

Dimethyl Phthalate (DMP)

Surface Water Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
USA											
Buffalo River	82-86								4	USEPA, 1991	
Fort Erie	88-89	26	0.003						4	DIG, 1990	Dissolved only
Fort Erie	89-90	47	0.002						4	DIG, 1992	Dissolved only
Fort Erie	90-91	49	0.002						4	DIG, 1993	Dissolved only
Fort Erie	91-92	46	0.0015				0.0017		4	DIG, 1994	Water fraction
Fort Erie	92-93	50	0.0014				0.0015		4	DIG, 1995	Water fraction
Fort Erie	93-94	43	0.0018				0.0021		4	DIG, 1996	
Niagara-on-the-Lake	88-89	25	0.002						4	DIG, 1990	Dissolved only
Niagara-on-the-Lake	89-90	43	0.002						4	DIG, 1992	Dissolved only
Niagara-on-the-Lake	90-91	47	0.001						4	DIG, 1993	Dissolved only
Niagara-on-the-Lake	91-92	48	0.0014				0.0016		4	DIG, 1994	Water fraction
Niagara-on-the-Lake	92-93	46	0.0013				0.0014		4	DIG, 1995	Water fraction
Niagara-on-the-Lake	93-94	39	0.0013				0.0015		4	DIG, 1996	
US Waters	88-93					ND			4	Storet, 1995	0.65% >DL, dissolved and particle bound
California, south - 4 water filtration plants; raw drinking water	2001-02	13	0.148		<0.039		<0.039	0.784	1	Loraine and Pettigrove, 2006	Includes surface water and groundwater sources; det. in 5 of 13 samples
US Surface Water	1994					10			4	ATSDR Hazdat, 1998	Apparent outlier; excluded from average
US Waters	88-93						0.6	21	4	Storet, 1995	0.65% >DL, dissolved and particle bound
US Waters						<10			4	Staples, 1985	Excluded from average due to high detection limit
Washington, King County - lake waters	2002-2004						<0.0094	0.014	3	King County, 2007	
Washington, King County - streams and rivers	2002-2004						<0.0094	0.022	3	King County, 2007	
Washington, King County - stormwater	2003-2004						<0.024	1.71	3	King County, 2007	
Central Europe/UK											
France, River Marne (River Seine tributary -upstream Paris)	2002-2004	85	0.018				ND	0.034	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Alfortville (upstream Paris)	2002-2004	85	0.015				ND	0.029	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Alexandrelli (Paris)	2002-2004	85	0.009				ND	0.012	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Argenteuil (downstream Paris)	2002-2004	85	0.016				ND	0.026	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Maisons Laffitte (downstream Paris)	2002-2004	85	0.019				ND	0.044	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Herblay (downstream Paris)	2002-2004	85	0.065				ND	0.120	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRG (downstream Paris)	2002-2004	85	0.018				ND	0.034	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.103				ND	0.181	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Oise (River Seine tributary - downstream Paris)	2002-2004	85	0.058				ND	0.237	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, Marne River - Pont de Neuilly sur Marne	2007 (March)	1	0.0303			0.0303			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP
France, Marne River - Pont de Champigny sur Marne	2007 (March)	1	0.0481			0.0481			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP discharge
France, Marne River - Pont de Chennevières	2007 (March)	1	0.0496			0.0496			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
France, Marne River - Pont de Maisons-Alfort	2007 (March)	1	0.0345			0.0345			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
Germany - "background" concentration	1999	1	0.02			0.02		0.2	4	Alberti, et al. 2000	
Germany - Rhine river; 8 locations	2001 (March)	8	0.09	0.08	0.06		0.028	0.24	4	Schwarzhauser & Heim, 2005	
Mersey Estuary	N/A						ND	2	4	Preston et al, 1986,89	in ECPI, dates unknown
Netherlands	N/A			0.3			<0.1	0.5	4	van der Velde, et al.	
Netherlands-Drinking water	N/A				<0.1		<0.1	<0.1	4	van der Velde, et al.	
Netherlands	1999			0.017			<0.0045	0.19	1	Vethaak, et al. 2002	Detected in 60 of 87 samples
Netherlands - rivers	1998 (Aug-Oct)						0.02	0.09	4	van Stee et al., 2002	
North Sea	N/A	1	0.5						2	Hurford et al, 1989	in ECPI, dates unknown; average = 1/2 DL
North Sea - German Bight	2004 (Feb-Mar)	11	0.0002	0.0002	0.0001		<0.00001	0.00068	1	Xie et al., 2005	Dissolved fraction
Rhine	N/A						<0.02	0.17	4	ARW, 1986	in ECPI, dates unknown
Rhine	N/A						<0.02	0.32	4	ARW, 1987	in ECPI, dates unknown
Rhine River	1989						<0.01	0.074	4	Hendricks, et al. 1994	
Rhine River -12 Consecutive Days	1986	12	0.05				0.05	0.2	1	Ritsema et al, 1989	Water
Rhine River, Netherlands	91-92	83	0.032				0.021	0.036	1	Furtmann, 1993	
Rhine Tributaries	91-92						<0.02	0.055	1	Furtmann, 1993	Netherlands
Rhine-Dusseldorf	N/A						<0.02	0.06	4	ARW, 1985	in ECPI, dates unknown
Spain, Barcelona - Llobregat River	N/A	1	0.2			<0.4			1	Alzaga et al., 2003	
Spain, Catalonia - Llobregat River basin	2001 (autumn)	11	0.09				<0.18	<0.18	4	Cespedes et al., 2005	Not detected at any of 11 locations; LOD in Cespedes et al 2004
Spain, Catalonia - Ter River basin	2001 (March)	9	0.06				<0.11	<0.11	4	Cespedes et al., 2006	Not detected at any of 9 locations
Spain, marine water	N/A	1	0.5						1	Gimeno et al., 2003	
Spain - Ebro River	N/A	1	0.09				<0.17		1	Penalver et al., 2000	
Spain, Tarragona industrial port	N/A	2	0.09				<0.17	<0.17	1	Penalver et al., 2000	
Spain - industrial harbour	N/A	1	0.004				<0.008		1	Polo et al., 2005	
Spain - river	N/A	1	0.028				0.028		1	Polo et al., 2005	
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.3				<0.5	<0.6	4	Prie et al., 1996	Not detected in any of 3 samples
UK Estuaries	1988						<0.001	0.11	4	Mattheiessen, et al, 1992	
Yssel Lake/River	1986	6	0.005						1	Ritsema et al, 1989	Water; average = 1/2 DL
Northern Europe											
Brattoya	1996	1	0.03				<0.06		1	NIVA, 1996	Average = 1/2 DL
Breviksjorden	1996	1	0.03				<0.06		1	NIVA, 1996	Average = 1/2 DL
Faerder	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Femunden Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Frierflaket	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Fuglevik	1996	1	0.03				<0.06		1	NIVA, 1996	Average = 1/2 DL
Gasoyenna	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Gullaugbukta	1996	1	0.066				0.066		1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Holmen	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Langesundsbukta	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Lundevatn Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Mjøsa Fumesfjorden Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Mjøsa Gjøvik Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Mjøsa Hamar Lake	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Ormoya	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL
Slemmestad (VEAS)	1996	1	0.009				<0.018		1	NIVA, 1996	Average = 1/2 DL

Legend

Data, changes or comments added in 2009

Also used in drinking water summary

Excluded from calculated summary

Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassailable

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Swedish Lakes-Fracksjon	1996	3	0.021	0.011					4	Parkman and Remberger, 1996	
Swedish Lakes-Fyriskan	1996	3	0.137	0.062					4	Parkman and Remberger, 1996	
Swedish Lakes-Harsvatten	1996	3	0.017	0.018					4	Parkman and Remberger, 1996	
Swedish Lakes-Motala Strom	1996	3	0.004	0.004					4	Parkman and Remberger, 1996	
Swedish Lakes-Orrholmsviken	1996	3	0.015	0.016					4	Parkman and Remberger, 1996	
Swedish Lakes-Svartan	1996	3	0.029						4	Parkman and Remberger, 1996	
		956	0.038				<-0.0001	2			
Canada											
Canada, Chateaugay River	1993	62	0.1			<0.2			4	Berryman, 1996	SPMD
Canada, Chaudiere River	N/A	65	0.35			<0.7			4	Berryman, 1998	SPMD
B.C. - False Creek Harbour, sea water - total conc.	N/A	12	0.00351				0.00226	0.00546	1	Mackintosh et al., 2006	Detected in 100% of samples
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	12	0.00314				0.00202	0.00488	1	Mackintosh et al., 2006	Detected in 100% of samples
Alberta Surface Water	1835		1.47	2.1949	0.5		0.05	33	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.00005			<-0.0001			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.0032			0.0032			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0008			0.0008			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0003			0.0003			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0002			0.0002			1	Alberta Environment, 2005	
		1991	1.37				<-0.0001	33			
Alberta Surface Water Industrial (subset)	625		2.76	2.26	2.6		0.1	9	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Rural (subset)	1026		0.80	1.90	0.5		0.05	33	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Urban (subset)	184		0.86	1.49	0.5		0.05	13	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.018		0.009		0.003	0.085	1	Zeng et al., 2008a	Det. in 100% samples
China, Taihu Lake - heavily industrialized area	2000	12	42.6				0.286	84.9	4	Wang, et al. 2003	Detected in 100% of samples
China, Wuhan - East Lake	N/A	6	10.9						4	Xu, et al. 2007	
China, Wuhan - East Lake	N/A	1	6.4			6.4			4	Liang et al., 2008	
China - Yellow River at Xiadagndi	2004 (June)	3	0.247	0.018			ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Mengjin	2004 (June)	3	0.251	0.022					4	Sha et al., 2007	
China - Yellow River at Jiaogong	2004 (June)	3	0.101	0.001					4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	0.251	0.038					4	Sha et al., 2007	
China - Yellow River at Kalfeng	2004 (June)	3	0.168	0.037					4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	0.571	0.041			ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Mengzhou	2004 (June)	3	0.264	0.062					4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)	3					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Xinmang	2004 (June)	3					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Mangjin	2004 (June)	3	0.581	0.042					4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Wenyuan Channel	2004 (June)	3							4	Sha et al., 2007	
China - Yangtze River, Wuhan Section, Zhuankou	2005 (July)	1	0.031	0.007					4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section, Baishazhou	2005 (July)	1	0.295	0.106					4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section, Wuhanguan	2005 (July)	1					ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section, Left Yujiatou	2005 (July)	1	0.065	0.041					4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section, Right Yujiatou	2005 (Dec)	1					ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section, Jinkou	2005 (Dec)	1					ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section, Zhuankou	2005 (Dec)	1	0.10	0					4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section, Wuhanguan	2005 (Dec)	1					ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section, Yangliu	2005 (Dec)	1					ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
Japan - surface water	1985	27	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2003	Not detected in any of 27 samples
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000						<-0.008	0.010	1	Suzuki, et al. 2001	Detected in 2 of 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000						<-0.008	0.040	1	Suzuki, et al. 2001	Detected in 2 of 12 samples
Japan, Tokyo - Tama River site #3	1999-2000						<-0.008	0.052	1	Suzuki, et al. 2001	Detected in 1 of 12 samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000						<-0.008	0.092	1	Suzuki, et al. 2001	Detected in 3 of 12 samples
Japan, Tokyo - Aki River	1999-2000						<-0.008	0.010	1	Suzuki, et al. 2001	Detected in 2 of 12 samples
Japan, Tokyo - Asa River	1999-2000						<-0.008	0.082	1	Suzuki, et al. 2001	Detected in 3 of 12 samples
		89	6.7				<-0.008	84.9			
Other											
South Africa, Eastern Cape - East London harbour	2000						0.03	31.7	2	Fatoki and Noma, 2001	
South Africa, Eastern Cape - Port Elizabeth harbour	2000						0.03	350.8	2	Fatoki and Noma, 2001	
South Africa, Eastern Cape - Major rivers + Sandile Dam	2000						0.03	19.4	2	Fatoki and Noma, 2001	
Norwegian Coast - dissolved phase; marine	2004 (summer)	5	0.000091		0.000044		0.000016	0.000312	1	Xie et al., 2007	
Arctic - dissolved phase; marine	2004 (summer)	8	0.000017		0.000013		<0.000013	0.000037	1	Xie et al., 2007	
Central - dissolved phase; marine	2004 (summer)	3	0.0000065		<0.000013		<0.000013	<0.000013	1	Xie et al., 2007	
Australia, Melbourne Domestic water	1994						ND		4	Wilkie, et al. 1996	
Nigeria, Obafemi Awolowo University; U/S sewage discharge	2002-2003	8	0.48		<0.96		<0.96	<0.96	3	Ogunfowokan et al., 2006	Monthly samples for 8 months
Nigeria, Obafemi Awolowo University; D/S sewage discharge	2002-2003	32	4.380		<0.96		<0.96	21,030	3	Ogunfowokan et al., 2006	Monthly samples for 8 months

Ground Water											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe											
Netherlands	N/A					<0.1	<0.1	<0.1	4	van der Velde, et al.	
USA											
US Groundwater	80-94	8	355	830	27				4	ATSDR Hazdat, 1998	Median much lower than mean

Canada Canadian data were represented by Alberta Drinking water summarized below

Landfill Leachate											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
USA											
US Leachate	80-84	2	27	18	27				4	ATSDR Hazdat, 1998	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Finland - leachate from 11 municipal landfills	1998-99	2	27				NA	NA			
Spain - landfill leachate	N/A				<0.4		<0.4	5.5	1	Alzaga et al., 2003	
Sweden - landfill leachate	N/A	1	0.2			<0.4			1	Alzaga et al., 2003	
Sweden - landfill leachate	1995-96						<0.01	3	4	Paxeus, 1999a	3 landfills
Sweden, Denmark, Germany, Italy- Landfill leachate	1998-1999	17	0.5		<1		<1	<1	2	Jonsson et al., 2003	Leachate collected from 17 engineered landfills
		21	0.7				<0.01	5.5			
Japan/Asia											
China, Wuhan - leachate from 3 landfills	N/A	10	0.6				ND	2.80	4	Zhang and Wang, 2009	Det. In 9 of 10 samples; det. limit not reported
		10	0.6				ND	2.80			
Sediments											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
USA											
Ashtabula Harbor	N/A						<0.2		4	USEPA, 1990	No sampling dates
Ashtabula Harbor	N/A						<0.75		4	USEPA, 1990	No sampling dates
Ashtabula River	1982						< 1.7		4	USEPA, 1990	
Buffalo River	1981								4	USEPA, 1991	
Fort Devens, MA	79-81	1	0.1			0.1			4	Bodient, et al., 1983	
US Sediments-LOD/2*1/2	N/A	1554	2.911	21.801	0.964		0.004	590	4	Natl Sed Qual DB, 1998	
US Sediments->LOD	N/A	90	15.641	67.487	2.278		0.018	590	4	Natl Sed Qual DB, 1998	
US Sediments	88-96	6	0.32	0.53	0.11				4	ATSDR Hazdat, 1998	
Various sites across country (521 sites; 20 river basins)	1992-95				<0.050		<0.050	0.12	1	Lopes and Furlong, 2001	Dry wt.; detected in 0.6% of sites; 95%ile = <0.050
		1651	3.6				0.004	590			
Northern Europe											
Brattoya	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Breviksjorden	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Faerder	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Femunden Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Femunden Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Frierfallet	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Fuglevik	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Gracyrenna	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Gullaugbukta	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Holmen	1996	1	0.028			0.028			1	NIVA, 1996	
Ketelmeer	67-85	18	0.0035						2	Remberger, 1997	Average = 1/2 DL
Langsundsbukta	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Lundevatn Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Lundevatn Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Furnestl Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Furnestl Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Gjovik Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Gjovik Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Hamar Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Hamar Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
North Sea-Byfjorden	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-G2	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-GK 1	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-GK 2	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-MUST A3	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-MUST B3	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-MUST C2	1995	1	0.045			<0.09			4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
Ormyoia	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Slemmestad (VEAS)	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Swedish Lakes-Fyrisan 0-2 cm	1996	3	0.011						4	Parkman and Remberger, 1996	
Central Europe/UK											
France, Seine River	92-95						0.0001	0.001	4	Elf Atochem memo, 1997 (Lemaire, 1997)	
Germany	N/A	112	0.25		<0.5		<0.5	<0.5	4	Steffen and Lach, 2000	
Netherlands	1999	36	0.0005		<0.0005		<0.0005	0.003	1	ALcontrol, 1999	Detected in 4 of 36 samples
Netherlands	1999				0.014		<0.00127	2.5	1	Vethaak, et al. 2002	Detected in 20 of 21 samples
NL: Veenwoude	2000	1	0.04			<0.07			1	David and Sandra, 2001	Dry wt; 13.87% dry mass
NL: Heerde	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 62.03% dry mass
NL: Vught	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 51.60% dry mass
NL: Noordeinde	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 50.73% dry mass
Netherlands - 10 locations in North Sea	2000 spring	10	0.005		<0.01		<0.01	<0.01	1	Klamer et al., 2005	Dry wt.; surface sediment (top 5 cm); < 63 um fraction
Spain, Gernika, Bay of Biscay - Urdaibai estuary	2003 March						nd	nd	4	Barcelone et al., 2005	Not detected in any of 4 samples; det limit approx = 0.005 mg/kg
Spain, coastal fishing port - marine sediment	N/A	1	0.35			0.35			1	Gimeno et al., 2003	
Spain, Cantabria - northern, Atlantic coastal marine sediment	2007 (Jul-Sept)	5	0.025		<0.05		<0.05	<0.05	4	Antizar-Ladislao, 2009	Top 10 cm; sampling biased to locations affected by industry & shipping
		219	0.13				0.0001	2.5			
ECO AB at Svartan	1994								3	Parkman and Remberger, 1995	Dry wt.
ECO AB at Svartan	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Arasviken	1994	3	0.001	0.001					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Arasviken	1994	3	0.05	0.06					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Archip Goteborg	1994								3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Archip Goteborg	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Bohus	1994								3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Bohus	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Breddreven	1994								3	Parkman and Remberger, 1995	N/A
Gullspangsalven-Breddreven	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Halvarsnoret	1994	3	0.002	0.005					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Halvarsnoret	1994	3	0.01	0.02					3	Parkman and Remberger, 1995	per organic material

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Gullspangsalven-Holmsjon	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Holmsjon	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Lesjon	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Lesjon	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Mockeln	1994	3	0.001	0.002					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Mockeln	1994	3	0.03						3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Tornvarpen	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Tornvarpen	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Trollhattan	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Trollhattan	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Stockholm	1994	6	0.002	0.005					3	Parkman and Remberger, 1995	Dry wt.
Stockholm	1994	6	0.03	0.05					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Abiskojaure	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Abiskojaure	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Brunnsjon	1994	3	0	0					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Brunnsjon	1994	3	0.02	0.03					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Fracksjon	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Fracksjon	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Harsvatten	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Harsvatten	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Jutsajaure	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Jutsajaure	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Krageholmsson	1994			0					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Krageholmsson	1994			0					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Stensjon	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Stensjon	1994			N/A					3	Parkman and Remberger, 1995	per organic material
Tarkett in Ronnebyhamn	1994			0					3	Parkman and Remberger, 1995	Dry wt.
Tarkett in Ronnebyhamn	1994			0					3	Parkman and Remberger, 1995	per organic material
Upstream ECO AB at Ormaryd	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Upstream ECO AB at Ormaryd	1994			0					3	Parkman and Remberger, 1995	per organic material
Upstream of Tarkett	1994			0					3	Parkman and Remberger, 1995	Dry wt.
Upstream of Tarkett	1994			0.01					3	Parkman and Remberger, 1995	per organic material
Canada											
B.C. - marine sediments	N/A				0.0384		0.0146	0.1254	4	Mackintosh et al., 2002	Corrected for blanks; det. in all 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	17	0.0379				0.0225	0.0634	1	Mackintosh et al., 2006	
B.C. - False Creek	1991	12	0.149		0.460		0.200	0.530	4	Garrett, 2000	Average calculated using 1/2 detection limits (vary by sample)
B.C. - Vancouver Harbour	1991	2	0.312		0.312		0.093	0.530	4	Garrett, 2000	
B.C. - Fraser River, near wood preservers	1990	8	0.067		0.0415		0.028	0.150	4	Garrett, 2000	
B.C. - Victoria Harbour and Esquimalt	1990	14	0.140		0.079		0.035	0.670	4	Garrett, 2000	
		53	0.105				0.015	0.670			
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.088		0.039		0.001	0.43	1	Zeng et al., 2008a	Top 10 cm; det. in 100% samples
China - Yellow River at Xiaolangdi	2004 (June)	3	0.186	0.005		0.186			4	Sha et al., 2007	
China - Yellow River at Mengjin	2004 (June)	3	0.385	0.009		0.385			4	Sha et al., 2007	
China - Yellow River at Mengzhou	2004 (June)	3	0.416	0.011		0.416			4	Sha et al., 2007	
China - Yellow River at Jiagong	2004 (June)	3	0.143	0.0085		0.143			4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	0.304	0.038		0.304			4	Sha et al., 2007	
China - Yellow River at Kafeng	2004 (June)	3	0.242	0.011		0.242			4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	3	0.140	0.018		0.140			4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	1.037	0.026		1.037			4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)						ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Xinmang	2004 (June)						ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary Mangjin	2004 (June)	3	0.031	0.0007		0.031			4	Sha et al., 2007	
China - Yellow River tributary - Wenyuan Channel	2004 (June)	3	0.428	0.0109		0.428			4	Sha et al., 2007	
China - Yangtze River, Wuhan Section: Left Zhuankou	2005 (July)	1	1.89	0.38		1.89			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Left Baishazhou	2005 (July)	1	0.10	0.01		0.10			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Left Wujianguan	2005 (July)	1	0.87	0.12		0.87			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Right Wujianguan	2005 (July)	1	2.24	0.74		2.24			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Left Yujiatou	2005 (July)	1	1.11	0.25		1.11			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Right Yujiatou	2005 (July)	1	1.66	0.36		1.66			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section: Jinkou	2005 (Dec)	1	0.02	0		0.02			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Zhuankou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Wujianguan	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Yanglou	2005 (Dec)	1	0.01	0		0.01			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Jinshui	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Dongjing River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Houguan Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Tangyun Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Xunsi River	2005 (Dec)	1	0.01	0		0.01			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Qinduan River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Changfeng Bridge	2005 (Dec)	1	0.41	0.03		0.41			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Guocikou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Jijiazui	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: East Lake	2005 (Dec)	1	0.02	0.01		0.02			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Lijiadun	2005 (Dec)	1	0.13	0.01		0.13			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Fu River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Zhujia River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Hou Lake	2005 (Dec)	1	0.22	0.01		0.22			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Xiaowan	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Wu Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section: Qingshan Harbor	2005 (Dec)	1	0.01	0		0.01			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section: Daoshui River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
Japan - bottom sediment	1985	27	0.005		<0.01		<0.01	<0.01	4	Japan MCE, 2003	Not detected in any of 27 samples
		86	0.23				<0.01	2.24			
Other											
Canal Camelpo	N/A						ND	7.4	3	Albert, et al. 1988	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Presa Tuxpango, Mexico	N/A		2.6	3			ND	7.1	3	Albert, et al, 1988	
Rio Escamela	N/A						ND	0.3	3	Albert, et al, 1988	
Greenland	2002						<0.0015	<0.0015	3	Vorkamp et al., 2004	Not corrected for blanks; unclear if wet wt or dry wt basis

Suspended Particulate Matter												
Location	Date	N	Average	SD	Median	Single Point	Low	High	Range	Data Quality	Reference	Comments
Europe												
Netherlands	1999				0.224		<0.0013	16		1	Vethaak, et al. 2002	Detected in 43 of 51 samples; median calc. using detected values only
Rhine River -12 Consecutive Days	1986									1	Ritserma et al, 1989	Suspended Particulate matter, dry weight
Yssel Lake/River	1986		NA				<0.1	0.2		1	Ritserma et al, 1989	Suspended Particulate matter, dry weight
							<0.0013	16				
Canada												
B.C. - False Creek Harbour, marine sediments	N/A	12	0.343				0.138	0.853		1	Mackintosh et al., 2006	
		12	0.343				0.138	0.853				
Japan/Asia												
China - Yellow River at Jiaogong	2004 (June)					ND				4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Zhengzhou	2004 (June)	1	0.564	0.014						4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)	1	0.576	0.0146						4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	1	0.485	0.0123						4	Sha et al., 2007	
China - Yellow River tributary - Yiluo River	2004 (June)	1	3.012	0.0768						4	Sha et al., 2007	
		4	1.2				ND	3.01				
Other												
Concentration as ng/L												
North Sea - German Bight	2004 (Feb-Mar)	9	0.03	0.02	0.01		<0.01	0.07		1	Xie et al., 2005	Total suspended matter
Norwegian Coast -marine; 0.75 um fraction	2004 (summer)	5	0.0005		<0.001		<0.001	<0.001		1	Xie et al., 2007	Total suspended matter
Arctic - marine; 0.75 um fraction	2004 (summer)	8	0.0005		<0.001		<0.001	<0.001		1	Xie et al., 2007	Total suspended matter
Central - marine; 0.75 um fraction	2004 (summer)	3	0.0005		<0.001		<0.001	<0.001		1	Xie et al., 2007	Total suspended matter
		25	0.011				<0.001	0.07				

Soil												
Location	Date	N	Average	SD	Median	Single Point	Low	High	Range	Data Quality	Reference	Comments
Europe												
Germany, Stuttgart	N/A				78					4	UMEG, 1999 cited in Langenkamp and Part, 2001	152 samples; 90th percentile = 252 ug/kg
Netherlands	1998?	34	0.25		<0.5		<0.5	<0.5		1	ALcontrol, 1999	Not detected in any of 34 samples
UK - brickearth, Hamble Series	N/A	1	0.1			0.1				4	Gibson et al., 2005	
UK - gault clay, Evesham Series	N/A	1	0.1			0.1				4	Gibson et al., 2005	
		36	0.24				0.1	78				
Soil Core-Spain	N/A	12				20000				3	Navarro, 1991	
Japan/Asia												
China - agricultural soil from 23 locations	N/A	23	11		<5.79		<5.79	200		1	Hu et al., 2003	Surface soil, 0 to 5 cm depth; detected in 4% of samples
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	5		5		1	8		1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 100% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	26		26		19	32		1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	6		6		2	12		1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 100% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	25		6		3	157		1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 100% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	9		4		1	33		1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 100% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	152	94	152		19	348		1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	74	40	72		9	127		1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	67	40	89		17	101		1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Beijing - 30 locations in urban areas	N/A	30	10	12	8		ND	67		4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 8 ug/kg; dry wt; DL not provided
		130	39				1	348				
US Soil	83-97	31	144181	597349	1040					4	ATSDR Hazdat, 1998	unit error?

