Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Groundwater from Site W0 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W28 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									18	12.4	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W31 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									4	75	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W32 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									28	100	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W35 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W36 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W37 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									10	17.8	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W38 (35 volatile chemials, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Groundwater from Site W39 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W40 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W41 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									16	35.4	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W42 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									40	100	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W43 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W44 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W45 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W46 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									14	68	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Groundwater from Site W47 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W48 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									16	73.4	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W49 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									38	100	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W50 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									12	56.8	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W51 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									100	0		Bruner et al., 1998
Groundwater from Site W54 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									2	67.3	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W55M (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									10	67	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Groundwater from Site W57 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									4	59	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Groundwater from Site W58 (35 volatile chemicals, including benzene, toluene, chloroform, vinyl chloride, and others)									24	68.9	Shorter than controls, improperly coiled gut, dorsal curvature of the tail indicating abnormal notochord development	Bruner et al., 1998
Isoniazid/beta.amino-propionitrile mixture (1:1 ratio)			4.23%	(3.9-4.6%)				1.01				Dawson and Wilke, 1991a
Isoniazid/beta.amino-propionitrile mixture (1:3 ratio)			4.16%	(3.9-4.5%)				1				Dawson and Wilke, 1991a
Isoniazid/beta.amino-propionitrile mixture(3:1 ratio)			4.06%	(3.4-4.7%)				0.97				Dawson and Wilke, 1991a
Isoniazid/Valproic acid mixture (1:1 ratio)			6.54%	(6.2-6.8%)				1.53				Dawson and Wilke, 1991a
Isoniazid/Valproic acid mixture (1:3 ratio)			5.12%	(4.7-5.5%)				1.19				Dawson and Wilke, 1991a
Isoniazid/Valproic acid mixture (3:1 ratio)			5.69%	(5.3-6.1%)				1.33				Dawson and Wilke, 1991a
Valproic acid/butyric acid mixture (1:1 ratio)			4.21%	(3.8-4.6%)				0.96				Dawson and Wilke, 1991a
Valproic acid/butyric acid mixture (1:3 ratio)			4.29%	(3.9-4.6%)				0.98				Dawson and Wilke, 1991a
Valproic acid/butyric acid mixture (3:1 ratio)			4.38%	(4.0-4.7%)				1.01				Dawson and Wilke, 1991a
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 7.0)									0.167	0		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 5.7)									53.3	54.3		Dawson et al., 1985

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 5.8)									34	28.4		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 5.8)									30.3	27.7		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 5.9)									35.4	31		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 7.0)									79.7	99		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 7.0)									0	0.05		Dawson et al., 1985
Horse Pasture Site (414-533 mg/L iron; 47.2-73 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.006 mg/L cadmium; <0.04-0.04 mg/L; and pH 7.0)									70.4	0.4		Dawson et al., 1985

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
OWRB#4 Site (292-433 mg/L iron; 178-235 mg/L zinc; <0.005-0.008 mg/L lead; 0.055-0.104 mg/L; <0.04 mg/L copper; and pH 5.4)									13.6	13.1		Dawson et al., 1985
OWRB#4 Site (292-433 mg/L iron; 178-235 mg/L zinc; <0.005-0.008 mg/L lead; 0.055-0.104 mg/L; <0.04 mg/L copper; and pH 5.4)									13.1	15.8		Dawson et al., 1985
OWRB#4 Site (292-433 mg/L iron; 178-235 mg/L zinc; <0.005-0.008 mg/L lead; 0.055-0.104 mg/L; <0.04 mg/L copper; and pH 7.0)									98.4	0.4		Dawson et al., 1985
OWRB#4 Site (292-433 mg/L iron; 178-235 mg/L zinc; <0.005-0.008 mg/L lead; 0.055-0.104 mg/L; <0.04 mg/L copper; and pH 7.0)									0.16	0.05		Dawson et al., 1985
Tar and Miami Chelated Site (0.11 mg/L iron; <0.1 mg/L zinc; 0.006 mg/L lead; 0.006 mg/L cadmium; <0.04 mg/L copper; and pH 6.4)									0	0.075		Dawson et al., 1985
Tar and Miami Chelated Site (0.11 mg/L iron; <0.1 mg/L zinc; 0.006 mg/L lead; 0.006 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0	0		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 3.2)									40.1	74.8		Dawson et al., 1985

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 3.4)									44.7	84.4		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 6.4)									90	0		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0.4	0		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0.49	0.075		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0	0		Dawson et al., 1985
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0.4	0		Dawson et al., 1985

