butyl phthalate	mono-sec-butyl phthalate	53623-59-9	H25622	2003	Hurst CH, Waxman DJ. 2003. Activation of PPARalpha and PPARgamma by environmental phthalate monoesters. Toxicol Sci 74(2):297-308.	**20110715**
8-prenylnaringenin		53846-50-7	H11932	2001	Coldham NG, Sauer MJ. 2001. Identification, quantitation and biological activity of phytoestrogens in a dietary supplement for breast enhancement. Food & Chemical Toxicology 39(12):1211-1224.	**20110505**
8-prenylnaringenin		53846-50-7	H25129	2002	Milligan S, Kalita J, Pocock V, Heyerick A, De Cooman L, Rong H, De Keukeleire D. 2002. Oestrogenic activity of the hop phyto-oestrogen, 8-prenylnaringenin. Reproduction 123(2):235-242.	**20110505**
8-prenylnaringenin		53846-50-7	H25130	2011	Izzo G, Soder O, Svechnikov K. 2011. The prenylflavonoid phytoestrogens 8-prenylnaringenin and isoxanthohumol diferentially suppress steroidogenesis in rat Leydig cells in ontogenesis. J Appl Toxicol 31(6):589-594.	**20110505**
4'-hydroxy-2,5-dichlorobiphenyl	4'-OH-PCB-9	53905-28-5	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4'-hydroxy-2,5-dichlorobiphenyl	4'-OH-PCB-9	53905-28-5	H06283	1997	Gierthy JF, Arcaro KF, Floyd M. 1997. Assessment of PCB estrogenicity in a human breast cancer cell line. Chemosphere 34(5-7):1495-1505.	**20110505**

3'-hydroxy-2,5-dichlorobiphenyl	3'-OH-PCB-9	53905-29-6	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2'-hydroxy-2,5-dichlorobiphenyl	2'-OH-PCB-9	53905-30-9	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4'-hydroxy-2,2',5-trichlorobiphenyl	4'-OH-PCB-18 [as 4-OH-2,2',5'-Cl3-BP, OHPCB16]	53905-33-2	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
2,2',4,4'-tetrahydroxybenzil		5394-98-9	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
2,8-dichlorodibenzofuran	2,8-DiCDF	5409-83-6	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
nicotine		54-11-5	H14556	2004	Izrael M, Van der Zee EA, Slotkin TA, Yanai J. 2004. Cholinergic synaptic signaling mechanisms underlying behavioral teratogenicity: effects of nicotine, chlorpyrifos, and heroin converge on protein kinase C translocation in the intermedial part of the hyperstriatum ventrale and on imprinting behavior in an avian model. J Neurosci Res 78(4):499-507.	**20110505**
nicotine		54-11-5	H15781	2005	Qiao D, Seidler FJ, Slotkin TA. 2005. Oxidative mechanisms contributing to the developmental neurotoxicity of nicotine and chlorpyrifos. Toxicol Appl Pharmacol 206(1):17-26.	**20110505**
nicotine		54-11-5	H24853	2010	Gyekis J, Anthony K, Foreman JE, Klein LC, Vandenbergh DJ. 2010. Perinatal nicotine exposure delays genital development in mice. Reprod Toxicol 29(3): 378-30.	**20110505**
1,3-dichlorobenzene		541-73-1	H08373	1995	McCauley PT, Robinson M, Daniel FB, Olson GR. 1995. Toxicity studies of 1,3-dichlorobenzene in Sprague-Dawley rats. Drug & Chemical Toxicology 18(2-3):201-221.	**20110505**
2,2',4,4'-tetrabromodiphenyl ether	PBDE- 47	5436-43-1	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2-ethylhexyl-4-methoxycinnamate	octinoxate; octylmethoxycinnamate (OMC)	5466-77-3	H18547	2005	Klammer H, Schlecht C, Wuttke W, Jarry H. 2005. Multi-organic risk assessment of estrogenic properties of octyl-methoxycinnamate in vivo - A 5-day sub-acute pharmacodynamic study with ovariectomized rats. Toxicology 215(1-2):90-96.	**20110505**
2-ethylhexyl-4-methoxycinnamate	octinoxate; octylmethoxycinnamate (OMC)	5466-77-3	H23859	2006	Rachon D, Rimoldi G, Wuttke W. 2006. In vitro effects of benzophenone-2 and octyl-methoxycinnamate on the production of interferon-gamma and interleukin-10 by murine splenocytes. Immunopharmacol Immunotoxicol 28(3): 501-510.	**20110505**

2-ethylhexyl-4-methoxycinnamate	octinoxate; octylmethoxycinnamate (OMC)	5466-77-3	H23863	2006	Seidlova-Wuttke D, Jarry H, Christoffel J, Rimoldi G, Wuttke W. 2006. Comparison of effects of estradiol (E2) with those of octylmethoxycinnamate (OMC) and 4-methylbenzylidene camphor (4MBC)--2 filters of UV light - on several uterine, vaginal and bone parameters. Toxicol Appl Pharmacol 210(3): 246-254.	**20110505**
2-ethylhexyl-4-methoxycinnamate	octinoxate; octylmethoxycinnamate (OMC)	5466-77-3	H21152	2007	Klammer H, Schlecht C, Wuttke W, Schmutzler C, Gotthardt I, Kohrle J, Jarry H. 2007. Effects of a 5-day treatment with the UV-filter octyl-methoxycinnamate (OMC) on the function of the hypothalamo-pituitary-thyroid function in rats. Toxicology 238(2-3):192-199.	**20110505**
2-ethylhexyl-4-methoxycinnamate	octinoxate; octylmethoxycinnamate (OMC)	5466-77-3	H23856	2010	Carbone S, Szwarcfarb B, Reynoso R, Ponzo OJ, Cardoso N, Ale E, Moguilevsky JA, Scacchi P. 2010. In vitro effect of octyl - methoxycinnamate (OMC) on the release of Gn-RH and amino acid neurotransmitters by hypothalamus of adult rats. Exp Clin Endocrinol Diabetes 118(5):298-303.	**20110505**
bitertanol		55179-31-2	H23808	1993	Allen AR, MacPhail RC. 1993. Bitertanol, a triazole fungicide, increases operant responding but not motor activity. Neurotoxicol Teratol 15(4):237-242.	**20110505**
bitertanol		55179-31-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bitertanol		55179-31-2	H23807	2006	Chan PK, Lu SY, Liao JW, Wei CF, Tsai Y, Ueng TH. 2006. Induction and inhibition of cytochrome P450-dependent monooxygenases of rats by fungicide bitertanol. Food Chem Toxicol 44(12):2047-2057.	**20110505**
triadimenol		55219-65-3	H08368	1996	Walker QD, Mailman RB. 1996. Triadimefon and triadimenol: effects on monoamine uptake and release. Toxicol Appl Pharmacol 139(2):227-233.	**20110505**
triadimenol		55219-65-3	H10159	2000	Vinggaard AM, Hnida C, Breinholt V, Larsen JC. 2000. Screening of selected pesticides for inhibition of CYP19 aromatase activity in vitro. Toxicol in Vitro 14(3):227-234.	**20110505**
fenthion		55-38-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
fenthion		55-38-9	H27292	2002	Quistad GB, Nomura DK, Sparks SE, Segall Y, Casida JE. 2002. Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides. Toxicol Lett 135(1-2):89-93.	**20111007**
2,3-epoxypropanol	glycidol	556-52-5	H08197	1979	Brown-Woodman PD, White IG, Ridley DD. 1979. The antifertility activity and toxicity of alpha-chlorohydrin derivatives in male rats. Contraception 19(5): 517-525	**20110505**
octamethylcyclotetrasiloxane	D4	556-67-2	H11786	2001	McKim JM Jr., Wilga PC, Breslin WJ, Plotzke KP, Gallavan RH, Meeks RG. 2001. Potential estrogenic and antiestrogenic activity of the cyclic siloxane octamethylcyclotetrasiloxane (D4) and the linear siloxane hexamethyldisiloxane (HMDS) in immature rats using the uterotrophic assay. Toxicol Sci 63(1):37-46.	**20110505**

DCCA	3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylic acid	55701-05-8	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
2,3,6-trichlorobiphenyl	PCB-24	55702-45-9	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,3,4-trichlorobiphenyl	PCB-21	55702-46-0	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
chlorpyrifos-methyl		5598-13-0	H17892	2006	Jeong SH, Kim BY, Kang HG, Ku HO, Cho JH. 2006. Effect of chlorpyrifos-methyl on steroid and thyroid hormones in rat F0- and F1-generations. Toxicology 220(2-3):189-202.	**20111007**
chlorpyrifos oxon (chlorpyrifos metabolite)		5598-15-2	H27292	2002	Quistad GB, Nomura DK, Sparks SE, Segall Y, Casida JE. 2002. Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides. Toxicol Lett 135(1-2):89-93.	**20111007**
chlorpyrifos oxon (chlorpyrifos metabolite)		5598-15-2	H13858	2002	Schuh RA, Lein PJ, Beckles RA, Jett DA. 2002. Noncholinesterase mechanisms of chlorpyrifos neurotoxicity: altered phosphorylation of Ca2+/cAMP response element binding protein in cultured neurons. Toxicol Appl Pharmacol 182(2):176-185.	**20111007**
chlorpyrifos-methyl oxon (chlorpyrifos-methyl metabolite)	fospirate	5598-52-7	H27292	2002	Quistad GB, Nomura DK, Sparks SE, Segall Y, Casida JE. 2002. Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides. Toxicol Lett 135(1-2):89-93.	**20111007**
carbon tetrachloride		56-23-5	H07464	1984	Brogan WC, Eacho PI, Hinton DE, Colby HD. 1984. Effect of carbon tetrachloride on adrenocortical structure and function in guinea pigs. Toxicol Appl Pharmacol 75(1):118-127.	**20110505**
carbon tetrachloride		56-23-5	H07457	1994	Colby HD, Purcell H, Kominami S, Takemori S, Kossor DC. 1994. Adrenal activation of carbon tetrachloride: Role of microsomal P450 isozymes. Toxicology 94(1-3):31-40.	**20110505**
ethion		563-12-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
tributyltin oxide	TBTO; bis(tributyltin) oxide; bis(tri-n-butyltin)oxide	56-35-9	H22565	1989	Crofton KM, Dean KF, Boncek VM, Rosen MB, Sheets LP, Chernoff N, Reiter LW. 1989. Prenatal or postnatal exposure to bis(tri-n-butyltin)oxide in the rat: postnatal evaluation of teratology and behavior. Toxicol Appl Pharmacol 97(1): 113-123.	**20110505**
tributyltin oxide	TBTO; bis(tributyltin) oxide; bis(tri-n-butyltin)oxide	56-35-9	H22699	1990	Wester PW, Krajnc EI, van Leeuwen FX, Loeber JG, van der Heijden CA, Vaessen HA, Helleman PW. 1990. Chronic toxicity and carcinogenicity of bis(tri-n-butyltin)oxide (TBTO) in the rat. Food Chem Toxicol 28(3):179-196.	**20110505**

tributyltin oxide	TBTO; bis(tributyltin) oxide; bis(tri-n-butyltin)oxide	56-35-9	H23780	2007	Baken KA, Arkusz J, Pennings JL, Vandebriel RJ, van Loveren H. 2007. In vitro immunotoxicity of bis(tri-n-butyltin)oxide (TBTO) studied by toxicogenomics. Toxicology 237(1-3):35-48.	**20110616**
tributyltin acetate	TBT acetate	56-36-0	W12789	2006	Suzuki N, Tabata MJ, Kambegawa A, Srivastav AK, Shirnada A, Takeda H, Kobayashi M, Wada S, Katsumata T, Hattori A. 2006. Tributyltin inhibits osteoblastic activity and disrupts calcium metabolism through an increase in plasma calcium and calcitonin levels in teleosts. Life Sci 78(21):2533-2541.	**20110714**
parathion	ethyl-parathion	56-38-2	W01972	1986	Rattner BA, Clarke RN, Ottinger MA. 1986. Depression of plasma luteinizinag hormone concentration in quail by the anticholinesterase insecticide parathion. Comparative Biochemistry & Physiology C 83(2):451-453.	**20110505**
parathion	ethyl-parathion	56-38-2	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
parathion	ethyl-parathion	56-38-2	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**
parathion	ethyl-parathion	56-38-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,2',4,6,6'-pentachlorobiphenyl	PCB-104	56558-16-8	H07089	1997	Fielden MR, Chen I, Chittim B, Safe SH, Zacharewski TR. 1997. Examination of the estrogenicity of 2,4,6,2',6'-pentachlorobiphenyl (PCB 104), its hydroxylated metabolite 2,4,6,2',6'-pentachloro-4-biphenylol (HO-PCB 104), and a further chlorinated derivative, 2,4,6,2',4',6'-hexachlorobiphenyl (PCB 155). Environ Health Perspect 105(11):1238-1248.	**20110505**
4,4'-dihydroxy-2-chlorobiphenyl	4,4'-diOH-PCB-1; 2-chloro-4,4'-biphenyldiol; 4,4'-dihydroxy-2'-chlorobiphenyl	56858-70-9	H00776	1988	Korach KS, Sarver P, Chae K, McLachlan JA, McKinney JD. 1988. Estrogen receptor-binding activity of polychlorinated hydroxybiphenyls: conformationally restricted structural probes. Mol Pharmacol 33(1):120-126.	**20110505**
2-hydroxybenzo(a)pyrene		56892-30-9	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
tolclofos-methyl		57018-04-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

glyceollins		57103-57-8 (glyceollin I); 67314-98-1(glyceollin II); 61080-23-7 (glyceollin III); see also 66241-09-6 (glyceollin);	H21373	2001	Burow ME, Boue SM, Collins-Burow BM, Melnik LI, Duong BN, Carter-Wientjes CH, Li S, Wiese TE, Cleveland TE, McLachlan JA. 2001. Phytochemical glyceollins, isolated from soy, mediate antihormonal effects through estrogen receptor alpha and beta. J Clin Endocrinol Metab 86(4): 1750-1758.	**20110505**
2,3,4,7,8-pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4,7,8-pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
2,3,4,7,8-pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	H22596	1990	Harris M, Zacharewski T, Safe S. 1990. Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and related compounds on the occupied nuclear estrogen receptor in MCF-7 human breast cancer cells. Cancer Res 50(12):3579-3584.	**20110505**
2,3,4,7,8-pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
2,3,8-trichlorodibenzofuran	2,3,8-TriCDF	57117-32-5	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4-trichlorodibenzofuran	2,3,4-TriCDF	57117-34-7	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,6,8-tetrachlorodibenzofuran	2,3,6,8-TCDF	57117-37-0	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
1,2,3,7,8-pentachlorodibenzofuran	1,2,3,7,8-PeCDF	57117-41-6	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**

1,2,3,7,8-pentachlorodibenzofuran	1,2,3,7,8-PeCDF	57117-41-6	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
1,2,3,6,7,8-hexachlorodibenzofuran	1,2,3,6,7,8-HxCDF	57117-44-9	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
1,2,3,6,7,8-hexachlorodibenzofuran	1,2,3,6,7,8-HxCDF	57117-44-9	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
epofenonane		57342-02-6	W14671	2005	Oda S, Tatarazako N, Watanabe H, Morita M, Iguchi T. 2005. Production of male neonates in Daphnia magna (Cladocera, Crustacea) exposed to juvenile hormones and their analogs. Chemosphere 61(8):1168-1174.	**20110505**
3,3',4,4',5-pentachlorobiphenyl	PCB-126	57465-28-8	H22623	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
3,3',4,4',5-pentachlorobiphenyl	PCB-126	57465-28-8	H05991	1995	Holene E, Nafstad I, Skaare JU, Bernhoft A, Engen P, Sagvolden T. 1995. Behavioral effects of pre- and postnatal exposure to individual polychlorinated biphenyl congeners in rats. Environ Toxicol Chem 14(6):967-976.	**20110505**
3,3',4,4',5-pentachlorobiphenyl	PCB-126	57465-28-8	H05763	1995	Van Birgelen APJM, Smit EA, Kampen IM, Groeneveld CN, Fase KM, Van der Kolk J, Poiger H, Van den Berg M, Koeman JH, Brouwer A. 1995. Subchronic effects of 2,3,7,8-TCDD or PCBs on thyroid hormone metabolism - Use in risk assessment. European Journal of Pharmacology - Environmental Toxicology & Pharmacology Section 293(1):77-85.	**20110505**
3,3',4,4',5-pentachlorobiphenyl	PCB-126	57465-28-8	H06505	1997	Schantz SL, Seo B-W, Moshtaghian J, Amin S. 1997. Developmental exposure to polychlorinated biphenyls or dioxin: do changes in thyroid function mediate effects on spatial learning? Am Zool 37(4):399-408.	**20110505**
3,3',4,4',5-pentachlorobiphenyl	PCB-126	57465-28-8	H08375	1999	Ramamoorthy K, Gupta MS, Sun G, McDougal A, Safe SH. 1999. 3,3'4,4'-Tetrachlorobiphenyl exhibits antiestrogenic and antitumorigenic activity in the rodent uterus and mammary cells and in human breast cancer cells. Carcinogenesis 20(1):115-123.	**20110505**
2,3-dichlorophenol		576-24-9	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
2,3-dichlorophenol		576-24-9	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
sulfamethazine	sulfamidine	57-68-1	H24037	1995	Doerge DR, Divi RL. 1995 Jul. Porphyrin pi-cation and protein radicals in peroxidase catalysis and inhibition by anti-thyroid chemicals. Xenobiotica 25(7):761-767.	**20110505**