Air												
Location	Date	N	Average	SD	Median	Single Point	Low	High	Range	Data Quality	Reference	Comments
Central Europe												
Outdoor - vapour phase and total air												
Italy - near DBP processing plant	1999	2	5			<10				1	RIC, 2000	Average = 1/2 DL
Kortrijk-1 km upwind of incinerator	1998	1	0.5			<1				1	RIC, 1998	Average = 1/2 DL
Kortrijk-100m from Greenhouse	1998	1	0.5			<1				1	RIC, 1998	Average = 1/2 DL
Kortrijk-10m from Greenhouse	1998	1	2			2				1	RIC, 1998	
Kortrijk-1m from Greenhouse	1998	1	3			3				1	RIC, 1998	
Kortrijk-300m downwind of incin	1998	1	0.5			<1				1	RIC, 1998	Average = 1/2 DL
Kortrijk-City Traffic	1998	1	6			6				1	RIC, 1998	
Kortrijk-Highway Traffic	1998	1	1			<2				1	RIC, 1998	Average = 1/2 DL
Kortrijk-Outside Laboratory	1998	5	1			<2				1	RIC, 1998	Average = 1/2 DL
Belgium - Rural area	1998?	3	1.65							1	Tienpont, et al. 2000	
France, Paris - total atmospheric conc.	May 2002-Apr 03	20	5.7	5.2						4	Teil et al. 2006	
France, Paris - vapour phase	May 2002-Apr 03	20	5.9		5.0		0.1	21.2		4	Teil et al. 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.29				0.13	0.82		1	Xie et al., 2006	Vapour; 5 m above ground
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	1				<2	<2		1	David and Sandra, 2001	Total air (vapour + aerosol); winter
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	1				<2	<2		1	David and Sandra, 2001	Summer
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	1				<2	<2		1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	1				<2	<2		1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	16				10	23		1	David and Sandra, 2001	Summer
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	1				<2	<2		1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	2				2	2		1	David and Sandra, 2001	Summer
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	1				<2	<2		1	David and Sandra, 2001	Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	1				<2	<2		1	David and Sandra, 2001	Summer
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	1				<2	<2		1	David and Sandra, 2001	Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	1				1	2		1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	1				<2	<2		1	David and Sandra, 2001	Winter

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	3				3	4	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	1				<2	<2	1	David and Sandra, 2001	Winter
North Sea - German Bight	2004 (Feb-Mar)	10	0.3	0.21	0.19		0.16	0.54	1	Xie et al., 2005	Vapour
		101	3.3				0.1	23			
Europe											
Outdoor - particulates											
France, Paris - particulate phase	May 2002-Apr 03	20	0.1		0.1		nd	0.3	4	Teil et al. 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.005				<0.003	0.011	1	Xie et al., 2006	Particles; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	26	0.078		<0.002		<0.002	<0.002	1	Xie et al., 2005	Particles; not detected in 3 samples
Italy - near DBP/DEHP processing plant	1999	2	85				60	110	1	RIC, 1999	100 m from production and exhaust
Italy - stack emission DBP processing plant	1999	1				<10			1	RIC, 1999	
Italy - stack emission DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Italy - unfiltered emission DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Kortrijk-PVC proc exhaust	1998	1	104182			104182			1	RIC, 1998	
Kortrijk-Inclin Exhaust, filtered	1998	1	12						1	RIC, 1998	
Kortrijk-Inclin Exhaust, unfiltered	1998	1	0.5						1	RIC, 1998	
Kortrijk-PVC proc prod unit	1998	1	0.5						1	RIC, 1998	
Aggarbattie burning-Air	N/A					3700000			4	Srivastava, et al, 1988	units=mg/m3
Coal Power Station emission	N/A						ND	0.7	4	Halle, et al.	ug per dry standard cubic meter
Fly ash-US	N/A	14	31000			31000			4	EPA/600/D-89/232	
Indoor											
Inside Car 1	1998	1	9			9			1	RIC, 1998	
Inside Car 2-New	1998	1	11			11			1	RIC, 1998	
Inside Car 2-Old	1998	1	44			44			1	RIC, 1998	
Kortrijk-House w/15 year old PVC Floor	1998	1	12			12			1	RIC, 1998	
Kortrijk-House w/5 year old PVC Floor	1998	1	19			19			1	RIC, 1998	
Kortrijk-Underground Parking	1998	5	2.5				<5	8	1	RIC, 1998	Average = 1/2 DL
Kortrijk-Underground Parking	1999	1	8			8			1	RIC, 1998	summer; parking not full
Kortrijk-Underground Parking	1999	1	7			7			1	RIC, 1998	summer; full capacity
Kortrijk-Inside Laboratory	1998	5	19			19			1	RIC, 1998	
Kortrijk-Inside Greenhouse	1998	1	2			2			1	RIC, 1998	
Kortrijk-Flooring shop	1998	1	0.5			<1			1	RIC, 1998	Average = 1/2 DL
Kortrijk - Sports Hall	1998	5	10				4	18	1	RIC, 1998	
Kortrijk - Kindergarten	2000	2	127				125	129	1	RIC, 2000	
Germany, Berlin - 59 apartments	2000-01	59	1182		436		N/A	13907	4	Fromme et al., 2004	95th percentile = 4648 ng/m3
Germany, Berlin - 74 kindergartens	2000-01	74	1034		331		N/A	13233	4	Fromme et al., 2004	95th percentile = 6249 ng/m3
		159	923				<1	13907			
Italy - Inside DBP processing plant	1999	1				<10			1	RIC, 1999	
Italy - Inside DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Japan/Asia											
Outdoor											
Japan, Osaka - measured outside car, 1.2 m above ground	2000-02	30	8				0.5	60	4	Yoshida and Matsunaga, 2006	Values read from graph
		30	8				0.5	60			
Japan - Ibaraki Prefecture	1991	1	200			200			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50				<100	<100	3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	50				<100	<100	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50				<100	<100	3	Watanabe, 2001	August; 30 m to 100 m above ground surface
Indoor											
Japan - inside car; 1 d to 3 y after delivery	1999-2002	44	70				2.5	200	4	Yoshida and Matsunaga, 2006	Values read from graph
		44	70				2.5	200			
Other											
Arctic, Alert - particle phase	1991 (Feb-June)	15	0.044	0.028	0.036		0.009	0.100	1	Fu et al., 2009	Weekly samples; detected in 15 of 16 samples; only detected data reported
Arctic - gas phase	2004 (summer)	6	0.107	0.074			0.040	0.223	1	Xie et al., 2007	
Arctic - particle phase	2004 (summer)	6	0.004	0.003			0.001	0.008	1	Xie et al., 2007	
Dust											
Europe											
Outdoor											
France, Paris - particulates	May 2002-Apr 03	20	7600		3400		1300	40700	4	Teil et al. 2006	
		20	7600				1300	40700			
Indoor											
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk-Dust in Sports Arena indoor	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	5000			5000			1	RIC, 1998	
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	5000			5000			1	RIC, 1998	
Belgium, Kortrijk - Kindergarten floor	2000	1	500			<1000			1	RIC, 2000	
Belgium, Kortrijk - Underground parking	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk - Underground parking	1999	1	100			<200			1	RIC, 1998	Average = 1/2 DL
Belgium House Dust	N/A	12	500		<1000		<1000	<1000	4	David et al., 2001	
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	1500		600		300	13700	4	Greenpeace Belgium, 2004	23 individual and pooled samples
Bulgaria, Sofia & Burgas- children's rooms (dust above floor level)	2004-2005	177	2.60E+05		2.80E+05		<2.6E+05	4.30E+06	4	Kolarik et al., 2008a and b	Det. in 91.5% samples; 95th%CI of geo mean = 2.1E+05 to 3.2E+05
Denmark - house dust	2002	3	50		<100		<100	<100	4	Santillo, et al. 2003	Not detected in any of 3 samples
Finland - house dust	2002	3	880		400		<100	2200	4	Santillo, et al. 2003	Detected in 2 of 3 samples
France - house dust	2002	1	50			<100			4	Santillo, et al. 2003	
Germany, Berlin - house dust, 30 apartments	2000-01	30	10,800		1500		N/A	157,900	4	Fromme et al., 2004	95th percentile = 46,400; detected in 29 of 30 samples
Netherlands - House dust	2001	115	900		<1000		200	35000	4	Greenpeace, 2001	Detected in 9 of 115 samples; used 1/2 DL to calculate average

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Netherlands - School dust	2001	12	1380		<1000		<1000	11000	4	Greenpeace, 2001	Detected in 1 of 12 samples; used 1/2 DL to calculate average
Netherlands - Office dust	2001	7	500				<1000	<1000	4	Greenpeace, 2001	
Netherlands - Hospital, university, hotel dust	2001	3	500				<1000	<1000	4	Greenpeace, 2001	Average = 1/2 DL
Spain - house dust	2002	1	400			400			4	Santillo, et al. 2003	
Sweden - house dust	2002	2	50		<100		<100	<100	4	Santillo, et al. 2003	
U.K. - house dust	2002 (Oct-Nov)	29	120		<100		<100	1100	4	Santillo, et al. 2003	Detected in 11 of 29 samples
		426	109,223				<100	4,300,000			

Deposition Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Europe											
France, Paris - bulk deposition	May 2002-Apr 03	1	56						4	Teil et al. 2006	Wet dep = 32.5 ug/m2/y; calc. dry dep. = 23.5 ug/m2/y
		1	56				NA	NA			

Precipitation Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Europe											
France, Paris - rainwater	May 2002-Apr 03	72	0.116						4	Teil et al. 2006	
Netherlands - rainwater	1999				0.012		0.008	0.018	1	Vethaak, et al. 2002	Detected in 3 of 3 samples
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.082	0.121	0.047		<0.010	0.75	1	Peters, 2003	Detected in 88% of samples; MDL 0.010 ug/L
		122	0.102				0.008	0.75			

Precipitation Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Japan/Asia											
China, Jinan (Shandong Province) - rainwater	2007 (Aug)	1	0.59			0.59			4	Zhao et al., 2008	
		1	0.59				N/A	0.59			

Wastewater Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
USA											
California, south - reclaimed wastewater	2001-02	6	0.394		<0.045		<0.045	2.36	1	Loraine and Pettigrove, 2006	Det. in 1 of 6 samples
California, south - wastewater influent	2001-02						<0.045	3.32	1	Loraine and Pettigrove, 2006	
Fort Devens, MA-wastewater inf	78-81	1	13.7			13.7			4	Bedient, et al. 1983	
US POTW influent		7	2.3				134	207	4	EPA/440.01.91.009A	
							<0.045	207			
New Jersey POTW Effluent-C	N/A	3	0.5			0.5			3	Clark et al. 1991	Estimate
Fly Ash Leachate-US	N/A	13	580			580			4	EPA/600/D-89/232	

Wastewater Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Europe											
Belgium - Roeselare; WWTP influent	2001	16	0.5					ND	4	ECPI, 2001	Not detected; detection limit assumed to be 1.0 ug/L
Belgium - Roeselare; WWTP effluent	2001	16	0.5					ND	4	ECPI, 2001	Not detected; detection limit assumed to be 1.0 ug/L
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	1.82		1.59		1.28	2.58	4	ECPI, 2002	
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.025		<0.05		<0.05	<0.05	4	ECPI, 2002	
Denmark, Water extract of sludge	N/A	12	0.2		0.2		0.2	0.2	4	Rydkfors, 1996	
Denmark - Aalborg East municipal WWTP, influent	N/A	3	1.88	1.61			0.269	4.31	4	Roslev et al., 2007	24 hour samples
Denmark - Aalborg East municipal WWTP, effluent	N/A	3	0.115	0.119			ND	0.237	4	Roslev et al., 2007	24 hour samples; det. limit not specified
Italy-Filtered POTW Influent	Feb-95	5	5	2					4	Lepri et al. 1997	
Italy-Filtered POTW Influent	Jul-95	5	13	3					4	Lepri et al. 1997	
Finland, 4 STPs - influent	1998-2001						<1	<1	2	Martinen et al., 2003a	
Finland, 4 STPs - effluent	1998-2001						<1	<1	2	Martinen et al., 2003a	
France, Marne Aval - WWTP influent after pre-treatment (grit removal)	2006 (May)	7	0.82	1.13					1	Dargnat et al., 2009	
France, Marne Aval - WWTP final effluent	2006 (May)	7	0.01				<0.02	<0.02	1	Dargnat et al., 2009	Removal: 90%
France, Marne Aval - WWTP final effluent, rainy conditions	2007 (March)	1	0.01			<0.02			1	Dargnat et al., 2009	
France, Paris - influent, dry weather	N/A	10	0.05		<0.10		<0.10	<0.10	4	Gasperi et al., 2008	
Germany - pulp & paper industry	1999	1	0.03			0.03			4	Alberti, et al. 2000	
Germany - leather industry	1999	1	0.28			0.28			4	Alberti, et al. 2000	
Germany - landfill	1999	1	0.03			0.03			4	Alberti, et al. 2000	
Germany - chemical industry	1999	1	0.05			0.05			4	Alberti, et al. 2000	
Netherlands - STP effluent	1999				0.17		<0.003	0.32	1	Vethaak, et al. 2002	Detected in 2 of 9 samples
Netherlands-WW effluent	N/A	1	0.2			0.2	0.1	0.3	4	van der Velde, et al.	
Netherlands-WW influent	N/A	1	1.5			1.5	0.3	4.6	4	van der Velde, et al.	
Norway, Bekkelaget Plant Slurry	1996	1	0.01				<0.02		1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Inflow	1996	1	0.103				0.103		1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Outflow	1996	1	0.03				<0.06		1	NIVA, 1996	
Norway, Fuglevik Plant Slurry	1996	1	0.1				0.1		1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Inflow	1996	1	0.115				0.115		1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Outflow	1996	1	0.142				0.142		1	NIVA, 1996	
Norway, Veas Plant Slurry	1996	1	0.54				0.54		1	NIVA, 1996	
Norway, VEAS Sewage Plant Inflow	1996	1	0.115				0.115		1	NIVA, 1996	
Norway, VEAS Sewage Plant Outflow	1996	1	0.03				<0.06		1	NIVA, 1996	
Norway, 5 WWTPs influent	2002	10	0.1				<0.2	<0.2	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, 5 WWTPs effluent	2002	10	0.1				<0.2	<0.2	4	Vogelsang, et al. 2006	7-10 d composite samples
Spain, Barcelona - untreated urban wastewater	N/A	1	0.2			<0.4			1	Alzaga et al., 2003	
Spain, Barcelona - treated urban wastewater	N/A	1	0.2			<0.4			1	Alzaga et al., 2003	
Spain, Catalonia - Ter River basin; influent from STP	2001 (March)	5	0.055				<0.11	<0.11	4	Cespedes et al., 2006	Not detected at any of 5 locations
Spain, Catalonia - Ter River basin; effluent from STP	2001 (March)	5	0.055				<0.11	<0.11	4	Cespedes et al., 2006	Not detected at any of 5 locations
Spain, Catalonia - Llobregat R. basin; influent from STP	2001 (autumn)	4	0.09				<0.18	<0.18	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Catalonia - Llobregat R. basin; effluent from STP	2001 (autumn)	4	0.09				<0.18	<0.18	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Galicia - influent from STP	N/A	1	0.004			<0.008			1	Polo et al., 2005	
Spain, Galicia - effluent from STP	N/A	1	0.004			<0.008			1	Polo et al., 2005	
Spain - wastewater from urban collector	N/A	1	0.004			<0.008			1	Polo et al., 2005	
Spain, Granada - urban wastewater influent	N/A	6	0.096		<0.150		<0.150	<0.400	1	Ballesteros et al., 2006	Not detected in any of 6 samples
Spain, Granada - urban wastewater influent	N/A	6	0.029		<0.057		<0.057	<0.057	4	Zafra-Gomez et al., 2008	Not detected in any of 6 samples
Swedish POTW effluent	89-91	7	0.25						4	Paxeus, et al. 1992	ND = 0.5
Swedish POTW Influent	89	4	2.3						4	Paxeus, et al. 1992	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Swedish POTW Influent	90	4	0.4						4	Paxeus, et al, 1992	
Swedish POTW Influent	91	8	0.4						4	Paxeus, et al, 1992	
Swedish POTW Influent	89-91	16	0.1				0.1	10	4	Paxeus, et al, 1992	
Sweden - municipal wastewater influent	1996						0.1	2	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - municipal wastewater effluent	1996						<0.01	0.5	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - industrial wastewater	1990						<0.1	<0.1	4	Paxeus and Avergard, 1992	8 large industries
Sweden - domestic wastewater	1988						<0.1	<0.1	4	Mattson et al., 1991	2 residential areas
Scotland - SEPA West Region - STW Effluent	1996	19	1.4		<1.2		<1.0	<1.9	4	Pirie et al., 1996	Not detected in any of 19 samples
Scotland - SEPA East Region - STW Effluent	1996	24	1.0	0.8	<1.0		<0.32	2.9	4	Pirie et al., 1996	Detected in 4 of 24 samples
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	0.26	0.41					4	Oliver et al., 2005	
		266	0.8				<0.003	13		Max. is a referenced average	
Canada											
Alberta Industrial Surface Water	84-99	625	2.76	2.258	2.6		0.1	9	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	6	0.0013	0.0014	0.001		0.0001	0.0039	1	Alberta Environment, 2005	Det. in 6 of 8 samples; range and average are for detected values
		631	2.76				0.0001	9			
Japan/Asia											
China, Harbin municipal STP, raw sewage	2007 (May)	1	0.779		0.779				4	Kong et al., 2008	
China, Harbin municipal STP, primary sedimentation effluent	2007 (May)	1	0.557		0.557				4	Kong et al., 2008	
China, Harbin municipal STP, anaerobic tank effluent	2007 (May)	1	0.387		0.387				4	Kong et al., 2008	
China, Harbin municipal STP, aerobic tank effluent	2007 (May)	1	0.256		0.256				4	Kong et al., 2008	
China, Harbin municipal STP, secondary sedimentation effluent	2007 (May)	1	0.194		0.194				4	Kong et al., 2008	
China, Harbin municipal STP, coagulation tank effluent	2007 (May)	1	0.190		0.190				4	Kong et al., 2008	
China, Harbin municipal STP, air floatation tank effluent	2007 (May)	1	0.174		0.174				4	Kong et al., 2008	
China, Harbin municipal STP, filtration tank effluent	2007 (May)	1	0.111		0.111				4	Kong et al., 2008	
		8	0.33				0.111	0.779			
Other											
Australia, Melbourne sewage	1994	8					<1	3	4	Wilkie, et al, 1996	
Australia, Melbourne treatment inf	1994	8					<1	3	4	Wilkie, et al, 1996	
Egypt, 10th of Ramadan - ind. & domestic influent	NA						0.045	0.060	4	Ahmed, et al, 1999	
Egypt, 10th of Ramadan - ind. & domestic effluent	NA						0.010	0.030	4	Ahmed, et al, 1999	
			NA				0.010	3			
Nigeria, Obafemi Awolowo University, sewage lagoon	2002-2003	30	18,300		6,375		<0.96	114,380	3	Ogunfowokan et al., 2006	Monthly samples for 8 months
Sludge											
Location	Date	N	Average	SD	Median	Point	Low	High	Data Quality	Reference	Comments
USA											
US Sludge	1988	2	39800	3111	39800		NA	NA	4	ATSDR Hazdat, 1998	units suspect
Sewage Sludge-Eur, US, Canada	N/A						800	800000	4	Alcock and Jones, 1993	in KEMI
Europe											
Denmark - Sewage sludge	N/A	11	34.55		20		20	90	4	Ryktors, 1996	
Denmark - Aalborg East municipal WWTP, dewatered sludge	N/A						ND	ND	4	Roslev et al., 2007	Detection limit not specified
Finland, 4 STPs - prim., sec. digested sludge	1999-2001						<1000	<1000	2	Martinen et al., 2003a	Dry wt.
France - Toulouse - Giestous treatment plant	N/A	1	770				680	840	4	Sablayrolles et al. 2005	dry wt.
France, Marne Aval - WWTP, centrifuged sludge	2006 (May)	10	2,700	2,300					1	Dargnat et al., 2009	dry wt.
Germany - Northeast Bavaria-Primary Sludge	1989						ND	ND	1	Zurmuhi, 1990	Not detected in 9 samples; det. limit not specified
Sweden - Sewage Sludge	N/A	27	1200				1000	19,500	4	Linusson, 1992	in KEMI
Switzerland - domestic	1999?	4	5		<10.1		<10.1	<10.1	2	Berset and Etter-Holzer, 2001	Not detected in 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?	6	10		<10.1		<10.1	27	2	Berset and Etter-Holzer, 2001	Detected in 2 of 6 samples
Switzerland - domestic, storm water, lgr amt. ind.	1999?	2	8		10.6		<10.1	11	2	Berset and Etter-Holzer, 2001	Detected in 1 of 2 samples
UK - Ashford, mesophilic anaerobically dig. dewatered from WWTP	N/A	1	26			26			1	Gibson et al., 2005	
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	40	60					4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
		94	659				<10.1	19,500			
Bekkelaget Plant Sludge	1996	1			0.13				1	NIVA, 1996	
Fuglevik Plant Sludge	1996	1			0.08				1	NIVA, 1996	
Veas Plant Sludge	1996	1			0.31				1	NIVA, 1996	
Belgium - Negenmanneke, WWTP, domestic	2002	3	0.28		<0.05		<0.05	0.8	4	ECPI, 2002	Units are ug/L
Canada											
Canadian Sludge	93-94	72	30				<10	130	4	Webber and Nichols, 1995	
Vancouver area; 5 wastewater treatment plants	1999 (Mar-Aug)	20	130	340			<20	1,500	4	Bright and Healey, 2003	Det. in 15 of 20 samples; 95th perc = 740
		92	52				<10	1500			
Hamilton and Winnipeg Sludge	80-85	1					<2000		4	Webber and Lesage, 1989	disregarded from average
Sewage Sludge-Eur, US, Canada	N/A						800	800000	4	Alcock and Jones, 1993	in KEMI
Japan/Asia											
China, Beijing - Gaobeidian WWTP	1998-99	1	710			710			4	Cai et al., 2007a	Activated sludge treatment; 50% domestic, 50% industrial sewage
China, Lanzhou - Qilhe WWTP	1998-99	1	2,000			2,000			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Xi'an - Beishiqiao WWTP	1998-99	1	24			24			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Wuxi - Lucun WWTP	1998-99	1	610			610			4	Cai et al., 2007a	Activated sludge treatment
China, Guangzhou - Datansha WWTP	1998-99	1	130			130			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 60% domestic, 40% ind. sewage
China, Foshan - Zhen'an WWTP	1998-99	1	670			670			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 90% domestic, 10% ind. sewage
China, Zhuhai - Xiangzhou WWTP	1998-99	1	63			63			4	Cai et al., 2007a	Oxidizing ditch treatment; 65% domestic, 35% industrial sewage
China, Shenzhen - Binhe WWTP	1998-99	1	4			4			4	Cai et al., 2007a	Oxidizing ditch treatment; 60% domestic, 40% industrial sewage
China, Dapu - Dapu WWTP	1998-99	1	360			360			4	Cai et al., 2007a	Activated sludge treatment
China, Shatian - Shatian WWTP	1998-99	1	150			150			4	Cai et al., 2007a	Activated sludge treatment
China, Yuanlang - Yuanlang WWTP	1998-99	1	200			200			4	Cai et al., 2007a	Activated sludge treatment
		11	447				4	2,000			
Other											
China - composted municipal sludge	N/A	1	410			410			4	Cai et al., 2007b	Manual-turned composting
China - composted municipal sludge	N/A	1	960			960			4	Cai et al., 2007b	Inoculate-manual-turned composting
China - composted municipal sludge	N/A	1	1,500			1,500			4	Cai et al., 2007b	Continuously aerated composting

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
China - composted municipal sludge	N/A	1	630			630			4	Cai et al., 2007b	Intermittently aerated composting
Morocco - activated sludge	N/A	1	540			540			4	Amir et al., 2004	

Drinking Water											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
							Low	High			
USA											
California, south - 4 water filtration plants	2001-02	15	0.04		<0.039		<0.039	0.54	1	Loraine and Pettigrove, 2006	Det. in 1 of 15 samples
		15	0.04				<0.039	0.54			
Europe											
Croatia - bottled mineral water; PET bottle	N/A	9	0.02		<0.04		<0.04	<0.04	4	Bosnir et al., 2007	No preservative; pH = 5.82
Czech Republic, Prague - tap water	N/A	1	0.08			0.08			1	Prokupkova et al., 2002	
Czech Republic, Prague - bottled mineral water	N/A	1	0.025			<0.05			1	Prokupkova et al., 2002	Glass bottles, metal caps with PVC inserts
Czech Republic, Prague - bottled spring water	N/A	1	0.10			0.10			1	Prokupkova et al., 2002	PET bottles
Italy - bottled water (glass)	N/A				0.02		<0.02		4	Montuori et al., 2008	71 samples; 75th perc = 0.04 ug/L
Italy - bottled water (PET)	N/A				0.06		<0.02		4	Montuori et al., 2008	71 samples; 75th perc = 0.10 ug/L
Italy - bottled water (glass and PET)	N/A	142	0.07						4	Montuori et al., 2008	
Netherlands-Drinking water	N/A				<0.1		<0.1	<0.1	4	van der Velde, et al.	
Portugal, Lisbon - tap water	N/A	1	0.04			0.04			1	Serodio and Nogueira, 2006	Detection limit = 0.008 ug/L
Portugal, Lisbon - bottled mineral water	N/A	1	0.004			0.008			1	Serodio and Nogueira, 2006	Detection limit = 0.008 ug/L
Spain, Catalonia - public water fountains	N/A	7	0.002				<0.002	0.004	1	Casajuand and Lacorte, 2003	Detected in 2 of 7 samples
Spain - bottled water - PET bottles	N/A	10	0.002		<0.002		<0.002	0.003	1	Casajuand and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - PET bottles	N/A	6	0.002				<0.002	0.005	1	Casajuand and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - glass bottles	N/A						<0.002	0.001	1	Casajuand and Lacorte, 2003	Detected in 1 of 2 samples
Spain - bottled mineral water	N/A	1	0.026			0.026			1	Polo et al., 2005	
Sweden	1994-95						<0.01	<0.01	4	Bergstedt et al., 1999 cited in Paxeus, 1999	39 samples
		180	0.058				<0.002	0.10			
Italy - bottled mineral water	N/A							0.05	3	Signorile et al., 2007	Detected in 2 of 5 samples (0.01, 0.05 ug/L); MDL not reported
Canada											
Alberta Drinking Water	87-98	1273	0.502	0.02806	0.5		0.5	1		AENV, 1999a, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Ottawa, ON - bottled water (polycarbonate bottle)	2007	1	0.006			<0.012			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (glass or PETE bottles)	2006	10	0.006				<0.012	<0.012	1	Cao, 2008	Carbonated and non-carbonated water
		1284	0.50				<0.012	1		Mean represents one half detection limit	
Alberta Drinking Water Rural (subset)	87-98	637	0.502	0.03436	0.5		0.5	1		AENV, 1999a, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Drinking Water Urban (subset)	87-98	636	0.501	0.01983	0.5		0.5	1		AENV, 1999a, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Jinan (Shandong Province) - tap water	2007 (Aug)	1	0.18			<0.35			4	Zhao et al., 2008	
China, Wuhan - tap water	N/A	6	2.2				<4.3		4	Xu, et al. 2007	
China - bottled mineral water	N/A	6	2.2				<4.3		4	Xu, et al. 2007	
China, Wuhan - tap water	N/A	1	0.9			<1.8			4	Liang et al., 2008	
China, Wuhan - bottled mineral water	N/A	1	0.9			<1.8			4	Liang et al., 2008	
		15	1.9				<0.35	<4.3		Mean represents one half detection limit	
Total		1494	0.45				<0.002	1			