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Tar and Miami Site (10-90.8 mg/L iron; 7.5-78 mg/L zinc; <0.005-0.008 mg/L lead; <0.005-0.043 mg/L cadmium; <0.04 mg/L copper; and pH 7.2)									0	0		Dawson et al., 1985
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0	0.05		Dawson et al., 1985
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0.05	0		Dawson et al., 1985
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.0)									0.1	0		Dawson et al., 1985
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.3)									0	0		Dawson et al., 1985
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.4)									0.05	0		Dawson et al., 1985

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Tar and Treece Site (<0.04-5.59 mg/L iron; 2.2-5.86 mg/L zinc; <0.005-0.006 mg/L lead; <0.005-0.027 mg/L cadmium; <0.04 mg/L copper; and pH 7.5)									0.05	0		Dawson et al., 1985
Sediment extract from Neosho River Site 1 (ph 4; 48.3 mg/L Zn; 5.02 mg/L Fe; 0.58 mg/L Ni; <0.005 mg/L Cr; 0.060 mg/L Cd; 0.017 mg/L As; 0.036 mg/L Se)	50% level not reached		2.90%	(1.7-4.1%)	3.40%							Dawson et al., 1988
Sediment extract from Neosho River Site 1 (ph 5; 14.6 mg/L Zn; 3.16 mg/L Fe; 0.18 mg/L Ni; 0.006 mg/L Cr; <0.005 mg/L Cd; 0.005 mg/L As; 0.013 mg/L Se)	50% level not reached		2.50%	(2.0-3.0%)	3.20%							Dawson et al., 1988
Sediment extract from Neosho River Site 1 (ph 6; 4.1 mg/L Zn; 4.44 mg/L Fe; <0.13 mg/L Ni; <0.005 mg/L Cr; <0.005 mg/L Cd; <0.005 mg/L As; 0.010 mg/L Se)	50% level not reached		50% level not reached		2.00%							Dawson et al., 1988
Sediment extract from Neosho River Site 1 (ph 7; 1.0 mg/L Zn; 7.62 mg/L Fe; 0.13 mg/L Ni; 0.012 mg/L Cr; <0.005 mg/L Cd; 0.025 mg/L As; 0.010 mg/L Se)	50% level not reached		50% level not reached		growth not inhibited							Dawson et al., 1988
Sediment extract from Neosho River Site 2 (ph 4; 45.7 mg/L Zn; 6.36 mg/L Fe; 0.59 mg/L Ni; <0.005 mg/L Cr; 0.036 mg/L Cd; 0.017 mg/L As; 0.042 mg/L Se)	50% level not reached		3.60%	(2.9-4.3%)	4.20%							Dawson et al., 1988

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Sediment extract from Neosho River Site 2 (ph 5; 12.0 mg/L Zn; 4.95 mg/L Fe; 0.16 mg/L Ni; <0.005 mg/L Cr; <0.005 mg/L Cd; <0.005 mg/L As; 0.013 mg/L Se)	50% level not reached		2.50%	(2.2-2.8%)	2.30%							Dawson et al., 1988
Sediment extract from Neosho River Site 2 (ph 6; 2.4 mg/L Zn; 4.96 mg/L Fe; <0.13 mg/L Ni; 0.008 mg/l Cr; <0.005 mg/L Cd; <0.005 mg/L As; 0.016 mg/L Se)	50% level not reached		50% level not reached		growth not inhibited							Dawson et al., 1988
Sediment extract from Neosho River, chelated (pH 4; 0.4 mg/L Zn; <0.05 mg/L Fe; <0.13 mg/L Ni; <0.005 mg/L Cr; <0.005 mg/L Cd; 0.020 mg/L As; 0.040 mg/L Se)	34.50%	(33.3-35.7 %)	3.60%	(3.1-4.1%)	4.20%	0.12						Dawson et al., 1988
Sediment extract from Tar Creek Site 1 (pH 4; 53.6 % mg/L; 10.49 mg/L Fe; 0.66 mg/L Ni; <0.005 mg/L Cr; 0.025 mg/L Cd; 0.010 mg/L As; 0.029 mg/L Se)	50% level not reached		3.20%	(2.2-4.2%)	3.90%							Dawson et al., 1988
Sediment extract from Tar Creek Site 1 (pH 5; 16.0 mg/L Zn; 4.10 mg/L Fe; 0.19 mg/L Ni; <0.005 mg/L Cr; <0.005 mg/L Cd; 0.005 mg/L As; 0.009 mg/L As)	50% level not reached		2.70%	(2.2-3.2%)	2.80%							Dawson et al., 1988
Sediment extract from Tar Creek Site 1 (pH 6; 4.4 mg/L Zn; 7.05 mg/L Fe; <0.13 mg/L Ni; 0.007 mg/L Cr; <0.005 mg/L Cd; 0.014 mg/L As; 0.011 mg/L Se)	50% level not reached		50% level not reached		2.90%							Dawson et al., 1988