4'-hydroxy-2,3',4,5,5'-pentachlorobiphenyl	4'-OH-PCB-120	57696-55-6	H07166	1998	Schuur AG, Brouwer A, Bergman A, Coughtrie MWH, Visser TJ. 1998. Inhibition of thyroid hormone sulfation by hydroxylated metabolites of polychlorinated biphenyls. Chem Biol Interact 109(1-3):293-297.	**20110505**
4'-hydroxy-2,3',4,5,5'-pentachlorobiphenyl	4'-OH-PCB-120	57696-55-6	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
chlordane		57-74-9	H00060	1984	Cranmer JM, Cranmer MF, Goad PT. 1984. Prenatal chlordane exposure: effects on plasma corticosterone concentrations over the lifespan of mice. Environ Res 35(1):204-210.	**20110505**
chlordane		57-74-9	H00061	1987	Haake J, Kelley M, Keys B, Safe S. 1987. The effects of organochlorine pesticides as inducers of testosterone and benzo[a]pyrene hydroxylases. Gen Pharmacol 18(2):165-169.	**20110505**
3-phenylphenol	m-phenylphenol; 3-hydroxybiphenyl	580-51-8	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
3-phenylphenol	m-phenylphenol; 3-hydroxybiphenyl	580-51-8	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
caffeine		58-08-2	H00394	1987	Tanaka H, Nakazawa K, Arima M. 1987. Effects of maternal caffeine ingestion on the perinatal cerebrum. Biol Neonate 51:332-339.	**20110505**
caffeine		58-08-2	H12726	1998	Fort DJ, Stover EL, Propst TL, Faulkner BC, Vollmuth TA, Murray FJ. 1998. Evaluation of the developmental toxicity of caffeine and caffeine metabolites using the frog embryo teratogenesis assay--Xenopus (FETAX). Food & Chemical Toxicology 36(7):591-600.	**20110505**
caffeine		58-08-2	H23867	2008	Yun JW, Shin ES, Cho SY, Kim SH, Kim CW, Lee TR, Kim BH. 2008. The effects of BADGE and caffeine on the time-course response of adiponectin and lipid oxidative enzymes in high fat diet-fed C57BL/6J mice: correlation with reduced adiposity and steatosis. Exp Anim 57(5):461-469.	**20110505**
chloropropylate		5836-10-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
nitrosobenzene		586-96-9	H24037	1995	Doerge DR, Divi RL. 1995 Jul. Porphyrin pi-cation and protein radicals in peroxidase catalysis and inhibition by anti-thyroid chemicals. Xenobiotica 25(7):761-767.	**20110505**
1,2,4,7,8-pentachlorodibenzofuran	1,2,4,7,8-PeCDF	58802-15-6	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**

1,2,4,7,8-pentachlorodibenzofuran	1,2,4,7,8-PeCDF	58802-15-6	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
1,3,4,7,8-pentachlorodibenzofuran	1,3,4,7,8-PeCDF	58802-16-7	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
1,2,7,8-tetrachlorodibenzofuran	1,2,7,8-TCDF	58802-20-3	H22630	1992	Liu H, Biegel L, Narasimhan TR, Rowlands C, Safe S. 1992. Inhibition of insulin-like growth factor-I responses in MCF-7 cells by 2,3,7,8-tetrachlorodibenzo-p-dioxin and related compounds. Mol Cell Endocrinol 87(1-3):19-28.	**20110505**
1,2,7,8-tetrachlorodibenzofuran	1,2,7,8-TCDF	58802-20-3	H07250	1994	Harper N, Wang X, Liu H, Safe S. 1994. Inhibition of estrogen-induced progesterone receptor in MCF-7 human breast cancer cells by aryl hydrocarbon (Ah) receptor agonists. Molecular & Cellular Endocrinology 104(1):47-55.	**20110505**
hexachlorocyclohexane, gamma-	lindane; gamma-HCH; gamma-benzene hexachloride; gamma-BHC	58-89-9	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
hexachlorocyclohexane, gamma-	lindane; gamma-HCH; gamma-benzene hexachloride; gamma-BHC	58-89-9	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
hexachlorocyclohexane, gamma-	lindane; gamma-HCH; gamma-benzene hexachloride; gamma-BHC	58-89-9	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
hexachlorocyclohexane, gamma-	lindane; gamma-HCH; gamma-benzene hexachloride; gamma-BHC	58-89-9	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
hexachlorocyclohexane, gamma-	lindane; gamma-HCH; gamma-benzene hexachloride; gamma-BHC	58-89-9	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
2,2',4,4',5,5'-hexabromobiphenyl	PBB-153	59080-40-9	H01132	1982	Akoso BT, Sleight SD, Nachreiner RF, Aust SD. 1982. Effects of purified polybrominated biphenyl congeners on the thyroid and pituitary glands in rats. Journal of the American College of Toxicology 1(3):23-36.	**20110505**

4-chloro-3-methylphenol	4-chloro-3-cresol; 4-chloro-m-cresol (4-CmC)	59-50-7	H23885	1998	Korner W, Hanf V, Schuller W, Bartsch H, Zwirner M, Hagenmaier H. 1998. Validation and application of a rapid in vitro assay for assessing the estrogenic potency of halogenated phenolic chemicals. Chemosphere 37(9-12): 2395-2407.	**20110505**
4-chloro-3-methylphenol	4-chloro-3-cresol; 4-chloro-m-cresol (4-CmC)	59-50-7	H23925	2003	Graves TK, Hinkle PM. 2003. Ca(2+)-induced Ca(2+) release in the pancreatic beta-cell: direct evidence of endoplasmic reticulum Ca(2+) release. Endocrinology 144(8):3565-3574.	**20110505**
4-chloro-3-methylphenol	4-chloro-3-cresol; 4-chloro-m-cresol (4-CmC)	59-50-7	H23926	2005	Hauser CJ, Kannan KB, Deitch EA, Itagaki K. 2005. Non-specific effects of 4-chloro-m-cresol may cause calcium flux and respiratory burst in human neutrophils. Biochem Biophys Res Commun 336(4):1087-1095.	**20110505**
4-chloro-3-methylphenol	4-chloro-3-cresol; 4-chloro-m-cresol (4-CmC)	59-50-7	H23928	2007	Klegeris A, Choi HB, McLarnon JG, McGeer PL. 2007. Functional ryanodine receptors are expressed by human microglia and THP-1 cells: Their possible involvement in modulation of neurotoxicity. J Neurosci Res 85(10):2207-2215.	**20110505**
4-chloro-3-methylphenol	4-chloro-3-cresol; 4-chloro-m-cresol (4-CmC)	59-50-7	H22989	2009	Ghisari M, Bonefeld-Jorgensen EC. 2009. Effects of plasticizers and their mixtures on estrogen receptor and thyroid hormone functions. Toxicol Lett 189(1):67-77.	**20110505**
polybrominated biphenyls	Firemaster BP-6	59536-65-1 (Firemaster BP-6)	H14494	1978	Harris SJ, Cecil HC, Bitman J. 1978. Embryotoxic effects of polybrominated biphenyls (PBB) in rats. Environ Health Perspect 23:295-300.	**20110505**
polybrominated biphenyls	Firemaster BP-6	59536-65-1 (Firemaster BP-6)	H01132	1982	Akoso BT, Sleight SD, Nachreiner RF, Aust SD. 1982. Effects of purified polybrominated biphenyl congeners on the thyroid and pituitary glands in rats. Journal of the American College of Toxicology 1(3):23-36.	**20110505**
polybrominated biphenyls	Firemaster BP-6	59536-65-1 (Firemaster BP-6)	H06266	1983	Gupta BN, McConnell EE, Goldstein JA, Harris MW, Moore JA. 1983. Effects of a polybrominated biphenyl mixture in the rat and mouse. I. Six-month exposure. Toxicol Appl Pharmacol 68(1):1-18.	**20110505**
glabridin		59870-68-7	H21382	2000	Tamir S, Eizenberg M, Somjen D, Stern N, Shelach R, Kaye A, Vaya J. 2000. Estrogenic and antiproliferative properties of glabridin from licorice in human breast cancer cells. Cancer Res 60(20):5704-5709.	**20110505**
3,3',4,4',5,5'-hexabromobiphenyl	PBB-169	60044-26-0	H01132	1982	Akoso BT, Sleight SD, Nachreiner RF, Aust SD. 1982. Effects of purified polybrominated biphenyl congeners on the thyroid and pituitary glands in rats. Journal of the American College of Toxicology 1(3):23-36.	**20110505**
3,3',4,4',5,5'-hexabromobiphenyl	PBB-169	60044-26-0	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
fenarimol		60168-88-9	H17263	1999	Vinggaard AM, Breinholt V, Larsen JC. 1999. Screening of selected pesticides for oestrogen receptor activation in vitro. Food Additives & Contaminants 16(12):533-542.	**20110505**
fenarimol		60168-88-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

fenarimol		60168-88-9	H18408	2006	Lemaire G, Mnif W, Pascussi JM, Pillon A, Rabenoelina F, Fenet H, Gomez E, Casellas C, Nicolas JC, Cavailles V, Duchesne MJ, Balaguer P. 2006. Identification of new human pregnane X receptor ligands among pesticides using a stable reporter cell system. Toxicol Sci 91(2):501-509.	**20110505**
propiconazole	(propioconazole: misspelling)	60207-90-1	H10159	2000	Vinggaard AM, Hnida C, Breinholt V, Larsen JC. 2000. Screening of selected pesticides for inhibition of CYP19 aromatase activity in vitro. Toxicol in Vitro 14(3):227-234.	**20110505**
propiconazole	(propioconazole: misspelling)	60207-90-1	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
propiconazole	(propioconazole: misspelling)	60207-90-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
propiconazole	(propioconazole: misspelling)	60207-90-1	H19711	2006	Trosken ER, Adamska M, Arand M, Zarn JA, Patten C, Volkel W, Lutz WK. 2006. Comparison of lanosterol-14 alpha-demethylase (CYP51) of human and Candida albicans for inhibition by different antifungal azoles. Toxicology 228(1):24-32.	**20110505**
propiconazole	(propioconazole: misspelling)	60207-90-1	H21905	2008	Taxvig C, Vinggaard AM, Hass U, Axelstad M, Metzdorff S, Nellemann C. 2008. Endocrine-disrupting properties in vivo of widely used azole fungicides. Int J Androl 31(2):170-176.	**20110505**
homocysteine		6027-13-0	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**
aurin		603-45-2	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
2,2',4,4',5-pentabromodiphenyl ether	PBDE- 99	60348-60-9	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
2,6-dichlorodibenzofuran	2,6-DiCDF	60390-27-4	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
dimethoate		60-51-5	H25201	2000	Walsh LP, Webster DR, Stocco DM. 2000. Dimethoate inhibits steroidogenesis by disrupting transcription of the steroidogenic acute regulatory (StAR) gene. J Endocrinol 167(2):253-263.	**20110505**
4,4'-ethylene diphenol		6052-84-2	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**

dieldrin		60-57-1	H06335	1972	Wassermann M, Wassermann D, Kedar E, Djavaherian M, Cucos S. 1972. Effects of dieldrin and gamma BHC on serum proteins and PBI. Bull Environ Contam Toxicol 8(3):177-185.	**20110505**
dieldrin		60-57-1	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
dieldrin		60-57-1	H00061	1987	Haake J, Kelley M, Keys B, Safe S. 1987. The effects of organochlorine pesticides as inducers of testosterone and benzo[a]pyrene hydroxylases. Gen Pharmacol 18(2):165-169.	**20110505**
dieldrin		60-57-1	H02790	1994	Soto AM, Chung KL, Sonnenschein C. 1994. The pesticides endosulfan, toxaphene and dieldrin have estrogenic properties in human estrogen-sensitive cells. Environ Health Perspect 102(4):380-383.	**20110505**
dieldrin		60-57-1	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
6-hydroxy-3-chlorobiphenyl	6-OH-PCB-2	607-12-5	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
3-monobromobisphenol A	MBBPA	6073-11-6	H12152	2001	Samuelsen M, Olsen C, Holme JA, Meussen-Elholm E, Bergmann A, Hongslo JK. 2001. Estrogen-like properties of brominated analogs of bisphenol A in the MCF-7 human breast cancer cell line. Cell Biology Toxicology 17(3):139-151.	**20110505**
3-monobromobisphenol A	MBBPA	6073-11-6	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
phloretin		60-82-2	H08093	1998	Kuiper GGJM, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg P, Gustafsson JA. 1998. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. Endocrinology 139(10): 4252-4263.	**20110505**
2-methylresorcinol		608-25-3	H06275	1952	Arnott DG, Doniach I. 1952. The effect of compounds allied to resorcinol upon the uptake of radioactive iodine by the thyroid of the rat. Biochem J 50(4): 473-479.	**20110505**
2-methylresorcinol		608-25-3	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
2,3,4,6,7,8-hexachlorodibenzofuran	2,3,4,6,7,8-HxCDF	60851-34-5	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4,6,7,8-hexachlorodibenzofuran	2,3,4,6,7,8-HxCDF	60851-34-5	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**

pentabromophenol		608-71-9	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
pentachlorobenzene		608-93-5	H05771	1993	den Besten C, Bennik MHJ, Bruggeman I, Schielen P, Kuper F, Brouwer A, Koeman JH, Vos JG, Van Bladeren PJ. 1993. The role of oxidative metabolism in hexachlorobenzene-induced porphyria and thyroid hormone homeostasis - A comparison with pentachlorobenzene in a 13-week feeding study. Toxicol Appl Pharmacol 119(2):181-194.	**20110505**
4,4'-diaminobenzophenone		611-98-3	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
4,4'-dihydroxybenzophenone		611-99-4	H09915	2000	Schultz TW, Seward JR, Sinks GD. 2000. Estrogenicity of benzophenones evaluated with a recombinant yeast assay: comparison of experimental and rules-based predicted activity. Environ Toxicol Chem 19(2):301-304.	**20110505**
4,4'-dihydroxybenzophenone		611-99-4	H16357	2003	Yamasaki K, Takeyoshi M, Sawaki M, Imatanaka N, Shinoda K, Takatsuki M. 2003. Immature rat uterotrophic assay of 18 chemicals and Hershberger assay of 30 chemicals. Toxicology 183(1-3):93-115.	**20110505**
4,4'-dihydroxybenzophenone		611-99-4	H18228	2003	Yamasaki K, Takeyoshi M, Yakabe Y, Sawaki M, Takatsuki M. 2003. Comparison of the reporter gene assay for ERalpha antagonists with the immature rat uterotrophic assay of 10 chemicals. Toxicol Lett 142(1-2): 119-131.	**20110505**
4,4'-dihydroxybenzophenone		611-99-4	H17623	2005	Suzuki T, Kitamura S, Khota R, Sugihara K, Fujimoto N, Ohta S. 2005. Estrogenic and antiandrogenic activities of 17 benzophenone derivatives used as UV stabilizers and sunscreens. Toxicol Appl Pharmacol 203(1):9-17.	**20110505**
4,4'-dihydroxybenzophenone		611-99-4	H18549	2005	Heneweer M, Muusse M, van den Berg M, Sanderson JT. 2005. Additive estrogenic effects of mixtures of frequently used UV filters on pS2-gene transcription in MCF-7 cells. Toxicol Appl Pharmacol 208(2):170-177.	**20110505**
2,4-dibromophenol		615-58-7	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
chlordimeform		6164-98-3	H02867	1978	Wiltrout RW, Ercegovich CD, Ceglowski WS. 1978. Humoral immunity in mice following oral administration of selected pesticides. Bull Environ Contam Toxicol 20(3):423-431.	**20110505**
chlordimeform		6164-98-3	H07168	1988	Costa LG, Olibet G, Murphy SD. 1988. Alpha2-adrenoceptors as a target for formamidine pesticides: In vitro and in vivo studies in mice. Toxicol Appl Pharmacol 93(2):319-328.	**20110505**
chlordimeform		6164-98-3	H07167	1990	Goldman JM, Cooper RL, Laws SC, Rehnberg GL, Edwards TL, McElroy WK, Hein J. 1990. Chlordimeform-induced alterations in endocrine regulation within the male rat reproductive system. Toxicol Appl Pharmacol 104(1):25-35.	**20110505**

chlordimeform		6164-98-3	H22687	1991	Stoker TE, Goldman JM, Cooper RL, McElroy WK. 1991. Influence of chlordimeform on alpha-adrenergic receptor-associated mechanisms of hormonal regulation in the rat: pituitary and adrenocortical secretion. Toxicology 69(3):257-268.	**20110505**
chlordimeform		6164-98-3	H05974	1994	Cooper RL, Barrett MA, Goldman JM, Rehnberg GL, McElroy WK, Stoker TE. 1994. Pregnancy alterations following xenobiotic induced delays in ovulation in the female rat. Fundam Appl Toxicol 22(3):474-480.	**20110505**
amitrole	aminotriazole; aminotriazol; amitrol; 3-amino-1,2,4-triazole	61-82-5	H03192	1960	Jukes TH, Shaffer CB. 1960. Antithyroid effects of aminotriazole. Science 132(3422):296-297.	**20110505**
amitrole	aminotriazole; aminotriazol; amitrol; 3-amino-1,2,4-triazole	61-82-5	H22581	1968	Fregly MJ. 1968. Effect of aminotriazole on thyroid function in the rat. Toxicol Appl Pharmacol 13(3):271-286.	**20110505**
amitrole	aminotriazole; aminotriazol; amitrol; 3-amino-1,2,4-triazole	61-82-5	H06445	1983	Steinhoff D, Weber H, Mohr U, Boehme K. 1983. Evaluation of amitrole (aminotriazole) for potential carcinogenicity in orally dosed rats, mice, and golden hamsters. Toxicol Appl Pharmacol 69(2):161-169.	**20110505**
amitrole	aminotriazole; aminotriazol; amitrol; 3-amino-1,2,4-triazole	61-82-5	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
atrazine-desethyl (atrazine metabolite)		6190-65-4	H11792	2001	Sanderson JT, Letcher RJ, Heneweer M, Giesy JP, van den Berg M. 2001. Effects of chloro-s-triazine herbicides and metabolites on aromatase activity in various human cell lines and on vitellogenin production in male carp hepatocytes. Environ Health Perspect 109(10):1027-1031.	**20110505**
3-ethylphenol		620-17-7	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
bisphenol F	BPF; bis(4-hydroxyphenyl)methane; 4,4'-methylenediphenol; 4,4'-methylenebis(phenol); 4,4'-dihydroxydiphenylmethane; bakelite	620-92-8	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**