Food											
Type	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
							Low	High			
BEVERAGES											
Soft drinks - Croatia; PET bottle	N/A	9	0.06056				0.017	0.166	4	Bosnir et al., 2007	Preserved with orthophosphoric acid; pH = 2.82
Soft drinks - Croatia; PET bottle	N/A	14	0.06257				<0.00004	0.233	4	Bosnir et al., 2007	Preserved with sodium benzoate; pH = 2.75
Soft drinks - Croatia; PET bottle	N/A	5	0.7598				<0.00004	3.00	4	Bosnir et al., 2007	Preserved with potassium sorbate; pH = 2.88
Soft drinks - Croatia; PET bottle	N/A	8	0.50088				0.018	2.666	4	Bosnir et al., 2007	Preserved with sodium benzoate & potassium sorbate; pH = 2.82
Wine - Italy, commercial, glass bottles	N/A	26	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, commercial, polyethylene coupled film brick	N/A	10	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, private wine producers, glass bottles	N/A	18	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, experimental pilot plant, glass bottles	N/A	8	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine -10 varieties; Spain	N/A	10	0.00015	0.00024	<0.0000214		<0.0000214	0.00061	2	Carillo et al., 2008	Det. in 3 of 10 wines; variety of containers/closures
		108	0.0975				<0.0000214	3.00			
FATS & OILS											
Olive oil, extra virgin - Italy	N/A	6	0.034		<0.068		<0.068	<0.068	2	Cavaliere et al., 2008	
Olive oil, refined and virgin - Italy	N/A	6	0.034		<0.068		<0.068	<0.068	2	Cavaliere et al., 2008	
Olive oil + pomace oil - Italy	N/A	4	0.034		<0.068		<0.068	<0.068	2	Cavaliere et al., 2008	
		16	0.034				<0.068	<0.068		Mean represents one half detection limit	
FISH											
Arctic Char - Austrian alps, Lake Schwarzsee ob Soelden (remote)	2002?	1	0.001			<0.002			4	Krautter and Seidl, 2002	wet weight
Crab-Commencement Bay	Jun-84							ND	4	US Dept of Health, 1993	
Fish, muscle - Netherlands	1999				0.0011		<0.00019	0.0054	1	Vethaak, et al. 2002	Detected in 16 of 37 samples; median calc. using detected values only
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.00014						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00015						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.00017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.00030						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada-Pacific Oysters	1999	9	0.00050						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Geoduck Clams	1999	9	0.00054						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Manila Clams	1999	9	0.00019						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada -Dungeness Crabs	1999	9	0.00082						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada -Purple Seastar	1999	9	0.00020						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C., Canada -Juvenile Shiner Perch	1999	9	0.00050						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Pacific Herring	1999	9	0.00021						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%
False Creek harbour, B.C., Canada -Pile Perch	1999	9	0.00045						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Striped Seaperch	1999	9	0.00022						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada -Pacific Staghorn Sculpin	1999	9	0.00020						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada -English Sole	1999	9	0.00029						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
False Creek harbour, B.C., Canada -Whitespotted Greenling	1999	9	0.00031						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada -Spiny Dogfish- muscle	1999	9	0.00262						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C., Canada -Spiny Dogfish- liver	1999	9	0.00236						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada -Spiny Dogfish- embryo	1999	9	0.00120						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C., Canada -Surf Scoters	1999	9	0.00039						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Mussels, whole body - Netherlands	1999				0.00081		<0.00014	0.0038	1	Verhaak, et al. 2002	Detected in 12 of 12 samples
Bream and Roach - NL	1998	25	0.0002		<0.0004		<0.0004	<0.0004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL; 0.77% fat	2000	1	0.0002			<0.0004			1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL; 0.98% fat	2000	1	0.0021						1	David and Sandra, 2001	Wet wt
Roach - NL; 1.58% fat	2000	1	0.0002			<0.0004			1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Molluscs - NL	2000	3	0.004	0.002			<0.001	0.008	1	David and Sandra, 2001	Wet wt
Invertebrates - NL	2000	3	0.041	0.044			0.019	0.060	1	David and Sandra, 2001	Wet wt
		215	0.0012				0.000015	0.060			
GRAINS											
Dried Barley Grain-Fertilizer	1989	1	0.003			0.003			3	Kirchmann and Tengsved, 1991	
Dried Barley Grain-Pig Slurry	1989	1	0.003			0.003			3	Kirchmann and Tengsved, 1991	
Dried Barley Grain-Sewage sludge	1989	1	0.002			0.002			3	Kirchmann and Tengsved, 1991	
		3	0.0027				0.002	0.003			Data categorized as not reliable
MILK											
Milk - Canada : collected at farm - hand milked	N/A						<0.00018	<0.0011	1	Feng et al., 2005	Ave. fat = 3.56 %
Milk - Canada; collected at farm - machine milked	N/A						<0.00018	<0.0011	1	Feng et al., 2005	DEHP present in the PVC tubing; Ave. fat = 4.02%
Milk - Netherlands; direct from cows	1998	29	0.0005		<0.001		<0.001	<0.001	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - Netherlands; direct from cows	2000	3	0.0005		<0.001		<0.001	<0.001	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
Milk - South Korea; raw bovine milk	N/A	30	0.001				<0.002	0.017	1	Kim et al., 2009	Detected in 7% of samples
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.00175	0.0001					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.0013	0.0002					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.00097	0.0001					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.00119	0.0002			<0.00018	0.017	1	Casajuana and Lacorte, 2004	3% fat
		70	0.0008								
TOTAL DIET SAMPLES											
Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)				< 0.005		< 0.005	0.017	4	Fromme et al., 2007b	Detected in 35 of 350 samples (10%); det. limit 0.005 ug/g fresh wt.
Taiwan, Taipei - packaged lunch	N/A	3	0.064	0.018	0.062		0.048	0.083	4	Chen et al., 2008	
		3	0.064				<0.005	0.083			
Taiwan - packaged lunch; microwaved 3 min. plastic wrap covering bowl	N/A	3	0.126	0.027	0.117		0.105	0.156	4	Chen et al., 2008	
Taiwan - packaged lunch; microwaved 3 min. plastic wrap touching food	N/A	3	0.196	0.055	0.203		0.138	0.247	4	Chen et al., 2008	
INFANT FORMULA - liquid											
Reconstituted infant formula - Spain - powder in can	2003	2	0.00138	0.00001					1	Casajuana and Lacorte, 2004	
		2	0.00138				N/A	0.00138			
BREAST MILK											
Mother's milk - Canada, Kingston, Ontario	2003-2004	86	0.00032		<0.00063		<0.00063	<0.00063	1	Zhu et al., 2006	Detected in 0 of 86 samples
		86	0.00032				<0.00063	<0.00063		Mean represents one half detection limit	
Vegetation											
	Date	N	Average	SD	Median	Point	Low	High	Data Quality	Reference	Comments
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	6		<10		<10	28	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	5				<10	<10	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
		55	6				<10	28			
Wildlife											
	Date	N	Average	SD	Median	Point	Low	High	Data Quality	Reference	Comments
Greenland - Polar bear liver	1999-2002						44.1	56.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - Minke whale liver	1998					2.5			3	Vorkamp et al., 2004	Not corrected for blanks
Faroe Islands - Pilot whale liver	2001						2.5	2.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Ringed seal liver	2002						2.5	8.4	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, west - Ringed seal liver	2002						2.5	2.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Shorthorn sculpin liver	2002						<1.5	<1.5	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%
Greenland, west - Shorthorn sculpin liver	2002						2.5	2.5	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%
Faroe Islands - Northern fulmar - fat tissue	1998-1999						<1.5	5.8	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%
US Tissues>LOD/2 ¹ /2	N/A	1017	489.85	3827.92	141.421		1.178	116673	4	Nat'L Sed Quality DB, 1998	
US Tissues>LOD	N/A	2	3803.5	5284	3803.5		67	7540	4	Nat'L Sed Quality DB, 1998	
Human Blood											
	Date	N	Average	SD	Median	Point	Low	High	Data Quality	Reference	Comments
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.0017	0.005	<0.002		<0.002	0.034	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 1 of 45 samples
		45	0.002				<0.002	0.034			

Diethyl Phthalate (DEP)

Surface Water Location	Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High			
USA										
Buffalo River	82-86	19	5					4	USEPA, 1991	Average = 1/2 DL
Fort Erie	89-90	47	0.029					4	DIG, 1992	Dissolved only
Fort Erie	90-91	49	0.021					4	DIG, 1993	Dissolved only
Fort Erie	91-92	48	0.02				0.023	4	DIG, 1993	Water Fraction
Fort Erie	92-93	50	0.016				0.018	4	DIG, 1995	Water Fraction
Fort Erie	93-94	43	0.021				0.025	4	DIG, 1996	Water Fraction
Fort Erie	88-89	26	0.019					4	DIG, 1990	Dissolved only
Fort Erie	88-89	25	0.027					4	DIG, 1990	Suspended Solids
Missouri & Kansas, Blue River Basin, Kansas City	1998-2000	49	0.17	0.06	<0.35	0.22	0.46	2	Wilkinson et al., 2002	Detected in 5 of 49 samples
New Jersey, Trenton - Assunpink Ck; 91 m d/s WWTP	N/A	4	0.25		<-0.5	<-0.5	<-0.5	1	Alvarez et al., 2005	Not detected in any of 4 samples
New Jersey, Trenton - Assunpink Ck; 3.2 km d/s WWTP	N/A	3	0.25		<-0.5	<-0.5	<-0.5	1	Alvarez et al., 2005	Not detected in any of 3 samples
Niagara-on-the-Lake	91-92	48	0.014				0.016	4	DIG, 1993	Water Fraction
Niagara-on-the-Lake	92-93	49	0.013				0.015	4	DIG, 1995	Water Fraction
Niagara-on-the-Lake	93-94	39	0.014				0.016	4	DIG, 1996	Water Fraction
Niagara-on-the-Lake	88-89	25	0.014					4	DIG, 1990	Dissolved only
Niagara-on-the-Lake	88-89	26	0.011					4	DIG, 1990	Suspended Solids
Niagara-on-the-Lake	89-90	43	0.015					4	DIG, 1992	Dissolved only
Niagara-on-the-Lake	90-91	47	0.012					4	DIG, 1993	Dissolved only
Seattle DW	N/A					0.01			USEPA, 1987	
South Dakota, Watertown, Brookings, & Volga - U/S & D/S of WWTP	2003-2004	20	0.265		<0.5	<0.5	0.55	1	Sando et al., 2005	Detected in 1 of 20 samples (upstream sample)
Storet Data-Ambient water	N/A				<10			4	USEPA, 1987	3% of measurements >DL
Storet Data-DW	78-87	65	6.77	3.77		0.01	10	4	USEPA, 1987	
Cincinnati DW	N/A					0.1		4	USEPA, 1987	
US Surface Water	83-90	10	33	69	3			4	ATSDR Hazdat, 1989	
US Surface Water - U/S, effluent, & D/S of 10 WWTPs	N/A				<-0.5	<-0.5	0.71	1	Glassmeyer et al., 2005	Detected in 2 of 40 samples
US Waters	88-93							4	Storet, 1995	1.4% >DL, dissolved and particle bound
US Waters	88-93					0.5	55	4	Storet, 1995	1.4% >DL, dissolved and particle bound
US streams - 139 streams in 30 states	1999-2000			0.2		<-0.25	0.42	2	Kolpin, et al. 2002	Detected in 11.1% of samples; sites biased towards ones with suspected contam.
		733	1.21			0.01	55			
California, south - 4 water filtration plants; raw drinking water	2001-02	13	0.184		<-0.49	<-0.49	1.49	1	Loraine and Pettigrove, 2006	Includes surface water and groundwater sources; det. in 2 of 13 samples
Washington, King County - lake waters	2002-2004					<-0.0094		3	King County, 2007	
Washington, King County - streams and rivers	2002-2004					<-0.0095	0.55	3	King County, 2007	
Washington, King County - stormwater	2003-2004					<-0.25	2.55	3	King County, 2007	
Central Europe/UK										
France, Seine River - upstream of WWTP	N/A	1	0.05		<0.1			4	Bruchet et al., 2002	
France, Seine River - downstream of WWTP	N/A	1	0.05		<0.1			4	Bruchet et al., 2002	
France, River Marne (River Seine tributary -upstream Paris)	2002-2004	85	0.152			ND	0.198	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Allortville (upstream Paris)	2002-2004	85	0.046			ND	0.08	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Alesandrelli (Paris)	2002-2004	85	0.058			ND	0.198	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Argenteuil (downstream Paris)	2002-2004	85	0.119			ND	0.276	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Maisons Laiffite (downstream Paris)	2002-2004	85	0.074			ND	0.144	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Herblay (downstream Paris)	2002-2004	85	0.208			ND	0.392	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRG (downstream Paris)	2002-2004	85	0.170			ND	0.421	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.133			ND	0.225	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, River Oise (River Seine tributary - downstream Paris)	2002-2004	85	0.178			ND	0.304	4	Teil et al., 2007	Detection limit: 0.003 to 0.050 ug/L
France, Marne River - Pont de Neuilly sur Marne	2007 (March)	1	0.0883		0.0883			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP
France, Marne River - Pont de Champigny sur Marne	2007 (March)	1	0.0917		0.0917			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP discharge
France, Marne River - Pont de Chennevières	2007 (March)	1	0.0790		0.0790			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
France, Marne River - Pont de Maisons-Affort	2007 (March)	1	0.0249		0.0249			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
Germany - Rhine River (south)	1999	1	0.05		0.05			4	Alberti, et al. 2000	
Germany - Rhine River	1999	1	0.14		0.14			4	Alberti, et al. 2000	
Germany - Niess River	1999	1	0.39		0.39			4	Alberti, et al. 2000	
Germany - Rhine River (northwest)	1999	1	0.04		0.04			4	Alberti, et al. 2000	
Germany - Ems River	1999	1	0.03		0.03			4	Alberti, et al. 2000	
Germany -Weser River	1999	1	0.04		0.04			4	Alberti, et al. 2000	
Germany - Elbe River	1999	1	0.03		0.03			4	Alberti, et al. 2000	
Germany - Elbe River	1999	1	0.05		0.05			4	Alberti, et al. 2000	
Germany - Warnow River	1999	1	0.06		0.06			4	Alberti, et al. 2000	
Germany - Peene River	1999	1	0.07		0.07			4	Alberti, et al. 2000	
Germany - Ucker River	1999	1	0.09		0.09			4	Alberti, et al. 2000	
Germany - Oder River	1999	1	0.05		0.05			4	Alberti, et al. 2000	
Germany - Oder River	1999	1	0.06		0.06			4	Alberti, et al. 2000	
Germany -Elbe River	1999	1	0.09		0.09			4	Alberti, et al. 2000	
Germany - "background" concentration	1999	1	0.06		0.06		0.8	4	Alberti, et al. 2000	
Germany - Rhine river; 8 locations	2001 (March)	8	0.326	0.149	0.325	0.15	0.58	4	Schwarzhauser & Heim, 2005	
Italy-Rieti District-August	1994					<-0.008	3.2	2	Vitali et al., 1997	
Italy-Rieti District-June-July	1994	22	0.004					2	Vitali et al., 1997	Average = 1/2 DL
Italy-Rieti District-Sept-Oct	1994	22	0.004					1	Vitali et al., 1997	Average = 1/2 DL
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.004					2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.006					2	Cincinelli, et al., 2001	Sea-surface microlayer
Mersey Estuary	N/A					ND	2	4	Preston et al. 1986,1989	in ECPI
Netherlands-Drinking water	N/A			0.1		<-0.1	0.1	4	van der Velde, et al.	
Netherlands	N/A			0.2		<-0.1	2.6	4	van der Velde, et al.	
Netherlands	1999			0.43		<-0.07	2.3	1	Vielhaak, et al. 2002	Detected in 24 of 87 samples; median calc. using detected values only
Netherlands - rivers	1998 (Aug-Oct)					0.08	0.3	4	van Stee et al. 2002	
Noord-Brabant	87-88					1	4	4	Projectgroep Zwalvis, 1989	10% > DL
North Sea	N/A	1	0.5					2	Hurford et al. 1989	in ECPI; average = 1/2 DL
North Sea - German Bight	2004 (Feb-Mar)	11	0.0007	0.0011	0.00035	0.00003	0.004	1	Xie et al., 2005	Dissolved fraction
Rhine	N/A					<-0.02	0.39	4	ARW, 1986	in ECPI
Rhine	N/A					0.03	1.1	4	ARW, 1987	in ECPI
Rhine River	N/A					0.08	0.81	4	IARW, 1983-85	in ECPI
Rhine River	N/A					<-0.02	0.51	4	IARW, 1986-87	in ECPI
Rhine River	1989					<-0.01	0.058	4	Hendricks, et al. 1994	
Rhine River -12 Consecutive Days	1986	12	0.23			0.15	0.45	1	Ritsema et al., 1989	Water
Rhine River, Netherlands	91-92	83	0.078			<-0.02	0.29	1	Furtmann, 1993	
Rhine Tributaries	91-92	134	0.11			<-0.02	1.8	1	Furtmann, 1993	Netherlands

Legend

Yellow Data, changes or comments added in 2009

Light Blue Also used in drinking water summary

Grey Excluded from calculated summary

Pink Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Rhine-Dusseldorf	N/A						0.15	0.57	4	ARW, 1985	in ECPI
Rhine-Dusseldorf	N/A						0.23	2.77	4	ARW, 1984	in ECPI
Spain, Barcelona - Llobregat River	N/A	1	0.19			-0.38			1	Alzaga et al., 2003	
Spain, Catalonia - Llobregat River basin	2001 (Autumn)	11	1.5	1.9	0.85		0.22	6.85	4	Céspedes et al., 2005	
Spain, Catalonia - Ter River basin	2001 (March)	9	2.8	3.8	0.15		<0.01	9.77	4	Céspedes et al., 2006	Detected at 5 of 9 locations
Spain, marine water	N/A	1	0.25			<0.5			1	Gimeno et al., 2003	
Spain - Ebro River	N/A	1	0.26			0.26			1	Penalver et al., 2000	
Spain, Tarragona industrial port	N/A	2	0.51				0.39	0.62	1	Penalver et al., 2000	
Spain, Biscay - Nerbio-ibaizabal estuary (industrialized)	N/A	1	0.8	0.2					1	Cortazar et al., 2002	Detection limit = 0.11 µg/L
Spain - industrial harbour	N/A	1	1.606			1.606			1	Polo et al., 2005	
Spain - river	N/A	1	0.030			0.030			1	Polo et al., 2005	
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.25			<0.5	<0.5	<0.5	4	Pirie et al., 1996	Not detected in any of 3 samples
UK Estuaries	1988						<0.001	0.43	4	Mattheiessen, et al, 1992	
UK, Severn Trent Water	1998	7	0.1				<0.2	0.2	4	Fawell et al, 2001	Detected in 1 of 7 samples
Yssel Lake/River	1986	6	0.05				0.02	0.08	1	Ritsema et al, 1989	Water
Northern Europe											
Brattoya	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Brevikfjorden	1996	1	0.03			<0.01			1	NIVA, 1996	Average = 1/2 DL
Faerder	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Femunden Lake	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Frierflaket	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Fuglevik	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Gasøyrenna	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Gullaugbukta	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Haddalsvatn Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Holmen	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Langesundbukta	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Lundevatn Lake	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Furnesfjorden Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Gjøvik Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Mjøsa Hamar Lake	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Ornøya	1996	1	0.009			<0.018			1	NIVA, 1996	Average = 1/2 DL
Slammestad (VEAS)	1996	1	0.03			<0.06			1	NIVA, 1996	Average = 1/2 DL
Swedish Lakes-Fracksjön	1996								4	Parkman and Remberger, 1996	
Swedish Lakes-Frysan	1996	3	0.384	0.05					4	Parkman and Remberger, 1996	
Swedish Lakes-Harsvatten	1996	3	0.008	0.014					4	Parkman and Remberger, 1996	
Swedish Lakes-Motala Strom	1996								4	Parkman and Remberger, 1996	
Swedish Lakes-Orrholmsviken	1996								4	Parkman and Remberger, 1996	
Swedish Lakes-Riddarfjärden (ice)	1996								4	Parkman and Remberger, 1996	
Swedish Lakes-Riddarfjärden(ice out)	1996	3	0.026						4	Parkman and Remberger, 1996	
Swedish Lakes-Svartan	1996								4	Parkman and Remberger, 1996	
		1155	0.15				0.00003	10			
Italy, northern - 2 km upstream of WWTP discharge	2007 (Jan-May)	6	0.621	1.082	0.217		0.0293	2.821	3	Bicchi et al., 2009	No info about receiving water; conc. upstream of WWTP > downstream
Italy, northern - 2 km downstream of WWTP discharge	2007 (Jan-May)	6	0.082	0.036	0.074		0.0532	0.1509	3	Bicchi et al., 2009	
Canada											
Canada, Chateauguay River	1993						<0.7	19	4	Berryman, 1996	SPMD
Canada, Chaudiere River	N/A						<0.2	7.6	4	Berryman, 1998	SPMD
B.C. - False Creek Harbour, sea water - total conc.	N/A	11	0.126				0.046	0.351	1	Mackintosh et al., 2006	Detected in 11 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	11	0.112				0.041	0.313	1	Mackintosh et al., 2006	Detected in 11 of 12 samples; average is for detected values
Alberta Surface Water	84-99	1742	1.42	2.26	0.5		0.05	55	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0185			0.0185			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.0485			0.0485			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0226			0.0226			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0027			0.0027			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0092			0.0092			1	Alberta Environment, 2005	
		1769	1.40				0.0027	55			
Alberta Surface Water Industrial (subset)	84-99	608	3.04	3.21	3.5		0.05	55	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Rural (subset)	84-99	963	0.557	0.473	0.5		0.05	5	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Urban (subset)	84-99	171	0.497	0.190	0.5		0.05	2.5	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Beijing - Haidian District, Jingmi Canal	2006	1	0.82			0.82			4	Li et al., 2008	
China, Beijing - Haidian District, Xiaoqing River	2006	1	1.15			1.15			4	Li et al., 2008	
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.059		0.031		0.015	0.32	1	Zeng et al., 2008a	Det. in 100% samples
China, Taihu Lake - heavily industrialized area	2000						0.247	1.15	4	Wang, et al. 2003	Detected in 17% of samples; average of det. values stated as 6.98 µg/L
China, Wuhan - East Lake	N/A	6	22						4	Xu, et al. 2007	
China, Wuhan - East Lake	N/A	1	19.1			19.1			4	Liang et al., 2008	
China - Yellow River at Xiaolangdi	2004 (June)	3	0.161	0.005					4	Sha et al., 2007	
China - Yellow River at Mengjin	2004 (June)	3	0.158	0.005					4	Sha et al., 2007	
China - Yellow River at Jiaogong	2004 (June)	3	0.425	0.111					4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	0.309	0.065					4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)	3	0.442	0.052					4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	3	0.384	0.041					4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	1.093	0.032					4	Sha et al., 2007	
China - Yellow River tributary - Mengzhou	2004 (June)	3	0.0115	0.0003					4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)	3	0.234	0.051					4	Sha et al., 2007	
China - Yellow River tributary - Xinmang	2004 (June)	3	0.292	0.009					4	Sha et al., 2007	
China - Yellow River tributary Mangjin	2004 (June)	3	0.343	0.010					4	Sha et al., 2007	
China - Yellow River tributary - Wenyuan Channel	2004 (June)	3	0.192	0.005					4	Sha et al., 2007	
China - Yangtze River, Wuhan Section; Zhankou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Baishazhou	2005 (July)	1	0.032	0.007					4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Wuhangou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)	1	0.070	0.005					4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)	1	0.365	0.011					4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Jinkou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Zhankou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Wuhangou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Yangluo	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
Japan Rivers	N/A	5	0.1						4	Mitsubishi Chemical; in API, 1998	Average = 1/2 DL
Japan - surface water	1985	27	0.1		<0.2		<0.2	<0.2	4	Japan MCE, 2003	Not detected in any of 27 samples

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan - 12 major rivers	early 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	late 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	summer 1999	12	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 12 sites
Japan - Rivers - general watersheds	summer 1998	100	0.07		<0.1		<0.1	1.1	4	Japan MOE, 1999b	Detected at 3 of 100 sites
Japan - Rivers - general watersheds	autumn 1998	139	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.06		<0.1		<0.1	0.2	4	Japan MOE, 1999b	Detected at 2 of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	1999?				<0.1		<0.1	0.3	4	JEA, 1999	Detected at 4 of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.06		<0.1		<0.1	0.7	4	Japan MOE, 2000b	Detected in 5 of 124 samples
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected in any of 6 samples
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected in any of 17 samples
Japan - Rivers	2001 (Jan.-Mar.)	124	0.07		<0.1		<0.1	0.8	4	Japan MOE, 2001a	Detected in 14 of 124 samples
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected in any of 5 samples
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected in any of 17 samples
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000				<0.004		<0.004	<0.004	1	Suzuki, et al., 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000	8	0.00045		0.00037		<0.004	0.071	1	Suzuki, et al., 2001	Detected in 10 of 12 samples
Japan, Tokyo - Tama River site #3	1999-2000				<0.004		<0.004	0.073	1	Suzuki, et al., 2001	Detected in 10 of 12 samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000				<0.004		<0.004	0.310	1	Suzuki, et al., 2001	Detected in 10 of 12 samples
Japan, Tokyo - Aki River	1999-2000			<0.004			<0.004	0.011	1	Suzuki, et al., 2001	Detected in 3 of 12 samples
Japan, Tokyo - Asa River	1999-2000				<0.004		<0.004	0.120	1	Suzuki, et al., 2001	Detected in 10 of 12 samples
Korea - nationwide survey of 43 sites	N/A						ND	0.54	4	Choi et al., 2001	Detected in 3 of 43 samples
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.5				<0.6	2.5	4	Yuan, et al., 2002	Sample locations described as heavily contaminated
		708	0.30				<0.004	22			
Other											
South Africa, Eastern Cape - East London harbour	2000						0.03	33.1	2	Fatoki and Noma, 2001	
South Africa, Eastern Cape - Port Elizabeth harbour	2000						0.03	398.3	2	Fatoki and Noma, 2001	
South Africa, Eastern Cape - Major rivers + Sandile Dam	2000						0.03	35.6	2	Fatoki and Noma, 2001	
Norwegian Coast - dissolved phase; marine	2004 (summer)	5	0.000362		0.000281		0.000170	0.000795	1	Xie et al., 2007	
Arctic - dissolved phase; marine	2004 (summer)	8	0.000045		0.000037		<0.00008	0.000155	1	Xie et al., 2007	
Central - dissolved phase; marine	2004 (summer)	3	0.000004		<0.000008		<0.000008	<0.000008	1	Xie et al., 2007	
Australia, Melbourne domestic water	1994	3	<1						4	Wilkie, et al., 1996	
Nigeria, Obafemi Awolowo University; U/S sewage discharge	2002-2003	8	0.46		<0.92		<0.92	<0.92	3	Ogunfowokan et al., 2006	Monthly samples for 8 months
Nigeria, Obafemi Awolowo University; D/S sewage discharge	2002-2003	32	190		<0.92		<0.92	6,180	3	Ogunfowokan et al., 2006	Monthly samples for 8 months

Ground Water											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
Ft. Devens, MA-near waste pond	78-81	1	0.87			0.87			4	Bedient, et al., 1983	
US Groundwater	80-94	34	147	427	11		0.87	147	4	ATSDR Hazdat, 1998	
		35	143							Maximum is a referenced average	
Europe											
Netherlands	N/A		NA		0.1		0.1	0.2	4	van der Velde	
Japan/Asia											
Japan - general watersheds	summer 1998	8	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites
Japan - general watersheds	autumn 1998	12	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected in any of 23 samples
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.06		<0.1		<0.1	0.2	4	Japan MOE, 2001a	Detected in 1 of 24 samples
India, Chemical - groundwater near waste sites	N/A	1	0.0005			<0.001			4	Swati et al., 2008	
		68	0.05				<0.001	0.2			
Canada											
Canadian data were represented by Alberta Drinking water summarized below											

Landfill Leachate											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
US Leachates	80-90	8	2108	5614	86		N/A	N/A	4	ATSDR Hazdat, 1998	excluded leachate
		8	2108								
Europe											
Finland - leachate from 11 municipal landfills	1998-99						<1	9	2	Martinen et al., 2003a	
Spain - landfill leachate	N/A	3	72		60		44	112	1	Alzaga et al., 2003	
Sweden - landfill leachate	N/A	1	2.0			2.0			1	Alzaga et al., 2003	
Sweden - landfill leachate	1995-96						<0.01	4	4	Faxeus, 1999a	3 landfills
Sweden, Denmark, Germany, Italy- Landfill leachate	1998-1999	17	6	10	<1		<1	33	2	Jonsson et al., 2003a	Leachate collected from 17 engineered landfills
Denmark - MSW, no leachate collection system	spring 1999	1	60			60			4	Baun et al., 2004	
		22	17				<0.01	112			
Japan/Asia											
Japan - landfill leachate	N/A					ND			4	Behnisch et al., 2001	Detection limit: 0.1 to 0.3 ug/L
China, Wuhan - leachate from 3 landfills	N/A	10	0.94				ND	5.66	4	Zhang and Wang, 2009	Det. in 9 of 10 samples; det. limit not reported
India, Chemical - leachate from waste sites	N/A	1	276				56.8	495.3	4	Swati et al., 2008	
		11	26.0				<0.1	495.3			