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Sediment extract from Tar Creek Site 1 (pH 7; 1.7 mg/L Zn; 7.06 mg/L Fe; <0.13 mg/L Ni; 0.010 mg/L Cr; <0.005 mg/L Cd; 0.035 mg/L As; 0.011 mg/L Se)	50% level not reached		50% level not reached		growth not inhibited							Dawson et al., 1988
Sediment extract from Tar Creek Site 2 (ph 4; 53.2 mg/L Zn; 12.96 mg/L Fe; 0.70 mg/L Ni; <0.005 mg/L Cr; 0.029 mg/L Cd; 0.012 mg/L As; 0.049 mg/L Se)	50% level not reached		3.50%	(2.5-4.5%)	3.80%							Dawson et al., 1988
Sediment extract from Tar Creek Site 2 (pH 5; 16.2 mg/L Zn; 2.07 mg/L Fe; 0.20 mg/L Ni; <0.005 mg/L Cr; <0.005 mg/L Cd; <0.005 mg/L As; 0.016 mg/L Se)	50% level not reached		3.30%	(2.8-3.8%)	2.40%							Dawson et al., 1988
Sediment extract from Tar Creek Site 2 (pH 6; 4.6 mg/L Zn; 5.24 mg/L Fe; <0.13 mg/L Ni; 0.008 mg/L Cr; <0.005 mg/L Cd; <0.005 mg/L As; 0.016 mg/L Se)	50% level not reached		2.80%	(2.6-3.0%)	2.90%							Dawson et al., 1988
Ten acid mixture (valproic, hexanoic, octanoic, butyric, 2-ethylhexanoic, propionic, pentanoic, 2-methylpentanoic, heptanoic, and 3-methylbutyric acids)								0.99			skeletal kinking, microencephaly, gut coiling, eye edema, mal-developed mouth	Dawson, 1991
Aliphatic natural petroleum crude (90% aqueous extract) (CRM 5)							<1				No observed effects, 100% growth	Dumont et al., 1983
Aromatic natural petroleum crude (CRM 3)	33.38%		31.10%				1.07				90% growth	Dumont et al., 1983

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Coal gasifier electrostatic precipitator tar (CRM 4)	0.83%		0.48%				1.73				pigmentation and motility reduction	Dumont et al., 1983
Coal-derived fuel oil blend (CRM 1)	1.48%		0.96%				1.54				pigmentation and motility reduction	Dumont et al., 1983
Shale-derived crude (CRM 2)	6.97%		3.36%				2.07				pigmentation and motility reduction	Dumont et al., 1983
Site 1, Sample 1, Aqueous Sediment Extract (5.2 mg/kg aldrin; 8.5 mg/kg Dieldrin; 12.8 mg/kg Endosulfan I)	74.60%	(42.1-77.1%)	18.30%	(16.9-19.7%)	12.50%	0.168	4.1					Fort and Stover, 1997
Site 1, Sample 1, Whole Sediment (5.2 mg/kg aldrin; 8.5 mg/kg Dieldrin; 12.8 mg/kg Endosulfan I)	88.30%	(82.3-94.3%)	59.40%	(55.9-62.9%)	50.00%	0.566	1.5					Fort and Stover, 1997
Site 1, Sample 2, Aqueous Sediment Extract (5.2 mg/kg aldrin; 8.5 mg/kg Dieldrin; 12.8 mg/kg Endosulfan I)	69.70%	(68.5-70.9%)	14.30%	(12.3-16.3%)	12.50%	0.179	4.9					Fort and Stover, 1997
Site 1, Sample 2, Whole Sediment (5.2 mg/kg aldrin; 8.5 mg/kg Dieldrin; 12.8 mg/kg Endosulfan I)	92.60%	(90.6-94.6%)	63.50%	(60.5-66.5%)	50%	0.54	1.5					Fort and Stover, 1997
Site 2, Sample 1, Aqueous Sediment Extract (12.3 mg/kg Pentachlorophenol; 150 mg/kg PAH)	39.60%	(35.4-43.8%)	20.60%	(18.6-22.6%)	25.00%	0.631	1.9					Fort and Stover, 1997
Site 2, Sample 1, Whole Sediment (12.3 mg/kg Pentachlorophenol; 150 mg/kg PAH)	35.70%	(33.7-37.7%)	21.40%	(20.4-22.4%)	25.00%	0.700	1.7					Fort and Stover, 1997
Site 2, Sample 2, Aqueous Sediment Extract (12.3 mg/kg Pentachlorophenol; 150 mg/kg PAH)	30.30%	(24.3-36.3%)	18.60%	(14.4-22.8%)	25.00%	0.825	1.6					Fort and Stover, 1997
Site 2, Sample 2, Whole Sediment (12.3 mg/kg Pentachlorophenol; 150 mg/kg PAH)	22.30%	(20.2-24.4%)	17.40%	(13.4-21.4%)	25.00%	0.892	1.3					Fort and Stover, 1997