bisphenol F	BPF; bis(4-hydroxyphenyl)methane; 4,4'-methylenediphenol; 4,4'-methylenebis(phenol); 4,4'-dihydroxydiphenylmethane; bakelite	620-92-8	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
bisphenol F	BPF; bis(4-hydroxyphenyl)methane; 4,4'-methylenediphenol; 4,4'-methylenebis(phenol); 4,4'-dihydroxydiphenylmethane; bakelite	620-92-8	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
bisphenol F	BPF; bis(4-hydroxyphenyl)methane; 4,4'-methylenediphenol; 4,4'-methylenebis(phenol); 4,4'-dihydroxydiphenylmethane; bakelite	620-92-8	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
methoxyacetic acid	MAA	625-45-6	H07666	1991	Allenby G, Foster PM, Sharpe RM. 1991. Evaluation of changes in the secretion of immunoactive inhibin by adult rat seminiferous tubules in vitro as an indicator of early toxicant action on spermatogenesis. Fundam Appl Toxicol 16(4):710-724.	**20110505**
thiourea		62-56-6	W13002	2006	Swapna I, Rajasekhar A, Supriya A, Raghuveer K, Rasheeda MK, Majumdar KC, Kagawa H, Tanaka H, Dutta-Gupta A, Senthilkumaran B. 2006. Thiourea-induced thyroid hormone depletion impairs testicular recrudescence in the air-breathing catfish, Clarias gariepinus. Comparative Biochemistry & Physiology a-Molecular & Integrative Physiology 144(1):1-10.	**20110505**
2,4-dihydroxypyridine		626-03-9	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**
2,6-dihydroxypyridine		626-06-2	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110505**

dichlorvos	DDVP; (dichlorfos; dichlorphos; dichlorofos; dichlorophos; dichlorovos: misspellings)	62-73-7	H08355	1975	Timmons EH, Chaklos RJ, Bannister TM, Kaplan HM. 1975. Dichlorvos effects on estrous cycle onset in the rat. Lab Anim Sci 25(1):45-47.	**20110505**
dichlorvos	DDVP; (dichlorfos; dichlorphos; dichlorofos; dichlorophos; dichlorovos: misspellings)	62-73-7	H08374	1975	Wyrobek AJ, Bruce WR. 1975. Chemical induction of sperm abnormalities in mice. Proceedings of the National Academy of Sciences USA 72(11): 4425-4429.	**20110505**
dichlorvos	DDVP; (dichlorfos; dichlorphos; dichlorofos; dichlorophos; dichlorovos: misspellings)	62-73-7	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
9,10-dihydroxy-9,10-di-n-butyl-9,10-dihydro-1,2,5,6-dibenzanthracene		63041-53-2	H22562	1934	Cook JW, Dodds EC, Hewett CL, Lawson W. 1934. The oestrogenic activity of some condensed-ring compounds in relation to their other biological activities. Proc Roy Soc Ser B 114(788):272-286.	**20110505**
9,10-dihydroxy-9,10-di-n-propyl-9,10-dihydro-1,2,5,6-dibenzanthracene		63041-56-5	H22562	1934	Cook JW, Dodds EC, Hewett CL, Lawson W. 1934. The oestrogenic activity of some condensed-ring compounds in relation to their other biological activities. Proc Roy Soc Ser B 114(788):272-286.	**20110505**
dibromoacetic acid	DBAA	631-64-1	H07499	1997	Linder RE, Klinefelter GR, Strader LF, Veeramachaneni DNR, Roberts NL, Suarez JD. 1997. Histopathologic changes in the testes of rats exposed to dibromoacetic acid. Reprod Toxicol 11(1):47-56.	**20110505**
carbaryl	carbaril; sevin	63-25-2	H22681	1968	Smalley HE, Curtis JM, Earl FL. 1968. Teratogenic action of carbaryl in beagle dogs. Toxicol Appl Pharmacol 13(3):392-403.	**20110505**
carbaryl	carbaril; sevin	63-25-2	H22597	1971	Hassan A. 1971. Pharmacological effects of carbaryl. I. The effect of carbaryl on the synthesis and degradation of catecholamines in the rat. Biochem Pharmacol 20(9):2299-308.	**20110505**
carbaryl	carbaril; sevin	63-25-2	H22571	1974	Dieringer CS, Thomas JA. 1974. Effects of carbaryl on the metabolism of androgens in the prostate and liver of the mouse. Environ Res 7(3):381-386.	**20110505**
carbaryl	carbaril; sevin	63-25-2	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
carbaryl	carbaril; sevin	63-25-2	H10357	1997	Klotz DM, Arnold SF, McLachlan JA. 1997. Inhibition of 17 beta-estradiol and progesterone activity in human breast and endometrial cancer cells by carbamate insecticides. Life Sci 60(17):1467-1475.	**20110505**

nuarimol		63284-71-9	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
4-phenethylphenol		6335-83-7	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
3,3',5-tribromobisphenol A	TriBBPA	6386-73-8	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
3,3',5-tribromobisphenol A	TriBBPA	6386-73-8	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
cycloprothrin		63935-38-6	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
triphenyltin chloride	TPT chloride; fentin chloride	639-58-7	W08527	2000	Schulte-Oehlmann U, Tillmann M, Markert B, Oehlmann J, Watermann B, Scherf S. 2000. Effects of endocrine disruptors on prosobranch snails (Mollusca: Gastropoda) in the laboratory. Part II: triphenyltin as a xeno-androgen. Ecotoxicology 9(6):399-412.	**20110505**
triphenyltin chloride	TPT chloride; fentin chloride	639-58-7	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
triphenyltin chloride	TPT chloride; fentin chloride	639-58-7	H07703	1983	Snow RL, Hays RL. 1983. Phasic distribution of seminiferous tubules in rats treated with triphenyltin compounds. Bull Environ Contam Toxicol 31(6): 658-665.	**20110616**
triphenyltin chloride	TPT chloride; fentin chloride	639-58-7	H06141	1997	Ema M, Miyawaki E, Harazono A, Ogawa Y. 1997. Effects of triphenyltin chloride on implantation and pregnancy in rats. Reprod Toxicol 11(2-3): 201-206.	**20110616**
triphenyltin chloride	TPT chloride; fentin chloride	639-58-7	W10574	2003	Duft M, Schulte-Oehlmann U, Tillmann M, Markert B, Oehlmann J. 2003. Toxicity of triphenyltin and tributyltin to the freshwater mudsnail Potamopyrgus antipodarum in a new sediment biotest. EnvironToxicol Chem 22(1):145-152.	**20110616**
2,3-dichlorodibenzofuran	2,3-DiCDF	64126-86-9	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**

1,2,4,8-tetrachlorodibenzofuran	1,2,4,8-TCDF	64126-87-0	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
anilofos		64249-01-0	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
bisphenol A ethoxylate diacrylate	BPA-EDA	64401-02-1	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
ethiozin	ethyl metribuzin; ebuzin; Tycor	64529-56-2	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
4-n-propylphenol	4-propylphenol	645-56-7	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-n-propylphenol	4-propylphenol	645-56-7	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
3,5,6-trichloro-2-pyridinol (chlorpyrifos metabolite)	TCP; TCPy; 3,5,6-trichloropyridinol; trichloropyridinol	6515-38-4	H13858	2002	Schuh RA, Lein PJ, Beckles RA, Jett DA. 2002. Noncholinesterase mechanisms of chlorpyrifos neurotoxicity: altered phosphorylation of Ca2+/cAMP response element binding protein in cultured neurons. Toxicol Appl Pharmacol 182(2):176-185.	**20111007**
avermectin B1A		65195-55-3	H25203	1997	Huang J, Casida JE. 1997. Avermectin B1a binds to high- and low-affinity sites with dual effects on the gamma-aminobutyric acid-gated chloride channel of cultured cerebellar granule neurons. J Pharmacol Exp Ther 281(1):261-266.	**20110505**
isopentyl paraben	isoamyl-4-hydroxybenzoate	6521-30-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
benzoic acid		65-85-0	H07194	1995	Mineo H, Ohdate T, Fukumura K, Katayama T, Onaga T, Kato S, Yanaihara N. 1995. Effects of benzoic acid and its analogues on insulin and glucagon secretion in sheep. Eur J Pharmacol 280(2):149-154.	**20110505**
4,4'-dihydroxystilbene		659-22-3	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
pencycuron		66063-05-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

esfenvalerate		66230-04-4	W04176	1995	Barry MJ, O'Halloran K, Logan DC, Ahokas JT, Holdway DA. 1995. Sublethal effects of esfenvalerate pulse-exposure on spawning and non-spawning Australian crimson-spotted rainbowfish (Melanotaenia fluviatilis). Arch Environ Contam Toxicol 28(4):459-463.	**20110505**
esfenvalerate		66230-04-4	W02270	1996	Tanner DK, Knuth ML. 1996. Effects of esfenvalerate on the reproductive success of the bluegill sunfish, Lepomis macrochirus in littoral enclosures. Arch Environ Contam Toxicol 31(2):244-251.	**20110505**
penconazole		66246-88-6	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
2-chloro-4-methylphenol		6640-27-3	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
forskolin		66575-29-9	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
3'-methylsulfonyl-2,2',3,4,5'-pentachlorobiphenyl	3'-MeSO2-PCB-87	66640-58-2	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
3'-methylsulfonyl-2,2',4,5,5'-pentachlorobiphenyl	3'-MeSO2-PCB-101	66640-60-6	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
4'-methylsulfonyl-2,2',4,5,5'-pentachlorobiphenyl	4'-MeSO2-PCB-101	66640-61-7	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
cycloheximide		66-81-9	H23810	1995	Loukovaara M, Carson M, Adlercreutz H. 1995. Regulation of sex hormone-binding globulin secretion and gene expression by cycloheximide in vitro. J Steroid Biochem Mol Biol 54(3-4):141-146.	**20110505**
1,2,3,4,8-pentachlorodibenzofuran	1,2,3,4,8-PeCDF	67517-48-0	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
xanthohumol		6754-58-1 (xanthohumol from hop)	H11932	2001	Coldham NG, Sauer MJ. 2001. Identification, quantitation and biological activity of phytoestrogens in a dietary supplement for breast enhancement. Food & Chemical Toxicology 39(12):1211-1224.	**20110505**

octylphenol		67554-50-1	H19760	2007	Fan WQ, Yanase T, Morinaga H, Gondo S, Okabe T, Nomura M, Komatsu T, Morohashi K-I, Hayes TB, Takayanagi R, Nawata H. 2007. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. Environ Health Perspect 115(5):720-727.	**20110505**
1,2,4,6,7,8-hexachlorodibenzofuran	1,2,4,6,7,8-HxCDF	67562-40-7	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
4'-hydroxy-2,3,4,5-tetrachlorobiphenyl	4'-OH-PCB-61	67651-34-7	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4-hydroxy-2',3',4',5'-tetrachlorobiphenyl	4'-OH-PCB-61	67651-34-7	H13035	1997	Jin L, Tran DQ, Ide CF, McLachlan JA, Arnold SF. 1997. Several synthetic chemicals inhibit progesterone receptor-mediated transactivation in yeast. Biochemical & Biophysical Research Communications 233(1):139-146.	**20110505**
4'-hydroxy-2,3,4,5-tetrachlorobiphenyl	4'-OH-PCB-61	67651-34-7	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
6'-hydroxy-2,3,3',4,5-pentachlorobiphenyl	6'-OH-PCB-106	67651-36-9	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
3'-hydroxy-2,3,4,5-tetrachlorobiphenyl	3'-OH-PCB-61	67651-37-0	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,3,7,8-tetrabromodibenzofuran	2,3,7,8-TBDF	67733-57-7	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**
prochloraz		67747-09-5	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
prochloraz		67747-09-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,3',4,4',5,5'-hexabromobiphenyl	PBB-167	67888-99-7	H01132	1982	Akoso BT, Sleight SD, Nachreiner RF, Aust SD. 1982. Effects of purified polybrominated biphenyl congeners on the thyroid and pituitary glands in rats. Journal of the American College of Toxicology 1(3):23-36.	**20110505**

2,2-bis(4-hydroxyphenyl)-4-methyl-n-pentane		6807-17-6	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
cyhalothrin		68085-85-8	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
dimethylformamide	DMFA	68-12-2	H05989	1996	Ren L, Meldahl A, Lech JJ. 1996. Dimethyl formamide (DMFA) and ethylen glycol (EG) are estrogenic in rainbow trout. Chem Biol Interact 102(1):63-67.	**20110505**
ATII	traseolide; 5-acetyl-1,1,2,6-tetramethyl-3-isopropylindan	68140-48-7	H25368	2007	Mori T, Iida M, Ishibashi H, Kohra S, Takao Y, Takemasa T, Arizono K. 2007. Hormonal activity of polycyclic musks evaluated by reporter gene assay. Environ Sci 14(4):195-202.	**20110505**
6-prenylnaringenin		68236-13-5	H11932	2001	Coldham NG, Sauer MJ. 2001. Identification, quantitation and biological activity of phytoestrogens in a dietary supplement for breast enhancement. Food & Chemical Toxicology 39(12):1211-1224.	**20110505**
mono-1-(methyl)-heptyl phthalate	MHP	68296-97-9	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
dibutyltin dichloride	DBT dichloride; di-n-butyltin dichloride	683-18-1	H00250	1988	Snoeij NJ, Penninks AH, Seinen W. 1988. Dibutyltin and tributyltin compounds induce thymus atrophy in rats due to a selective action on thymic lymphoblasts. Int J Immunopharmacol 10(7):891-899.	**20110616**
dibutyltin dichloride	DBT dichloride; di-n-butyltin dichloride	683-18-1	H12031	2001	Nakagomi M, Suzuki E, Usumi K, Saitoh Y, Yoshimura S, Nagao T, Ono H. 2001. Effects of endocrine disrupting chemicals on the microtubule network in Chinese hamster V79 cells in culture and in Sertoli cells in rats. Teratogenesis, Carcinogenesis & Mutagenesis 21(6):453-462.	**20110616**
cyfluthrin		68359-37-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
cyfluthrin		68359-37-5	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
2,2',4,4',5,5'-hexabromodiphenyl ether	PBDE-153	68631-49-2	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
triflumizole		68694-11-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

tributyltin	TBT hydride; tri-n-butyltin hydride	688-73-3	H10800	2000	Yamabe Y, Hoshino A, Imura N, Suzuki T, Himeno S. 2000. Enhancement of androgen-dependent transcription and cell proliferation by tributyltin and triphenyltin in human prostate cancer cells. Toxicol Appl Pharmacol 169(2): 177-184.	**20110505**
monocrotophos		6923-22-4	H07923	1987	Pilo B, Mehan SP. 1987. Effect of cholinesterase inhibitors on acetylcholine and insulin induced glucose uptake and certain hepatic enzymes in pigeon liver: an in vitro study. Indian Journal of Physiology & Pharmacology 31:159-169.	**20110505**
monocrotophos		6923-22-4	W08968	1988	Kumar S, Pant SC. 1988. Comparative sublethal ovarian pathology of some pesticides in the teleost, Puntius conchonius Hamilton. Bull Environ Contam Toxicol 41(2):227-232.	**20110505**
fluvalinate		69409-94-5	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
1,2,4,6,8-pentachlorodibenzofuran	1,2,4,6,8-PeCDF	69698-57-3	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
fluazifop-butyl		69806-50-4	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
2,4,4'-trichlorobiphenyl	PCB-28	7012-37-5	H03089	1993	Ness DK, Schantz SL, Moshtaghian J, Hansen LG. 1993. Effects of perinatal exposure to specific to PCB congeners on thyroid hormone concentrations and thyroid histology in the rat. Toxicol Lett 68(3):311-323.	**20110505**
2,4,4'-trichlorobiphenyl	PCB-28	7012-37-5	H02419	1996	Chu I, Villeneuve DC, Yagminas A, Lecavalier P, Poon R, Hakansson H, Ahlborg UG, Valli VE, Kennedy SW, Bergman A, Seegal RF, Feeley M. 1996. Toxicity of 2,4,4'-trichlorobiphenyl in rats following 90-day dietary exposure. J Toxicol Environ Health 49(3):301-318.	**20110505**
2,4,4'-trichlorobiphenyl	PCB-28	7012-37-5	H06505	1997	Schantz SL, Seo B-W, Moshtaghian J, Amin S. 1997. Developmental exposure to polychlorinated biphenyls or dioxin: do changes in thyroid function mediate effects on spatial learning? Am Zool 37(4):399-408.	**20110505**
flucythrinate		70124-77-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
hexachlorophene	2,2'-methylenebis(3,4,6-trichlorophenol)	70-30-4	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
hexachlorophene	2,2'-methylenebis(3,4,6-trichlorophenol)	70-30-4	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