Sediments											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
Ashitabula Harbor	N/A						<0.2		4	USEPA, 1990	No sampling dates
Ashitabula Harbor	N/A						<0.75		4	USEPA, 1990	No sampling dates
Ashitabula River	1982	1	276				< 1.5		4	USEPA, 1990	
Buffalo River	1981	16	0.1						4	USEPA, 1991	
Eighteen Mile Creek	1981	1	0.04			0.04			4	Stevens, 1988	
Galveston Bay	1980	3	0.005				<0.002	0.007	4	Murray, et al., 1981	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Genesee River-Rochester east	1981	1	0.04			0.04			4	Stevens, 1988	
Genesee River-Rochester west	1981						0.03	0.04	4	Stevens, 1988	
Tributaries River, Mich	N/A				0.095		ND	0.01	4	USEPA, 1991	
US Sediments-LOD ² /1/2	N/A	1538	2.911	21.8	0.963		0.004	590	4	Natl Sed Quality, 1998	
US Sediments-LOD	N/A	103	10.241	29.517	1.956		0.063	230	4	Natl Sed Quality, 1998	
US Sediments	80-96	11	7.5	23	0.5				4	ATSDR Hazdat, 1998	
Wine Creek	1981	1	0.04			0.04			4	Stevens, 1988	
Various sites across country (517 sites; 20 river basins)	1992-95	517	0.025		<0.050		<0.050	<0.050	1	Lopes and Furlong, 2001	Dry wt.
		2191	2.57				<0.002	590			
Northern Europe											
Brattoya	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Breviksfjorden	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Faerder	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Femunden Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Femunden Surface	1996	1	0.082			0.082			1	NIVA, 1996	
Frierflaket	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Fuglevik	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Gracytenna	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Gullaugbukta	1996					NQ			1	NIVA, 1996	
Heddalsvatn Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Holmen	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Ketelmeeer, Netherlands	67-85	18	0.0075						2	Remberger, 1997	Average = 1/2 DL
Langesundbukta	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Lundevatn Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Lundevatn Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Fumesj, Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Fumesj, Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Gjovik Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Gjovik Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Hamar Reference	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Mjosa Hamar Surface	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Ormoya	1996	1	0.01			<0.02			1	NIVA, 1996	Average = 1/2 DL
Stemmetstad (VEAS)	1996	1	0.0035			<0.007			1	NIVA, 1996	Average = 1/2 DL
Swedish Lakes-Motala Strom 0-2 cm	1996	3	0.005						4	Parkman and Remberger, 1996	
Swedish Lakes-Motala Strom 14-16 cm	1996	3	0.007						4	Parkman and Remberger, 1996	
Central Europe/UK											
Italy-Rieti District	1994						<0.16	2	2	Vitali et al., 1997	
Germany	N/A	112	0.25		<0.5		<0.5	<0.5	4	Steffen and Lach, 2000	
Netherlands	1999	36	0.0142		0.007		<0.004	0.066	1	ALcontrol, 1999	Detected in 27 of 36 samples
Netherlands	1999				0.133		<0.065	1.2	1	Vethaak, et al. 2002	Detected in 15 of 16 samples
NL: Veenwoude	2000	1	0.04			<0.07			1	David and Sandra, 2001	Dry wt; 13.87% dry mass
NL: Heerde	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 62.03% dry mass
NL: Vught	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 51.60% dry mass
NL: Noordeinde	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 50.73% dry mass
Netherlands - 10 locations in North Sea	2000 spring	10	0.005		<0.01		<0.01	<0.01	1	Klamer et al., 2005	Dry wt.; surface sediment (top 5 cm); < 63 um fraction
Spain, Gernika, Bay of Biscay - Urdaibai estuary	2003 March						nd	0.24	4	Batolome et al., 2005	Det. in 2 of 4 samples (conc = 0.24 mg/kg in both); det limit approx = 0.012 mg/kg
Spain, coastal fishing port - marine sediment	N/A	1	0.41			0.41			1	Gimeno et al., 2003	
Spain, Cantabria - northern, Atlantic coastal marine sediment	2007 (Jul-Sept)	5	0.025		<0.05		<0.05	<0.05	4	Antizar-Ladislao, 2009	Top 10 cm; sampling biased to locations affected by industry & shipping
		214	0.14				<0.004	2			
ECO AB at Svartan	1994	3	0.005	0.009					3	Parkman and Remberger, 1995	Dry wt.
ECO AB at Svartan	1994	3	0.37	0.64					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Arasviken	1994	3	0.003	0.001					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Arasviken	1994	3	0.03	0.01					3	Parkman and Remberger, 1995	Per organic material
Gullspangsalven-Archip Goteborg	1994	1	0.003	N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Archip Goteborg	1994	1	0.06	N/A					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Bohus	1994								3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Bohus	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Breddreven	1994	2	0.002	0.004					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Breddreven	1994	2	0.01	0.01					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Halvarsnoret	1994	3	0.002	0.003					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Halvarsnoret	1994	3	0.01	0.02					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Holmsjon	1994								3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Holmsjon	1994								3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Lesjon	1994	3	0.013	0.008					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Lesjon	1994	3	0.03	0.01					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Mockeln	1994	3	0.079	0.002					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Mockeln	1994	3	0.77	0.04					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Tornvarpen	1994	3	0.003	0.003					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Tornvarpen	1994	3	0.02	0.02					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Trollhattan	1994								3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Trollhattan	1994								3	Parkman and Remberger, 1995	per organic material
Stockholm	1994	6	0.004	0.008					3	Parkman and Remberger, 1995	Dry wt.
Stockholm	1994	6	0.01	0.01					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Abiskojaure	1994								3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Abiskojaure	1994								3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Brunnsjon	1994	3	0	0					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Brunnsjon	1994	3	0.01	0					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Frackjon	1994	3	0.009	0.016					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Frackjon	1994	3	0.03	0.06					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Harsvatten	1994								3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Harsvatten	1994								3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Jutsjaure	1994	3	0.028	0.009					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Jutsjaure	1994	3	0.11	0.04					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Krageholmsson	1994	3	0.036	0.005					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Krageholmsson	1994	3	0.14	0.03					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Stensjon	1994								3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Stensjon	1994								3	Parkman and Remberger, 1995	per organic material
Tarket in Ronnebyhamn	1994	3	0	0					3	Parkman and Remberger, 1995	Dry wt.

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Tarket in Ronnebyhamn	1994	3	0	0.01					3	Parkman and Remberger, 1995	per organic material
Upstream ECO AB at Ormayd	1994			N/A					3	Parkman and Remberger, 1995	Dry wt.
Upstream ECO AB at Ormayd	1994	3	0	0					3	Parkman and Remberger, 1995	per organic material
Upstream of Tarket	1994	3	0	0					3	Parkman and Remberger, 1995	Dry wt.
Upstream of Tarket	1994	3	0.01	0.01					3	Parkman and Remberger, 1995	per organic material
Canada											
B.C. - marine sediments	N/A				0.018		0.0052	0.0893	4	Mackintosh et al., 2002	Corrected for blanks; det. in 15 of 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	15	0.0208				<0.0077	0.0531	1	Mackintosh et al., 2006	Detected in 15 of 17 samples
B.C. - False Creek	1991	12	0.066		0.100		0.094	0.130	4	Garrett, 2000	Average calculated using 1/2 detection limits (vary by sample)
B.C. - Vancouver Harbour	1991	3	0.079		0.099		0.088	0.110	4	Garrett, 2000	Average calculated using 1/2 detection limits (vary by sample)
B.C. - Fraser River, near wood preservers	1990	2	0.052		0.082		0.074	0.110	4	Garrett, 2000	
B.C. - Victoria Harbour and Esquimalt	1990	10	1.596		0.765		0.130	5.500	4	Garrett, 2000	
Ontario, Hamilton Harbour - near outflow of STP	1997	5	0.09		<0.18		<0.18	<0.18	1	McDowall and Metcalfe, 2001	Dry wt.; 5 locations ranging from 0 to 400 m from STP outflow
		47	0.38				0.0052	5.500			
Japan/Asia											
China, Donghu Lake, Wuhan City, Hubei Province	2000				2.01		ND	3.57	4	Wang, et al. 2002	Detected in 3 of 5 samples
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.33		0.13		0.028	1.05	1	Zeng et al., 2008a	Top 10 cm; det. in 100% samples
China - Yellow River at Xiaolangdi	2004 (June)	3	0.0065	0.00004		0.0065			4	Sha et al., 2007	
China - Yellow River at Mengjin	2004 (June)	3	0.0016	0.000009		0.0016			4	Sha et al., 2007	
China - Yellow River at Mengzhou	2004 (June)	3	0.0066	0.000039		0.0066			4	Sha et al., 2007	
China - Yellow River at Jiaogong	2004 (June)	3	0.00446	0.00066		0.00446			4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	0.00648	0.00017		0.00648			4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)	3	0.0077	0.00042		0.0077			4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	3	0.0020	0.00008		0.0020			4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	0.0112	0.00006		0.0112			4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)	3	0.00125	0.000007		0.00125			4	Sha et al., 2007	
China - Yellow River tributary - Xinmang	2004 (June)	3	0.0005	0.000003		0.0005			4	Sha et al., 2007	
China - Yellow River tributary Mangjin	2004 (June)	3	0.0110	0.000061		0.0110			4	Sha et al., 2007	
China - Yellow River tributary - Wenyang Channel	2004 (June)	3	0.0090	0.000054		0.0090			4	Sha et al., 2007	
China - Yangtze River, Wuhan Section; Left Zhankou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Baishazhou	2005 (July)	1	0.17	0.02		0.17			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Left Wuhanguan	2005 (July)	1	0.82	0.10		0.82			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Right Wuhanguan	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)	1	1.24	0.42		1.24			4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Jinkou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Zhankou	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Yangluo	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Jinshui	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Dongjing River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Houguan Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Tangkun River	2005 (Dec)	1	1.27	0.09		1.27			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Xunsi River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Qinduan River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Changfeng Bridge	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Guocouku	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Jijiazui	2005 (Dec)	1	0.55	0.04		0.55			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; East Lake	2005 (Dec)	1	4.91	1.00		4.91			4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Lijiadun	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Fu River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Zhujia River	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Hou Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Xiaowan	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Wu Lake	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Qingshan Habor	2005 (Dec)						ND		4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Daoshui River	2005 (Dec)	1	6.81	1.04		6.81			4	Wang, F. et al., 2008	Low water period; detection limit not reported
Japan - bottom sediment	1985	27	0.01		<0.02		<0.02	<0.02	4	Japan MOE, 2003	Not detected in any of 27 samples
Japan - 11 major rivers	late 1998	5	0.005		<0.010		<0.010	<0.010	2	MCC, 1999a	Not detected at any of 5 sites
Japan - 11 major rivers	summer 1999	11	0.005		<0.010		<0.010	<0.010	2	MCC, 1999a	Not detected at any of 11 sites
Japan rivers, sea areas, lakes - nationwide	1998	152	0.005		<0.010		<0.010	0.022	4	JEA, 1999	Detected at 1 of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.0058		<0.010		<0.010	0.032	4	Japan MOE, 2001a	Detected at 1 of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.009		<0.010		<0.010	0.022	4	Japan MOE, 2001a	Detected at 1 of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.0065		<0.010		<0.010	0.016	4	Japan MOE, 2001a	Detected at 2 of 11 sites
Korea - nationwide survey of 11 sites	N/A						ND	0.077	4	Choi et al., 2001	Detected in 7 of 11 samples
Taiwan - rivers	2000 (Jan.-Aug.)	6	0.2				0.1	1.1	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		355	0.067				<0.010	6.81			
Other											
Canal Camello	N/A						ND	8.6	3	Albert, et al. 1988	
Presa Tuxpango, Mexico	N/A		2.8	2.9			ND	6.8	3	Albert, et al. 1988	
Rio Blanco	N/A						ND	0.1	3	Albert, et al. 1988	
Greenland	2002						0.0426	0.0489	3	Vorkamp et al., 2004	Not corrected for blanks; unclear if wet wt or dry wt basis

Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	11						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	92						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L
Netherlands	1999				0.037		<0.046	2.692	1	Vielzeuf, et al. 2002	Detected in 32 of 50 samples; median calc. using detected values only
Rhine River -12 Consecutive Days	1986						ND	0.1	1	Ritsemä et al. 1989	Particulate matter, measured as dry weight
Yssel Lake/River	1986						<0.1	0.8	1	Ritsemä et al. 1989	Particulate matter, measured as dry weight
		6	52				<0.046	92			Max. is a referenced average
Canada											

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
B.C. - False Creek Harbour, marine sediments	N/A	11	7.970				3.190	19.900	1	Mackintosh et al., 2006	
		11	7.970				3.190	19.900			
Japan/Asia											
China - Yellow River at Jaogong	2004 (June)	1	0.089	0.00053					4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	1	0.0016	0.000009					4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)					ND			4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Dongming	2004 (June)	1	0.131	0.00078					4	Sha et al., 2007	
China - Yellow River tributary - Yiluo River	2004 (June)	1	0.020	0.00012					4	Sha et al., 2007	
		4	0.06				ND	0.131			
Other											
Concentration as ng/L											
North Sea - German Bight	2004 (Feb-Mar)	8	0.68	1.4	0.11		<0.01	4.1	1	Xie et al., 2005	Total suspended matter
Norwegian Coast - marine; 0.75 um fraction	2004 (summer)	5	0.006		<0.012		<0.012	<0.012	1	Xie et al., 2007	Total suspended matter
Arctic - marine; 0.75 um fraction	2004 (summer)	8	0.006		<0.012		<0.012	<0.012	1	Xie et al., 2007	Total suspended matter
Central - marine; 0.75 um fraction	2004 (summer)	3	0.006		<0.012		<0.012	<0.012	1	Xie et al., 2007	Total suspended matter
		24	0.23				<0.01	4.1			

Soil Location	Date	Concentration as ug/kg dry weight	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments	
USA											
US Soil	86-97	37	75,020	361963	620			4	ATSDR Hazdat, 1998		
		37	75,020				NA	NA			
Europe											
Germany, Stuttgart	N/A				73			4	UMEG, 1999 cited in Langenkamp and Part, 2001	159 samples; 90th percentile = 250 ug/kg	
Netherlands	1998?	34	2.4		<4		<4	7		Detected in 3 of 34 samples	
UK - brickearth, Hamble Series	N/A	1	0.2			0.2		4	Gibson et al., 2005		
UK - gault clay, Evesham Series	N/A	1	0.9			0.9		4	Gibson et al., 2005		
		36	2.3				0.2	73			
Japan/Asia											
China - agricultural soil from 23 locations	N/A	23	450	640	180		<4.43	2610	1	Hu et al., 2003	Surface soil, 0 to 5 cm depth; detected in 78% of samples
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	8		8		1	17	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 100% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	52		53		21	80	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	6		6		1	17	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 100% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	39		6		1	178	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 100% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	12		10		2	30	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 100% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	92	65	82		9	198	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	34	30	19		3	102	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	36	30	25		8	73	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Beijing - 30 locations in urban areas	N/A	30	16	45	5		ND	252	4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 7 ug/kg; dry wt; DL not provided
		130	106				1	2610			

Air Location	Date	Concentration as ng/m ³	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments	
USA											
Outdoor											
Barrow, AK	N/A	1	0.2					4	USEPA, 1987	Wrong Units reported in US Drinking water doc	
Riverside, CA	1990			55				2	Sheldon, et al, 1993	24 Hour Source Strength	
Riverside, CA-Outdoor Air-Day	1990			NO				2	Sheldon, et al, 1993	Below the method quantifiable limit	
Riverside, CA-Outdoor Air-Night	1990			NO				2	Sheldon, et al, 1993	Below the method quantifiable limit	
		1	0.2			0.2	55			Minimum and maximum are average values	
Niagara River (January)	1983	19	3.8	2.8				3	Hoff and Chan, 1987		
Niagara River (September)	1982	5	3.7	0.9				3	Hoff and Chan, 1987		
Indoor											
Riverside, CA-Indoor Air-Day	1990			340				2	Sheldon, et al, 1993		
Riverside, CA-Indoor Air-Night	1990			340				2	Sheldon, et al, 1993		
Residential/office/personal exposure	2000	6	793			236	1290	1	Rudel et al, 2001		
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	800	590		130	4300	2	Rudel et al., 2003	Detected in 100% of samples; detection limit=75 ng/m3	
New York City, indoor air - residences; 2 week samples	2001-2006	32	1660					2	Adibi et al., 2008	"Average" is geo mean	
New York City, personal air samples (48 h)	2001-2006	96	2150	2330		840	5060	2	Adibi et al., 2008	Det. in 100% samples; low and high are 5th and 95th perc.; ave. is geo mean	
New York City - personal air samples (48 h)	2000 (Mar-July)	30	3000	1300	2700	1500	7100	1	Adibi et al., 2003		
		284	1585			130	7100				
Europe											
Outdoor - vapour phase and total air											
Italy - near DBP processing plant	1999	2	5		<10			1	RIC, 1999	Average = 1/2 DL	
Italy - near DBP/DEHP processing plant	1999	2	35			30	40	1	RIC, 1998	100 m from production and exhaust	
Kortrijk-1 km upwind of incinerator	1998	1	0.5		<1			1	RIC, 1998	Average = 1/2 DL	
Kortrijk-100m from Greenhouse	1998	1	4		4			1	RIC, 1998		
Kortrijk-10m from Greenhouse	1998	1	28		28			1	RIC, 1998		
Kortrijk-1m from Greenhouse	1998	1	18		18			1	RIC, 1998		
Kortrijk-300m downwind of incin	1998	1	0.5		<1			1	RIC, 1998	Average = 1/2 DL	
Kortrijk-City Traffic	1998	1	81		81			1	RIC, 1998		
Kortrijk-Highway Traffic	1998	1	1		<2			1	RIC, 1998	Average = 1/2 DL	
Kortrijk-Outside Laboratory	1998	5	1					1	RIC, 1998		
Belgium - Rural area	1998?	3	1.65			<-3.3	<-3.3	1	Tienpont, et al 2000		
France, Paris - total atmospheric conc.	May 2002-Apr 03	20	9.0	6.2				4	Tell et al. 2006		
France, Paris - vapour phase	May 2002-Apr 03	20	9.1	8.7		1.7	24.6	4	Tell et al. 2006		
Germany, Northeast Bavaria - forested area - vapour phase	1998-99					0.2	0.8	4	Streck and Herrmann, 2000	5 samples	
Germany, Geesthacht - GKSS Research Centre	N/A	6	2.42			0.34	8.6	1	Xie et al., 2006	Vapour; 5 m above ground	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	61			48.8	73.6	1	David and Sandra, 2001	Total air (vapour + aerosol); winter	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	173			170	177	1	David and Sandra, 2001	Summer	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	9			8	10	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	5			2.9	7.3	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	181			121	242	1	David and Sandra, 2001	Summer	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	5			4	6	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	10			10	11	1	David and Sandra, 2001	Summer	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	30				25.8	34	1	David and Sandra, 2001	Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	51				35	67	1	David and Sandra, 2001	Summer
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	7				4	10	1	David and Sandra, 2001	Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	11				11	12	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	3				2.6	3.1	1	David and Sandra, 2001	Winter
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	3				3	4	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	9				9	10	1	David and Sandra, 2001	Winter
North Sea - German Bight	2004 (Feb-Mar)	10	1.6	1.56	0.75		0.64	3.4	1	Xie et al., 2005	Vapour
U.K., Birmingham - 10 m from busy road	1999-2000	24	2.92	2.32					4	Harad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
U.K., Birmingham - University "green space"	1999-2000	24	5.75	14.55					4	Harad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
		151	12.8				0.2	242			
Europe											
Outdoor - particulates											
France, Paris - particulate phase	May 2002-Apr 03	20	0.4		0.4		0.1	0.9	4	Teil et al. 2006	
Germany, Northeast Bavaria - forested area- aerosol particulates	1998-99					0.2			4	Streck and Herrmann, 2000	1 sample
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.091				0.007	0.23	1	Xie et al., 2006	Particles; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	10	0.06	0.10	0.01		<0.002	0.18	1	Xie et al., 2005	Particles
		36	0.25				<0.002	0.9			
Austria, Mount Sonnblick Observatory (3 km elev.)	1996 (fall)	8	1.4		0.5				3	Grollert and Puxbaum, 2000	
Austria, Mount Sonnblick Observatory (3 km elev.)	1997 (spring)	4	2.5		0.5				3	Grollert and Puxbaum, 2000	
Antwerp, Belgium	1977	1	4.4				2.1	5.9	3	Cautreels et al, 1979	possible contamination
La Paz, Bolivia	1977	1	0.7				0.5	0.8	3	Cautreels et al, 1979	possible contamination
Italy - stack emission DBP processing plant	1999	1	500			500			1	RIC, 1999	
Italy - stack emission DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Italy - unfiltered emission DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Kortrijk-Incin Exhaust, filtered	1998	1	20			20			1	RIC, 1998	
Kortrijk-Incin Exhaust, unfiltered	1998	1	59			59			1	RIC, 1998	
Kortrijk-PVC proc exhaust	1998	1	0.5			<1			1	RIC, 1998	
Kortrijk-PVC proc prod unit	1998								1	RIC, 1998	Average = 1/2 DL
Indoor											
Kortrijk-Inside Laboratory	1998	5	191						1	RIC, 1998	
Kortrijk-InsideGreenhouse	1998	1	25			25			1	RIC, 1998	
Kortrijk-Underground Parking	1998	5	120				57	224	1	RIC, 1998	
Kortrijk-Underground Parking	1999	1	119			119			1	RIC, 1998	summer; parking not full
Kortrijk-Underground Parking	1999	1	224			224			1	RIC, 1998	summer; full capacity
Kortrijk-House w/15 year old PVC Floor	1998	1	339			339			1	RIC, 1998	
Kortrijk-House w/5 year old PVC Floor	1998	1	123			123			1	RIC, 1998	
Kortrijk - Sports Hall	1998	5	2472				399	3234	1	RIC, 1998	
Kortrijk - Kindergarten	2000	2	311				301	320	1	RIC, 2000	
Kortrijk-Flooring shop	1998	1	158			158			1	RIC, 1998	
Inside Car 1	1998	1	307			307			1	RIC, 1998	
Inside Car 2-New	1998	1	130			130			1	RIC, 1998	
Inside Car 2-Old	1998	1	171			171			1	RIC, 1998	
Germany, Berlin - 59 apartments	2000-01	59	807		643		N/A	5481	4	Fromme et al., 2004	95th percentile = 1860 ng/m3
Germany, Berlin - 74 kindergartens	2000-01	74	396		353		N/A	1263	4	Fromme et al., 2004	95th percentile = 767 ng/m3
Poland, Krakow - personal air samples (48 h)	2000-01	30	1000	670	840		260	2900	1	Adibi et al., 2003	
		189	651				25	5481			
Italy - Inside DBP processing plant	1999	1				<10			1	RIC, 1999	
Italy - Inside DBP/DEHP processing plant	1999	1	100			100			1	RIC, 1999	
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct.-Dec.)	59	2.7		<1.7		<1.7	18	4	Japan MOE, 1999a	Detected in 28 of 59 samples
Japan - Residential areas	1998 (Oct.-Dec.)	60	2.4		1.7		<1.7	8.7	4	Japan MOE, 1999a	Detected in 32 of 60 samples
Japan - Suburbs	1998 (Oct.-Dec.)	59	1.8		<1.7		<1.7	8.2	4	Japan MOE, 1999a	Detected in 22 of 59 samples
Japan - Industrial areas	2000 spring	6	3.0		2.5		2.4	4.7	4	Japan MOE, 2000a	Detected in all 6 samples
Japan - Residential areas	2000 spring	6	2.5		2.0		1.0	6.5	4	Japan MOE, 2000a	Detected in all 6 samples
Japan - Suburbs	2000 spring	6	2.5		2.4		1.4	4.0	4	Japan MOE, 2000a	Detected in all 6 samples
Japan, Osaka - measured outside car, 1.2 m above ground	2000-02	30	8				2	250	4	Yoshida and Matsunaga, 2006	Values read from graph
		226	3.1				1.0	250			
Korea - nationwide survey of 24 sites	N/A						ND	11,044	4	Choi et al., 2001	Detected in 21 of 24 samples; units presented as ngNm3
Japan - Ibaraki Prefecture	1991	1	200			200			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50				<100	<100	3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	325				<100	600	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50				<100	<100	3	Watanabe, 2001	August; 30 m to 100 m above ground surface
Indoor											
Japan - inside car; 1 d to 3 y after delivery	1999-2002	44	250				1	400	4	Yoshida and Matsunaga, 2006	Values read from graph
Tokyo - six houses	2000	6	120		120		50	190	1	Otake et al, 2001	Sampling in April and May
Tokyo - 27 houses and apartments - spring and autumn	2000	27	140	140	100		10	610	4	Otake et al, 2004	Includes data presented in Otake et al., 2001
		77	201				1	610			
Coal Power Station emission	N/A						0.64	6	4	Haile, et al.	ug per dry standard cubic meter
Other											
Arctic, Alert - particle phase	1991 (Feb to June)	16	1.316	1.553	0.770		0.051	5.010	1	Fu et al., 2009	Weekly samples
Arctic - gas phase	2004 (summer)	6	0.406		0.320		0.177	0.895	1	Xie et al., 2007	
Arctic - particle phase	2004 (summer)	6	0.020		0.018		0.005	0.041	1	Xie et al., 2007	

Dust Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
Indoor - One office sample, five residential samples	2000	6	2150	829			1010	3580	1	Rudel et al, 2001	Sieved to < 150 um
Cape Cod, MA - 120 residences	1999-2001	119	8500		4.98E+03		<4000	1.11E+05	2	Rudel et al, 2003	Detected in 89% of samples; detection limit = 4000 ug/kg
		125	8195				1010	1.11E+05			

Europe**Outdoor**

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
France, Paris - particulates	May 2002-Apr 03	20	2.06E+04		17200		2600	38200	4	Teil et al. 2006	
		20	2.06E+04				2600	3.82E+04			
Indoor											
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	3000			3000			1	RIC, 1998	
Belgium, Kortrijk-Dust in Sports Arena indoor	1998	1	3000			3000			1	RIC, 1998	
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	4000			4000			1	RIC, 1998	
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	7000			7000			1	RIC, 1998	
Belgium, Kortrijk - Kindergarten floor	2000	1	500			<1000			1	RIC, 2000	
Belgium, Kortrijk - Underground parking	1998	1	500			<1000			1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk - Underground parking	1999	1	900			900			1	RIC, 1998	
Belgium - House Dust	N/A	12	5.10E+04		4500		1000	5.67E+05	4	David et al., 2001	
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	1.00E+04		3800		200	3.69E+04	4	Greenpeace Belgium, 2004	23 individual and pooled samples
Bulgaria, Sofia & Burgas- children's rooms (dust above floor level)	2004-2005	177	3.5E+05		3.4E+05		<2.6E+05	9.07E+06	4	Kolarik et al., 2008a and b	Det. in 98.3% samples; 95th%CI of geo mean = 2.9E+05 to 4.2E+05
Denmark - house dust	2002	3	967		700		700	1500	4	Santillo, et al. 2003	Detected in all 3 samples
Finland - house dust	2002	3	7.44E+04		8.47E+04		2000	1.37E+05	4	Santillo, et al. 2003	Detected in all 3 samples
France - house dust	2002	1	4.36E+04			4.36E+04			4	Santillo, et al. 2003	
Germany, Berlin - house dust, 30 apartments	2000-01	30	4.46E+04		6100		N/A	6.32E+05	4	Fromme et al., 2004	95th percentile = 159,600
Norway - House Dust- Oslo-Sedimented Dust	1992-93	38	1.00E+04				ND	1.10E+05	2	Oie et al., 1997	38 dwellings
Norway - House Dust- Oslo-Suspended Particulate Matter	1992-93	6	8.00E+04	9.00E+04			ND	2.40E+05	2	Oie et al., 1997	6 dwellings
Netherlands - House dust	2001	115	2.89E+04	1.55E+05	3350		<1000	1.59E+06	4	Greenpeace, 2001	Detected in 114 of 115 samples; 90th %ile=28,000
Netherlands - School dust	2001	12	1.19E+04	2.82E+04	3700		700	1.01E+05	4	Greenpeace, 2001	90th percentile = 9000
Netherlands - Office dust	2001	7	1.87E+04	1.32E+04	1.50E+04		2200	3.80E+04	4	Greenpeace, 2001	90th percentile = 34,000
Netherlands - Hospital, university, hotel dust	2001	3	6700	2700	6200		4300	9600	4	Greenpeace, 2001	90th percentile = 9000
Spain - house dust	2002	1	9500			9500			4	Santillo, et al. 2003	
Sweden - house dust	2002	2	1.14E+04		1.14E+04		2500	2.03E+04	4	Santillo, et al. 2003	
Sweden - house dust, children's bedrooms	Oct 2001-Apr 2002	346	3.10E+04		ND				1	Bornehag et al., 2004	Detected in 47 samples; geo. mean = 73,000
U.K. - house dust	2002 (Oct-Nov)	29	1.22E+04		3.50E+03		600	1.15E+05	4	Santillo, et al. 2003	Detected in all 29 samples
		816	9.81E+04				200	9.07E+06			