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malformation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Site 3a, Sample 1, Aqueous Sediment Extract (3800 mg/kg Cu; 300 mg/kg Pb; 1200 mg/kg Zn)	19.60%	(17.5-21.7%)	5.30%	(3.3-7.3%)	12.50%	0.638	3.7					Fort and Stover, 1997
Site 3a, Sample 1, Whole Sediment (3800 mg/kg Cu; 300 mg/kg Pb; 1200 mg/kg Zn)	68.70%	(66.7-70.7%)	43.20%	(40.1-46.3%)	50.00%	0.728	1.6					Fort and Stover, 1997
Site 3a, Sample 2, Aqueous Sediment Extract (3800 mg/kg Cu; 300 mg/kg Pb; 1200 mg/kg Zn)	20.20%	(18.2-22.2%)	7.10%	(5.0-9.2%)	12.50%	0.619	2.9					Fort and Stover, 1997
Site 3a, Sample 2, Whole Sediment (3800 mg/kg Cu; 300 mg/kg Pb; 1200 mg/kg Zn)	57.50%	(53.5-61.5%)	38.30%	(34.2-42.4%)	50.00%	0.667	1.5					Fort and Stover, 1997
Site 3b, Sample 1, Aqueous Sediment Extract (3200 mg/kg Cu; 400 mg/kg Pb; 1300 mg/kg Zn)	10.40%	(8.3-12.5%)	1.60%	(1.4-1.8%)	6.30%	0.606	6.5					Fort and Stover, 1997
Site 3b, Sample 1, Whole Sediment (3200 mg/kg Cu; 400 mg/kg Pb; 1300 mg/kg Zn)	12.50%	(10.5-14.5%)	2.80%	(1.8-3.8%)	6.30%	0.504	4.5					Fort and Stover, 1997
Site 3b, Sample 2, Aqueous Sediment Extract (3200 mg/kg Cu; 400 mg/kg Pb; 1300 mg/kg Zn)	6.30%	(5.2-7.4%)	0.80%	(0.6-1.0%)	6.30%	1.00	7.9					Fort and Stover, 1997
Site 3b, Sample 2, Whole Sediment (3200 mg/kg Cu; 400 mg/kg Pb; 1300 mg/kg Zn)	18.30%	(16.3-20.3%)	4.50%	(4.0-5.0%)	6.30%	0.344	4.1					Fort and Stover, 1997
Sample AM-1A concentrations not detectable (copper, lead, zinc)											miscoiling of the gut	Fort et al., 1995
Sample AM-2A (330 mg/kg copper; 230 mg/kg lead; 240 mg/kg zinc)											miscoiling of the gut, visceral edema, skeletal kinking, craniofacial defects, microophthalmia	Fort et al., 1995