2,2',4,5-tetrachlorobiphenyl	PCB-48	70362-47-9	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
3,4,4',5-tetrachlorobiphenyl	PCB-81	70362-50-4	W02182	1994	Harris GE, Kiparissis Y, Metcalfe CD. 1994. Assessment of the toxic potential of PCB congener 81 (3,4,4',5-tetrachlorobiphenyl) to fish in relation to other non-ortho-substituted PCB congeners. Environ Toxicol Chem 13(9): 1405-1413.	**20110505**
1,2,3,4,7,8-hexachlorodibenzofuran	1,2,3,4,7,8-HxCDF	70648-26-9	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
1,2,3,4,7,8-hexachlorodibenzofuran	1,2,3,4,7,8-HxCDF	70648-26-9	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
4'-hydroxypropiophenone	4-hydroxypropiophenone; paroxypropione	70-70-2	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
isoxanthohumol		70872-29-6	H11932	2001	Coldham NG, Sauer MJ. 2001. Identification, quantitation and biological activity of phytoestrogens in a dietary supplement for breast enhancement. Food & Chemical Toxicology 39(12):1211-1224.	**20110505**
isoxanthohumol		70872-29-6	H25130	2011	Izzo G, Soder O, Svechnikov K. 2011. The prenylflavonoid phytoestrogens 8-prenylnaringenin and isoxanthohumol diferentially suppress steroidogenesis in rat Leydig cells in ontogenesis. J Appl Toxicol 31(6):589-594.	**20110505**
5,6-cyclopenteno-1,2-benzanthracene	2,3-dihydro-1H-benzo(a)cyclopent(h)anthracene	7099-43-6	H22562	1934	Cook JW, Dodds EC, Hewett CL, Lawson W. 1934. The oestrogenic activity of some condensed-ring compounds in relation to their other biological activities. Proc Roy Soc Ser B 114(788):272-286.	**20110505**
propanil	DCPA (Japan); 3,4-dichloropropionanilide. [See also DCPA (USA)]	709-98-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
propanil	DCPA (Japan); 3,4-dichloropropionanilide. [See also DCPA (USA)]	709-98-8	H19375	2006	Salazar KD, Miller MR, Barnett JB, Schafer R. 2006. Evidence for a novel endocrine disruptor: The pesticide propanil requires the ovaries and steroid synthesis to enhance humoral immunity. Toxicol Sci 93(1):62-74.	**20110505**
benzene		71-43-2	H02489	1989	Wierda D, King A, Luebke R, Reasor M, Smialowicz R. 1989. Perinatal immunotoxicology of benzene toward mouse B cell development. Journal of the American College of Toxicology 8(5):981-996.	**20110505**
benzene		71-43-2	H08652	1994	Brown-Woodman PD, Webster WS, Picker K, Huq F. 1994. In vitro assessment of individual and interactive effects of aromatic hydrocarbons on embryonic development of the rat. Reprod Toxicol 8(2):121-135.	**20110505**

pyrazoxyfen		71561-11-0	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
abamectin		71751-41-2	H25204	2003	Elbetieha A, Da'as SI. 2003. Assessment of antifertility activities of abamectin pesticide in male rats. Ecotoxicol Environ Saf 55(3):307-313.	**20110505**
indanestrol		71855-45-3	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
2,2',4,4',5,5'-hexachlorodiphenyl ether	PCDE-153 (IUPAC); PCDE-32 (unknown system)	71859-30-8	H06176	1997	Rosiak KL, Seo BW, Chu I, Francis BM. 1997. Effects of maternal exposure to chlorinated diphenyl ethers on thyroid hormone concentrations in maternal and juvenile rats. Journal of Environmental Science & Health - Part B: Pesticides, Food Contaminants, & Agricultural Wastes B32(3):377-393.	**20110505**
1,3,6,8-tetrachlorodibenzofuran	1,3,6,8-TCDF	71998-72-6	H22596	1990	Harris M, Zacharewski T, Safe S. 1990. Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and related compounds on the occupied nuclear estrogen receptor in MCF-7 human breast cancer cells. Cancer Res 50(12):3579-3584.	**20110505**
1,3,6,8-tetrachlorodibenzofuran	1,3,6,8-TCDF	71998-72-6	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
1,2,4,7,9-pentachlorodibenzofuran	1,2,4,7,9-PeCDF	71998-74-8	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
endrin		72-20-8	H22589	1969	Good EE, Ware GW. 1969. Effects of insecticides on reproduction in the laboratory mouse. IV. Endrin and dieldrin. Toxicol Appl Pharmacol 14(1): 201-203.	**20110505**
endrin		72-20-8	W05033	1975	Grant BF, Mehrle PM. 1975. Endrin toxicosis in rainbow trout (Salmo gairdneri). Journal of the Fisheries Research Board of Canada 30(1):31-40.	**20110505**
endrin		72-20-8	H22559	1979	Chernoff N, Kavlock RJ, Hanisch RC, Whitehouse DA, Gray JA, Gray LE Jr, Sovocool GW. 1979. Perinatal toxicity of endrin in rodents. I. Fetotoxic effects of prenatal exposure in hamsters. Toxicology 13(2):155-165.	**20110505**
endrin		72-20-8	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
endrin		72-20-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
beta-carotene		7235-40-7	H21381	1998	Rosenberg RS, Grass L, Jenkins DJ, Kendall CWC, Diamandis EP. 1998. Modulation of androgen and progesterone receptors by phytochemicals in breast cancer cell lines. Biochemical & Biophysical Research Communications 248(3):935-939.	**20110505**

methoxychlor		72-43-5	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
methoxychlor		72-43-5	H03637	1995	vom Saal FS, Nagel SC, Palanza P, Boechler M, Parmigiani S, Welshons WV. 1995. Estrogenic pesticides: Binding relative to estradiol in MCF-7 cells and effects of exposure during fetal life on subsequent territorial behavior in male mice. Toxicol Lett 77(1-3):343-350.	**20110505**
methoxychlor		72-43-5	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
methoxychlor		72-43-5	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
methoxychlor		72-43-5	H15516	2005	Anway MD, Cupp AS, Uzumcu M, Skinner MK. 2005. Epigenetic transgenerational actions of endocrine disruptors and male fertility. Science 308(5727):1466-1469.	**20110505**
alizarin		72-48-0	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**
fenoxycarb		72490-01-8 (formerly 79127-80-3)	H23751	2003	Smulders CJ, Bueters TJ, Van Kleef RG, Vijverberg HP. 2003. Selective effects of carbamate pesticides on rat neuronal nicotinic acetylcholine receptors and rat brain acetylcholinesterase. Toxicol Appl Pharmacol 193(2): 139-146.	**20110505**
fenoxycarb		72490-01-8 (formerly 79127-80-3)	H23585	2004	Schmuck G, Mihail F. 2004. Effects of the carbamates fenoxycarb, propamocarb and propoxur on energy supply, glucose utilization and SH-groups in neurons. Arch Toxicol 78(6):330-337.	**20110505**
fenoxycarb		72490-01-8 (formerly 79127-80-3)	W11787	2003	Tatarazako N, Oda S, Watanabe H, Morita M, Iguchi T. 2003. Juvenile hormone agonists affect the occurrence of male Daphnia. Chemosphere 53(8): 827-833.	**20110516**
DDD, p,p'-	p,p'-DDD; p,p'-TDE	72-54-8	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
DDD, p,p'-	p,p'-DDD; p,p'-TDE	72-54-8	H02298	1996	Klotz DM, Beckman BS, Hill SM, McLachlan JA, Walters MR, Arnold SF. 1996. Identification of environmental chemicals with estrogenic activity using a combination of in vitro assays. Environ Health Perspect 104(10):1084-1089.	**20110505**
DDD, p,p'-	p,p'-DDD; p,p'-TDE	72-54-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**

DDD, p,p'-	p,p'-DDD; p,p'-TDE	72-54-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
DDE, p,p'- (DDT metabolite)	p,p'-DDE	72-55-9	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
DDE, p,p'- (DDT metabolite)	p,p'-DDE	72-55-9	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
DDE, p,p'- (DDT metabolite)	p,p'-DDE	72-55-9	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
DDE, p,p'- (DDT metabolite)	p,p'-DDE	72-55-9	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
DDE, p,p'- (DDT metabolite)	p,p'-DDE	72-55-9	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
prometryn	prometryne; prometrin	7287-19-6	H07485	1980	Ghinea E, Simionescu L, Oprescu M. 1980. Studies on the action of pesticides upon the endocrines using in vitro human thyroid cell culture and in vivo animal models. II. Herbicides - prometrin and terbutrin. Rev. Roum. Med. - Endocrinology 18(3):167-173.	**20110505**
prometryn	prometryne; prometrin	7287-19-6	H06758	1995	Kniewald J, Osredecki V, Gojmerac T, Zechner V, Kniewald Z. 1995. Effect of s-triazine compounds on testosterone metabolism in the rat prostate. J Appl Toxicol 15(3):215-218.	**20110505**
mefenacet		73250-68-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
clofentezine	(chlofentezine; chlorfentezine; clorfentezine: misspellings)	74115-24-5	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
4,4-bis(4-hydroxyphenyl)heptane		7425-79-8	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**

aluminum	aluminium	7429-90-5	H23785	2005	Gonzalez-Suarez I, Alvarez-Hernandez D, Carrillo-Lopez N, Naves-Diaz M, Luis Fernandez-Martin J, Cannata-Andia JB. 2005. Aluminum posttranscriptional regulation of parathyroid hormone synthesis: a role for the calcium-sensing receptor. Kidney Int 68(6):2484-2496.	**20110616**
diphenyl-p-phenylenediamine		74-31-7	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
lead		7439-92-1	H06422	1991	Lau Y-S, Camoratto AM, White LM, Moriarty CM. 1991. Effect of lead on TRH and GRF binding in rat anterior pituitary membranes. Toxicology 68(2): 169-179.	**20110616**
lead		7439-92-1	H09595	2000	Telisman S, Cvitkovic P, Jurasovic J, Pizent A, Gavella M, Rocic B. 2000. Semen quality and reproductive endocrine function in relation to biomarkers of lead, cadmium, zinc, and copper in men. Environ Health Perspect 108(1): 45-53.	**20110616**
lead		7439-92-1	H00565	1984	Cullen MR, Kayne RD, Robins JM. 1984. Endocrine and reproductive dysfunction in men associated with occupational inorganic lead intoxication. Arch Environ Health 39(6):431-440.	**20110616**
manganese		7439-96-5	H18954	2006	Garcia SJ, Gellein K, Syversen T, Aschner M. 2006. A manganese-enhanced diet alters brain metals and transporters in the developing rat. Toxicol Sci 92(2):516-525.	**20110616**
mercury vapour		7439-97-6 (mercury)	H07973	1994	Barregård L, Lindstedt G, Schutz A, Sällsten G. 1994. Endocrine function in mercury exposed chloralkali workers. Occup Environ Med 51(8):536-540.	**20110616**
silver (nanoparticles)		7440-22-4	W15438	2010	Hinther A, Vawda S, Skirrow RC, Veldhoen N, Collins P, Cullen JT, van Aggelen G, Helbing CC. 2010. Nanometals induce stress and alter thyroid hormone action in amphibia at or below North American water quality guidelines. Environ Sci Technol 44(21):8314-8321.	**20111007**
arsenic		7440-38-2	H19640	2004	Bodwell JE, Kingsley LA, Hamilton JW. 2004. Arsenic at very low concentrations alters glucocorticoid receptor (GR)-mediated gene activation but not GR-mediated gene repression: complex dose-response effects are closely correlated with levels of activated GR and require a functional GR DNA binding domain. Chem Res Toxicol 17(8):1064-1076.	**20110505**
arsenic		7440-38-2	H19639	2006	Bodwell JE, Gosse JA, Nomikos AP, Hamilton JW. 2006. Arsenic disruption of steroid receptor gene activation: Complex dose-response effects are shared by several steroid receptors. Chem Res Toxicol 19(12):1619-1629.	**20110505**
arsenic		7440-38-2	H24101	2009	Meeker JD, Rossano MG, Protas B, Diamond MP, Puscheck E, Daly D, Paneth N, Wirth JJ. 2009. Multiple metals predict prolactin and thyrotropin (TSH) levels in men. Environ Res 109(7):869-873.	**20110505**
selenium dioxide		7446-08-4	H06931	1982	Perry ST, Kulkarni SB, Lee KL, Kenney FT. 1982. Selective effect of the metallocarcinogen beryllium on hormonal regulation of gene expression in cultured cells. Cancer Res 42(2):473-476.	**20110628**

2,3,4,4',5-pentachlorobiphenyl	PCB-114	74472-37-0	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**
methyl bromide	bromomethane	74-83-9	H07684	1986	Kato N, Morinobu S, Ishizu S. 1986. Subacute inhalation experiment for methyl bromide in rats. Ind Health 24(2):87-103.	**20110505**
methyl bromide	bromomethane	74-83-9	H24145	1987	Honma T, Miyagawa M, Sato M. 1987. Methyl bromide alters catecholamine and metabolite concentrations in rat brain. Neurotoxicol Teratol 9(5):369-375.	**20110505**
methyl bromide	bromomethane	74-83-9	H22577	1988	Eustis SL, Haber SB, Drew RT, Yang RS. 1988. Toxicology and pathology of methyl bromide in F344 rats and B6C3F1 mice following repeated inhalation exposure. Fundam Appl Toxicol 11(4):594-610.	**20110505**
methyl bromide	bromomethane	74-83-9	H07682	1988	Hurtt ME, Working PK. 1988. Evaluation of spermatogenesis and sperm quality in the rat following acute inhalation exposure to methyl bromide. Fundam Appl Toxicol 10(3):490-498.	**20110505**
methyl bromide	bromomethane	74-83-9	H24146	1991	Honma T, Miyagawa M, Sato M. 1991. Inhibition of tyrosine hydroxylase activity by methyl bromide exposure. Neurotoxicol Teratol 13(1):1-4.	**20110505**
mercuric chloride		7487-94-7	H06396	1989	Bhattacharya T, Bhattacharya S, Ray AK, Dey S. 1989. Influence of industrial pollutants on thyroid function in Channa punctatus (Bloch). Indian J Exp Biol 27(1):65-68.	**20110505**
mercuric chloride		7487-94-7	H22626	1975	Lee IP, Dixon RL. 1975. Effects of mercury on spermatogenesis studied by velocity sedimentation cell separation and serial mating. J Pharmacol Exp Ther 194(1):171-181.	**20110616**
mercuric chloride		7487-94-7	H06387	1980	Kawada J, Nishida M, Yoshimura Y, Mitani K. 1980. Effects of organic and inorganic mercurials on thyroidal functions. Journal of Pharmacobiodynamics 3(3):149-159.	**20110616**
mercuric chloride		7487-94-7	W03742	1996	Bleau H, Daniel C, Chevalier G, van Tra H, Hontela A. 1996. Effects of acute exposure to mercury chloride and methylmercury on plasma cortisol, T3, T4, glucose and liver glycogen in rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology 34(3):221-235.	**20110616**
4-monochlorodibenzofuran	4-monoCDF	74992-96-4	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
dichloromethane	methylene dichloride	75-09-2	H03909	1995	Moser VC, Cheek BM, MacPhail RC. 1995. A multidisciplinary approach to toxicological screening. III. Neurobehavioral toxicity. J Toxicol Environ Health 45(2):173-210.	**20110505**
carbon disulfide	carbon disulphide	75-15-0	H23897	1985	Caroldi S, Jarvis J, Magos L. 1985. Carbon disulphide exposure affects the response of rat adrenal medulla to hypothermia and hypoglycaemia. Br J Pharmacol 84(2):357-363.	**20110505**
carbon disulfide	carbon disulphide	75-15-0	H23908	1986	Opacka J, Opalska B, Kolakowski J, Wronska-Nofer T. 1986. Neurotoxic effects of the combined exposure to carbon disulphide and ethanol in rats. Toxicol Lett 32(1-2):9-18.	**20110505**

carbon disulfide	carbon disulphide	75-15-0	H23904	1999	Kumar S, Patel KG, Gautam AK, Agarwal K, Shah BA, Saiyed HN. 1999. Detection of germ cell genotoxic potential of carbon disulphide using sperm head shape abnormality test. Hum Exp Toxicol 18(12):731-734.	**20110505**
carbon disulfide	carbon disulphide	75-15-0	H23914	2000	Tsai ML, Chang JH, Huang BM, Liu MY. 2000. In vivo exposure to carbon disulfide increases the contraction frequency of pregnant rat uteri through an indirect pathway. Life Sci 66(3):201-208.	**20110505**
carbon disulfide	carbon disulphide	75-15-0	H23902	2008	Guo XM, Tang RH, Qin XY, Yang J, Chen GY. 2008. Effects of carbon disulfide on the expression and activity of nitric oxide synthase in rat hippocampus. Chin Med J (Engl) 121(24):2553-2556.	**20110505**
ethylene oxide		75-21-8	H07691	1989	Mori K, Kaido M, Fujishiro K, Inoue N. 1989. Testicular toxicity and alterations of glutathione metabolism resulting from chronic inhalation of ethylene oxide in rats. Toxicol Appl Pharmacol 101(2):299-309.	**20110505**
diclobutrazole		75736-33-3	H14486	2002	Sanderson JT, Boerma J, Lansbergen GW, van den Berg M. 2002. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. Toxicol Appl Pharmacol 182(1): 44-54.	**20110505**
monohydroxymethoxychlor olefin		75938-34-0	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
EPTC	S-ethyl dipropylthiocarbam ate	759-94-4	H23751	2003	Smulders CJ, Bueters TJ, Van Kleef RG, Vijverberg HP. 2003. Selective effects of carbamate pesticides on rat neuronal nicotinic acetylcholine receptors and rat brain acetylcholinesterase. Toxicol Appl Pharmacol 193(2): 139-146.	**20110505**
trichloroacetic acid	TCAA	76-03-9	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
trichloroacetic acid	TCAA	76-03-9	H07897	1992	Cosby NC, Dukelow WR. 1992. Toxicology of maternally ingested trichloroethylene (TCE) on embryonal and fetal development in mice and of TCE metabolites on in vitro fertilization. Fundam Appl Toxicol 19(2):268-274.	**20110505**
tetrachlorobenzyltoluenes	Ugilec 141	76253-60-6 / 111483-93-3	H01369	1991	Murk AJ, van den Berg JHJ, Koeman JH, Brouwer A. 1991. The toxicity of tetrachlorobenzyltoluenes (Ugilec 141) and polychlorobiphenyls (Aroclor 1254 and PCB-77) compared in Ah-responsive and Ah-nonresponsive mice. Environ Pollut 72(1):57-67.	**20110505**
heptachlor		76-44-8	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
heptachlor		76-44-8	H00061	1987	Haake J, Kelley M, Keys B, Safe S. 1987. The effects of organochlorine pesticides as inducers of testosterone and benzo[a]pyrene hydroxylases. Gen Pharmacol 18(2):165-169.	**20110505**
heptachlor		76-44-8	H04376	1995	Amita Rani BE, Krishnakumari MK. 1995. Prenatal toxicity of heptachlor in albino rats. Pharmacology & Toxicology 76(2):112-114.	**20110505**