Deposition											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
France, Paris - bulk deposition	May 2002-Apr 03	1	162.7				NA	NA	4	Teil et al. 2006	Wet dep = 131.9 ug/m2/y; calc. dry dep. = 30.8 ug/m2/y
		1	162.7								

Precipitation											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
France, Paris - rainwater	May 2002-Apr 03	72	0.333						4	Teil et al. 2006	
Germany, Northeast Bavaria - forested area - rain	1998-99				0.34		0.0053	0.0567	4	Streck and Herrmann, 2000	6 samples
Netherlands - rainwater	1999				0.43		0.24	0.43	1	Vethaak, et al. 2002	Detected in 3 of 3 samples
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.434	0.83	0.192		<0.010	4.05	1	Peters, 2003	Detected in 94% of samples; MDL 0.010 ug/L
		122	0.374				0.0053	4.05			
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1996 (fall)	19			ND				3	Grollert and Pubbaum, 2000	
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1997 (spring)	11	0.117		0.0005				3	Grollert and Pubbaum, 2000	
Japan/Asia											
China, Jinan (Shandong Province) - rainwater	2007 (Aug)	1	4.69		4.69		N/A	4.69	4	Zhao et al., 2008	
		1	4.69								

Wastewater											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
California, south - reclaimed wastewater	2001-02	6	0.352		<0.97		<0.97	2.1	1	Loraine and Pettigrove, 2006	Det. in 1 of 6 samples
California, south - wastewater influent	2001-02						5.3	23.7	1	Loraine and Pettigrove, 2006	
Fly Ash Leachate-US	N/A	13	6			6			4	EPA/600/D-89/232	
Ft. Devens, MA-wastewater infll	78-81	1	9.41			9.41			4	Bedient, et al. 1983	
Missouri & Kansas, Blue River Basin, Kansas City - sewage	1998-2000	30	3.61	2.92	3.45		<0.25	13.1	2	Wilkinson et al., 2002	Detected in 24 of 30 samples
Missouri & Kansas, Blue River Basin, Kansas City - stormflow	1998-2000	97	0.30	0.23	0.35		0.15	1.38	2	Wilkinson et al., 2002	Detected in 53 of 97 samples
New Orleans WTP	N/A						0.01	0.03	4	USEPA, 1987	
South Dakota, Watertown, Brookings, & Volga - effluent	2003-2004	7	0.25				<0.5		1	Sando et al., 2005	
US POTW Influent	N/A						433	1220	4	EPA/440.01.91.009A	
		154	1.48				0.01	1220			
New Jersey POTW effluent-A	N/A	3	14			14			3	Clark et al, 1991	Estimate
CA, Oakland - residential wastewater	2006	2	6.6				4.0	9.1	3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from nail salon	2006	1	0.5			<1			3	Jackson and Sutton, 2008	
CA, Oakland - industrial laundry wastewater	2006	2	6				<1	<24	3	Jackson and Sutton, 2008	
CA, Oakland - residential coin laundry wastewater	2006	1	16			16			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from diaper service	2006	1	0.5			<1			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from pet wash	2006	1	1.3			1.3			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from veterinary clinic	2006	1	26			<51			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from hospital and medical clinic	2006	2	0.5				<0.98	<1	3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from pharmaceutical manufacturer	2006	1	0.5			<1			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from plastic bag manufacturer	2006	1	0.5			<1			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from paper products manufacturer	2006	1	0.5			<1			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from beverage manufacturer	2006	1	10			<20			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from adhesives manufacturer	2006	1	50			<100			3	Jackson and Sutton, 2008	
CA, Oakland - pre-treated influent at WWTP	2006	2	5				<10	<10	3	Jackson and Sutton, 2008	
CA, Oakland - treated effluent at WWTP	2006	3	0.5				<1	<1	3	Jackson and Sutton, 2008	
Europe											
Belgium - Roeselare; WWTP influent	2001	16	9.29		9.23		4.2	14.41	4	ECPI, 2001	
Belgium - Roeselare; WWTP effluent	2001	16	0.61		<1.00		<1.00	2.25	4	ECPI, 2001	
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	161.5		159.43		55.6	269.39	4	ECPI, 2002	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.09		0.09		0.09	0.1	4	ECPi, 2002	
Denmark - Avedøre WWTP; influent	2002 (10-11)	3	10	0.6	10		10	11	4	Jacobsen et al., 2004	Grab samples
Denmark - Avedøre WWTP; effluent	2002 (10-11)	3	0.16		<0.20		<0.20	<0.20	4	Jacobsen et al., 2004	Grab samples
Denmark - Water extract of sludge	N/A	12	0.49		0.25		0.2	1.4	4	Rydberg, 1998	
Finland, 4 STPs - influent	1998-2001						<1	74	2	Martinen et al., 2003a	
Finland, 4 STPs - effluent	1998-2001						<1	4	2	Martinen et al., 2003a	
France, Marne Aval - WWTP influent after pre-treatment (grit removal)	2006 (May)	7	7.71	5.21			1.6	25	1	Dargnat et al., 2009	
France, Marne Aval - WWTP final effluent	2006 (May)	7	0.78	0.22					1	Dargnat et al., 2009	Removal: 90%
France, Marne Aval - WWTP final effluent, rainy conditions	2007 (March)	1	1.382			1.382			1	Dargnat et al., 2009	
France, Paris - influent, dry weather	N/A				3.29		0.82	5.95	4	Gasperi et al., 2008	n=10; detected in 100% samples
France, Paris - wet weather, combined sewer overflow	N/A				<0.10		<0.10	2.90	4	Gasperi et al., 2008	n=13; detected in 38% samples
France, southeast of Paris, raw wastewater	N/A	1	12.5		12.5				4	Bruchet et al., 2002	
France, southeast of Paris, raw & recycled wastewater	N/A	1	26.9		26.9				4	Bruchet et al., 2002	
France, southeast of Paris, treated wastewater	N/A	1	0.05		<0.1				4	Bruchet et al., 2002	
Germany - municipal <1000 inhabitants	1999	1	0.07		0.07				4	Alberti, et al. 2000	
Germany - municipal <10,000 inhabitants	1999	1	0.05		0.05				4	Alberti, et al. 2000	
Germany - municipal >100,000 inhabitants	1999	1	0.03		0.03				4	Alberti, et al. 2000	
Germany - pulp & paper industry	1999	1	0.06		0.06				4	Alberti, et al. 2000	
Germany - leather industry	1999	1	9.1		9.1				4	Alberti, et al. 2000	
Germany - landfill	1999	1	0.1		0.1				4	Alberti, et al. 2000	
Germany - chemical fibres	1999	1	0.03		0.03				4	Alberti, et al. 2000	
Germany - chemical industry	1999	1	0.21		0.21				4	Alberti, et al. 2000	
Germany - coating materials	1999	1	0.03		0.03				4	Alberti, et al. 2000	
Italy-Filtered POTW influent	Jul-95	5	4	1					4	Luppi, et al, 1997	
Netherlands - untreated municipal wastewater	1999				13.0		<4.1	44	1	Vethaak, et al. 2002	Detected in 12 of 12 samples
Netherlands - municipal effluent	1999				0.8		<0.3	0.9	1	Vethaak, et al. 2002	Detected in 6 of 9 samples
Netherlands - untreated industrial wastewater	1999				4.8		<0.4	5.2	1	Vethaak, et al. 2002	Detected in 3 of 6 samples
Netherlands - industrial effluent	1999				1.4		<0.2	2.6	1	Vethaak, et al. 2002	Detected in 2 of 4 samples
Netherlands-WW influent	N/A				8.8		1	76.9	4	van der Velde, et al.	
Netherlands-WW effluent	N/A				1.2		0.4	1.8	4	van der Velde, et al.	
Norway, Bekkelaget Plant Slurry	1996	1	0.094		0.094				1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Inflow	1996	1	12.9		12.9				1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Outflow	1996	1	1.55		1.55				1	NIVA, 1996	
Norway, Fuglevik Plant Slurry	1996	1	0.043		0.043				1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Inflow	1996	1	4.4		4.4				1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Outflow	1996	1	3.5		3.5				1	NIVA, 1996	
Norway, Veas Plant Slurry	1996	1	0.01		<0.02				1	NIVA, 1996	Average = 1/2 DL
Norway, VEAS Sewage Plant Inflow	1996	1	1.242		1.242				1	NIVA, 1996	
Norway, VEAS Sewage Plant Outflow	1996	1	0.03		<0.06				1	NIVA, 1996	Average = 1/2 DL
Norway, WWTP influent - biological treatment with chemical pptn	2002	2	3.85				2.8	4.9	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, WWTP influent - chemical treatment only	2002	2	3.35				2.1	4.6	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, WWTP influent - chemical treatment only	2002	2	1.7				1.3	2.1	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, WWTP influent - chemical treatment only	2002	2	2.1				1.6	2.6	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, WWTP influent - mechanical treatment only	2002	2	1.9				1.3	2.5	4	Vogelsang, et al. 2006	7-10 d composite samples
Norway, WWTP effluent - biological treatment with chemical pptn	2002	2	0.25				<-0.5	<-0.5	4	Vogelsang, et al. 2006	7-10 d composite samples; removal efficiency = >80% to >90%
Norway, WWTP effluent - chemical treatment only	2002	2	3.9				7.9	9.9	4	Vogelsang, et al. 2006	7-10 d composite samples; removal efficiency = 100% to >300%
Norway, WWTP effluent - chemical treatment only	2002	2	2.35				2.3	2.4	4	Vogelsang, et al. 2006	7-10 d composite samples; removal efficiency = ~10% to ~100%
Norway, WWTP effluent - chemical treatment only	2002	2	2.4				2	2.8	4	Vogelsang, et al. 2006	7-10 d composite samples; removal efficiency = ~20% to ~10%
Norway, WWTP effluent - mechanical treatment only	2002	2	1.9				1.4	2.4	4	Vogelsang, et al. 2006	7-10 d composite samples; removal efficiency = 0 to ~10%
Spain, Barcelona - untreated urban wastewater	N/A	1	6.8		6.8				1	Alzaga et al., 2003	
Spain, Barcelona - treated urban wastewater	N/A	1	8.1		8.1				1	Alzaga et al., 2003	
Spain, Catalonia - Ter River basin; influent from STP	2001 (March)	5	5.8	6.9	3.67		<0.01	16.2	4	Cespedes et al., 2006	Detected at 3 of 5 locations
Spain, Catalonia - Ter River basin; effluent from STP	2001 (March)	5	3.2	5.8	<0.01		<0.01	13.3	4	Cespedes et al., 2006	Detected at 2 of 5 locations
Spain, Catalonia - Lobregat R. basin; influent from STP	2001 (autumn)	4	4.7	5.6	2.4		1.06	12.97	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Catalonia - Lobregat R. basin; effluent from STP	2001 (autumn)	4	3.5	4.5	1.6		0.56	10.21	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Galicia - influent from STP	N/A	1	2.917			2.917			1	Polo et al., 2005	
Spain, Galicia - effluent from STP	N/A	1	0.116			0.116			1	Polo et al., 2005	
Spain - wastewater from urban collector	N/A	1	0.460			0.460			1	Polo et al., 2005	
Spain, Granada - urban wastewater influent	N/A	6	0.010		<0.025		<0.010	<0.025	4	Ballesteros et al., 2006	Not detected in any of 6 samples
Spain, Granada - urban wastewater influent	N/A	6	0.58	0.42	0.70		<0.012	0.98	4	Zafra-Gonzalez et al., 2008	Detected in 5 of 6 samples
Sweden-Goteborg - carwash effluent	1999-02							60	4	Paxeus, 1998a	
Swedish POTW effluent	89-91							20	4	Paxeus, et al. 1992	
Swedish POTW Influent	89-91						2	20	4	Paxeus, et al. 1992	
Swedish POTW Influent	89	4	4.4						4	Paxeus, et al. 1992	
Swedish POTW Influent	90	4	9.1						4	Paxeus, et al. 1992	
Swedish POTW Influent	91	8	16						4	Paxeus, et al. 1992	
Sweden - municipal wastewater influent	1996						6	21	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - municipal wastewater effluent	1996						0.1	2.0	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - industrial wastewater	1990						0.1	7	4	Paxeus and Avergard, 1992	8 large industries
Sweden - domestic wastewater	1988						<0.1	10	4	Mattson et al., 1991	2 residential areas
Scotland - SEPA West Region - STW Effluent	1996	19	4.0	6	<1.8		<0.9	18	4	Pirie et al., 1996	Detected in 5 of 19 samples
Scotland - SEPA East Region - STW Effluent	1996	24	8.7	11	4.4		<0.9	48.3	4	Pirie et al., 1996	Detected in 14 of 24 samples
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	25.0		16.7				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW primary tank effl.	2001-2002	23	24.8		13.8				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW trickle filter effl.	2001-2002	23	0.69		0.98				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW humus tank effl.	2001-2002	23	0.19		0.35				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW reedbed effluent	2001-2002	23	0.47	1.11					4	Oliver et al., 2005	
		326	8.1				<0.01	269.39			
Italy, northern - WWTP effluent	2007 (Jan-May)	6	0.494	0.777	0.210		0.0415	2.0597	3	Bicchi et al., 2009	
Sweden-WWTP effluent	1993-94						ND	8	3	Paxeus, 1996b	Meas. at 3 plants: ND, 3, and 8 ug/L. Detection limit not provided
Portugal & Spain - ind. effluent - textile, petrochem., tannery	1996-97	4	0.06				0.03	0.08	3	Castillo et al., 1999	
Canada											
Alberta Industrial Surface Water	84-99	608	3.04	3.21	3.5		0.05	55	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.049	0.073	0.019		0.0016	0.213	1	Alberta Environment, 2005	
		616	3.0				0.0016	55			
Japan/Asia											
China, Beijing - municipal STP; secondary effluent	N/A	1	2.8			2.8			4	Li et al., 2005	
China, Beijing - municipal STP; secondary effl. after treatment	N/A					nd			4	Li et al., 2005	Treatment by ozone and biological activated carbon
China, Beijing - municipal STP; secondary effl. after treatment	N/A					nd			4	Li et al., 2005	Treatment by activated carbon, ozone and biological activated carbon
China, Beijing - Gaobeidian WWTP effluent	N/A	1	1.25			<2.5			1	Wang, L. et al., 2007	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
China, Beijing - Gaobeidian WWTP effluent	2006	1	0.09			<0.17			4	Li et al., 2008	
China, Harbin municipal STP, raw sewage	2007 (May)	1	1.977			1.977			4	Kong et al., 2008	
China, Harbin municipal STP, primary sedimentation effluent	2007 (May)	1	1.432			1.432			4	Kong et al., 2008	
China, Harbin municipal STP, anaerobic tank effluent	2007 (May)	1	0.326			0.326			4	Kong et al., 2008	
China, Harbin municipal STP, aerobic tank effluent	2007 (May)	1	0.032			0.032			4	Kong et al., 2008	
China, Harbin municipal STP, secondary sedimentation effluent	2007 (May)	1	0.029			0.029			4	Kong et al., 2008	
China, Harbin municipal STP, coagulation tank effluent	2007 (May)	1	0.023			0.023			4	Kong et al., 2008	
China, Harbin municipal STP, air floatation tank effluent	2007 (May)	1	0.023			0.023			4	Kong et al., 2008	
China, Harbin municipal STP, filtration tank effluent	2007 (May)	1	0.022			0.022			4	Kong et al., 2008	
Japan - POTW Influent	N/A						<0.2	3.7	4	Mitsubishi Chemical, 1998	
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	fall 1998				4.9		2.1	7.3	2	Nasu et al., 2001	Detected at all 8 sites
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	winter 1999				6.4		1.2	8.9	2	Nasu et al., 2001	Detected at all 18 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	summer 1998				<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 2 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	fall 1998				<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 8 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	winter 1999				<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 18 sites
		11	0.73				0.022	8.9			
Other											
Australia, South East Queensland - WWTP influent	2004 (Nov)	1	0.102			0.102			4	Tan et al., 2008	
Australia, South East Queensland - WWTP influent	2005 (March)	1	0.0593			0.0593			4	Tan et al., 2008	
Australia, Melbourne Sewage	1994	8	20	10			5	49	4	Wilkie, et al, 1996	
Australia, Melbourne treatment inf	1994	8	21						4	Wilkie, et al, 1996	
Nigeria, Obafemi Awolowo University, sewage lagoon	2002-2003	30	13,400		8,425		<0.92	76,830	3	Ogunfowokan et al., 2006	Monthly samples for 8 months
Sludge											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
USA											
US Sludge	N/A	1	290			290			4	ATSDR Hazdat, 1998	
		1	290								
Europe											
Belgium - Roeselare; WWTP	2001	6	50		<100		<100	<100	4	ECPI, 2001	dry wt.
Denmark - Sewage sludge	N/A	11	238.18		20		20	970	4	Rykfors, 1996	dry wt.
Finland, 4 STPs - prim., sec., digested sludge	1998-2001						<1000	2000	2	Marttinen et al., 2003a	dry wt.
France, Toulouse - Ginestous treatment plant	N/A	1	8,480				6,160	9,970	4	Sabbayrolles et al., 2005	dry wt.
France, Marne Aval - WWTP, centrifuged sludge	2006 (May)	10	360	240					1	Dargnat et al., 2009	dry wt.
Germany - Northeast Bavaria-Primary Sludge	1989						ND	ND	1	Zurmühl, 1990	Not detected in 9 samples; det. limit not specified
Germany, Dresden - STP	N/A	1	1,900		1,900				4	Petrovic and Barcelo, 2000	
Norway, Fuglevik Plant Sludge	1996	1	0.01		<0.02				1	NIVA, 1996	Average = 1/2 DL
Norway, Bekkelaget Plant Sludge	1996	1	0.06		0.06				1	NIVA, 1996	Average = 1/2 DL
Norway - Vass Plant Sludge	1996	1	0.01		<0.02				1	NIVA, 1996	in KEMI
Norway - Sewage Sludge	N/A	3	1200						4	Blom, 1993	
Portugal, near Porto - STP	N/A	1	7.5				<15		4	Petrovic and Barcelo, 2000	
Spain - Catalonia; Igualada, Montornes, Abrera STPs	N/A	3	203	196	200		<15	400	4	Petrovic and Barcelo, 2000	
Sweden - Sewage Sludge	N/A	1	2900			2900			4	Blom, 1993	in KEMI
Switzerland - domestic	1999?	4	67	62			<55.6	145	2	Berset and Etter-Holzer, 2001	Detected in 2 of 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?	6	62	58			<55.6	141	2	Berset and Etter-Holzer, 2001	Detected in 3 of 6 samples
Switzerland - domestic, storm water, lgr amt. ind.	1999?	2	46	60			<55.6	64	2	Berset and Etter-Holzer, 2001	Detected in 3 of 2 samples
UK - Ashford, mesophilic anaerobically dig. dewatered from WWTP	N/A	1	18		18				1	Gibson et al., 2005	
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	1,630	2,290			<0.02	9970	4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
		85	905								
Belgium - Negenmanneke; WWTP, domestic	2002	3	0.48		0.61		0.22	0.61	4	ECPI, 2002	Units are ug/L
Canada											
Hamilton and Winnipeg Sludge	80-85	5	1902				<20	5000	4	Webber and Lesage, 1989	
Canadian Sludge	93-94	72	228				60	650	4	Webber and Nichols, 1995	
Vancouver area; 5 wastewater treatment plants	1999 (Mar-Aug)	20	150	140			<20	590	4	Bright and Healey, 2003	Det. in 15 of 20 samples; 95th perc = 410
		97	298				<20	5000			
Japan/Asia											
China, Beijing - Gaobeidian WWTP	1998-99	1	270			270			4	Cai et al., 2007a	Activated sludge treatment; 50% domestic, 50% industrial sewage
China, Lanzhou - Qilhe WWTP	1998-99	1	4,150			4,150			4	Cai et al., 2007a	Anaerobic-aerobic oxidization treatment
China, Xi'an - Baishijiao WWTP	1998-99	1	77			77			4	Cai et al., 2007a	Anaerobic-aerobic oxidization treatment
China, Wuxi - Lucun WWTP	1998-99	1	800			800			4	Cai et al., 2007a	Activated sludge treatment
China, Guangzhou - Datansha WWTP	1998-99	1	11,000			11,000			4	Cai et al., 2007a	Anaerobic-aerobic oxidization treatment; 60% domestic, 40% ind. sewage
China, Foshan - Zhen'an WWTP	1998-99	1	4,900			4,900			4	Cai et al., 2007a	Anaerobic-aerobic oxidization treatment; 90% domestic, 10% ind. sewage
China, Zhuhai - Xiangzhou WWTP	1998-99	1	51			51			4	Cai et al., 2007a	Oxidizing ditch treatment; 65% domestic, 35% industrial sewage
China, Shenzhen - Binhe WWTP	1998-99	1	10			10			4	Cai et al., 2007a	Oxidizing ditch treatment; 60% domestic, 40% industrial sewage
China, Dapu - Dapu WWTP	1998-99	1	1,200			1,200			4	Cai et al., 2007a	Activated sludge treatment
China, Shatan - Shatan WWTP	1998-99	1	5,700			5,700			4	Cai et al., 2007a	Activated sludge treatment
China, Yuanliang - Yuanliang WWTP	1998-99	1	860			860			4	Cai et al., 2007a	Activated sludge treatment
		11	2,638				10	11,000			
China - composted municipal sludge	N/A	1	480			480			4	Cai et al., 2007b	Manual-turned composting
China - composted municipal sludge	N/A	1	220			220			4	Cai et al., 2007b	Inoculate-manual-turned composting
China - composted municipal sludge	N/A	1	150			150			4	Cai et al., 2007b	Continuously aerated composting
China - composted municipal sludge	N/A	1	180			180			4	Cai et al., 2007b	Intermittently aerated composting
Other											
Australia, South East Queensland - WWTP raw influent	2005 (March)	1	389			389			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anaerobic sludge	2004 (Nov)	1	6.50			6.50			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anaerobic sludge	2005 (March)	1	18.2			18.2			4	Tan et al., 2008	
Australia, South East Queensland - WWTP aerobic sludge	2004 (Nov)	1	9.40			9.40			4	Tan et al., 2008	
Australia, South East Queensland - WWTP aerobic sludge	2005 (March)	1	9.20			9.20			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anoxic sludge	2004 (Nov)	1	13.0			13.0			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anoxic sludge	2005 (March)	1	3.50			3.50			4	Tan et al., 2008	
Sewage Sludge-Eur, US, Canada	N/A						2900	5.00E+06	4	Linusson, 1992; Kpiphoh and Vang Anderson, 1995	in KEMI
US Tissue Conc-LOD/2*1/2	N/A	1040	483	3785	212		1,243	116673	4	Nat'L Sed Qual DB, 1998	
US Tissue Conc-LOD	N/A	7	2525	3826	1100		67	10600	4	Nat'L Sed Qual DB, 1998	

Municipal Solid Waste

Concentration as ug/g

Single

Range

Data

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
India, Chennai - fresh MSW	N/A	2	587				<0.001	1174.7	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure
India, Chennai - MSW, partially degraded	N/A	2	754.6				403.82	1105.38	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure
		4	671				<0.001	1175			

Drinking Water											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
California, south - 4 water filtration plants	2001-02	15	0.16			<0.49	<0.49	2.47	1	Loraine and Pettigrove, 2006	Det. in 1 of 15 samples
Seattle DW	N/A	1	0.01			0.01			4	USEPA, 1987	
Storet Data-DW	78-87	65	6.77				0.01	10	4	USEPA, 1987	
Cincinnati DW	N/A	1	0.1			0.1			4	USEPA, 1987	
		82	5.40				0.01	10			
Storet Data-Ambient water	N/A	862				<10			4	USEPA, 1987	3% of measurements >DL
Europe											
Croatia - bottled mineral water, PET bottle	N/A	9	0.11				<0.04	1	4	Bosnir et al., 2007	No preservative; pH = 5.82
Czech Republic, Prague - tap water	N/A	2	0.045				0.02	0.07	1	Prokupkova et al., 2002	
Czech Republic, Prague - bottled mineral water	N/A	1	0.01			<0.02			1	Prokupkova et al., 2002	Glass bottles, metal caps with PVC inserts
Czech Republic, Prague - bottled spring water	N/A	1	0.04			0.04			1	Prokupkova et al., 2002	PET bottles
Germany, Leipzig - drinking water	N/A	1	0.2			0.2			1	Luks-Betlej et al., 2001	Detection limit = 0.02 ug/L
Greece, Chania, Crete - Tap water	N/A	2	0.205				0.11	0.3	1	Pallakis and Kalogerakis, 2003	
Greece, Chania, Crete - Bottled mineral water	N/A	4	0.09				0.05	0.13	1	Pallakis and Kalogerakis, 2003	PET bottles with a push-pull closure
Italy - bottled water (glass)	N/A					0.02	<0.02		4	Montuori et al., 2008	71 samples; 75th perc = 0.06 ug/L
Italy - bottled water (PET)	N/A					0.22			4	Montuori et al., 2008	71 samples; 25th perc = 0.14 ug/L; 75th perc = 0.35 ug/L
Italy - bottled water (glass and PET)	N/A	142	0.17						4	Montuori et al., 2008	
Netherlands-Drinking water	N/A	1	0.05			0.1	<0.1	0.1	4	van der Velde, et al.	
Poland, Katowice - drinking water	N/A	1	0.16			0.16			1	Luks-Betlej et al., 2001	Detection limit = 0.02 ug/L
Portugal, Lisbon - tap water	N/A	1	0.19			0.19			1	Serodio and Nogueira, 2006	Detection limit = 0.015 ug/L
Portugal, Lisbon - bottled mineral water	N/A	1	0.04			0.04			1	Serodio and Nogueira, 2006	Detection limit = 0.015 ug/L
Spain, Catalonia - public water fountains	N/A	7	0.004			0.033	<0.002	0.090	1	Casajuan and Lacorte, 2003	Detected in 4 of 7 samples
Spain - bottled water - PET bottles	N/A	10	0.108			0.042	<0.002	0.355	1	Casajuan and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - PE bottles	N/A	6	0.253			0.136	<0.002	0.990	1	Casajuan and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - glass bottles	N/A	2	0.045				<0.002	0.089	1	Casajuan and Lacorte, 2003	Detected in 1 of 2 samples
Spain - bottled mineral water	N/A	1	0.0035				<0.007		1	Polo et al., 2005	
Sweden	1994-95						<0.01	0.06	4	Bergstedt et al., 1999 cited in Paxeus, 1999	39 samples
		192	0.15				<0.002	1			
Canada											
Alberta Drinking Water	87-98	1150	0.523	0.182			0.084	3	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Ottawa, ON - bottled water (polycarbonate)	2007	1	0.067			0.067			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (glass)	2006	1	0.065			0.065			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.092			0.092			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (glass)	2006	1	0.025			<0.049			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.094			0.094			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.075			0.075			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.073			0.073			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.054			0.054			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.100			0.100			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.096			0.096			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.072			0.072			1	Cao, 2008	Non-carbonated water
		1161	0.52				<0.049	3			
Alberta Drinking Water Rural (subset)	87-98	587	0.527	0.182	0.5		0.084	3	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Drinking Water Urban (subset)	87-98	563	0.520	0.182	0.5		0.42	3	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Beijing - Haidian District - tap water	2006	1	0.09			<0.17			4	Li et al., 2008	
China, Jinan (Shandong Province) - tap water	2007 (Aug)	1	0.18			<0.36			4	Zhao et al., 2008	
China, Wuhan - tap water	N/A	1	0.44			<0.88			4	Liang et al., 2008	
China, Wuhan - bottled mineral water	N/A	1	3.2			3.2			4	Liang et al., 2008	
China, Wuhan - tap water	N/A	6	0.9						4	Xu, et al. 2007	
China - bottled mineral water	N/A	6	2.8						4	Xu, et al. 2007	
		16	1.6				<0.17	3.2			
Total		1451	0.76				<0.002	10			