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Sample AM-3A (4200 mg/kg copper; 290 mg/kg lead; 1100 mg/kg zinc)											miscoiling of the gut, visceral edema, skeletal kinking, craniofacial defects, microophthalmia, microencephaly.	Fort et al., 1995
Sample B-2A (1100 mg/kg gasoline; 160 mg/kg diesel)											miscoiling of the gut, microophthalmia	Fort et al., 1995
Sample B-3A (7 mg/kg gasoline; 350 mg/kg diesel)											miscoiling of the gut, eye defects, microencephaly, hemorrhage	Fort et al., 1995
Sample B-4A (10,000 gm/kg gasoline; 600 mg/kg diesel)											miscoiling of the gut, craniofacial defects, microophthalmia, microencephaly	Fort et al., 1995
Sample B-5A (430 mg/kg gasoline; 18,000 mg/kg diesel)											miscoiling of the gut, craniofacial defects, microophthalmia, microencephaly	Fort et al., 1995
Sample CP-1A concentrations not detectable (PAH; pentachlorophenol; 2,3,7,8-TCDD)									4.2 (75)	2.9	miscoiling of the gut	Fort et al., 1995
Sample CP-2A (6.7 mg/kg PAH; 0.5 mg/kg pentachlorophenol; 0.02 mg/kg 2,3,7,8-TCDD)									40.9 (75)	56.9 (48)	miscoiling of the gut, visceral and craniofacial edema, skeletal kinking	Fort et al., 1995
Sample CP-3A (80 mg/kg PAH; 6 mg/kg pentachlorophenol; 1.9 mg/kg 2,3,7,8-TCDD)									100 (75)	NP		Fort et al., 1995
Sample L-1A concentrations not detectable (total organic vapors)									0 (75)	1.2 (75)	miscoiling of the gut	Fort et al., 1995
Sample L-2A (400-900 mg/kg total organic vapors)									25.3 (75)	26.2 (53)	miscoiling of the gut, skeletal kinking, hydroencephaly	Fort et al., 1995
Sample L-3A (>2500 mg/kg total organic vapors)									47.9 (75)	41.6 (37)	miscoiling of the gut, muscular kinking, eye defects, microencephaly	Fort et al., 1995
Sample RA-1A concentrations not detectable (aldrin, dieldrin, 4,4"-DDT, endosulfan 1)											miscoiling of the gut	Fort et al., 1995

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Sample RA-2A (0.1 mg/kg aldrin; 0.1 mg/kg dieldrin; 0.3 mg/kg 4,4"-DDT; 0.1 mg/kg endosulfan 1)											miscoiling of the gut, craniofacial defects, skeletal kinking, microencephaly	Fort et al., 1995
Sample RA-3A (0.9 mg/kg aldrin; 0.5 mg/kg dieldrin; 1.8 mg/kg 4,4"-DDT; 1.3 mg/kg endosulfan 1)											miscoiling of the gut, craniofacial defects, visceral edema, skeletal kinking, anencephaly, hemorrhage	Fort et al., 1995
Sample WD-1A concentrations not detectable (arsenic, lead, mercury)									0 (75)	0 (74)	miscoiling of the gut	Fort et al., 1995
Sample WD-2A (24 mg/kg arsenic; 440 mg/kg lead, 0.5 mg/kg mercury)									25.3 (75)	55.3 (53)	miscoiling of the gut, visceral edema, skeletal kinking, craniofacial defects, microophthalmia, microencephaly	Fort et al., 1995
Sample WD-3A (3.1 mg/kg arsenic; 42,000 mg/kg lead; 130 mg/kg mercury)									46.5 (75)	100 (38)	miscoiling of the gut, visceral edema, skeletal kinking, craniofacial defects, microophthalmia, microencephaly	Fort et al., 1995
Aqueous metal contaminated soil extracts-Site 1 (concentrations not detected)									5.0 (40)	7.9 (38)		Fort et al., 1996
Aqueous metal contaminated soil extracts-Site 2 (330 mg/kg copper; 230 mg/kg lead; 240 mg/kg zinc)									67.5 (40)	100.0 (13)		Fort et al., 1996
Aqueous PAH contaminated soil extracts-Site 1 (concentrations not detected)									5.0 (40)	7.9 (30)		Fort et al., 1996
Aqueous PAH contaminated soil extracts-Site 2 (6.7 mg/kg PAHs; 0.5 mg/kg pentachlorophenol; 0.02 mg/kg 2,3,7,8-TCDD)									45.0 (40)	77.3 (22)		Fort et al., 1996

Sample/ Contaminants	96-hr LC50	96-hr LC50 95% C.I.	96-hr EC50	96-hr EC50 95% C.I.	MCIG	MCIG/ LC50	Teratogenic Index (TI)	Toxic Units (TU)	% Mortality (N)	% Malfor-mation (N)	FETAX Malformations	FETAX Ref. Harvard Style
Aqueous PAH contaminated soil extracts-Site 3 (80 mg/kg PAHs; 6.0 mg/kg pentachlorophenol; 1.9 mg/kg 2,3,7,8-TCDD)									100.0 (40)	NP		Fort et al., 1996
Aqueous metal contaminated soil extracts-Site 3 (4,200 mg/kg copper; 290 mg/kg lead; 1,100 mg/kg zinc)									82.5 (40)	100.0 (7)		Fort et al.,1996