heptachlor		76-44-8	H04681	1995	Oduma JA, Wango EO, Oduorokelo D, Makawiti DW, Odongo H. 1995. In vivo and in vitro effects of graded doses of the pesticide heptachlor on female sex steroid hormone production in rats. Comparative Biochemistry & Physiology C: Comparative Pharmacology & Toxicology 111(2):191-196.	**20110505**
heptachlor		76-44-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
1,3,8-trichlorodibenzofuran	1,3,8-TriCDF	76621-12-0	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
ammonia		7664-41-7	H06222	1976	De SN, Bhattacharya S. 1976. Effect of some industrial pollutants on fish thyroid peroxidase activity and role of cytochrome C thereon. Indian J Exp Biol 14(5):561-563.	**20110505**
sodium fluoride	NaF	7681-49-4	H07160	1965	Faccini JM, Care AD. 1965. Effect of sodium fluoride on the ultrastructure of the parathyroid glands of sheep. Nature 207(5004):1399-1401.	**20110505**
sodium fluoride	NaF	7681-49-4	H07451	1984	Dave G. 1984. Effects of fluoride on growth, reproduction and survival in Daphnia Magna. Comparative Biochemistry & Physiology C 78(2):425-431.	**20110505**
sodium fluoride	NaF	7681-49-4	H07452	1994	Narayana MV, Chinoy NJ. 1994. Effect of fluoride on rat testicular steroidogenesis. Fluoride 27(1):7-12.	**20110505**
tetramethrin		7696-12-0	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
phenolphthalein	phenolphthaleine; 3,3'-bis(4-hydroxyphenyl)phthalide; 3,3'-bis(4-hydroxyphenyl)phthalid;	77-09-8	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
phenolphthalein	phenolphthaleine; 3,3'-bis(4-hydroxyphenyl)phthalide; 3,3'-bis(4-hydroxyphenyl)phthalid;	77-09-8	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
3,3',4,4'-tetrabromobiphenyl	PBB-77	77102-82-0	W15042	1996	Hornung MW, Zabel EW, Peterson RE. 1996. Toxic equivalency factors of polybrominated dibenzo-p-dioxin, dibenzofuran, biphenyl, and polyhalogenated diphenyl ether congeners based on rainbow trout early life stage mortality. Toxicol Appl Pharmacol 140(2):227-234.	**20110505**

nickel chloride		7718-54-9	H25206	1995	Goebeler M, Roth J, Brocker EB, Sorg C, Schulze-Osthoff K. 1995. Activation of nuclear factor-kappa B and gene expression in human endothelial cells by the common haptens nickel and cobalt. J Immunol 155(5):2459-2467.	**20110505**
bisphenol B	BPB; 2,2-bis(4-hydroxyphenyl)-n-butane	77-40-7	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
bisphenol B	BPB; 2,2-bis(4-hydroxyphenyl)-n-butane	77-40-7	H11492	2001	Yoshihara S, Makishima M, Suzuki N, Ohta S. 2001. Metabolic activation of bisphenol A by rat liver S9 fraction. Toxicol Sci 62(2):221-227.	**20110505**
bisphenol B	BPB; 2,2-bis(4-hydroxyphenyl)-n-butane	77-40-7	H16357	2003	Yamasaki K, Takeyoshi M, Sawaki M, Imatanaka N, Shinoda K, Takatsuki M. 2003. Immature rat uterotrophic assay of 18 chemicals and Hershberger assay of 30 chemicals. Toxicology 183(1-3):93-115.	**20110505**
bisphenol B	BPB; 2,2-bis(4-hydroxyphenyl)-n-butane	77-40-7	H14976	2005	Kitamura S, Suzuki T, Sanoh S, Kohta R, Jinno N, Sugihara K, Yoshihara S, Fujimoto N, Watanabe H, Ohta S. 2005. Comparative study of the endocrine-disrupting activity of bisphenol A and 19 related compounds. Toxicol Sci 84(2): 249-259.	**20110505**
bisphenol B	BPB; 2,2-bis(4-hydroxyphenyl)-n-butane	77-40-7	H18135	2006	Terasaka S, Inoue A, Tanji M, Kiyama R. 2006. Expression profiling of estrogen-responsive genes in breast cancer cells treated with alkylphenols, chlorinated phenols, parabens, or bis- and benzoylphenols for evaluation of estrogenic activity. Toxicol Lett 163(2):130-141.	**20110505**
copper sulfate	cupric sulfate [CuSO4]	7758-98-7	H07695	1983	Shivanandappa T, Krishnakumari MK, Majumder SK. 1983. Testicular atrophy in Gallus domesticus fed acute doses of copper fungicides. Poult Sci 62(2): 405-408.	**20110505**
hydrogen sulfide	hydrogen sulphide	7783-06-4	H07278	1998	Xu XP, Cho SI, Sammel M, You LY, Cui SC, Huang YM, Ma GH, Padungtod C, Pothier L, Niu TH, Christiani D, Smith T, Ryan L, Wang LH. 1998. Association of petrochemical exposure with spontaneous abortion. Occup Environ Med 55(1):31-36.	**20110505**
aluminum fluoride (AlF4-)		7784-18-1 (AlF3) or 17949-86-9 (nAlF3) ?	H08439	1991	Morgan PJ, Hastings MH, Thompson M, Barrett P, Lawson W, Davidson G. 1991. Intracellular signalling in the ovine pars tuberalis: an investigation using aluminium fluoride and melatonin. J Mol Endocrinol 7(2):137-144.	**20110616**
sodium arsenite		7784-46-5	H10911	2001	Kaltreider RC, Davis AM, Lariviere JP, Hamilton JW. 2001. Arsenic alters the function of the glucocorticoid receptor as a transcription factor. Environ Health Perspect 109(3):245-251.	**20110616**
sodium arsenite		7784-46-5	H23321	1990	Simons SS Jr, Chakraborti PK, Cavanaugh AH. 1990. Arsenite and cadmium(II) as probes of glucocorticoid receptor structure and function. J Biol Chem 265(4):1938-1945.	**20110705**
mevinphos		7786-34-7	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**

N-octylbicycloheptene dicarboximide	N-OBHD	7786-80-3	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
tribufos		78-48-8	H27292	2002	Quistad GB, Nomura DK, Sparks SE, Segall Y, Casida JE. 2002. Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides. Toxicol Lett 135(1-2):89-93.	**20111007**
DDT, o,p'-	o,p'-DDT	789-02-6	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
DDT, o,p'-	o,p'-DDT	789-02-6	H03637	1995	vom Saal FS, Nagel SC, Palanza P, Boechler M, Parmigiani S, Welshons WV. 1995. Estrogenic pesticides: Binding relative to estradiol in MCF-7 cells and effects of exposure during fetal life on subsequent territorial behavior in male mice. Toxicol Lett 77(1-3):343-350.	**20110505**
DDT, o,p'-	o,p'-DDT	789-02-6	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
DDT, o,p'-	o,p'-DDT	789-02-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
DDT, o,p'-	o,p'-DDT	789-02-6	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
dichloroacetic acid		79-43-6	H07897	1992	Cosby NC, Dukelow WR. 1992. Toxicology of maternally ingested trichloroethylene (TCE) on embryonal and fetal development in mice and of TCE metabolites on in vitro fertilization. Fundam Appl Toxicol 19(2):268-274.	**20110505**
dichloroacetic acid		79-43-6	H07502	1997	Linder RE, Klinefelter GR, Strader LF, Suarez JD, Roberts NL. 1997. Spermatotoxicity of dichloroacetic acid. Reprod Toxicol 11(5):681-688.	**20110505**
4-hydroxy-2',6'-dichlorobiphenyl	4'-OH-PCB-10	79881-33-7	H00776	1988	Korach KS, Sarver P, Chae K, McLachlan JA, McKinney JD. 1988. Estrogen receptor-binding activity of polychlorinated hydroxybiphenyls: conformationally restricted structural probes. Mol Pharmacol 33(1):120-126.	**20110505**
tetrabromobisphenol A	TBBPA; 3,3',5,5'-tetrabromobisphenol A; 2,2',6,6'-tetrabromobisphenol A	79-94-7	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**

tetrachlorobisphenol A	TCBPA; 3,3',5,5'-tetrachlorobisphenol A; 2,2',6,6'-tetrachlorobisphenol A	79-95-8	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
bisphenol C	2,2-bis(4-hydroxy-3-methylphenyl)propane	79-97-0	H07777	1998	Perez P, Pulgar R, Olea-Serrano F, Villalobos M, Rivas A, Metzler M, Pedraza V, Olea N. 1998. The estrogenicity of bisphenol A-related diphenylalkanes with various substituents at the central carbon and the hydroxy groups. Environ Health Perspect 106(3):167-174.	**20110505**
bisphenol C	BPC; 2,2-bis(4-hydroxy-3-methylphenyl)propane	79-97-0	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
hexaconazole		79983-71-4	H19711	2006	Trosken ER, Adamska M, Arand M, Zarn JA, Patten C, Volkel W, Lutz WK. 2006. Comparison of lanosterol-14 alpha-demethylase (CYP51) of human and Candida albicans for inhibition by different antifungal azoles. Toxicology 228(1):24-32.	**20110505**
toxaphene	camphechlor	8001-35-2	H06323	1974	Hurst JG, Newcomer WS, Morrison JA. 1974. Some effects of DDT, Toxaphene and Polychlorinated Biphenyl on thyroid function in Bobwhite Quail. Poult Sci 53(1):125-133.	**20110505**
toxaphene	camphechlor	8001-35-2	H00061	1987	Haake J, Kelley M, Keys B, Safe S. 1987. The effects of organochlorine pesticides as inducers of testosterone and benzo[a]pyrene hydroxylases. Gen Pharmacol 18(2):165-169.	**20110505**
toxaphene	camphechlor	8001-35-2	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
toxaphene	camphechlor	8001-35-2	H06346	1996	Waritz RS, Steinberg M, Kinoshita FK, Kelly CM, Richter WR. 1996. Thyroid function and thyroid tumors in toxaphene-treated rats. Regul Toxicol Pharmacol 24(2 Part 1):184-192.	**20110505**
toxaphene	camphechlor	8001-35-2	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
pyrethrins		8003-34-7	H00223	1990	Eil C, Nisula BC. 1990. The binding properties of pyrethroids to human skin fibroblast androgen receptors and to sex hormone binding globulin. J Steroid Biochem 35(3/4):409-414.	**20110505**
pyrethrins		8003-34-7	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**

bisphenol A	BPA; 2,2-bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; polycarbonate monomer	80-05-7	H13286	2003	Kubo K, Arai O, Omura M, Watanabe R, Ogata R, Aou S. 2003. Low dose effects of bisphenol A on sexual differentiation of the brain and behavior in rats. Neurosci Res 45(3):345-356.	**20110505**
bisphenol A	BPA; 2,2-bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; polycarbonate monomer	80-05-7	H14868	2005	Timms BG, Howdeshell KL, Barton L, Bradley S, Richter CA, vom Saal FS. 2005. Estrogenic chemicals in plastic and oral contraceptives disrupt development of the fetal mouse prostate and urethra. Proceedings of the National Academy of Sciences USA 102(19):7014-7019	**20110505**
bisphenol A	BPA; 2,2-bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; polycarbonate monomer	80-05-7	H18236	2006	Ho SM, Tang WY, De Frausto JB, Prins GS. 2006. Developmental exposure to estradiol and bisphenol A increases susceptibility to prostate carcinogenesis and epigenetically regulates phosphodiesterase type 4 variant 4. Cancer Res 66(11):5624-5632.	**20110505**
bisphenol A	BPA; 2,2-bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; polycarbonate monomer	80-05-7	H19529	2007	Murray TJ, Maffini MV, Ucci AA, Sonnenschein C, Soto AM. 2007. Induction of mammary gland ductal hyperplasias and carcinoma in situ following fetal bisphenol A exposure. Reprod Toxicol 23(3):383-390.	**20110505**
bisphenol A	BPA; 2,2-bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; polycarbonate monomer	80-05-7	H20212	2007	Wadia PR, Vandenberg LN, Schaeberle CM, Rubin BS, Sonnenschein C, Soto AM. 2007. Perinatal bisphenol A exposure increases estrogen sensitivity of the mammary gland in diverse mouse strains. Environ Health Perspect 115(4): 592-598.	**20110505**
bisphenol S	BPS; 4,4'-sulfonylbisphenol ; 4,4'-sulfonyldiphenol	80-09-1	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
bisphenol S	BPS; 4,4'-sulfonylbisphenol ; 4,4'-sulfonyldiphenol	80-09-1	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
hop (Humulus lupulus) extract	hop based dietary supplement	8016-25-9	H11932	2001	Coldham NG, Sauer MJ. 2001. Identification, quantitation and biological activity of phytoestrogens in a dietary supplement for breast enhancement. Food & Chemical Toxicology 39(12):1211-1224.	**20110505**

mancozeb		8018-01-7	H07683	1997	Kackar R, Srivastava MK, Raizada RB. 1997. Induction of gonadal toxicity to male rats after chronic exposure to mancozeb. Ind Health 35(1):104-111.	**20110505**
mancozeb		8018-01-7	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
mancozeb		8018-01-7	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
4-tert-pentylphenol	p-tert-amylphenol	80-46-6	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
4-tert-pentylphenol	p-tert-amylphenol	80-46-6	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
4-tert-pentylphenol	p-tert-amylphenol	80-46-6	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
4-tert-pentylphenol	p-tert-amylphenol	80-46-6	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
Clophen A50		8068-44-8	W03458	1996	Besselink HT, van Beusekom S, Roex E, Vethaak AD, Koeman JH, Brouwer A. 1996. Low hepatic 7-ethoxyresorufin-O-deethylase (EROD) activity and minor alterations in retinoid and thyroid hormone levels in flounder (Plathicthys flesus) exposed to the polychlorinated biphenyl (PCB) mixture, Clophen A50. Environ Pollut 92(3):267-274.	**20110505**
etofenprox	ethofenprox	80844-07-1	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
etofenprox	ethofenprox	80844-07-1	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
etofenprox	ethofenprox	80844-07-1	W15068	2010	Du G, Shen O, Sun H, Fei J, Lu C, Song L, Xia Y, Wang S, Wang X. 2010. Assessing hormone receptor activities of pyrethroid insecticides and their metabolites in reporter gene assays. Toxicol Sci 116(1):58-66.	**20110505**
amsonic acid		81-11-8	H25072	1992	Smith ER, Quinn MM. 1992. Uterotropic action in rats of amsonic acid and three of its synthetic precursors. Journal of Toxicology & Environmental Health 36(1):13-25.	**20110505**
musk ketone		81-14-1	H24067	2002	Bitsch N, Dudas C, Korner W, Failing K, Biselli S, Rimkus G, Brunn H. 2002. Estrogenic activity of musk fragrances detected by the E-screen assay using human mcf-7 cells. Arch Environ Contam Toxicol 43(3):257-264.	**20110505**

musk xylene	MX	81-15-2	H24067	2002	Bitsch N, Dudas C, Korner W, Failing K, Biselli S, Rimkus G, Brunn H. 2002. Estrogenic activity of musk fragrances detected by the E-screen assay using human mcf-7 cells. Arch Environ Contam Toxicol 43(3):257-264.	**20110505**
phenolphthalin		81-90-3	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
phenolphthalol	2-[bis(4-hydroxyphenyl) methyl]benzylalcohol	81-92-5	H00732	1970	Bitman J, Cecil HC. 1970. Estrogenic activity of DDT analogs and polychlorinated biphenyls. Journal of Agricultural & Food Chemistry 18(6): 1108-1112.	**20110505**
2-hydroxy-3,7,8-trichlorodibenzo-p-dioxin	2-OH-3,7,8-TriCDD	82019-04-3	H22635	1986	Mason G, Safe S. 1986. Synthesis, biologic and toxic effects of the major 2,3,7,8-tetrachlorodibenzo-p-dioxin metabolites in the rat. Toxicology 41(2): 153-159.	**20110505**
benzanthrone		82-05-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
bifenthrin		82657-04-3	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
bifenthrin, 1R-cis-		82657-04-3 (bifenthrin)	H24136	2007	Wang L, Liu W, Yang C, Pan Z, Gan J, Xu C, Zhao M, Schlenk D. 2007. Enantioselectivity in estrogenic potential and uptake of bifenthrin. Environ Sci Technol 41(17):6124-6128.	**20110516**
bifenthrin, 1S-cis-		82657-04-3 (bifenthrin)	H24136	2007	Wang L, Liu W, Yang C, Pan Z, Gan J, Xu C, Zhao M, Schlenk D. 2007. Enantioselectivity in estrogenic potential and uptake of bifenthrin. Environ Sci Technol 41(17):6124-6128.	**20110516**
quintozene	pentachloronitrobenzene (PCNB)	82-68-8	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
4-phenoxyphenol	4-hydroxydiphenyl ether	831-82-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-phenoxyphenol	4-hydroxydiphenyl ether	831-82-3	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
ametryn	ametryne (UK)	834-12-8	H02867	1978	Wiltrout RW, Ercegovich CD, Ceglowski WS. 1978. Humoral immunity in mice following oral administration of selected pesticides. Bull Environ Contam Toxicol 20(3):423-431.	**20110505**
1,2,3,6-tetrachlorodibenzofuran	1,2,3,6-TCDF	83704-21-6	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**