Food											
Type	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
BEVERAGES											
Soft drinks, fruit drinks, fruit & veg. juices	87-89	32	0.025			ND			1	Page and Lacroix, 1995	Ave = 1/2 DL
Fruit juice-citrus, canned	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g
Fruit juice-citrus, frozen	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g
Grape Juice (bottled)	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g
Tea	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Coffee- instant	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Soft drinks	1986	1	0.09			0.09			1	Page and Lacroix, 1995	
Soft drinks - Croatia; PET bottle	N/A	9	0.00111				<0.00004	0.010	4	Bosnir et al., 2007	Preserved with orthophosphoric acid; pH = 2.82
Soft drinks - Croatia; PET bottle	N/A	14	0.01714				<0.00004	0.200	4	Bosnir et al., 2007	Preserved with sodium benzoate; pH = 2.75
Soft drinks - Croatia; PET bottle	N/A	5	0.0086				<0.00004	0.030	4	Bosnir et al., 2007	Preserved with potassium sorbate; pH = 2.88
Soft drinks - Croatia; PET bottle	N/A	8	0.00002				<0.00004	<0.00004	4	Bosnir et al., 2007	Preserved with sodium benzoate & potassium sorbate; pH = 2.82
Beer	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Wines	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Wine - Italy, commercial, glass bottles	N/A	26	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, commercial, polyethylene coupled film brick	N/A	10	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, private wine producers, glass bottles	N/A	18	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine - Italy, experimental pilot plant, glass bottles	N/A	8	0.021				<0.042	<0.042	1	Del Carlo et al., 2008	
Wine -10 varieties; Spain	N/A	10	0.00117	0.00142	0.00074		<0.000172	0.00422	2	Carillo et al., 2008	Det. in 6 of 10 wines; variety of containers/closures
		148	0.018				<0.00004	0.2			

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
CEREAL											
Cereal, cooked oatmeal	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Cereal, cooked wheat	1986	1	0.17			0.17			1	Page and Lacroix, 1995	
Cereal, corn	1986	1	0.04			0.04			1	Page and Lacroix, 1995	
Cereal, wheat and bran	1986	1	0.19			0.19			1	Page and Lacroix, 1995	
		4	0.11				0.04	0.19			
DAIRY (excl. milk)											
Cheese, cheddar	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	32.6% fat; detection limit assumed to be 0.1 ug/g
Cheese, cottage	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	3% fat; detection limit assumed to be 0.1 ug/g
Cheese, processed	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	17.7% fat; detection limit assumed to be 0.1 ug/g
Cream	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	17.1% fat; detection limit assumed to be 0.1 ug/g
Ice cream	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	16.0% fat; detection limit assumed to be 0.1 ug/g
Yogurt	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	8.6% fat; detection limit assumed to be 0.1 ug/g
		6	0.05				NA	NA		Mean represents one half detection limit	
EGGS											
Egg	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	MDL for meat, fish and poultry is 0.1 ug/g
		1	0.05				NA	NA		Mean represents one half detection limit	
FATS & OILS											
Butter	1986	1	0.25			<0.5			1	Page and Lacroix, 1995	values corrected for blanks
Cooking Fats and Salad Oils	1986	1	0.25			ND			1	Page and Lacroix, 1995	MDL likely 0.5 ug/g
Margarine	1986	1	0.25			ND			1	Page and Lacroix, 1995	MDL likely 0.5 ug/g
Olive oil, extra virgin - Italy	N/A	6	0.074			<0.148	<0.148	<0.148	2	Cavaliere et al., 2008	
Olive oil, refined and virgin - Italy	N/A	6	0.074			<0.148	<0.148	<0.148	2	Cavaliere et al., 2008	
Olive oil + pomace oil - Italy	N/A	4	0.074			<0.148	<0.148	<0.148	2	Cavaliere et al., 2008	
		19	0.10				<0.148	<0.148		Mean represents one half detection limit	
Olive oil - UK	N/A	15					<0.0016	0.0093	3	Bradley et al., 2007	Exptl study, evaluated migration from non-stick cookware; heated for 30 to 90 min.
FISH											
Arctic Char - Austrian alps, Lake Schwarzsee ob Soelden (remote)	20027	1	0.03			<0.06			4	Krautter and Seidl, 2002	wet weight
Whole Fish-Great Lakes	80-81	22	0.01				<0.02	0.12	4	Devault, 1985	
Fish-Houston Ship Channel	95-96	4	0.5				ND	0.036	4	Armstrong et al., 1995	Average is larger than maximum value
Fish-San Jacinto River	95-96	2	0.5				ND	0.026	4	Armstrong et al., 1995	Average is larger than maximum value
Freshwater fish	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Canned fish	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Shallfish	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Fish-factory frozen halibut, pollock, salmon	87-89	7	0.05				<0.1	<0.1	1	Page and Lacroix, 1995	wet basis
Fish - various species - Japan	1998	141	0.005			<0.010	<0.010	<0.010	4	JEA, 1999	Not detected at any of 141 sites
Fish, Korea - nationwide survey; 31 samples	N/A						ND	0.0187	4	Choi et al., 2001	Wet wt; Detected in 56.5% samples
Fish, muscle - Netherlands	1999				0.064		<0.0067	0.32	1	Vethaak, et al. 2002	Detected in 14 of 16 samples; median calc. using detected values only
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.00039						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.000043						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.00064						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.0022						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada-Pacific Oysters	1999	9	0.0030						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada-Geoduck Clams	1999	9	0.0028						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada-Manila Clams	1999	9	0.0018						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada-Dungeness Crabs	1999	9	0.0039						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada -Purple Seastar	1999	9	0.0020						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C., Canada -Juvenile Shiner Perch	1999	9	0.0028						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Pacific Herring	1999	9	0.0023						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%
False Creek harbour, B.C., Canada -Pile Perch	1999	9	0.0040						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Striped Seaperch	1999	9	0.0017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada -Pacific Staghorn Sculpin	1999	9	0.0015						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada -English Sole	1999	9	0.0032						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C., Canada -Whitespotted Greenling	1999	9	0.0035						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada -Spiny Dogfish- muscle	1999	9	0.0093						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 6.3%
False Creek harbour, B.C., Canada -Spiny Dogfish- liver	1999	9	0.0201						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada -Spiny Dogfish- embryo	1999	9	0.0166						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C., Canada -Surf Scoters	1999	9	0.0037						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Mussels, whole body - Netherlands	1999			0.071			0.011	0.092	1	Vethaak, et al. 2002	Detected in 12 of 12 samples
Bream and Roach - NL	1998	25	0.0002			<0.0004	<0.0004	<0.0004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL, 0.77% fat	2000	1	0.0026			0.0026			1	David and Sandra, 2001	Wet wt
Roach - NL, 0.98% fat	2000	1	0.0024			0.0024			1	David and Sandra, 2001	Wet wt
Roach - NL, 1.59% fat	2000	1	0.0029			0.0029			1	David and Sandra, 2001	Wet wt
Molluscs - NL	2000	3	0.005		0.004		0.002	0.010	1	David and Sandra, 2001	Wet wt
Invertebrates - NL	2000	3	0.039		0.036		0.033	0.048	1	David and Sandra, 2001	Wet wt
		394	0.014				0.000043	0.32			
FRUITS											
Fruits, packaged	N/A	13	0.076				<0.04	0.73	1	Page and Lacroix, 1995	detected in 2 of 13 samples, MDL likely 0.04 to 0.2 ug/g
		13	0.076				<0.04	0.73			
GRAINS											
Bread, White	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Bread, Whole Wheat	1986	1	0.05			0.05			1	Page and Lacroix, 1995	
Bread - Switzerland	1991-96	1	0.020			0.020			4	Kuchen, et al. 1999	
Flour, wheat	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Grains - Switzerland	1991-96	1	0.006			0.006			4	Kuchen, et al. 1999	
Muffins	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pancakes	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta, dry	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Rice	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Rice, pasta - Switzerland	1991-96	1	0.020			0.020			4	Kuchen, et al. 1999	MDL likely 0.01 - 0.2 ug/g
Rolls/biscuits	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
		12	0.041				0.006	0.05			
Dried Barley Grain-Pig Slurry	1989	1	0.015			0.015			3	Kirchmann and Tengsved, 1991	Food item measured
Dried Barley Grain-Sewage sludge	1989	1	0.008			0.008			3	Kirchmann and Tengsved, 1991	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
MEAT											
Meats, frozen, packaged - Canada	87-89	5	0.05				<0.1	<0.1	1	Page and Lacroix, 1995	values corrected for blanks
Beef, steak - Canada	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Beef, ground - Canada	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Pork, fresh - Canada	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Pork - Switzerland	1991-96	1	0.020			0.020			4	Kuchen, et al. 1999	
Veal cutlets - Canada	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
		10	0.05				-0.1	0.02			
MILK											
Milk - Canada, Whole, 3.3% fat	1986	1	0.005			<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada, 2%	1986	1	0.005			<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada, Skim	1986	1	0.005			<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Evaporated Milk, canned - Canada; 7.6% fat	1986	1	0.005			<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada ; collected at farm - hand milked	N/A	6	0.00060				0.00039	0.00082	1	Feng et al., 2005	Ave. fat = 3.56 %
Milk - Canada; collected at farm - machine milked	N/A	6	0.00063				0.0005	0.00086	1	Feng et al., 2005	DEHP present in the PVC tubing; Ave. fat = 4.02%
Milk - Netherlands; direct from cows	1998	29	0.0005			<0.001	<0.001		1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - Netherlands; direct from cows	2000	3	0.0020		0.002		0.002	0.002	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
Milk - South Korea; raw bovine milk	N/A	30	0.001				<0.002	<0.002	1	Kim et al., 2009	
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.0365	0.0046					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.072	0.0178					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.0853	0.0029					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.0709	0.0067					1	Casajuana and Lacorte, 2004	3% fat
		86	0.007				0.00039	0.085		Maximum is a referenced average	
NUTS/BEANS											
Bean	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
Peanut butter, peanut	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
Baked bean	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
		3	0.045				NA	NA		Mean represents one half detection limit	
OTHER FOODS											
Cakes	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Crackers	1986	1	1.2			1.2			1	Page and Lacroix, 1995	
Cookies	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Danish/Donuts	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pie, apple	1986	1	2.2			2.2			1	Page and Lacroix, 1995	
Pie, blueberry	1986	1	1.3			1.3			1	Page and Lacroix, 1995	
Pizza	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
White sugar	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Syrup (bottled)	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Jam	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Honey	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Pudding (instant)	1986	1	0.41			0.41			1	Page and Lacroix, 1995	
Candy - chocolate bars	1986	1	5.3			5.3			1	Page and Lacroix, 1995	
Candy - other than chocolate bars	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Gelatin dessert	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Soup - meat (canned)	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - pea	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - tomato	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - onion	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
		19	0.58				-0.01	5.3			
POULTRY											
Chicken, whole packaged frozen	87-89	1	0.05			<0.1			1	Page and Lacroix, 1995	
Poultry	1986	1	0.05			<0.1			1	Page and Lacroix, 1995	
Poultry - Switzerland	1991-96	1	0.01			0.01			4	Kuchen, et al. 1999	
		3	0.04				-0.1	0.01			
PROCESSED MEAT											
Meats, non-frozen, packaged	87-89	12	0.05				<0.1	<0.1	1	Page and Lacroix, 1995	values corrected for blanks
Cold cuts, luncheon meat, pork (cured)	1986	3	0.05			<0.1			1	Page and Lacroix, 1995	
		15	0.05				<0.1	<0.1		Mean represents one half detection limit	
VEGETABLES											
variety of packaged veg-potatoes,com, bean, etc.	1986					ND			1	Page and Lacroix, 1995	18 composite samples; MDL likely 0.09- 0.2 ug/g
Potato - Switzerland	1991-96	1	0.009			0.009			4	Kuchen, et al. 1999	
Vegetables - Switzerland	1991-96	1	0.010			0.010			4	Kuchen, et al. 1999	
		2	0.01				0.009	0.01			
TOTAL DIET SAMPLES											
Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)					< 0.005	< 0.005	0.026	4	Fromme et al., 2007b	Detected in 77 of 350 samples (22%); det. limit 0.005 ug/g fresh wt.
Japan/Osaka - Set lunches from 10 restaurants	1999						ND	0.0003	1	Tsumura et al., 2001b	Detected in 4 of 10 samples
Japan/Osaka - Packad lunches from 10 stores	1989-2000						ND	0.0016	1	Tsumura et al., 2001b	Detected in 8 of 16 samples
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00034			<0.0005	<0.0005	0.0011	1	Tsumura et al., 2001a	Detection limit 0.0005 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00019			<0.0002	<0.0002	0.0007	1	Tsumura et al., 2001a	Detection limit 0.0002 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.00007			<0.0001	<0.0001	0.0002	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Taiwan, Taipei - packaged lunch	N/A	3	0.009	0.002	0.009		0.007	0.010	4	Chen et al., 2008	
		66	0.0006				<0.0001	0.026			
Taiwan - packaged lunch; microwaved 3 min. plastic wrap covering bowl	N/A	3	0.180	0.126	0.229		0.036	0.274	4	Chen et al., 2008	
Taiwan - packaged lunch; microwaved 3 min. plastic wrap touching food	N/A	3	0.116	0.079	0.125		0.033	0.190	4	Chen et al., 2008	
INFANT FORMULA - liquid											
Reconstituted infant formula - Spain - powder in can	2003	2	0.0764	0.0125					1	Casajuana and Lacorte, 2004	
		2	0.0764				N/A	0.0764			
BREAST MILK											
Mother's milk - Canada, Kingston, Ontario	2003-2004	86	0.00031			<0.00021	<0.00021	0.0081	1	Zhu et al., 2006	Detected in 15 of 86 samples; geo. mean = 0.00014 ug/g
Sweden - 2 to 3 wks after delivery; age 23 to 39 y	2001	42	0.0003	0.00024	<0.00044		<0.00044	0.00145	4	Hogberg et al., 2008	Detected in 8 of 42 samples; det. limit = 0.00044 ug/g; 75th perc = <0.00044 ug/g
		128	0.00031				<0.00021	0.0081			

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Consumer Products											
Location/Type	Date	Concentration as ug/g			Median	Single Point	Range		Data Quality	Reference	Comments
Japan/Asia											
China - bathing lotion	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - hair spray	N/A	1	98.63			98.63			4	Shen et al., 2007	
China - perfume	N/A	2	1572				1398	1745	4	Shen et al., 2007	
China - deodorant	N/A	1	724.9			724.9			4	Shen et al., 2007	
China - shampoo	N/A	2	0.05				<0.1	<0.1	4	Shen et al., 2007	
China - nail polish	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - cream	N/A	4	1.46		<0.1		<0.1	5.67	4	Shen et al., 2007	Detected in 1 of 4 samples
China - milk cleanser	N/A	2	0.05				<0.1	<0.1	4	Shen et al., 2007	
China - shrinking solution	N/A	1	0.05			<0.1			4	Shen et al., 2007	
		15	264.8				<0.1	1745			
Vegetation											
Location/Type	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/kg wet weight											
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	12		<10		<10	300	1	David and Sandra, 2001	wet wt: 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	15				6	24	1	David and Sandra, 2001	wet wt: 2 locations, ave dry mass =93.5%
		55	12				6	300			
Concentration in ug/kg dry weight											
Lichen - arctic, Northwest Territories, Canada	2005 (July)	2	225				180	270	3	Naeth and Wilkinson, 2008	
Wildlife											
Location/Type	Date	Concentration in ug/kg wet weight			Median	Single Point	Range		Data Quality	Reference	Comments
Japan - Carp	1998					<10	<10	<10	4	JEA, 1999	Not detected in any of 145 samples
Japan - Domestic pigeons	1998					<10	<10	<10	4	JEA, 1999	Not detected in any of 31 samples
Japan - Red mice	1998					<10	<10	<10	4	JEA, 1999	Not detected in any of 30 samples
Japan - Raccoon dogs	1998					<10	<10	<10	4	JEA, 1999	Not detected in any of 15 samples
Korea - Amphibians	N/A						ND	29.4	4	Choi et al., 2001	Wet wt.; 31 samples, detected in 16.1% samples
USA - West Virginia- smallmouth bass blood-plasma	2004 (May-Oct)	30	54	49			<25	150	4	Chambers & Leiker, 2006	Results not corrected for blanks; conc. in blanks = 62 ug/kg
		30	54				<10	150			
Greenland - Polar bear liver	1999-2002						16.9	24.2	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - Minke whale liver	1998					15.2			3	Vorkamp et al., 2004	Not corrected for blanks
Faroe Islands - Pilot whale liver	2001						17.0	31.4	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland , east - Ringed seal liver	2002						15.1	31.6	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland , west - Ringed seal liver	2002						13.2	28.6	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland , east - Shorthorn sculpin liver	2002						19.5	76.9	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%
Greenland , west - Shorthorn sculpin liver	2002						15.6	44.8	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%
Faroe Islands - Northern fulmar - fat tissue	1998-1999						20.4	29.5	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%
Human Blood											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/mL											
Europe - 17 countries: 47 volunteers (male and female)	Dec. 2003	45	0.013	0.057	<0.002		<0.002	0.34	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 5 of 45 samples; 90th perc = 0.002
Puerto Rico, San Juan - girls 6 mos to 8 y with thelarche	1994-1998						ND	0.037	1	Colon et al., 2005	Diet. in 5 of 41 samples; det. limit not reported; min. det. conc. = 0.008 ug/mL
Puerto Rico, San Juan - girls 6 mos to 10 y - control patients	1994-1998						ND	ND	1	Colon et al., 2005	Not detected in any of 35 samples; det. limit not reported
Sweden - women age 23 to 39 y; 3 to 4 wks after giving birth	2001	36	0.00031	0.00026	0.00024		<0.00013	0.0011	4	Hogberg et al., 2008	Detected in 29 of 36 samples; det. limit =0.00013 ug/mL; 75th perc = 0.00037
		81	0.007				<0.00013	0.34			
Human Urine											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/L											
Korea - children age 11-12 y	2003 (May)	150	13.8	52	<0.5		<0.5	99.6	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 20 samples
Korea - women age 20-73 y	2003 (May)	150	9.8	34	<0.5		<0.5	49.7	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 26 samples
		300	12				<0.5	99.6			
Concentration as ug/g creatinine											
Korea - children age 11-12 y	2003 (May)	150	11.5					77.3	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 20 samples
Korea - women age 20-73 y	2003 (May)	150	11.1					79.2	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 26 samples
		300	11.3					79.2			

Di-n-propyl Phthalate (DPP)

Surface Water		Concentration as ug/L			Single	Range	Data				
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.0005		<0.001				2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.0005		<0.001				2	Cincinelli, et al., 2001	Sea-surface microlayer
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.004						2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.008						2	Cincinelli, et al., 2001	Sea-surface microlayer
Netherlands	1999				0.006		<0.0019	0.008	1	Vethaak, et al. 2002	Detected in 7 of 87 samples; median calc. using detected values only
		12	0.003				<0.0019	0.008			
Japan/Asia											
China, Beijing - Haidian District, Jingmi Canal	2006	1	0.08			<0.15			4	Li et al., 2008	
China, Beijing - Haidian District, Xiaqing River	2006	1	0.08			<0.15			4	Li et al., 2008	
Japan - 12 major rivers	early 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	late 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	summer 1999	12	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 12 sites
Japan - Rivers - general watersheds	summer 1998	100	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 100 sites
Japan - Rivers - general watersheds	autumn 1998	139	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	1999?	101	0.05		<0.1		<0.1	<0.1	4	JEA, 1999	Not detected at any of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 124 sites
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 6 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 17 sites
Japan - Rivers	2001 (Jan.-Mar.)	124	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 124 sites
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 5 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 17 sites
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #3	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Aki River	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Asa River	1999-2000	12	0.005		<0.010		<0.010	<0.010	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.1				<0.8	1.8	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		788	0.05				<0.010	1.8			
Ground Water											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
Japan - general watersheds	summer 1998	8	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites
Japan - general watersheds	autumn 1998	12	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 23 sites
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 24 sites
		67	0.05				<0.1	<0.1			Mean represents one half detection limit
Landfill Leachate											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
Japan - landfill leachate	N/A					ND			4	Behnisch et al. 2001	Detection limit: 0.1 to 0.3 ug/L
							<0.1	<0.3			
Sediments											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Netherlands	1999	36	0.0015		<0.003		<0.003	<0.003	1	ALcontrol, 1999	Not detected in any of 36 samples
Netherlands	1999				0.3		<0.00053	1.8	1	Vethaak, et al. 2002	Detected in 12 of 21 samples; median calc. using detected values only
		36	0.0015				<0.00053	1.8			Mean represents one half detection limit

Legend

Data, changes or comments added in 2009

Also used in drinking water summary

Excluded from calculated summary

Indicates average based on detection limit

BOLD Calculated category summary**Data Quality**

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Japan/Asia											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan - 11 major rivers	late 1998	5	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 11 major rivers	summer 1999	11	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 11 sites
Japan - rivers, sea areas, lakes - nationwide	1998	152	0.005		<0.010		<0.010	<0.010	4	JEA, 1999	Not detected at any of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 11 sites
Taiwan - rivers	2000 (Jan.-Aug.)	6	0.1				ND	1.1	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		270	0.007				<0.010	1.1			

Suspended Particulate Matter											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Italy - Tyrrhenian Sea at Quercianella	1999	3	5.1						2	Cincinelli, et al., 2001	Sub-surface water; dry wt., conc. particulate matter = 3.9 mg/L
Italy - Tyrrhenian Sea at Quercianella	1999	3	26.9						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt., conc. particulate matter = 5.2 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	70						2	Cincinelli, et al., 2001	Sub-surface water; dry wt., conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	107						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt., conc. particulate matter = 72.5 mg/L
Netherlands	1999				1.5		<0.00053	13	1	Vethaak, et al. 2002	Detected in 29 of 51 samples; median calc. using detected values only
		12	52				<0.00053	107			Max. is a referenced average

Soil											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Netherlands	1998?	34	1.6		<3		<3	6	1	ALcontrol, 1999	Detected in 1 of 34 samples
		34	1.6				<3	6			

Air											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
USA											
Indoor											
Residential/office/personal exposure	2000	2	5.5				5	6	1	Rudel et al, 2001	Detected in 2 of 6 samples
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	1.2		<3		<3	27	2	Rudel et al, 2003	Detected in 15% of samples; detection limit = 3 ng/m3
		122	1.3				<3	27			
Europe											
Indoor											
Germany, Berlin - 59 apartments & 74 kindergartens	2000-01		N/A		<10		<10	17	4	Fromme et al., 2004	Detected in 2 of 133 samples; 15 ng/m3 and 17 ng/m3
			N/A				<10	17			
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct.-Dec.)	59	0.23		<0.29		<0.29	1.8	4	Japan MOE, 1999a	Detected in 5 of 59 samples
Japan - Residential areas	1998 (Oct.-Dec.)	60	0.15		<0.29		<0.29	0.39	4	Japan MOE, 1999a	Detected in 2 of 60 samples
Japan - Suburbs	1998 (Oct.-Dec.)	59	0.20		<0.29		<0.29	20	4	Japan MOE, 1999a	Detected in 4 of 59 samples
Japan - Industrial areas	2000 spring	6	0.095		<0.19		<0.19	<0.19	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Residential areas	2000 spring	6	0.095		<0.19		<0.19	<0.19	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Suburbs	2000 spring	6	0.095		<0.19		<0.19	<0.19	4	Japan MOE, 2000a	Not detected in any of 6 samples
		196	0.18				<0.19	20			
Japan - Ibaraki Prefecture	1991	1	50			<100			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50			<100	<100		3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	50			<100	<100		3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50			<100	<100		3	Watanabe, 2001	August; 30 m to 100 m above ground surface

Dust											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
USA											
Cape Cod, MA - 120 residences	1999-2001	119	200		<400		<400	<400	2	Rudel et al., 2003	Not detected in any of 119 samples; detection limit = 400 ug/kg
		119	200				<400	<400		Mean represents one half detection limit	
Europe											
U.K. - house dust	2002 (Oct-Nov)	29	50		<100		<100	<100	4	Santillo, et al. 2003	Not detected in any of 29 samples
		29	50				<100	<100		Mean represents one half detection limit	

Precipitation											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Netherlands - rainwater	1999	3	0.025		<0.05		<0.05	<0.05	1	Vethaak, et al. 2002	Not detected in any of 3 samples
			0.025				<0.05	<0.05		Mean represents one half detection limit	

Wastewater											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
China, Beijing - Gaobeidian WWTP effluent	2006	1	0.08			<0.15			4	Li et al., 2008	
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 8 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	summer 1998	2	0.1		<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 2 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 8 sites
		19	0.1				<0.15	<0.2		Mean represents one half detection limit	
Europe											
Netherlands - STP effluent	1999		NA		0.015		<0.001	0.022	1	Vethaak, et al. 2002	Detected in 4 of 9 samples
							<0.001	0.022			

Drinking Water											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
China, Beijing - Haidian District - tap water	2006	1	0.08			<0.15			4	Li et al., 2008	
		1	0.08				<0.15	NA		Mean represents one half detection limit	

Food											
Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
EGGS											
Eggs	1993	2	0.04						2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.04				NA	NA			
FISH											
Fish - various species - Japan	1998	141	0.005		<0.010		<0.010	<0.010	4	JEA, 1999	Not detected at any of 141 sites
Fish, Korea - nationwide survey; 31 samples	NA						ND	0.00155	4	Choi et al., 2001	Wet wt.; Detected in 1.6% samples
Fish, muscle - Netherlands	1999				0.0017		<0.00008	0.015	1	Vethaak, et al. 2002	Detected in 23 of 37 samples; median calc. using detected values only
Mussels, whole body - Netherlands	1999				0.00023		<0.00016	0.00096	1	Vethaak, et al. 2002	Detected in 5 of 12 samples; median calc. using detected values only
		141	0.005				<0.00008	0.015		Mean represents one half detection limit	
MEAT											
Carcass Meat	1993	2	0.04						2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.04				NA	NA			
MILK											
Milk	1993	2	0.0005						2	MAFF Report #82, March, 1996	not detected; DL = 0.001
		2	0.0005				NA	NA		Mean represents one half detection limit	
POULTRY											
Poultry	1993	2	0.01						2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.01				NA	NA			

TOTAL DIET SAMPLES

Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.00005	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
		126	0.00005		<0.0001	<0.0001			Mean represents one half detection limit

INFANT FORMULA - powder

Casein Formula-1	1996	2	0.0005	<0.001			2	MAFF Rpt-83, March, 1996	
Casein Formula-2	1996	2	0.02	0.02			2	MAFF Rpt-83, March, 1996	
Casein Formula-3	1996	2	0.0005	<0.001			2	MAFF Rpt-83, March, 1996	
Casein Formula-4	1996	2	0.0005	<0.001			2	MAFF Rpt-83, March, 1996	
Casein Formula-5	1996	2	0.03	0.03			2	MAFF Rpt-83, March, 1996	
Soy Formula-1	1996	2	0.0005	<0.001			2	MAFF Rpt-83, March, 1996	
Soy Formula-2	1996	2	0.01	0.01			2	MAFF Rpt-83, March, 1996	
Whey Formula-1	1996	2	0.02	0.02			2	MAFF Rpt-83, March, 1996	
Whey Formula-2	1996	2	0.003	0.003			2	MAFF Rpt-83, March, 1996	
Whey Formula-3	1996	2	0.03	0.03			2	MAFF Rpt-83, March, 1996	
Whey Formula-4	1996	2	0.03	0.03			2	MAFF Rpt-83, March, 1996	
Whey Formula-5	1996	2	0.05	0.05			2	MAFF Rpt-83, March, 1996	
Infant Formula-BF1, whey powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Premium, whey powder	1998	4	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G, soya powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-MA, whey powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-MM, casein powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMAW, soya powder	1998	2	0.0025	<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
		59	0.008		<0.001	0.05			