1,2,3,7-tetrachlorodibenzofuran	1,2,3,7-TCDF	83704-22-7	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
2,3,4,6-tetrachlorodibenzofuran	2,3,4,6-TCDF	83704-30-7	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4,7-tetrachlorodibenzofuran	2,3,4,7-TCDF	83704-31-8	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
2,3,4,8-tetrachlorodibenzofuran	2,3,4,8-TCDF	83704-32-9	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,3,4,8-tetrachlorodibenzofuran	2,3,4,8-TCDF	83704-32-9	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
1,3,6-trichlorodibenzofuran	1,3,6-TriCDF	83704-39-6	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
2,6,7-trichlorodibenzofuran	2,6,7-TriCDF	83704-45-4	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
1,2,4,6,7-pentachlorodibenzofuran	1,2,4,6,7-PeCDF	83704-50-1	H23580	1984	Bandiera S, Sawyer T, Romkes M, Zmudzka B, Safe L, Mason G, Keys B, Safe S. 1984. Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Toxicology 32(2):131-144.	**20110505**
1,2,3,7,9-pentachlorodibenzofuran	1,2,3,7,9-PeCDF	83704-53-4	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
1,2,3,7,9-pentachlorodibenzofuran	1,2,3,7,9-PeCDF	83704-53-4	H22596	1990	Harris M, Zacharewski T, Safe S. 1990. Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and related compounds on the occupied nuclear estrogen receptor in MCF-7 human breast cancer cells. Cancer Res 50(12):3579-3584.	**20110505**
1,2,3,7,9-pentachlorodibenzofuran	1,2,3,7,9-PeCDF	83704-53-4	H03931	1993	Krishnan V, Safe S. 1993. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), and dibenzofurans (PCDFs) as antiestrogens in MCF-7 human breast cancer cells: quantitative structure-activity relationships. Toxicol Appl Pharmacol 120(1):55-61.	**20110505**

vinclozolin metabolite M2	3',5'-dichloro-2-hydroxy-2-methylbut-3-enanilide	83792-61-4	H04161	1995	Wong CI, Kelce WR, Sar M, Wilson EM. 1995. Androgen receptor antagonist versus agonist activities of the fungicide vinclozolin relative to hydroxyflutamide. J Biol Chem 270(34):19998-20003.	**20110505**
vinclozolin metabolite M2	3',5'-dichloro-2-hydroxy-2-methylbut-3-enanilide	83792-61-4	H05489	1996	Laws SC, Carey SA, Kelce WR, Cooper RL, Gray LE. 1996. Vinclozolin does not alter progesterone receptor (PR) function in vivo despite inhibition of PR binding by its metabolites in vitro. Toxicology 112(3):173-182.	**20110505**
4,4'-cyclohexylidenebisphenol		843-55-0	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
2,6-dihydroxyanthraquinone		84-60-6	H21378	2001	Matsuda H, Shimoda H, Morikawa T, Yoshikawa M. 2001. Phytoestrogens from the roots of Polygonum cuspidatum (Polygonaceae): structure-requirement of hydroxyanthraquinones for estrogenic activity. Bioorganic & Medicinal Chemistry Letters 11(14):1839-1842.	**20110505**
dicyclohexyl phthalate	DCHP	84-61-7	H23184	2003	Okubo T, Suzuki T, Yokoyama Y, Kano K, Kano I. 2003. Estimation of estrogenic and anti-estrogenic activities of some phthalate diesters and monoesters by MCF-7 cell proliferation assay in vitro. Biol Pharm Bull 26(8): 1219-1224.	**20110715**
dicyclohexyl phthalate	DCHP	84-61-7	H23145	2004	Ishido M, Masuo Y, Sayato-Suzuki J, Oka S, Niki E, Morita M. 2004. Dicyclohexylphthalate causes hyperactivity in the rat concomitantly with impairment of tyrosine hydroxylase immunoreactivity. J Neurochem 91(1): 69-76.	**20110715**
dicyclohexyl phthalate	DCHP	84-61-7	H19760	2007	Fan WQ, Yanase T, Morinaga H, Gondo S, Okabe T, Nomura M, Komatsu T, Morohashi K-I, Hayes TB, Takayanagi R, Nawata H. 2007. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. Environ Health Perspect 115(5):720-727.	**20110715**
dicyclohexyl phthalate	DCHP	84-61-7	H23147	2009	Yamasaki K, Okuda H, Takeuchi T, Minobe Y. 2009. Effects of in utero through lactational exposure to dicyclohexyl phthalate and p,p'-DDE in Sprague-Dawley rats. Toxicol Lett 189(1):14-20.	**20110715**
dicyclohexyl phthalate	DCHP	84-61-7	H23974	2010	Sargis RM, Johnson DN, Choudhury RA, Brady MJ. 2010. Environmental endocrine disruptors promote adipogenesis in the 3T3-L1 cell line through glucocorticoid receptor activation. Obesity (Silver Spring) 18(7):1283-1288.	**20110715**
diphenyl phthalate	DPhP	84-62-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Analytical & Bioanalytical Chemistry 378(3)	**20110715**
diethyl phthalate	DEP	84-66-2	H06602	1997	Harris CA, Henttu P, Parker MG, Sumpter JP. 1997. The estrogenic activity of phthalate esters in vitro. Environ Health Perspect 105(8):802-811.	**20110715**
diethyl phthalate	DEP	84-66-2	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**

diethyl phthalate	DEP	84-66-2	H19108	2006	Pereira C, Mapuskar K, Rao CV. 2006. Chronic toxicity of diethyl phthalate in male Wistar rats - A dose-response study. Regul Toxicol Pharmacol 45(2): 169-177.	**20110715**
di-isobutyl phthalate	DiBP	84-69-5	H18211	2006	Borch J, Axelstad M, Vinggaard AM, Dalgaard M. 2006. Diisobutyl phthalate has comparable anti-androgenic effects to di-n-butyl phthalate in fetal rat testis. Toxicol Lett 163(3):183-190.	**20110715**
di-isobutyl phthalate	DiBP	84-69-5	H22310	2008	Boberg J, Metzdorff S, Wortziger R, Axelstad M, Brokken L, Vinggaard AM, Dalgaard M, Nellemann C. 2008. Impact of diisobutyl phthalate and other PPAR agonists on steroidogenesis and plasma insulin and leptin levels in fetal rats. Toxicology 250(2-3):75-81.	**20110715**
di-isobutyl phthalate	DiBP	84-69-5	H26139	2011	Hannas BR, Lambright CS, Furr J, Howdeshell KL, Wilson VS, Gray LE Jr. 2011. Dose-response assessment of fetal testosterone production and gene expression levels in rat testes following in utero exposure to diethylhexyl phthalate, diisobutyl phthalate, diisoheptyl phthalate and diisononyl phthalate. Toxicol Sci 123(1):206-216.	**20110715**
dibutyl phthalate	DBP; di-n-butyl phthalate	84-74-2	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
dibutyl phthalate	DBP; di-n-butyl phthalate	84-74-2	H02121	1988	Davis WP. 1988. Reproductive and developmental responses in the self-fertilizing fish, Rivulus marmoratus, induced by the plasticizer, di-n-butylphthalate. Environmental Biology of Fishes 21(2):81-90.	**20110715**
dibutyl phthalate	DBP; di-n-butyl phthalate	84-74-2	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**
dibutyl phthalate	DBP; di-n-butyl phthalate	84-74-2	H19760	2007	Fan WQ, Yanase T, Morinaga H, Gondo S, Okabe T, Nomura M, Komatsu T, Morohashi K-I, Hayes TB, Takayanagi R, Nawata H. 2007. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. Environ Health Perspect 115(5):720-727.	**20110715**
dibutyl phthalate	DBP; di-n-butyl phthalate	84-74-2	H20596	2007	Ryu JY, Lee BM, Kacew S, Kim HS. 2007. Identification of differentially expressed genes in the testis of Sprague-Dawley rats treated with di(n-butyl) phthalate. Toxicology 234(1-2):103-112.	**20110715**
dihexyl phthalate	DHP; di-n-hexylphthalate (DnHP)	84-75-3	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**
dihexyl phthalate	DHP; di-n-hexylphthalate (DnHP)	84-75-3	H23972	2009	Saillenfait AM, Gallissot F, Sabate JP. 2009. Differential developmental toxicities of di-n-hexyl phthalate and dicyclohexyl phthalate administered orally to rats. J Appl Toxicol 29(6):510-521.	**20110715**
dihexyl phthalate	DHP; di-n-hexylphthalate (DnHP)	84-75-3	H23973	2009	Saillenfait AM, Sabate JP, Gallissot F. 2009. Effects of in utero exposure to di-n-hexyl phthalate on the reproductive development of the male rat. Reprod Toxicol 28(4):468-476.	**20110715**

4-(branched)-nonylphenol	4-nonylphenol, branched; "nonylphenols"	84852-15-3	H00798	1991	Soto AM, Justicia H, Wray JW, Sonnenschein C. 1991. p-Nonyl-phenol: An estrogenic xenobiotic released from "modified" polystyrene. Environ Health Perspect 92:167-173.	**20110505**
4-(branched)-nonylphenol	4-nonylphenol, branched	84852-15-3	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
butyl benzyl phthalate	benzyl butyl phthalate (BBP)	85-68-7	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
butyl benzyl phthalate	benzyl butyl phthalate	85-68-7	H04450	1995	Jobling S, Reynolds T, White R, Parker MG, Sumpter JP. 1995. A variety of environmentally persistent chemicals, including some phthalate plasticizers, are weakly estrogenic. Environ Health Perspect 103(6):582-587.	**20110715**
butyl benzyl phthalate	benzyl butyl phthalate	85-68-7	H06467	1997	Coldham NG, Dave M, Sivapathasundaram S, Mcdonnell DP, Connor C, Sauer MJ. 1997. Evaluation of a recombinant yeast cell estrogen screening assay. Environ Health Perspect 105(7):734-742.	**20110715**
butyl benzyl phthalate	benzyl butyl phthalate	85-68-7	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
butyl benzyl phthalate	benzyl butyl phthalate	85-68-7	H23966	2004	Lu KY, Tseng FW, Wu CJ, Liu PS. 2004. Suppression by phthalates of the calcium signaling of human nicotinic acetylcholine receptors in human neuroblastoma SH-SY5Y cells. Toxicology 200(2-3):113-121.	**20110715**
2-hydroxy-3-chlorobiphenyl	2-OH-PCB-2	85-97-2	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
azinphos-methyl		86-50-0	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
2,6-dichlorophenol		87-65-0	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
2,6-dichlorophenol		87-65-0	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
2,6-dichlorophenol		87-65-0	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
1,2,3-trihydroxybenzene	pyrogallol	87-66-1	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

1,2,3-trihydroxybenzene	pyrogallol	87-66-1	H25945	1992	Lindsay RH, Hill JB, Gaitan E, Cooksey RC, Jolley RL. 1992. Antithyroid effects of coal-derived pollutants. J Toxicol Environ Health 37(4):467-481.	**20110630**
pentachlorophenol	PCP	87-86-5	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
pentachlorophenol	PCP	87-86-5	H07918	1991	McConnell EE, Huff JE, Hejtmancik M, Peters AC, Persing R. 1991. Toxicology and carcinogenesis studies of two grades of pentachlorophenol in B6C3F1 mice. Fundam Appl Toxicol 17(3):519-532.	**20110505**
pentachlorophenol	PCP	87-86-5	H24183	1996	Tran DQ, Klotz DM, Ladlie BL, Ide CF, McLachlan JA, Arnold SF. 1996. Inhibition of progesterone receptor activity in yeast by synthetic chemicals. Biochem Biophys Res Commun 229(2):518-523.	**20110505**
pentachlorophenol	PCP	87-86-5	H06069	1997	Danzo BJ. 1997. Environmental xenobiotics may disrupt normal endocrine function by interfering with the binding of physiological ligands to steroid receptors and binding proteins. Environ Health Perspect 105(3):294-301.	**20110505**
pentachlorophenol	PCP	87-86-5	H07456	1998	Rawlings NC, Cook SJ, Waldbillig D. 1998. Effects of the pesticides carbofuran, chlorpyrifos, dimethoate, lindane, triallate, trifluralin, 2,4-D, and pentachlorophenol on the metabolic endocrine and reproductive endocrine system in ewes. J Toxicol Environ Health 54(1):21-36.	**20110505**
tetrachlorohydroquinone	2,3,5,6-tetrachlorohydroquinone; 1,4-tetrachlorohydroquinone	87-87-6	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
tetrachlorohydroquinone	2,3,5,6-tetrachlorohydroquinone; 1,4-tetrachlorohydroquinone	87-87-6	H06675	1991	van Raaij JAGM, van den Berg KJ, Engel R, Bragt PC, Notten WRF. 1991. Effects of hexachlorobenzene and its metabolites pentachlorophenol and tetrachlorohydroquinone on serum thyroid hormone levels in rats. Toxicology 67(1):107-116.	**20110505**
tetrachlorohydroquinone	2,3,5,6-tetrachlorohydroquinone; 1,4-tetrachlorohydroquinone	87-87-6	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
4-chloro-3,5-dimethylphenol	4-chloro-3,5-xylenol	88-04-0	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
4-chloro-3,5-dimethylphenol	4-chloro-3,5-xylenol	88-04-0	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**

2,4,6-trichlorophenol		88-06-2	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
2,4,6-trichlorophenol		88-06-2	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
3-trifluoromethyl-4-nitrophenol		88-30-2	W05643	1998	Hewitt LM, Tremblay L, Vanderkraak GJ, Solomon KR, Servos MR. 1998. Identification of the lampricide 3-trifluoromethyl-4-nitrophenol as an agonist for the rainbow trout estrogen receptor. Environ Toxicol Chem 17(3):425-432.	**20110505**
terbutryn	terbutryne	886-50-0	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
myclobutanil		88671-89-0	H19711	2006	Trosken ER, Adamska M, Arand M, Zarn JA, Patten C, Volkel W, Lutz WK. 2006. Comparison of lanosterol-14 alpha-demethylase (CYP51) of human and Candida albicans for inhibition by different antifungal azoles. Toxicology 228(1):24-32.	**20110505**
dinoseb	2-sec-butyl-4,6-dinitrophenol; 2,4-dinitro-6-sec-butylphenol; 2-butan-2-yl-4,6-dinitrophenol	88-85-7 (dinoseb) / 89396-94-1 (2-butan-2-yl-4,6-dinitrophenol) /	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
dinoseb	2-sec-butyl-4,6-dinitrophenol; 2,4-dinitro-6-sec-butylphenol; 2-butan-2-yl-4,6-dinitrophenol	88-85-7 (dinoseb) / 89396-94-1 (2-butan-2-yl-4,6-dinitrophenol) /	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
triphenyltin	TPT; fentin	892-20-6	H10800	2000	Yamabe Y, Hoshino A, Imura N, Suzuki T, Himeno S. 2000. Enhancement of androgen-dependent transcription and cell proliferation by tributyltin and triphenyltin in human prostate cancer cells. Toxicol Appl Pharmacol 169(2): 177-184.	**20110505**
triphenyltin	TPT; fentin	892-20-6	H16880	2005	Atanasov AG, Nashev LG, Tan S, Baker ME, Odermatt A. 2005. Organotins disrupt the 11<beta>-hydroxysteroid dehydrogenase type 2-dependent local inactivation of glucocorticoids. Environ Health Perspect 113(11):1600-1606.	**20110616**
chlorothymol	4-chloro-2-isopropyl-5-methylphenol	89-68-9	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
chlorothymol	4-chloro-2-isopropyl-5-methylphenol	89-68-9	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**

metiram	metiram-complex	9006-42-2	H23706	2000	Charles JM, Tobia A, van Ravenzwaay B. 2000. Subchronic and chronic toxicological investigations on metiram: the lack of a carcinogenic response in rodents. Toxicol Sci 54(2):481-492.	**20110505**
triphenyltin acetate	TPT acetate; fentin acetate	900-95-8	H07703	1983	Snow RL, Hays RL. 1983. Phasic distribution of seminiferous tubules in rats treated with triphenyltin compounds. Bull Environ Contam Toxicol 31(6): 658-665.	**20110616**
1-naphthol (carbaryl & naphthalene metabolite)	naphthol-1	90-15-3	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
1-naphthol (carbaryl & naphthalene metabolite)	naphthol-1	90-15-3	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
2-phenylphenol	o-phenylphenol; 2-biphenylol; 2-hydroxybiphenyl	90-43-7	H06255	1991	van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
2-phenylphenol	o-phenylphenol; 2-biphenylol; 2-hydroxybiphenyl	90-43-7	H08927	1999	Déchaud H, Ravard C, Claustrat F, de la Perrière AB, Pugeat M. 1999. Xenoestrogen interaction with human sex hormone-binding globulin (hSHBG). Steroids 64(5):328-334.	**20110505**
2-phenylphenol	o-phenylphenol; 2-biphenylol; 2-hydroxybiphenyl	90-43-7	H14983	2003	Cappelletti V, Saturno G, Miodini P, Korner W, Daidone MG. 2003. Selective modulation of ER-beta by estradiol and xenoestrogens in human breast cancer cell lines. Cellular & Molecular Life Sciences 60(3):567-576.	**20110505**
2-phenylphenol	o-phenylphenol; 2-biphenylol; 2-hydroxybiphenyl	90-43-7	H23989	2003	Okubo T, Kano I. 2003. [Studies on estrogenic activities of food additives with human breast cancer MCF-7 cells and mechanism of estrogenicity by BHA and OPP]. Yakugaku Zasshi 123(6):443-452.	**20110505**
2-phenylphenol	o-phenylphenol; 2-biphenylol; 2-hydroxybiphenyl	90-43-7	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
cyhalothrin, lambda-	lambda-cyhalothrin	91465-08-6	H25128	2011	Orton F, Rosivatz E, Scholze M, Kortenkamp A. 2011. Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. Environ Health Perspect 119(6):794-800.	**20111007**
ethoxyquin		91-53-2	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
4-hydroxy-3-chlorobiphenyl	4-OH-PCB-2	92-04-6	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
biphenyl		92-52-4	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**

4-phenylphenol	p-phenylphenol; 4-biphenylol; 4-hydroxybiphenyl	92-69-3	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
4-phenylphenol	p-phenylphenol; 4-biphenylol; 4-hydroxybiphenyl	92-69-3	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
4-phenylphenol	p-phenylphenol; 4-biphenylol; 4-hydroxybiphenyl	92-69-3	H13397	2003	Olsen CM, Meussen-Elholm ETM, Samuelsen M, Holme JA, Hongslo JK. 2003. Effects of the environmental oestrogens bisphenol A, tetrachlorobisphenol A, tetrabromobisphenol A, 4-hydroxybiphenyl and 4,4 '-dihydroxybiphenyl on oestrogen receptor binding, cell proliferation and regulation of oestrogen sensitive proteins in the human breast cancer cell line MCF-7. Pharmacology & Toxicology 92(4):180-188.	**20110505**
4-phenylphenol	p-phenylphenol; 4-biphenylol; 4-hydroxybiphenyl	92-69-3	H14983	2003	Cappelletti V, Saturno G, Miodini P, Korner W, Daidone MG. 2003. Selective modulation of ER-beta by estradiol and xenoestrogens in human breast cancer cell lines. Cellular & Molecular Life Sciences 60(3):567-576.	**20110505**
4-phenylphenol	p-phenylphenol; 4-biphenylol; 4-hydroxybiphenyl	92-69-3	H23984	2010	Li J, Ma M, Wang Z. 2010. In vitro profiling of endocrine disrupting effects of phenols. Toxicol In Vitro 24(1):201-207.	**20110505**
4,4'-biphenol	4,4'-dihydroxybiphenyl; 4,4'-biphenyldiol	92-88-6	H14624	2001	Han D-H, Tachibana H, Yamada K. 2001. Inhibition of environmental estrogen-induced proliferation of human breast carcinoma MCF-7 cells by flavonoids. In Vitro Cellular & Developmental Biology-Animal 37(5):275-282.	**20110505**
4,4'-biphenol	4,4'-dihydroxybiphenyl; 4,4'-biphenyldiol	92-88-6	H16052	2002	Paris F, Balaguer P, Terouanne B, Servant N, Lacoste C, Cravedi JP, Nicolas JC, Sultan C. 2002. Phenylphenols, biphenols, bisphenol-A and 4-tert-octylphenol exhibit alpha and beta estrogen activities and antiandrogen activity in reporter cell lines. Molecular & Cellular Endocrinology 193(1-2. Si):43-49.	**20110505**
4,4'-biphenol	4,4'-dihydroxybiphenyl; 4,4'-biphenyldiol	92-88-6	H13397	2003	Olsen CM, Meussen-Elholm ETM, Samuelsen M, Holme JA, Hongslo JK. 2003. Effects of the environmental oestrogens bisphenol A, tetrachlorobisphenol A, tetrabromobisphenol A, 4-hydroxybiphenyl and 4,4 '-dihydroxybiphenyl on oestrogen receptor binding, cell proliferation and regulation of oestrogen sensitive proteins in the human breast cancer cell line MCF-7. Pharmacology & Toxicology 92(4):180-188.	**20110505**
4,4'-biphenol	4,4'-dihydroxybiphenyl; 4,4'-biphenyldiol	92-88-6	H13864	2004	Yamasaki K, Noda S, Imatanaka N, Yakabe Y. 2004. Comparative study of the uterotrophic potency of 14 chemicals in a uterotrophic assay and their receptor-binding affinity. Toxicol Lett 146(2):111-120.	**20110505**
4,4'-biphenol	4,4'-dihydroxybiphenyl; 4,4'-biphenyldiol	92-88-6	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
2,3,6-trichlorophenol		933-75-5	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**

N-(4-hydroxyphenyl)-2-naphthylamine		93-45-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**
2,3,5,6-tetrachlorophenol		935-95-5	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
mecoprop		93-65-2 / 7085-19-0	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
fenoprop	2-(2,4,5-trichlorophenoxy)propionic acid	93-72-1	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
2,4,5-trichlorophenoxyacetic acid	2,4,5-T	93-76-5	H08678	1987	Kim CS, Keizer RF, Ambrose WW, Breese GR. 1987. Effects of 2,4,5-trichlorophenoxyacetic acid and quinolinic acid on 5- hydroxy-3-indoleacetic acid transport by the rabbit choroid plexus: pharmacology and electron microscopic cytochemistry. Toxicol Appl Pharmacol 90(3):436-444.	**20110505**
2,4,5-trichlorophenoxyacetic acid	2,4,5-T	93-76-5	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
4-sec-pentylphenol	p-sec-amylphenol; 4-(1-methyl-butyl)phenol	94-06-4 (4-(1-methyl-butyl)phenol); 25735-67-5 (p-sec-amylphenol)	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
propyl paraben	N-propyl-p-hydroxybenzoate	94-13-3	H23955	1989	Song BL, Li HY, Peng DR. 1989. In vitro spermicidal activity of parabens against human spermatozoa. Contraception 39(3):331-335.	**20110505**
propyl paraben	N-propyl-p-hydroxybenzoate	94-13-3	H13098	2002	Oishi S. 2002. Effects of propyl paraben on the male reproductive system. Food & Chemical Toxicology 40(12):1807-1813.	**20110505**
propyl paraben	N-propyl-p-hydroxybenzoate	94-13-3	H12868	2002	Byford JR, Shaw LE, Drew MG, Pope GS, Sauer MJ, Darbre PD. 2002. Oestrogenic activity of parabens in MCF7 human breast cancer cells. Journal of Steroid Biochemistry & Molecular Biology 80(1):49-60.	**20110505**
propyl paraben	N-propyl-p-hydroxybenzoate	94-13-3	H17725	2005	Gomez E, Pillon A, Fenet H, Rosain D, Duchesne MJ, Nicolas JC, Balaguer P, Casellas C. 2005. Estrogenic activity of cosmetic components in reporter cell lines: parabens, UV screens, and musks. J Toxicol Environ Health A 68(4): 239-251.	**20110505**
propyl paraben	N-propyl-p-hydroxybenzoate	94-13-3	H20752	2007	Chen JG, Ahn KC, Gee NA, Gee SJ, Hammock BD, Lasley BL. 2007. Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. Toxicol Appl Pharmacol 221(3):278-284.	**20110505**
benzyl paraben	benzyl-4-hydroxybenzoate	94-18-8	W08346	2000	Schultz TW, Sinks GD, Cronin MTD. 2000. Effect of substituent size and dimensionality on potency of phenolic xenoestrogens evaluated with a recombinant yeast assay. Environ Toxicol Chem 19(11):2637-2642.	**20110505**

benzyl paraben	benzyl-4-hydroxybenzoate	94-18-8	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
benzyl paraben	benzyl-4-hydroxybenzoate	94-18-8	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**
butyl paraben	N-butyl-4-hydroxybenzoate; N-butyl-p-hydroxybenzoate	94-26-8	H23956	1991	Song BL, Peng DR, Li HY, Zhang GH, Zhang J, Li KL, Zhao YQ. 1991. Evaluation of the effect of butyl p-hydroxybenzoate on the proteolytic activity and membrane function of human spermatozoa. J Reprod Fertil 91(2):435-440.	**20110505**
butyl paraben	N-butyl-4-hydroxybenzoate; N-butyl-p-hydroxybenzoate	94-26-8	H17725	2005	Gomez E, Pillon A, Fenet H, Rosain D, Duchesne MJ, Nicolas JC, Balaguer P, Casellas C. 2005. Estrogenic activity of cosmetic components in reporter cell lines: parabens, UV screens, and musks. J Toxicol Environ Health A 68(4): 239-251.	**20110505**
butyl paraben	N-butyl-4-hydroxybenzoate; N-butyl-p-hydroxybenzoate	94-26-8	H20752	2007	Chen JG, Ahn KC, Gee NA, Gee SJ, Hammock BD, Lasley BL. 2007. Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. Toxicol Appl Pharmacol 221(3):278-284.	**20110505**
butyl paraben	N-butyl-4-hydroxybenzoate; N-butyl-p-hydroxybenzoate	94-26-8	H22310	2008	Boberg J, Metzdorff S, Wortziger R, Axelstad M, Brokken L, Vinggaard AM, Dalgaard M, Nellemann C. 2008. Impact of diisobutyl phthalate and other PPAR agonists on steroidogenesis and plasma insulin and leptin levels in fetal rats. Toxicology 250(2-3):75-81.	**20110505**
butyl paraben	N-butyl-4-hydroxybenzoate; N-butyl-p-hydroxybenzoate	94-26-8	H22325	2008	Taxvig C, Vinggaard AM, Hass U, Axelstad M, Boberg J, Hansen PR, Frederiksen H, Nellemann C. 2008. Do parabens have the ability to interfere with steroidogenesis? Toxicol Sci 106(1):206-213.	**20110505**
cyproconazole		94361-06-5	H07653	1995	Machera K. 1995. Developmental toxicity of cyproconazole, an inhibitor of fungal ergosterol biosynthesis, in the rat. Bull Environ Contam Toxicol 54(3): 363-369.	**20110505**
MCPA	4-chloro-2-methylphenoxyacetic acid; 4-(chloro-o-tolyloxy)acetic acid	94-74-6	W14888	2009	Orton F, Lutz I, Kloas W, Routledge EJ. 2009. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol 43(6):2144-2150.	**20110505**
2,4-dichlorophenoxyacetic acid	2,4-D	94-75-7	H06235	1962	Florsheim WH, Velcoff SM. 1962. Some effects of 2,4-dichlorophenoxyacetic acid on thyroid function in the rat: Effects on iodine accumulation. Endocrinology 71(1):1-6.	**20110505**
2,4-dichlorophenoxyacetic acid	2,4-D	94-75-7	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**

2,4-dichlorophenoxyacetic acid	2,4-D	94-75-7	W14695	1997	Cheney MA, Fiorillo R, Criddle RS. 1997. Herbicide and estrogen effects on the metabolic activity of Elliptio complanata measured by calorespirometry. Comp Biochem Physiol C Pharmacol Toxicol Endocrinol 118(2):159-164.	**20110505**
2,4-dichlorophenoxyacetic acid	2,4-D	94-75-7	H14954	2005	Kanayama T, Kobayashi N, Mamiya S, Nakanishi T, Nishikawa J. 2005. Organotin compounds promote adipocyte differentiation as agonists of the peroxisome proliferator-activated receptor <gamma>/retinoid X receptor pathway. Mol Pharmacol 67(3):766-774.	**20110505**
2,4-dichlorophenoxyacetic acid, butyl ester	2,4-D-butyl	94-80-4	H04545	1990	Evangelista de Duffard AM, de Alderete MN, Duffard R. 1990. Changes in brain serotonin and 5-hydroxyindolacetic acid levels induced by 2,4-dichlorophenoxyacetic butyl ester. Toxicology 64(3):265-270.	**20110505**
MCPB	4-(4-chloro-2-methylphenoxy)butyric acid	94-81-5	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
2,4-dichlorophenoxybutyric acid	2,4-DB	94-82-6	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
methyl-parathion oxon	MEP oxon	950-35-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
1,2-dichlorobenzene		95-50-1	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
2-chlorophenol		95-57-8	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**
2-chlorophenol		95-57-8	H06255	1991	Van den Berg KJ, van Raaij JAGM, Bragt PC, Notten WRF. 1991. Interactions of halogenated industrial chemicals with transthyretin and effects on thyroid hormone levels in vivo. Arch Toxicol 65(1):15-19.	**20110505**
pyriproxifen		95737-68-1	W11787	2003	Tatarazako N, Oda S, Watanabe H, Morita M, Iguchi T. 2003. Juvenile hormone agonists affect the occurrence of male Daphnia. Chemosphere 53(8): 827-833.	**20110505**
3,4-dichloroaniline		95-76-1	H06580	1993	Cook JC, Mullin LS, Frame SR, Biegel LB. 1993. Investigation of a mechanism for Leydig cell tumorigenesis by linuron in rats. Toxicol Appl Pharmacol 119(2): 195-204.	**20110505**
3,4-dichlorophenol		95-77-2	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
2,4,5-trichlorophenol		95-95-4	H06428	1990	van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. Chem Biol Interact 76(1):63-75.	**20110505**

2,4,5-trichlorophenol		95-95-4	H06263	1991	den Besten C, Vet JJRM, Besselink HT, Kiel GS, Beems R, van Bladeren PJV. 1991. The liver, kidney, and thyroid toxicity of chlorinated benzenes. Toxicol Appl Pharmacol 111(1):69-81.	**20110505**
endosulfan, alpha-	alpha-endosulfan; endosulfan I	959-98-8	H01345	1985	Abalis IM, Eldefrawi ME, Eldefrawi AT. 1985. High-affinity stereospecific binding of cyclodiene insecticides and gamma-hexachlorocyclohexane to gamma-aminobutyric acid receptors of rat brain. Pesticide Biochemistry & Physiology 24(1):95-102.	**20110505**
endosulfan, alpha-	alpha-endosulfan; endosulfan I	959-98-8	H02790	1994	Soto AM, Chung KL, Sonnenschein C. 1994. The pesticides endosulfan, toxaphene and dieldrin have estrogenic properties in human estrogen-sensitive cells. Environ Health Perspect 102(4):380-383.	**20110505**
endosulfan, alpha-	alpha-endosulfan; endosulfan I	959-98-8	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
endosulfan, alpha-	alpha-endosulfan; endosulfan I	959-98-8	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
endosulfan, alpha-	alpha-endosulfan; endosulfan I	959-98-8	H16890	2004	Scippo ML, Argiris C, Van De Weerdt C, Muller M, Willemsen P, Martial J, Maghuin-Rogister G. 2004. Recombinant human estrogen, androgen and progesterone receptors for detection of potential endocrine disruptors. Anal Bioanal Chem 378(3):664-669.	**20110505**
styrene oxide	styrene-7,8-oxide	96-09-3	H08652	1994	Brown-Woodman PD, Webster WS, Picker K, Huq F. 1994. In vitro assessment of individual and interactive effects of aromatic hydrocarbons on embryonic development of the rat. Reprod Toxicol 8(2):121-135.	**20110505**
dibromochloropropane	DBCP; 1,2-dibromo-3-chloropropane	96-12-8 (1,2-dibromo-3-chloropropane); 67708-83-2 (dibromochloropropane)	H08164	1979	Whorton D, Milby TH, Krauss RM, Stubbs HA. 1979. Testicular function in DBCP exposed pesticide workers. J Occup Med 21(3):161-166.	**20110505**
dibromochloropropane	DBCP; 1,2-dibromo-3-chloropropane	96-12-8 (1,2-dibromo-3-chloropropane); 67708-83-2 (dibromochloropropane)	H04042	1995	Omura M, Hirata M, Zhao M, Tanaka A, Inoue N. 1995. Comparative testicular toxicities of two isomers of dichloropropanol, 2,3-dichloro-1-propanol, and 1,3-dichloro-2-propanol, and their metabolites alpha-chlorohydrin and epichlorohydrin, and the potent testicular toxicant 1,2-dibromo-3-chloropropane. Bull Environ Contam Toxicol 55(1):1-7.	**20110505**
alpha-chlorohydrin	ACH	96-24-2	H08226	1983	Kluwe WM, Gupta BN, Lamb JC 4th. 1983. The comparative effects of 1,2-dibromo-3-chloropropane (DBCP) and its metabolites, 3-chloro-1,2-propaneoxide (epichlorohydrin), 3-chloro-1,2- propanediol (alphachlorohydrin), and oxalic acid, on the urogenital system of male rats. Toxicol Appl Pharmacol 70(1):67-86.	**20110505**

alpha-chlorohydrin	ACH	96-24-2	H04042	1995	Omura M, Hirata M, Zhao M, Tanaka A, Inoue N. 1995. Comparative testicular toxicities of two isomers of dichloropropanol, 2,3-dichloro-1-propanol, and 1,3-dichloro-2-propanol, and their metabolites alpha-chlorohydrin and epichlorohydrin, and the potent testicular toxicant 1,2-dibromo-3-chloropropane. Bull Environ Contam Toxicol 55(1):1-7.	**20110505**
ethylene thiourea (ethylene bisdithiocarbamate metabolite)	ETU; 2-imidazolidinethione	96-45-7	H07841	1998	Hurley PM, Hill RN, Whiting RJ. 1998. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents [review]. Environ Health Perspect 106(8):437-445.	**20110505**
thenylchlor		96491-05-3	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
dichlofenthion		97-17-6	H13732	2004	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K. 2004. Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environ Health Perspect 112(5):524-531.	**20110505**
dichlorophen	2,2'-methylenebis(4-chlorophenol)	97-23-4	H09833	2000	Blair RM, Fang H, Branham WS, Hass BS, Dial SL, Moland CL, Tong W, Shi L, Perkins R, Sheehan DM. 2000. The estrogen receptor relative binding affinities of 188 natural and xenochemicals: structural diversity of ligands. Toxicol Sci 54(1):138-153.	**20110505**
4-tert-butylpyrocatechol	4-tert-butylcatechol	98-29-3	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
4-tert-butylphenol	p-tert-butylphenol	98-54-4	W01814	1993	Jobling S, Sumpter JP. 1993. Detergent components in sewage effluent are weakly oestrogenic to fish: An in vitro study using rainbow trout (Oncorhynchus mykiss) hepatocytes. Aquatic Toxicology 27(3-4):361-372.	**20110505**
4-tert-butylphenol	p-tert-butylphenol	98-54-4	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
4-tert-butylphenol	p-tert-butylphenol	98-54-4	H10872	2001	Miller D, Wheals BB, Beresford N, Sumpter JP. 2001. Estrogenic activity of phenolic additives determined by an in vitro yeast bioassay. Environ Health Perspect 109(2):133-138.	**20110505**
4-tert-butylphenol	p-tert-butylphenol	98-54-4	H22440	2008	Akahori Y, Nakai M, Yamasaki K, Takatsuki M, Shimohigashi Y, Ohtaki M. 2008. Relationship between the results of in vitro receptor binding assay to human estrogen receptor alpha and in vivo uterotrophic assay: Comparative study with 65 selected chemicals. Toxicol in Vitro 22(1):225-231.	**20110505**
4-tert-butylphenol	p-tert-butylphenol	98-54-4	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
nitrobenzene		98-95-3	H07986	1990	Allenby G, Sharpe RM, Foster PM. 1990. Changes in Sertoli cell function in vitro induced by nitrobenzene. Fundam Appl Toxicol 14(2):364-375.	**20110505**

nitrobenzene		98-95-3	H07666	1991	Allenby G, Foster PM, Sharpe RM. 1991. Evaluation of changes in the secretion of immunoactive inhibin by adult rat seminiferous tubules in vitro as an indicator of early toxicant action on spermatogenesis. Fundam Appl Toxicol 16(4):710-724.	**20110505**
nitrobenzene		98-95-3	H07687	1992	Linder RE, Strader LF, Slott VL, Suarez JD. 1992. Endpoints of spermatotoxicity in the rat after short duration exposures to fourteen reproductive toxicants. Reprod Toxicol 6(6):491-505.	**20110505**
m-dinitrobenzene	m-DNB; 1,3-dinitrobenzene	99-65-0	H07982	1987	Foster PMD, Lloyd SC, Prout MS. 1987. Toxicity and metabolism of 1,3-dinitrobenzene in rat testicular cell cultures. Toxicol in Vitro 1(1):31-37.	**20110505**
m-dinitrobenzene	m-DNB; 1,3-dinitrobenzene	99-65-0	H07986	1990	Allenby G, Sharpe RM, Foster PM. 1990. Changes in Sertoli cell function in vitro induced by nitrobenzene. Fundam Appl Toxicol 14(2):364-375.	**20110505**
m-dinitrobenzene	m-DNB; 1,3-dinitrobenzene	99-65-0	H07666	1991	Allenby G, Foster PM, Sharpe RM. 1991. Evaluation of changes in the secretion of immunoactive inhibin by adult rat seminiferous tubules in vitro as an indicator of early toxicant action on spermatogenesis. Fundam Appl Toxicol 16(4):710-724.	**20110505**
4-sec-butylphenol	4-(1-methylpropyl)phenol	99-71-8	H24934	1978	Mueller GC, Kim UH. 1978. Displacement of estradiol from estrogen receptors by simple alkyl phenols. Endocrinology 102(5):1429-1435.	**20110505**
4-sec-butylphenol	4-(1-methylpropyl)phenol	99-71-8	H05882	1992	Soto AM, Lin TM, Justicia H, Silvia RM, Sonnenschein C. 1992. An "in culture" bioassay to assess the estrogenicity of xenobiotics (E-SCREEN). In: Colborn T, Clement C, eds. Chemically Induced Alterations in Sexual and Functional Development: The Wildlife/Human Connection. Princeton, NJ: Princeton Scientific Publishing Co., Inc. p 295-309. (Mehlman MA, ed. Advances in Modern Environmental Toxicology; 21).	**20110505**
4-sec-butylphenol	4-(1-methylpropyl)phenol	99-71-8	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
methyl paraben	methyl-p-hydroxybenzoate	99-76-3	H23955	1989	Song BL, Li HY, Peng DR. 1989. In vitro spermicidal activity of parabens against human spermatozoa. Contraception 39(3):331-335.	**20110505**
methyl paraben	methyl-p-hydroxybenzoate	99-76-3	H08888	1998	Routledge EJ, Parker J, Odum J, Ashby J, Sumpter JP. 1998. Some alkyl hydroxy benzoate preservatives (parabens) are estrogenic. Toxicol Appl Pharmacol 153(1):12-19.	**20110505**
methyl paraben	methyl-p-hydroxybenzoate	99-76-3	H12868	2002	Byford JR, Shaw LE, Drew MG, Pope GS, Sauer MJ, Darbre PD. 2002. Oestrogenic activity of parabens in MCF7 human breast cancer cells. Journal of Steroid Biochemistry & Molecular Biology 80(1):49-60.	**20110505**
methyl paraben	methyl-p-hydroxybenzoate	99-76-3	H17725	2005	Gomez E, Pillon A, Fenet H, Rosain D, Duchesne MJ, Nicolas JC, Balaguer P, Casellas C. 2005. Estrogenic activity of cosmetic components in reporter cell lines: parabens, UV screens, and musks. J Toxicol Environ Health A 68(4): 239-251.	**20110505**
methyl paraben	methyl-p-hydroxybenzoate	99-76-3	H20752	2007	Chen JG, Ahn KC, Gee NA, Gee SJ, Hammock BD, Lasley BL. 2007. Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. Toxicol Appl Pharmacol 221(3):278-284.	**20110505**