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.001		<0.002	<0.002	1	MAFF Rpt-168, December, 1998	
		4	0.001		<0.002				Mean represents one half detection limit

Consumer Products		Concentration as ug/g					Single	Range		Data		
Location/Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Japan/Asia												
China - bathing lotion	N/A	1	0.05			<0.1			4	Shen et al., 2007		
China - hair spray	N/A	1	0.05			<0.1			4	Shen et al., 2007		
China - perfume	N/A	2	2.32				1.36	3.28	4	Shen et al., 2007		
China - deodorant	N/A	1	0.05			<0.1			4	Shen et al., 2007		
China - shampoo	N/A	2	17.94				12.97	22.9	4	Shen et al., 2007		
China - nail polish	N/A	1	13.25			13.25			4	Shen et al., 2007		
China - cream	N/A	4	1.87				<0.1	4.13	4	Shen et al., 2007	Detected in 2 of 4 samples (3.25 and 4.13 ug/g)	
China - milk cleanser	N/A	2	2.79				2.28	3.29	4	Shen et al., 2007		
China - shrinking solution	N/A	1	4.25			4.25			4	Shen et al., 2007		
		15	4.75				<0.1	22.9				
Wildlife												
Location/Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Korea - Amphibians	N/A		NA				ND	2.8	4	Choi et al., 2001	Wet wt.; 31 samples, detected in 1.6% samples	
							ND	2.8				

Di-iso-propyl Phthalate (DIPP)

Surface Water		Concentration as ug/L				Single	Range	Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.007						2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.012						2	Cincinelli, et al., 2001	Sea-surface microlayer
		6	0.010				0.007	0.012			Min. and max. are referenced averages
Japan/Asia											
Tokyo - Tama River site #1 (upstream)	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #2	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #3	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #4 (downstream)	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Aki River	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Asa River	1999-2000	12	0.004				<0.008	<0.008	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
		72	0.004				<0.008				Mean represents one half detection limit

Suspended Particulate Matter		Concentration as ug/g dry weight				Single	Range	Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	44						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	292						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L
		6	168				44	292			Min. and max. are referenced averages

Air		Concentration as ng/m3				Single	Range	Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Japan/Asia											
Outdoor											
Japan - Ibaraki Prefecture	1991	1	50			<100			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50			<100	<100	<100	3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	50			<100	<100	<100	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50			<100	<100	<100	3	Watanabe, 2001	August; 30 m to 100 m above ground surface

Food		Concentration as ug/g				Single	Range	Data		Reference	Comments
Type	Date	N	Average	SD	Median	Point	Low	High	Quality		
INFANT FORMULA - powder											
Infant Formula-BF1, whey powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Premium, whey powder	1998	4	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G I, soya powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-MA, whey powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-MM, casein powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMAW, soya powder	1998	2	0.005			<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
		35	0.005				<0.01				Mean represents one half detection limit
INFANT FORMULA - liquid											
Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.0025			<0.005	<0.005	<0.005	1	MAFF Rpt-168, December, 1998	
		4	0.0025				<0.005				Mean represents one half detection limit

Legend

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BOLD Calculated category summary

Data Quality

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Di-n-butyl Phthalate (DBP)

Surface Water Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
USA											
Alabama River	1982	4	0.7			0.7		2	Monsanto, 1984		
Buffalo River	82-86							4	USEPA, 1991	ND not assigned	
Chesapeake Bay	1982	4	1.1			1.1		2	Monsanto, 1984		
Delaware R-2 miles DS of WTP	80-82	1	0.6			0.6		4	USEPA, 1987		
Delaware River, Wilmington	1982	4	0.55			0.55		2	Monsanto, 1984		
Delaware R-Trenton to Marcus Hook	80-82						0.2	4	USEPA, 1987		
Fort Erie	88-89	26	0.003				0.005	4	DIG, 1990	Suspended Solids	
Fort Erie	88-89	26	0.012				0.014	4	DIG, 1990	Dissolved only	
Fort Erie	89-90	47	0.01				0.013	4	DIG, 1991	Dissolved only	
Fort Erie	89-90	47	0.001				0.002	4	DIG, 1991	Suspended Solids	
Fort Erie	90-91	49	0.013				0.017	4	DIG, 1992	Dissolved only	
Fort Erie	90-91	48	0.002				0.003	4	DIG, 1992	Suspended Solids	
Fort Erie	91-92	46	0.017				0.019	4	DIG, 1993	Water Fraction	
Fort Erie	91-92	47	0.0011				0.0016	4	DIG, 1993	Suspended Solids	
Fort Erie	92-93	50	0.016				0.019	4	DIG, 1995	Water Fraction	
Fort Erie	92-93	50	0.0027				0.0033	4	DIG, 1995	Suspended Solids	
Fort Erie	93-94	43	0.013				0.016	4	DIG, 1996	Water Fraction	
Fort Erie	93-94	48	0.002				0.0039	4	DIG, 1996	Suspended Solids	
Gulf of Mexico	1977	7	0.093				0.003	4	Giam et al, 1978		
Gulf of Mexico Coast	1977	10	0.074				0.0034	4	Giam et al, 1978		
Kanawha River, WV	1982	4	0.5			0.5		2	Monsanto, 1984		
Lake Superior, Stt St Marie	1982						0.6	2	Monsanto, 1984		
Mississippi	N/A	1	0.14					4	Chang, 1975	in WHO, 1997	
Mississippi	<1983						0.1	4	Verschuren, 1983		
Mississippi Delta	1977	14	0.095				0.0065	4	Giam et al, 1978		
Mississippi R-Below St Louis	1982	4	0.6			0.6		2	Monsanto, 1984		
Mississippi R-Memphis	1982	4	1			1		2	Monsanto, 1984		
Missouri River	1982	4	2.3			2.3		2	Monsanto, 1984		
Neacos, TX	Jul-80	8	0.13				0.07	2	Ray, et al, 1983		
Niagara-on-the-Lake	91-92	48	0.016				0.019	4	DIG, 1993	Water Fraction	
Niagara-on-the-Lake	91-92	49	0.0006				0.0012	4	DIG, 1993	Suspended Solids	
Niagara-on-the-Lake	92-93	49	0.0096				0.011	4	DIG, 1995	Water Fraction	
Niagara-on-the-Lake	92-93	47	0.0023				0.0027	4	DIG, 1995	Suspended Solids	
Niagara-on-the-Lake	93-94	39	0.01				0.012	4	DIG, 1996	Water Fraction	
Niagara-on-the-Lake	93-94	46	0.0013				0.0007	4	DIG, 1996	Suspended Solids	
Niagara on the Lake	88-89	25	0.004				0.005	4	DIG, 1990	Suspended Solids	
Niagara on the Lake	88-89	25	0.015				0.019	4	DIG, 1990	Dissolved only	
Niagara on the Lake	89-90	43	0.01				0.012	4	DIG, 1991	Dissolved only	
Niagara on the Lake	89-90	45	0.002				0.002	4	DIG, 1991	Suspended Solids	
Niagara on the Lake	90-91	47	0.009				0.011	4	DIG, 1992	Dissolved only	
Niagara on the Lake	90-91	48	0.002				0.002	4	DIG, 1992	Suspended Solids	
Niagara River	1982	4	2.6			2.6		2	Monsanto, 1984		
Ohio River-Pittsburg	1982	4	0.6			0.6		2	Monsanto, 1984		
San Francisco Bay	1982						0.6	2	Monsanto, 1984		
US Waters	88-93						0.6	4	Storet, 1995	2.6% >DL, dissolved and particle bound	
US Waters	88-93					ND		4	Storet, 1995	2.6% >DL, dissolved and particle bound	
Williamsburg, OH-Landfill	1982						0.7	2	Monsanto, 1984		
Seattle DW	N/A					0.01		4	USEPA, 1987		
Storet Data-DW	78-87	65	6.7	3.86			0.2	10	4	USEPA, 1987	
Ottumwa DW	N/A					0.1		4	USEPA, 1987		
Philadelphia DW	N/A					0.05		4	USEPA, 1987		
		1180	0.41				0.0007	63			
California, south - 4 water filtration plants; raw drinking water	2001-02	13	1.54		<1.35		<1.35	8.34	1	Loraine and Pettigrove, 2006	Includes surface water and groundwater sources; det. in 4 of 13 samples
Surface Water	80-97	17	3314	13474	6				4	ATSDR Hazdat, 1998	
Delaware River-Summer	1976						0.1	3	Sheldon and Hites, 1978		
Delaware River-Winter	1976						0.1	3	Sheldon and Hites, 1978		
Lake Huron	1971	1	0.04					3	Mayer et al, 1972		
Missouri	1971	1	0.09					3	Mayer et al, 1972		
Washington, King County - streams and rivers	2002-2004						<0.24	0.31	3	King County, 2007	
Washington, King County - stormwater	2003-2004						<0.24	0.9	3	King County, 2007	
Northern Europe											
Baltic Sea-USSR	1984	1	0.002					4	Chernyak et al, 1985	in ECPI, 1997	
Brattoya	1996	1	0.03			<0.06		1	NIVA, 1996		
Breviksfjorden	1996	1	0.03			<0.06		1	NIVA, 1996		
Denmark - Fjord water - Roskilde Vig	1998-99	9	0.004	0.011				2	Vikelsee et al., 2001		
Denmark - Fjord water - Roskilde Bredning	1998-99	10	0.002	0.005				2	Vikelsee et al., 2001		
Denmark - Fjord water - Skuldelev	1998-99	3	0.015				<0.030	2	Vikelsee et al., 2001		
Denmark - Fjord water - Frederikssund	1998-99	4	0.031	0.043				2	Vikelsee et al., 2001		
Denmark - Fjord water - Kulhuse	1998-99	4	0.005	0.009				2	Vikelsee et al., 2001		
Denmark - Hove A, 5 m upstream	1996	1	0.01			<0.02		1	Vikelsee et al., 1998		
Denmark - Hove A near mouth	1996	1	0.01			<0.02		1	Vikelsee et al., 1998		
Denmark - Hove A upstream Lake Gundsomagle	1998-99	4	0.015				<0.030	2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Lake Gundsomagle	1998-99	5	0.011	0.021				2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Hove A downstream Lake Gundsomagle	1998-99	4	0.015				<0.030	2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Maglemose A, 5 m upstream	1996	1	0.01			<0.02		1	Vikelsee et al., 1998		
Denmark - Maglemose A near mouth	1996	1	0.1			0.1		1	Vikelsee et al., 1998		
Denmark - Maglemose A near mouth	1998-99	2	0.015				<0.030	2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Helligrenden near mouth	1998-99	4	0.015				<0.030	2	Vikelsee et al., 2001	Stream and lake water	
Faerder	1996	1	0.009			<0.018		1	NIVA, 1996		
Femunden Lake	1996	1	0.009			<0.018		1	NIVA, 1996		
Frierflaket	1996	1	0.009			<0.018		1	NIVA, 1996		
Fuglevik	1996	1	0.03			<0.06		1	NIVA, 1996		
Gasoyrenna	1996	1	0.009			<0.018		1	NIVA, 1996		
Gullaugbukta	1996	1	0.009			<0.018		1	NIVA, 1996		
Heddalsvatn Lake	1996	1	0.03			<0.06		1	NIVA, 1996		

Legend

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Holmen	1996				NQ	1	NIVA, 1996		
Lake Malaren, Sweden	1994	3	0.7		0.7	4	Parkman & Remberger, 1996		
Langesundsbukta	1996	1	0.009		<-0.018	1	NIVA, 1996		
Lundevatn Lake	1996	1	0.009		<-0.018	1	NIVA, 1996		
Mjosa Furnestjorden Lake	1996	1	0.03		<-0.06	1	NIVA, 1996		
Mjosa Gjøvik Lake	1996	1	0.03		<-0.06	1	NIVA, 1996		
Mjosa Hamar Lake	1996	1	0.009		<-0.018	1	NIVA, 1996		
Ornøya	1996	1	0.03		<-0.06	1	NIVA, 1996		
Slemmestad (VEAS)	1996	1	0.009		<-0.018	1	NIVA, 1996		
Swedish Lakes-Fracksjon	1996	3	0.006	0.003		4	Parkman and Remberger, 1996		
Swedish Lakes-Fyrisan	1996	3	0.163	0.015		4	Parkman and Remberger, 1996		
Swedish Lakes-Harsvatten	1996	3	0.005	0.004		4	Parkman and Remberger, 1996		
Swedish Lakes-Motala Strom	1996	3	0.004	0.005		4	Parkman and Remberger, 1996		
Swedish Lakes-Ornholmsviken	1996	3	0.027	0.023		4	Parkman and Remberger, 1996		
Swedish Lakes-Riddarfjärden (ice)	1996	3	0.012			4	Parkman and Remberger, 1996		
Swedish Lakes-Riddarfjärden(ice out)	1996	3	0.007			4	Parkman and Remberger, 1996		
Swedish Lakes-Riddarfjärden(summer)	1994	1	0.7			4	Parkman and Remberger, 1996		
Swedish Lakes-Svartan	1996	3	0.029			4	Parkman and Remberger, 1996		
Central Europe/UK									
France, River Mame (River Seine tributary -upstream Paris)	2002-2004	85	0.526		0.018	1.02	4	Teil et al., 2007	
France, River Seine - Alfortville (upstream Paris)	2002-2004	85	0.234		0.011	0.386	4	Teil et al., 2007	
France, River Seine - Alexandreville (Paris)	2002-2004	85	0.255		0.009	0.516	4	Teil et al., 2007	
France, River Seine - Argenteuil (downstream Paris)	2002-2004	85	0.353		0.035	0.581	4	Teil et al., 2007	
France, River Seine - Maisons Laffitte (downstream Paris)	2002-2004	85	0.296		0.024	0.608	4	Teil et al., 2007	
France, River Seine - Herblay (downstream Paris)	2002-2004	85	0.302		0.103	0.588	4	Teil et al., 2007	
France, River Seine - ConflansRG (downstream Paris)	2002-2004	85	0.365		0.031	0.809	4	Teil et al., 2007	
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.211		0.033	0.516	4	Teil et al., 2007	
France, River Oise (River Seine tributary - downstream Paris)	2002-2004	85	0.328		0.041	0.763	4	Teil et al., 2007	
France, Mame River - Pont de Neuilly sur Mame	2007 (March)	1	0.171		0.171		1	Dargnat et al., 2009	
France, Mame River - Pont de Champigny sur Mame	2007 (March)	1	0.140		0.140		1	Dargnat et al., 2009	
France, Mame River - Pont de Chennevieres	2007 (March)	1	0.149		0.149		1	Dargnat et al., 2009	
France, Mame River - Pont de Maisons-Alfort	2007 (March)	1	0.220		0.220		1	Dargnat et al., 2009	
Dusseldorf	1983				0.81	1.9	4	ARW, 1984	
Dusseldorf	1985				0.15	1.6	4	ARW, 1986	
Dusseldorf	1986				0.07	1.5	4	ARW, 1987	
Dusseldorf	1986				0.07	1.5	4	IAWR, 1986-87	
Dusseldorf	1984	1	0.2				4	RWA, 1985	
Elbe	1986				<-0.2	0.9	4	Jacobs and Mofid, 1986; cited in VROM, 1998	
Elbe	1983	1	0.119				4	BUA, 1988	
Elbe	1982	1	0.5				2	Webber et al, 1983	
Ems	1981	1	0.058				4	BUA, 1988	
Ems	1982				0.1	0.5	2	Webber et al, 1983	
GB: Crouch	1982	1	0.04				4	ECETOC, 1985	
GB: Crouch Estuary	N/A				0.024	0.058	4	in WHO, 1997	
GB: North Sea Coast	1986				<-0.04	3.4	4	Renner et al, 1990	
Germany: Edersee Lake	1990				<-0.5		4	ECPI, 1995	
Germany-Haringvliet	1989				0.049	0.069	4	Hendricks, et al, 1994	
Germany-Kampen	1989				0.044	0.049	4	Hendricks, et al, 1994	
Germany-Lobith 15/09	1989				0.101	0.141	4	Hendricks, et al, 1994	
Germany-Lobith 17/03	1989				0.076	0.091	4	Hendricks, et al, 1994	
Germany-Maassluis 22/09	1989				0.041	0.046	4	Hendricks, et al, 1994	
Germany-Maassluis 28/05	1989				0.04	0.067	4	Hendricks, et al, 1994	
Germany-Markermeer	1989						4	Hendricks, et al, 1994	
Germany-Werkendam 29/09	1989				0.046	0.048	4	Hendricks, et al, 1994	
Germany - rivers, lakes, channels	1997			0.50	0.12	8.8	4	Fromme, et al, 2002	
Germany - Rhine River (south)	1999	1	0.06		0.06		4	Alberti, et al. 2000	
Germany - Niers River	1999	1	0.22		0.22		4	Alberti, et al. 2000	
Germany - Rhine River (northwest)	1999	1	0.12		0.12		4	Alberti, et al. 2000	
Germany - Vechte River	1999	1	0.08		0.08		4	Alberti, et al. 2000	
Germany - Ems River	1999	1	0.11		0.11		4	Alberti, et al. 2000	
Germany - Hunte River	1999	1	0.16		0.16		4	Alberti, et al. 2000	
Germany -Weser River	1999	1	0.14		0.14		4	Alberti, et al. 2000	
Germany - Elbe River	1999	1	0.11		0.11		4	Alberti, et al. 2000	
Germany - Elbe River	1999	1	0.17		0.17		4	Alberti, et al. 2000	
Germany - Warnow River	1999	1	0.04		0.04		4	Alberti, et al. 2000	
Germany - Peene River	1999	1	0.17		0.17		4	Alberti, et al. 2000	
Germany -Ucker River	1999	1	0.23		0.23		4	Alberti, et al. 2000	
Germany -Oder River	1999	1	0.09		0.09		4	Alberti, et al. 2000	
Germany - Oder River	1999	1	0.08		0.08		4	Alberti, et al. 2000	
Germany -Elbe River	1999	1	0.28		0.28		4	Alberti, et al. 2000	
Germany -Donau River	1999	1	0.04		0.04		4	Alberti, et al. 2000	
Germany - "background" concentration	1999	1	0.11		0.11		4	Alberti, et al. 2000	
Germany - Rhine river; 8 locations	2001 (March)	8	1.809	2.064	1.2	0.19	6.3	4	Schwarzhauer & Heim, 2005
Harburg Harbor	1986				<-0.2	2	4	Jacobs et al, 1988	
Italy-Rieti District-August	1994				<-0.006	44.3	2	Vitali et al, 1997	
Italy-Rieti District-June-July	1994				<-0.006	22	2	Vitali et al, 1997	
Italy-Rieti District-Sept-Oct	1994				<-0.006	16.1	2	Vitali et al, 1997	
Italy - Tyrhenian Sea at Quercianella	1999	3	0.065				2	Cincinelli, et al., 2001	
Italy - Tyrhenian Sea at Quercianella	1999	3	0.223				2	Cincinelli, et al., 2001	
Italy - Tyrhenian Sea - Harbour of Leghorn	1999	3	0.260				2	Cincinelli, et al., 2001	
Italy - Tyrhenian Sea - Harbour of Leghorn	1999	3	0.286				2	Cincinelli, et al., 2001	
Kiel Bight	1978				0.059	0.2	4	Ehrhardt et al, 1980; BUA, 1988	
Lake IJssel	80-88				0.3	1.2	4	Belfroid et al., 1998; cited in VROM, 1998	
Lake IJssel (Arndijk)	1992			6.9			4	LWD/RIVM, 1996; cited in VROM, 1998	
Lek (Hagesstein)	1992				0.1	0.4	4	Belfroid et al., 1998; cited in VROM, 1998	
Maas	1977	1	0.4		0.1	1	4	Schouten, 1979	
Manchester Rivers	N/A				12.1	33.5	4	Fatoki and Vernon, 1990	
Meuse (Eijsden)	88-90				0.1	10	4	RIZA, 1991; cited in VROM, 1998	
Meuse (Eijsden)	N/A	1	0.5		0.5		4	Ritsema, 1988; cited in VROM, 1998	
Meuse (Eijsden)	1996	1	0.2		0.2		4	LWD/RIVM, 1996; cited in VROM, 1998	
Meuse (Eijsden)	N/A	1	0.5		0.5		4	Belfroid et al., 1998; cited in VROM, 1998	
Meuse (Ketzerveer)	1996	1	0.5		0.5		4	Belfroid et al., 1998; cited in VROM, 1998	

Netherlands	1999			0.25						1	Vethaak, et al. 2002	Detected in 81 of 87 samples; median calc. using detected values only
Netherlands	N/A	1	0.4		0.4					4	van der Velde, et al.	
Netherlands - rivers	1998 (Aug-Oct)									4	van Stee et al., 2002	
Noord-Brabant	87-88									4	Projectgroep Zwaljis, 1989	53% > DL
Nordfriesland Coast	1981	1	0.007							4	BUA, 1988	in ECPI, 1997
North Sea	1982	1	0.11							4	Ernst, 1983	in ECPI, 1997
North Sea - German Bight	2004 (Feb-Mar)	11	0.0017	0.0017	0.0014		0.00045	0.0066		1	Xie et al., 2005	Dissolved fraction
NRW Canals	91-92	12	0.3							1	Furtmann, 1993	
Oostfriesland Coast	1981	1	0.008							4	BUA, 1988	in ECPI, 1997
Rhine	91-92	83	0.14							1	Furtmann, 1993	Median; does not fit referenced range.
Rhine (R. Lek)	N/A	1	0.1							4	RIWA, 1991	in WHO, 1997
Rhine Tributaries	91-92									1	Furtmann, 1993	
Rhine, Lobith	1979	1	1							4	Schenck, 1986; Wagner et al, 1989	in ECPI, 1997
Rhine, Lobith	1982									4	BUA, 1988	in ECPI, 1997
Rhine, Lobith	1985	1	0.05							4	BUA, 1988; IAWR, 1985	in ECPI, 1997
Rhine, Lobith	1984	1	0.3							4	IAWR, 1985	in ECPI, 1997
Rhine, Lobith	1986									4	Ritsema, 1988; cited in VROM, 1998	
Rhine, Lobith	88-90									4	RIZA, 1991; cited in VROM, 1998	
Rhine, Lobith	1996									4	LWD/RIVM, 1996; cited in VROM, 1998	
Rhine, Lobith	1997	1	0.4		0.4					4	Belfroid et al., 1998; cited in VROM, 1998	
Rhine, NL	1978	1	0.025							4	ECETOC, 1985; van Vliet et al, 1979	in ECPI, 1997
Rhine, NL	1977	1	0.4							4	Schouten, 1979	in ECPI, 1997
Rhine-Bad Honnef	1987									4	IAWR, 1987	in ECPI, 1997
Rhine-Dusseldorf	1984	1	0.3							4	BUA, 1988	in ECPI, 1997
Rhine-Dusseldorf	1985									4	BUA, 1988; IAWR, 1985	in ECPI, 1997
Rhine-Dusseldorf	1984	1	0.92							4	BUA, 1988; IAWR, 1985	in ECPI, 1997
Rhine-Dusseldorf	1987									4	IAWR, 1987	in ECPI, 1997
Rhine-Dusseldorf	1984	1	0.81							4	Schenck, 1986; Wagner et al, 1989	in ECPI, 1997
Rhine-Dusseldorf	1983	1	0.73							4	Schenck, 1986; Wagner et al, 1989; BUA, 1988	in ECPI, 1997
Rhine-Koln	1987									4	IAWR, 1987	in ECPI, 1997
Rhine-Weisbaden	1987									4	IAWR, 1987	in ECPI, 1997
Rivers Hessen	1990									4	ECPI, 1995	
Rivers NRW	1991									4	Kuhn et al, 1989	in ECPI, 1997
Spain, Barcelona - Llobregat River	N/A	1	0.15							1	Alzaga et al., 2003	
Spain, Catalonia - Llobregat River basin	2001 (autumn)	11	0.41	0.41	0.3					4	Cespedes et al., 2005	Detected at 6 of 11 locations
Spain, Catalonia - River Ebro (Tortosa)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples
Spain, Catalonia - River Ebro (Delta)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples
Spain, Catalonia - Tarragona (industrial port)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples
Spain, Catalonia - Salou (marina)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples; seawater
Spain, Catalonia - Salou (coast)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples; seawater
Spain, Catalonia - Ebro Delta (irrigation canal)	Sept 01-Aug 02									1	Brossa et al., 2005	12 monthly samples
Spain, Catalonia - Ter River basin	2001 (March)	9	0.36	0.78	<0.03					4	Cespedes et al., 2006	Detected at 4 of 9 locations
Spain, south Catalonia - Ebro River	2002?	1	0.80			0.80				1	Brossa et al., 2003	
Spain, south Catalonia - sea water	2002?	1	2.09			2.09				1	Brossa et al., 2003	
Spain, south Catalonia - irrigation stream water	2002?	1	3.57			3.57				1	Brossa et al., 2003	
Spain - Ebro River	2001?	1	0.08			0.08				4	Brossa et al., 2002	
Spain - sea water	2001?	1	0.48			0.48				4	Brossa et al., 2002	
Spain - Ebro River	N/A	1	0.0035			-0.007				1	Penalver et al., 2000	
Spain, Tarragona industrial port	N/A	2	0.14			0.12	0.16			1	Penalver et al., 2000	
Spain, Biscay - Urdaibai estuary (natural biosphere)	N/A	3	1.1			0.8	1.7			1	Cortazar et al., 2002	Detection limit = 0.09 ug/L
Spain, Biscay - Nerbio-Ibaizabal estuary (industrialized)	N/A	1	1.9	0.7						1	Cortazar et al., 2002	Detection limit = 0.09 ug/L
Spain - industrial harbour	N/A	1	0.013							1	Polo et al., 2005	
Spain, marine water	N/A	1	0.005							1	Gimeno et al., 2003	
Spain - river	N/A									1	Polo et al., 2005	Det. Limit = 0.026 ug/L; LOQ not specified
Severn Trent Water, UK	1998	7	0.1							4	Fawell et al, 2001	
Suderebe	1986									4	BUA, 1988	in ECPI, 1997
Suderebe	1986	1	0.7							4	Jacobs et al, 1988	in ECPI, 1997
Tees Estuary	N/A	1	1.1			1.1				4	Law, et al, 1991	Sec ref.
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	1.3	1.82	<0.5					4	Pirie et al., 1996	Detected in 1 of 3 samples
UK Estuaries	1988									4	Mattheiessen, et al, 1992	
UK Estuaries	1988									4	Mattheiessen, et al, 1992	
Wesel	1979									4	IAWR, 1979/80	in ECPI, 1997
Wesel	1981									4	IAWR, 1981/82	in ECPI, 1997
Wesel	1984									4	IAWR, 1983-1985	in ECPI, 1997
Wesel	1987									4	IAWR, 1987	in ECPI, 1997
Weser	1983									4	BUA, 1988	in ECPI, 1997
Weser	1982									2	Webber et al, 1983	
Weser	91-92	27	0.26							1	Furtmann, 1993	
Yssel	1977	1	2							4	Schouten, 1979	in ECPI, 1997
Yssel Lake/River	1986	6	0.28							1	Ritsema et al, 1989	Water
Rhine River -12 Consecutive Days	1986	12	0.5							1	Ritsema et al, 1989	Water
Netherlands-Drinking Water	N/A									4	van der Velde, et al.	
NL Tap Water	1978	1	0.045		0.3					4	van Vliet et al, 1979	
NL Tap water w/PVC Contact	1978	1	0.5							4	van Vliet et al, 1979	after 96 hr. contact
		1130	0.30				0.00045	170				
Italy, northern - 2 km upstream of WWTP discharge	2007 (Jan-May)	6	3.645	8.605	0.156		0.0289	21.2		3	Bicchi et al., 2009	No info about receiving water; conc. upstream of WWTP > downstream
Italy, northern - 2 km downstream of WWTP discharge	2007 (Jan-May)	6	0.372	0.374	0.238		0.0314	0.9492		3	Bicchi et al., 2009	
Canada												
Alberta	84-99	1619	1.46	3.19	0.5		0.01	64		4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0058				0.0058			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.1694				0.1694			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.041				0.041			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0878				0.0878			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0001				<0.0002			1	Alberta Environment, 2005	
B.C. - False Creek Harbour, sea water - total conc.	N/A	7	0.110				0.050	0.244		1	Mackintosh et al., 2006	Detected in 7 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	7	0.0743				0.0338	0.165		1	Mackintosh et al., 2006	Detected in 7 of 12 samples; average is for detected values
Canada, Chateaugay River	1993									4	Berryman, 1996	SPMD
Canada, Chaudiere River	N/A									4	Berryman, 1998	SPMD
Plant Intake St. Clair	1	1	1.4							4	EC & HC, 1994b	
Fort Erie	26		0.0122				0.00029	0.0269		4	EC & HC, 1994b	
Niagara on the Lake	25		0.0152				0.00029	0.0729		4	EC & HC, 1994b	