4-hydroxyacetophenone		99-93-4	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
p-hydroxybenzoic acid	p-hydroxybenzoate	99-96-7	H16159	1997	Lemini C, Silva G, Timossi C, Luque D, Valverde A, González-Martínez M, Hernandez A, Rubio-Póo C, Chávez Lara B, Valenzuela F. 1997. Estrogenic effects of p-hydroxybenzoic acid in CD1 mice. Environ Res 75(2):130-134.	**20110505**
p-hydroxybenzoic acid	p-hydroxybenzoate	99-96-7	H24167	1998	Peungvicha P, Thirawarapan SS, Watanabe H. 1998. Possible mechanism of hypoglycemic effect of 4-hydroxybenzoic acid, a constituent of Pandanus odorus root. Jpn J Pharmacol 78(3):395-398.	**20110505**
p-hydroxybenzoic acid	p-hydroxybenzoate	99-96-7	H16163	2005	Pugazhendhi D, Pope GS, Darbre PD. 2005. Oestrogenic activity of p-hydroxybenzoic acid (common metabolite of paraben esters) and methylparaben in human breast cancer cell lines. J Appl Toxicol 25(4): 301-319.	**20110505**
diesel exhaust		HZ17550000	H10923	2001	Watanabe N, Kurita M. 2001. The masculinization of the fetus during pregnancy due to inhalation of diesel exhaust. Environ Health Perspect 109(2): 111-119.	**20110505**
diesel exhaust		HZ17550000	H21615	2006	Seagrave JC, Mcdonald JD, Reed MD, Seilkop SK, Mauderly JL. 2005. Responses to subchronic inhalation of low concentrations of diesel exhaust and hardwood smoke measured in rat bronchoalveolar lavage fluid. Inhal Toxicol 17(12):657-670.	**20110505**
9,10-dihydroxy-9,10-diethyl-9,10-dihydro-1,2,5,6-dibenzanthracene		n/a	H22562	1934	Cook JW, Dodds EC, Hewett CL, Lawson W. 1934. The oestrogenic activity of some condensed-ring compounds in relation to their other biological activities. Proc Roy Soc Ser B 114(788):272-286.	**20110505**
2,3,4,7,9-pentachlorodibenzofuran	2,3,4,7,9-PeCDF	n/a	H01040	1984	Mason G, Sawyer T, Keys B, Bandiera S, Romkes M, Piskorska-Pliszczynska J, Zmudzka B, Safe S. 1985. Polychlorinated dibenzofurans (PCDFs): correlation between in vivo and in vitro structure-activity relationships. Toxicology 37(1-2):1-12.	**20110505**
modified-polystyrene (Corning Glass) - derived alkylphenols		n/a	H00798	1991	Soto AM, Justicia H, Wray JW, Sonnenschein C. 1991. p-Nonyl-phenol: An estrogenic xenobiotic released from "modified" polystyrene. Environ Health Perspect 92:167-173.	**20110505**
1-naphthyl-carbamate		n/a	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
1-naphthyl-N-methylacetamide		n/a	H07953	1993	Casale GP, Vennerstrom JL, Bavari S, Wang T. 1993. Inhibition of interleukin 2 driven proliferation of mouse CTLL2 cells, by selected carbamate and organophosphate insecticides and congeners of carbaryl. Immunopharmacology & Immunotoxicology 15(2 & 3):199-215.	**20110505**
3-hydroxy-2,6,7,8-tetrachlorodibenzofuran	3-OH-2,6,7,8-TCDF	n/a	H05093	1995	Lans MC. 1995. Thyroid hormone binding proteins as novel targets for hydroxylated polyhalogenated aromatic hydrocarbons (PHAHs): Possible implications for toxicity. Dissertation, Wageningen Agricultural University, The Netherlands :1-152.	**20110505**

4-hydroxy-2,2',5-trichlorobiphenyl	4-OH-PCB-18	n/a	H03991	1995	Soto AM, Sonnenschein C, Chung KL, Fernandez MF, Olea N, Serrano FO. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. Environ Health Perspect 103 (Suppl. 7): 113-122.	**20110505**
nonylphenol diethoxylate formulation	Igepal CO-210	n/a	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
nonylphenol heptaethoxylate formulation	Igepal CO-720	n/a	H07922	1997	Petit F, Le Goff P, Cravedi JP, Valotaire Y, Pakdel F. 1997. Two complementary bioassays for screening the estrogenic potency of xenobiotics: recombinant yeast for trout estrogen receptor and trout hepatocyte cultures. J Mol Endocrinol 19(3):321-335.	**20110505**
3-hydroxy-2,3',4,4',5-pentachlorobiphenyl	3-OH-PCB-118	n/a	H07166	1998	Schuur AG, Brouwer A, Bergman A, Coughtrie MWH, Visser TJ. 1998. Inhibition of thyroid hormone sulfation by hydroxylated metabolites of polychlorinated biphenyls. Chem Biol Interact 109(1-3):293-297.	**20110505**
methoprene, S-, photodegradates	S-methoprene (photodegradates)	n/a	W06093	1998	La Clair JJ, Bantle JA, Dumont J. 1998. Photoproducts and metabolites of a common insect growth regulator produce developmental deformities in Xenopus. Environ Sci Technol 32(10):1453-1461.	**20110505**
2'-hydroxy-2,3,3',4,4'-pentachlorobiphenyl	2'-OH-PCB-105	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
2'-hydroxy-2,3,3',4,5-pentachlorobiphenyl	2'-OH-PCB-106	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
2'-hydroxy-2,3',5-trichlorobiphenyl	2'-OH-PCB-26	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
3,3'-dihydroxy-4,4'-dichlorobiphenyl	3,3'-diOH-PCB-15	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
3'-hydroxy-2,4,6-trichlorobiphenyl	3'-OH-PCB-30	n/a	H08611	1999	Cheek AO, Kow K, Chen J, McLachlan JA. 1999. Potential mechanisms of thyroid disruption in humans: Interaction of organochlorine compounds with thyroid receptor, transthyretin, and thyroid-binding globulin. Environ Health Perspect 107(4):273-278.	**20110505**
5-hydroxy-2-chlorobiphenyl	5-OH-PCB-1	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**
6'-hydroxy-2,3',5-trichlorobiphenyl	6'-OH-PCB-26	n/a	H09251	1999	Kramer VJ, Giesy JP. 1999. Specific binding of hydroxylated polychlorinated biphenyl metabolites and other substances to bovine calf uterine estrogen receptor: structure-binding relationships. Sci Total Environ 233(1-3):141-161.	**20110505**

2,2',3,4,4'-pentabromodiphenyl ether metabolite	PBDE- 85 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,2',4,4',5-pentabromodiphenyl ether metabolite	PBDE- 99 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,2',4,4',6-pentabromodiphenyl ether metabolite	PBDE-100 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,2',4,4'-tetrabromodiphenyl ether metabolite	PBDE- 47 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,2',4,6'-tetrabromodiphenyl ether metabolite	PBDE- 51 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,3,4,4',5,6-hexabromodiphenyl ether metabolite	PBDE-166 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,3',4,4',6-pentabromodiphenyl ether metabolite	PBDE-119 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,3',4',6-tetrabromodiphenyl ether metabolite	PBDE- 71 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,4,4',6-tetrabromodiphenyl ether metabolite	PBDE- 75 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,4,4'-tribromodiphenyl ether metabolite	PBDE- 28 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**

2,4,6-tribromodiphenyl ether metabolite	PBDE- 30 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
2,4',6-tribromodiphenyl ether metabolite	PBDE- 32 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
3,3',4,4'-tetrabromodiphenyl ether metabolite	PBDE- 77 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
3,8-dihydroxy-2-chlorodibenzofuran	3,8-diOH-2-CDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
4,4'-dibromodiphenyl ether metabolite	PBDE- 15 metabolite	n/a	H11156	2000	Meerts IATM, van Zanden JJ, Luijks EAC, van Leeuwen-Bol I, Marsh G, Jakobsson E, Bergman A, Brouwer A. 2000. Potent competitive interactions of some brominated flame retardants and related compounds with human transthyretin in vitro. Toxicol Sci 56(1):95-104.	**20110505**
4-hydroxyheptachlorostyrene		n/a	W08121	2000	Sandau CD, Meerts IATM, Letcher RJ, Mcalees AJ, Chittim B, Brouwer A, Norstrom RJ. 2000. Identification of 4-hydroxyheptachlorostyrene in polar bear plasma and its binding affinity to transthyretin: A metabolite of octachlorosytrene? Environ Sci Technol 34(18):3871-3877.	**20110505**
4-tert-nonylphenol		n/a	W08348	2000	Thorpe KL, Hutchinson TH, Hetheridge MJ, Sumpter JP, Tyler CR. 2000. Development of an in vivo screening assay for estrogenic chemicals using juvenile rainbow trout (Oncorhynchus mykiss). Environ Toxicol Chem 19(11): 2812-2820.	**20110505**
4-tert-octylphenol polyethoxylate (2)		n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
5'-methylsulfonyl-2,2',3,3',4,6-hexachlorobiphenyl	5'-MeSO2-PCB-132	n/a	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
5-methylsulfonyl-2,2',3,4',5',6-hexachlorobiphenyl	5-MeSO2-PCB-149	n/a	H09852	2000	Kato Y, Haraguchi K, Shibahara T, Yumoto S, Masuda Y, Kimura R. 2000. Reduction of serum thyroxine concentrations by methylsulfonyl metabolites of tetra-, penta- and hexachlorinated biphenyls in male Sprague-Dawley rats. Chemosphere 40(9-11):1233-1240.	**20110505**
7-hydroxy-3,4-dichlorodibenzofuran	7-OH-3,4-DiCDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**

8-hydroxy-2-monochlorodibenzofuran	8-OH-2-CDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
8-hydroxy-3,4,6-trichlorodibenzofuran	8-OH-3,4,6-TriCDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
8-hydroxy-3,4-dichlorodibenzofuran	8-OH-3,4-DiCDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
8-hydroxy-3-monochlorodibenzofuran	8-OH-3-CDF	n/a	H21387	2000	Nishihara T, Nishikawa J, Kanayama T, Dakeyama F, Saito K, Imagawa M, Takatori S, Kitagawa Y, Hori S, Utsumi H. 2000. Estrogenic activities of 517 chemicals by yeast two-hybrid assay. Journal of Health Science 46(4): 282-298.	**20110505**
dihydroxy-DDE	2,2-bis(4-hydroxyphenyl)-1,1-dichloroethene; 2,2-bis(4-hydroxyphenyl)-1,1-dichloroethylene	n/a	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
dimethoxy-DDE	2,2-bis(4-methoxyphenyl)-1,1-dichloroethene; 2,2-bis(4-methxyphenyl)-1,1-dichloroethylene	n/a	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
trihydroxy-methoxychlor		n/a	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
trimethoxy-methoxychlor		n/a	H11532	2000	Gaido KW, Maness SC, McDonnell DP, Dehal SS, Kupfer D, Safe S. 2000. Interaction of methoxychlor and related compounds with estrogen receptor <alpha> and <beta>, and androgen receptor: structure-activity studies. Mol Pharmacol 58(4):852-858.	**20110505**
1a-phenyl-4a-(1'-phenylethyl)tetralin	styrene trimer ST-2	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**
1a-phenyl-4e-(1'-phenylethyl)tetralin	styrene trimer ST-3	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**

1a-phenyl-4e-(1'-phenylethyl)tetralin	styrene trimer ST-3	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
1e-phenyl-4a-(1'-phenylethyl)tetralin	styrene trimer ST-4	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**
1e-phenyl-4a-(1'-phenylethyl)tetralin	styrene trimer ST-4	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
1e-phenyl-4e-(1'-phenylethyl)tetralin	styrene trimer ST-5	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**
1e-phenyl-4e-(1'-phenylethyl)tetralin	styrene trimer ST-5	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
2,4,6-triphenyl-1-hexene	styrene trimer ST-1 (2,4,6-triphenyl-1-hexane: misspelling)	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
2,4-diphenyl-1-butene	styrene dimer SD-2; (2,4-diphenyl-1-betene: misspelling)	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**
2-bromo-4-(2,4,6-tribromo-phenoxy)phenol	"T3-HO-BDE"	n/a	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
4-(2,4,6-tribromo-phenoxy)phenol	"T2-HO-BDE"	n/a	H11121	2001	Meerts I.A.T.M., Letcher RJ, Hoving S, Marsh G, Bergman Å, Lemmen JG, van der Burg B, Brouwer A. 2001. In vitro estrogenicity of polybrominated diphenyl ethers, hydroxylated PBDEs, and polybrominated bisphenol A compounds. Environ Health Perspect 109(4):399-407.	**20110505**
cis-1,2-diphenyl cyclobutane	styrene dimer SD-3	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**
cis-1,2-diphenyl cyclobutane	styrene dimer SD-3	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
trans-1,2-diphenyl cyclobutane	styrene dimer SD-4	n/a	H11906	2001	Satoh K, Nagai F, Aoki N. 2001. Several environmental pollutants have binding affinities for both androgen receptor and estrogen receptor α. Journal of Health Science 47(5):495-501.	**20110505**

trans-1,2-diphenyl cyclobutane	styrene dimer SD-4	n/a	H11424	2001	Ohyama K-I, Nagai F, Tsuchiya Y. 2001. Certain styrene oligomers have proliferative activity on MCF-7 human breast tumor cells and binding affinity for human estrogen receptor. Environ Health Perspect 109(7):699-703.	**20110505**
4-amino-musk xylene	4-amino-MX (4X)	n/a	H24067	2002	Bitsch N, Dudas C, Korner W, Failing K, Biselli S, Rimkus G, Brunn H. 2002. Estrogenic activity of musk fragrances detected by the E-screen assay using human mcf-7 cells. Arch Environ Contam Toxicol 43(3):257-264.	**20110505**
environmental tobacco smoke		n/a	H17509	2006	Slotkin TA, Pinkerton KE, Seidler FJ. 2006. Perinatal environmental tobacco smoke exposure in rhesus monkeys: Critical periods and regional selectivity for effects on brain cell development and lipid peroxidation. Environ Health Perspect 114(1):34-39.	**20110505**
perfluorobutanoic acid, ammonium salt	PFBA, ammonium salt	n/a	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
perfluorohexanesulfonate, potassium salt	PFHxS, potassium salt	n/a	H25211	2009	Wolf CJ, Takacs ML, Schmid JE, Lau C, Abbott BD. 2008. Activation of mouse and human peroxisome proliferator-activated receptor alpha by perfluoroalkyl acids of different functional groups and chain lengths. Toxicol Sci 106(1): 162-171.	**20110505**
(+)-mono-1-tert-butyl-3-methylbutyl-phthalate		n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
DL-mono-1-(methyl)-hexyl phthalate	mono-1-(methyl)-hexyl phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-(3-chlorophenyl)-phenylmethyl-phthalate	mono-(3-chlorophenyl-phenyl)-methyl-phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-1,2-dimethyl-propyl phthalate	mono-(1,2-dimethyl)-propyl phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-1-methyl-2-norbornyl-phthalate	mono-(1-methyl)-2-norbornyl-phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-1-tert-butyl-3-methylbutyl-phthalate		n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-2,2-dimethyl-1-ethylpropyl-phthalate	mono-(2,2-dimethyl-1-ethyl)-propyl phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**
mono-2,2-dimethyl-1-isopropyl-propyl phthalate	mono-(2,2-dimethyl-1-isopropyl)-propyl phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**

mono-alpha-ethyl-alpha-methylbenzyl phthalate	mono-(1-ethyl-1-methyl))-benzyl phthalate	n/a	H25638	2003	Lampen A, Zimnik S, Nau H. 2003. Teratogenic phthalate esters and metabolites activate the nuclear receptors PPARs and induce differentiation of F9 cells. Toxicol Appl Pharmacol 188(1):14-23.	**20110715**