St. Lawrence River		1	0.089					4	EC & HC, 1994b	
St. Clair River						10	100	4	EC & HC, 1994b	
		1691	1.40			<0.0002	100			
Alberta industrial (subset)	84-99	580	2.90	4.95	1	0.01	64	4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Alberta rural (subset)	84-99	874	0.677	0.602	0.5	0.01	5.2	4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Alberta urban (subset)	84-99	165	0.576	0.581	0.5	0.01	6.98	4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia										
China, Beijing - Haidian District, Jingmi Canal	2006	1	0.52			0.52		4	Li et al., 2008	
China, Beijing - Haidian District, Xiaqing River	2006	1	0.51			0.51		4	Li et al., 2008	
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	2.03		1.99	0.94	3.60	1	Zeng et al., 2008a	Det. in 100% samples
China, Taihu Lake - heavily industrialized area	2000	12	8.79			0.429	17.1	4	Wang, et al. 2003	Detected in 92% of samples
China, Wuhan - East Lake	N/A	6	41.2					4	Xu, et al. 2007	
China, Wuhan - East Lake	N/A	1	17.5			17.5		4	Liang et al., 2008	
China - Yellow River at Xiaolangdi	2004 (June)	3	21.0	0.07				4	Sha et al., 2007	
China - Yellow River at Mengjin	2004 (June)	3	4.28	0.09				4	Sha et al., 2007	
China - Yellow River at Jiaogong	2004 (June)					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Zhengzhou	2004 (June)					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Kaifeng	2004 (June)					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River at Dongming	2004 (June)					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	21.0	0.47				4	Sha et al., 2007	
China - Yellow River tributary - Mengzhou	2004 (June)	3	13.0	0.29				4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)	3	15.0	1.42				4	Sha et al., 2007	
China - Yellow River tributary - Xinmang	2004 (June)	3	9.24	0.21				4	Sha et al., 2007	
China - Yellow River tributary Mangqin	2004 (June)	3	26.0	0.58				4	Sha et al., 2007	
China - Yellow River tributary - Wenyuan Channel	2004 (June)					ND		4	Sha et al., 2007	Detection limit not reported
China - Yangtze River, Wuhan Section; Zhuankou	2005 (July)	1	0.023	0.010				4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Baishazhou	2005 (July)	1	0.041	0.020				4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (July)	1	0.134	0.041				4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)	1	0.126	0.086				4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)	1	0.014	0.004				4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Jirinkou	2005 (Dec)	1	28.63	1.27				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Zhuankou	2005 (Dec)	1	10.33	1.04				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (Dec)					ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Yangluo	2005 (Dec)	1	35.65	1.66				4	Wang, F. et al., 2008	Low water period
Japan, Dokkai B1	1982					0.02	0.4	4	Kishi, 1996	
Japan, Dokkai B2	1982					0.02	1.2	4	Kishi, 1996	
Gulf of Thailand	83-84					<1	53	4	Onodera et al, 1987	in ECPI
Himeji (off Coast) Japan	1982					0.07	0.18	4	Kishi, 1996	
Japan - surface water	1974					0.05	36	4	Japan MOE, 2003	Detected in 208 of 375 samples; det. limit 0.05 to 40 ug/L
Japan - surface water	1975					0.013	21	4	Japan MOE, 2003	Detected in 75 of 115 samples; det. limit 0.01 to 3 ug/L
Japan - surface water	1982					0.06	1.5	4	Japan MOE, 2003	Detected in 42 of 45 samples; det. limit 0.03 to 0.1 ug/L
Japan - surface water	1996				<0.2	0.21	1.4	4	Japan MOE, 2003	Detected in 5 of 30 samples; det. limit 0.2 ug/L
Japan Rivers	1971						350	4	ECETOC, 1985	
Japan Rivers	1974						4.4	4	ECETOC, 1985	
Japan Rivers	<1979					0.16	3.1	4	ECETOC, 1985	
Japan Rivers	N/A					<0.2	1.3	4	Mitsubishi Chemical; in API, 1998	
Japan - Rivers and Dams; 109 water systems	early 1998	256	0.18		<0.2	<0.2	1.3	2	MOC, 1999a and c	Detected at 69 of 256 sites
Japan - Rivers and Dams; 109 water systems	late 1998	261	0.13		<0.2	<0.2	0.8	2	MOC, 1999a and c	Detected at 39 of 261 sites
Japan - Rivers and Dams; 109 water systems	summer 1999	261	0.12		<0.2	<0.2	0.6	2	MOC, 1999a and c	Detected at 28 of 261 sites
Japan - Major rivers	spring 1999	31	0.21		<0.2	<0.2	1.2	4	MOC, 1999b	Detected at 12 of 31 sites
Japan - Rivers - general watersheds	summer 1998	100	0.21		<0.3	<0.3	2.3	4	Japan MOE, 1999b	Detected at 9 of 100 sites
Japan - Rivers - general watersheds	autumn 1998	199	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 1999b	Not detected at any of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	1999?	101	0.23		<0.3	<0.3	1.9	4	JEA, 1999	Detected at 14 of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.17		<0.3	<0.3	1.1	4	Japan MOE, 2000b	Detected at 6 of 124 sites
Japan - Lakes	2000 (Jan.-Feb.)	6	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 2000b	Not detected at any of 6 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 2000b	Not detected at any of 17 sites
Japan - Rivers	2001 (Jan.-Mar.)	124	0.18		<0.3	<0.3	0.9	4	Japan MOE, 2001a	Detected at 10 of 124 sites
Japan - Lakes	2001 (Jan.-Mar.)	5	0.15		<0.3	<0.3	<0.3	4	Japan MOE, 2001a	Not detected at any of 5 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.16		<0.3	<0.3	0.3	4	Japan MOE, 2001a	Detected at 1 of 17 sites
Kanmon Str-Japan	1982					0.02	0.3	4	Kishi, 1996	
Kinura P-Japan	1982					0.2	0.5	4	Kishi, 1996	
Kohse P-Japan	1982					0.14	1.5	4	Kishi, 1996	
Lake Biwa	93-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's
Lake Biwa	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5
Lake Biwa	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5
Lake Biwa	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5
Japan, Lake Okutama	93-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's
Japan, Lake Okutama	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5
Japan, Lake Okutama	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5
Japan, Lake Okutama	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5
Japan, Mizushima (off Coast 1)	1982					0.6	0.8	4	Kishi, 1996	
Japan, Mizushima (off Coast 2)	1982					0.5	0.8	4	Kishi, 1996	
Japan, Nagoya P1	1982					0.5	0.7	4	Kishi, 1996	
Japan, Nagoya P2	1982					0.2	0.6	4	Kishi, 1996	
Japan, Osaka Bay	1995	2	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5
Japan, Osaka Bay-2 locations	93-94	6	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 6 ND's
Japan, Osaka Bay-2 locations	1996	2	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5
Japan, Osaka Bay-2 locations	1997	2	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5
Japan, River water	N/A					0.1	0.3	4	Yano, 1979	
Japan, River water	N/A	1	0.96			<0.1	36	4	Shibuya, 1979	
Japan, Sendai B1	1982					0.1	0.3	4	Kishi, 1996	
Japan, Sendai B2	1982	3	0.2	0				4	Kishi, 1996	
Japan, Shizuoka River	N/A	1	1.39			<0.1	4.3	4	Shibuya, 1979	
Japan, Takasago (off Coast)	1982					0.14	0.33	4	Kishi, 1996	
Japan, Tama River, Tokyo	1973	12	2.2			0.38	5.6	2	Morita, et al, 1974; BUA, 1988	
Japan, Tamagawa River	N/A						4.1	4	Ogura et al, 1975	in WHO, 1997

Japan, The Tama River	93-94	9	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 9 ND's	
Japan, The Tama River	1995	3	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Japan, The Tama River	1996	3	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Japan, The Tama River	1997							ND	1	4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5
Japan, Tokyo Bay	93-94	6	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 6 ND's	
Japan, Tokyo Bay	1995	2	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Japan, Tokyo Bay	1996	2	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Japan, Tokyo Bay	1997	2	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000					0.010	0.091		1	Suzuki, et al. 2001		
Japan, Tokyo - Tama River site #2	1999-2000					<0.008	0.230		1	Suzuki, et al. 2001	Detected in 11 of 12 monthly samples	
Japan, Tokyo - Tama River site #3	1999-2000					<0.008	0.260		1	Suzuki, et al. 2001	Detected in 10 of 12 samples	
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000					<0.008	0.540		1	Suzuki, et al. 2001	Detected in 11 of 12 samples	
Japan, Tokyo - Aki River	1999-2000					<0.008	0.150		1	Suzuki, et al. 2001	Detected in 10 of 12 samples	
Japan, Tokyo - Asa River	1999-2000					0.042	0.400		1	Suzuki, et al. 2001		
Japan, Tsurumi R	1982	3	0.06		0.06				4	Kishi, 1996		
Japan, Yodo River	93-94	9	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 9 ND's	
Japan, Yodo River	1995	3	0.5					ND	1	4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5
Japan, Yodo River	1996	3	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Japan, Yodo River	1997	3	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Japan, Yokohama P	1982					0.06	0.1		4	Kishi, 1996		
Japan - Lake Okutama	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Tama River, Hamura Intake	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Tama River, Hutago-bashi	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L; det. in 1 sample = 0.2 ug/L	
Japan - Tama River, Taishi-bashi	1999-2007	11	0.3			<0.2	2		4	CERI, 2007	Det. limit 0.2 and 1 ug/L; det. in 1 sample = 2 ug/L	
Japan - Tokyo Bay A	1999-2007	10	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L; det. in 1 sample = 0.2 ug/L	
Japan - Tokyo Bay B	1999-2007	10	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Lake Biwa, Omi-ohashi	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Uji River, Kangetsu-bashi	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Yodo River, Hirakata-ohashi	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L; det. in 1 sample = 0.9 ug/L	
Japan - Yodo River, Denpo-ohashi	1999-2007	11	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Japan - Osaka Bay A	1999-2007	10	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L; det. in 2 samples = 0.3 ug/L	
Japan - Osaka Bay B	1999-2007	10	0.2			<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L	
Tokyo Tap Water	1973	12	1.7			0.71	3.1		2	Morita et al., 1974; Verschuren, 1983		
Drinking Water - Kakogawa	93-94	3	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's	
Drinking Water - Kakogawa	1995	1	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Kakogawa	1996	1	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Kakogawa	1997	1	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Osaka	93-94	1	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's	
Drinking Water - Osaka	1995	1	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Osaka	1996	1	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Osaka	1997	1	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Tokyo	93-94	1	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's	
Drinking Water - Tokyo	1995	1	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Tokyo	1996	1	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Tokyo	1997	1	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Yokohama	93-94	1	0.5						4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's	
Drinking Water - Yokohama	1995	1	0.5						4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Yokohama	1996	1	0.5						4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; avg=0.5	
Drinking Water - Yokohama	1997	1	0.5						4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; avg=0.5	
Korea - nationwide survey of 43 sites	N/A								4	Choi et al., 2001	Detected in 23 of 43 samples	
Taiwan - rivers	2000 (Jan.-Aug.)	14	4.9			1.0	13.5		4	Yuan, et al. 2002	Sample locations described as heavily contaminated	
Thailand Rivers	83-84					<1	49		4	Onodera et al., 1987	in ECPI	
Kitakyushu Tap Water-Japan	1980	1	240			<0.008	350		4	Shinohara et al., 1981		
China - Jingni Canal	N/A					<4.7			4	Cai et al., 2003	Elevated detection limit	
Other												
South Africa, Eastern Cape - East London harbour	2000					2.8	121.9		2	Fatoki and Noma, 2001		
South Africa, Eastern Cape - Port Elizabeth harbour	2000					1.0	1028.1		2	Fatoki and Noma, 2001		
South Africa, Eastern Cape - Major rivers + Sandile Dam	2000					0.04	75.6		2	Fatoki and Noma, 2001		
Norwegian Coast - dissolved phase; marine	2004 (summer)	5	1.1E-04	5.3E-05		3.4E-05	3.49E-04		1	Xie et al., 2007		
Arctic - dissolved phase; marine	2004 (summer)	8	2.1E-05	1.7E-05		1.0E-05	4.2E-05		1	Xie et al., 2007		
Central - dissolved phase; marine	2004 (summer)	3	3.2E-05	2.8E-05		1.4E-05	5.4E-05		1	Xie et al., 2007		
Antarctica, Terranova Bay	1988	6				0.02	0.138		4	Desideri et al., 1989	calculated values	
Australia-Melbourne domestic water	1994		ND						4	Wilkie, et al., 1996		
Indian Ocean	1983					1.4	47		4	Smirnov et al., 1984	in ECPI	
Nigeria, Obafemi Awolowo University; U/S sewage discharge	2002-2003	8	6,691	4,780		<1.31	18,000		3	Ogunfowokan et al., 2006	Monthly samples for 8 months	
Nigeria, Obafemi Awolowo University; D/S sewage discharge	2002-2003	32	20,150	12,230		<1.31	89,400		3	Ogunfowokan et al., 2006	Monthly samples for 8 months	

Ground Water		Concentration as ug/L					Data			Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality		
USA											
Miami, FL	N/A	1	5			5			4	USEPA, 1987	In 54% of samples
New Castle, DE-Landfill	N/A							1	4	USEPA, 1987	
Pima Co., AZ	N/A							<10	4	in WHO, 1997	
Puerto Rico	N/A							4.4	4	Arbona and Hunter, 1995	
Storet Data-DW	78-87	1043	4.48	3.24			0.5	50	4	USEPA, 1987	
		1044	4.48				0.5	50			
New York Public Water Wells	N/A							470	4	USEPA, 1987	
US Groundwater	80-95	63	112053	869070	10				4	ATSDR Hazdat, 1998	
Europe											
Hessen Morfelden Groundwater	N/A	1	0.25						4	Schleyer et al., 1991	
Groundwater-No landfill	91-92	1	0.17			0.17			1	Furtmann, 1993	
Netherlands	N/A				0.3		0.3	0.4	4	van der Velde, et al.	
Hessen Witzhausen Springwater	N/A						0.12	0.29	4	Schleyer et al., 1991	
Hessen Grebenau Springwater	N/A						0.15	0.27	4	Schleyer et al., 1991	
Hessen Konigstein Springwater	N/A						0.42	0.46	4	Schleyer et al., 1991	
		2	0.21				0.12	0.46			

Japan/Asia												
Japan - Moriguchi City	94-95	1	0.5						4	Ass Plas Ind Japan, 1995	ND assumed = 1 ug/L; avg = 1/2 DL	
Japan - Moriguchi City	95-96	1	0.5						4	Ass Plas Ind Japan, 1996		
Japan - Moriguchi City	Nov-96	1	0.5						4	Ass Plas Ind Japan, 1997		
Japan - Osaka City	94-95	1	0.5						4	Ass Plas Ind Japan, 1995		
Japan - Osaka City	95-96	1	0.5						4	Ass Plas Ind Japan, 1996		
Japan - Osaka City	Nov-96	1	0.5						4	Ass Plas Ind Japan, 1997		
Japan - Tokyo-3 locations	94-95	3	0.5						4	Ass Plas Ind Japan, 1995		
Japan - Tokyo-3 locations	95-96	3	0.5						4	Ass Plas Ind Japan, 1996		
Japan - Tokyo-3 locations	Nov-96	3	0.5						4	Ass Plas Ind Japan, 1997		
Japan - Uji City	94-95	1	0.5						4	Ass Plas Ind Japan, 1995		
Japan - Uji City	95-96	1	0.5						4	Ass Plas Ind Japan, 1996		
Japan - Uji City	Nov-96	1	0.5						4	Ass Plas Ind Japan, 1997		
Japan - general watersheds	summer 1998	8	0.15	<0.3	<0.3	<0.3	<0.3	<0.3	4	Japan MOE, 1999b		Not detected at any of 8 sites
Japan - general watersheds	autumn 1998	12	0.15	<0.3	<0.3	<0.3	<0.3	<0.3	4	Japan MOE, 1999b		Not detected at any of 12 sites
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.17	<0.3	<0.3	0.6	0.6	0.6	4	Japan MOE, 2000b		Detected in 1 of 23 samples
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.16	<0.3	<0.3	0.3	0.3	0.3	4	Japan MOE, 2001a		Detected in 1 of 24 samples
Japan - Akiruno City	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Japan - Setagaya-ku	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Japan - Sumida-ku	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Japan - Uji City	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Japan - Neyagawa	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Japan - Osaka, Tennoji-ku	1999-2007	10	0.2						4	CERI, 2007		Det. limit 0.2 and 1 ug/L
Taiwan	95-96	3	12	1					4	Yin and Su, 1996		
India, Chennai - groundwater near waste sites	N/A	1	0.0005						4	Swati et al., 2008		
		149	0.4						12	Maximum is a referenced average		

Canada

Canadian data were represented by Alberta Drinking water summarized below

Other

Spain, Besos River Basin	N/A								80	4	in WHO, 1997
Canada, Nova Scotia-beneath coke plant	N/A	1	570						570	4	in WHO, 1997

Landfill Leachate

Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
USA											
US Leachate	84-91	7	692	1359	15				4	ATSDR Hazdat, 1998	
		7	692								
Europe											
Construction Waste leachate	91-92					0.34			1	Furtmann, 1993	
Domestic Waste leachate	91-92						0.03	0.4	1	Furtmann, 1993	
Groundwater Near Active Landfill	91-92						0.2	3.9	1	Furtmann, 1993	
Groundwater Near Closed Landfill	91-92					0.48			1	Furtmann, 1993	
Finland - leachate from 11 municipal landfills	1998-99						<1	17	2	Martinen et al., 2003a	
Spain - landfill leachate	N/A	3	331		99		2.9	891	1	Alzaga et al., 2003	
Sweden - landfill leachate	N/A	1	115			115			1	Alzaga et al., 2003	
Sweden - landfill leachate	1995-96						<0.01	2	4	Faxeus, 1999a	3 landfills
Sweden, Denmark, Germany, Italy- Landfill leachate	1998-1999	17	4	7	<1		<1	23	2	Jonsson et al., 2003a	Leachate collected from 17 engineered landfills
		21	56				<0.01	891			
Japan/Asia											
Japan - landfill leachate	N/A								4	Behnisch et al. 2001	Detection limit 0.1 to 0.3 ug/L
China, Wuhan - leachate from 3 landfills	N/A	10	14.20				0.35	59.75	4	Zhang and Wang, 2009	
India, Chennai - leachate from waste sites	N/A	1	0.0005				<0.001		4	Swati et al., 2008	
		11	12.91				<0.001	59.75			
Other											
Brazil - Porto Alegre, Rio Grande do Sul - MSW leachate	N/A	1	17900			17900			4	dos Santos Freitas et al., 2004	
		1	17900				<0.001	17900			

Sediments

Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
USA											
Ashtabula Harbor (R10)	N/A						< 0.75		4	USEPA, 1990	No sampling dates
Ashtabula Harbor (R2)	N/A						< 0.2		4	USEPA, 1990	No sampling dates
Ashtabula River	1982						< 1.2		4	USEPA, 1990	No sampling dates
Buffalo River	1981	16	0.81					1.5	4	USEPA, 1991	
Buffalo River	1981	12	0.234		0.16			1	4	USEPA, 1991	
Chesapeake Bay	1979						0.016	0.093	1	Peterson and Freeman, 1982	Dry wt
Chester River, MD	Jun-78						0.028	0.9	4	Peterson and Freeman, 1984	
Commencement Bay, Tacoma	1981						<0.001	0.391	2	Schults et al, 1987	Dry wt
Creek in PA	1979	1	0.121			0.121			4	Russel et al, 1983	Dry wt, in ECPI
Detroit River	1982						0.19	0.65	2	Fallon et al, 1985	Dry wt
Eighteen Mile Creek	1981	1	0.62			0.62			4	Stevens, 1988	
Piant River	1974						ND	<1	4	USEPA, 1991	
Genessee River-Rochester east	1981	1	0.6			0.6			4	Stevens, 1988	
Genessee River-Rochester west	1981	1	0.07						4	Stevens, 1988	
Grand Calumet River	N/A							0.8	4	USEPA, 1991	No sampling dates
Gulf of Mexico	1977	3	0.0034				0.0016	0.0056	4	Giam et al, 1978	Dry wt
Gulf of Mexico Coast	1977	9	0.0076				<0.001	0.0153	4	Giam et al, 1978	Dry wt
Los Angeles, CA	N/A						0.018	0.355	4	Swartz et al, 1985	in WHO, 1997
Mississippi Delta	N/A	1	0.016				0.0018	0.052	4	Chang, 1975	in WHO, 1997
Mississippi Delta	1977	22	0.013				<0.0001	0.052	4	Giam et al, 1978	Dry wt
Neuces Estuary, TX	Jul-80						0.004	0.036	2	Ray, et al, 1983	
Niagra on the lake	75-82						0.00007	0.001	4	Kuntz, 1984	suspended particulates
Pond Near Chester River	1978	3	0.0002			0.0002			4	Peterson and Freeman, 1984	Dry wt
Puget Sound-Background Areas	N/A	70	0.168	0.331	0.03		0.003	0.76	4	Weiss, 1995	50th and 90th Percentiles, dry wt
Puget Sound-Non-Urban Bays	N/A	191	0.258	0.847	0.0115		0.0018	3.9	4	Weiss, 1995	50th and 90th Percentiles, dry wt

Puget Sound-Urban Bays	N/A	1135	0.419	1.183	0.071		0.00011	11	4	Weiss, 1995	50th and 90th Percentiles, dry wt
Shiawassee River, Mich	1974						ND	<1	4	USEPA, 1991	
Shiawassee River, Mich	1977						ND	<2	4	USEPA, 1991	
Tittabawassee River	N/A	12	0.01						4	USEPA, 1991	No sampling dates
US Sediments	80-97	34	51						4	ATSDR Hazdat, 1998	
US Sediments-LOD/2*1/2	N/A	1345	18.263	119.83	3		0.004	3333	4	Natl. Sed Quality DB, 1998	
US Sediments-LOD	N/A	211	85.625	291.319	11.348		0.019	3333	4	Natl. Sed Quality DB, 1998	
West Galveston Bay	1980	1	0.038						4	Giam and Atlas, 1980	Dry wt
West Galveston Bay	1980	3	0.06				<0.015	0.093	4	Murray et al, 1981	Dry wt
Wine Creek	1981	1	0.06						4	Stevens, 1988	
Various sites across country (536 sites; 20 river basins)	1992-95			<0.050			<0.050	0.26	1	Lopes and Furlong, 2001	Dry wt.; detected in 4.8% of sites; 95%ile = <0.050
		3073	14.6				0.00007	3333			
Lake Superior-Black Bay	1971	1	0.1				0.1		3	Mayer et al, 1972	Dry wt
Central Europe											
Bight of Eckenforde	<1950						<0.002	0.006	4	Malisch, 1981	Dry wt, In ECPI
Bight of Eckenforde	1960	1	0.02				0.02		4	Malisch, 1981	Dry wt, In ECPI
Bight of Eckenforde	1970	1	0.032				0.032		4	Malisch, 1981	Dry wt, In ECPI
Bight of Eckenforde	1978	1	0.076				0.076		4	Malisch, 1981	Dry wt, In ECPI
Bight of Helgoland	1981	1	0.016				0.016		4	BUA, 1988	Wet Wt, In ECPI
Bight of Lubeck	1950	1	0.0015				<0.003		4	Malisch, 1981	Dry wt, In ECPI
Bight of Lubeck	1950	1	0.0113				0.0113		4	Malisch, 1981	Dry wt, In ECPI
Bight of Lubeck	1960	1	0.0155				0.0155		4	Malisch, 1981	Dry wt, In ECPI
Bight of Lubeck	1970	1	0.031				0.031		4	Malisch, 1981	Dry wt, In ECPI
Bight of Lubeck	1978	1	0.032				0.032		4	Malisch, 1981	Dry wt, In ECPI
Bodensee	1979						0.2	0.7	4	Giam et al, 1980b; Sugatt et al, 1984	Dry wt, In ECPI
Danube (Ulm)	1979	1	0.075				0.075		4	Malisch, 1981	Dry wt, In ECPI
Elbe-Schnackenburg	1989	1	5.5				5.5		4	ARGE Elbe, 1989	Dry wt, In ECPI
Ems Estuary	1981						0.26	0.48	4	ECETOC, 1985	Dry wt, In ECPI
France, Seine River	92-95						0.0001	0.002	4	Elf Atochem memo, 1997 (Lemaire, 1997)	
GB: Crouch	1982						0.039	0.145	4	ECETOC, 1985	Dry wt, In ECPI
Geltinger Bight	1950	1	0.0096				0.0096		4	Malisch, 1981	Dry wt, In ECPI
Geltinger Bight	1960	1	0.0112				0.0112		4	Malisch, 1981	Dry wt, In ECPI
Geltinger Bight	1970	1	0.026				0.026		4	Malisch, 1981	Dry wt, In ECPI
Geltinger Bight	1978	1	0.083				0.083		4	Malisch, 1981	Dry wt, In ECPI
Germany - riverbeds in Brandenburg and Berlin	1997			0.45			0.06	2.08	4	Fromme, et al, 2002	Dry wt.; 35 waterways
Germany	N/A	112	0.25	<0.5			<0.5	0.68	4	Steffen and Lach, 2000	Detected in 1 of 112 samples
Harbor Harburg	1986						<0.2	1.8	4	Jacobs et al, 1988	Dry wt, In ECPI
Helgoland	1978	1	0.0033				0.0033		4	Malisch, 1981	Dry wt, In ECPI
Italy-Rieti District	1994						<0.125	28.3	2	Vitali et al, 1997	
Ketelmeer, Netherlands	67-85						0.37	2	2	Remberger, 1997	LOI samples
Lake Constance	N/A						0.1	0.3	4	Giam and Atlas, 1980	
Maas	1977						<0.5	1.5	4	Schwartz et al, 1979	Dry wt
Meuse	1977						0.05	1.5	4	Schwartz et al, 1979	
Neckar	1981						0.58	3.1	4	Hagenmaier et al, 1982	Dry wt, In ECPI
Neckar-Feudenheim	1979	1	0.09				0.09		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Neckar-Lauffen	1979						0.25	1.6	4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Neckar-Marbach	1979	1	0.3				0.3		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Neckar-Poppenweiler	1979						0.8	1.35	4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Neckar-Schwenningen	1979	1	0.163				0.163		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
NL: Rhine	1977						<0.5	15.5	4	Schwartz et al, 1979	Dry wt
NL: Rhine/Yssel	1978	1	1.7						4	BUA, 1988	Dry wt In ECPI
Netherlands	1999	36	0.124		0.049		<0.015	0.723	1	ALcontrol, 1999	Detected in 30 of 36 samples
Netherlands	1999			0.39			<0.034	1.0	1	Velthak, et al, 2002	Detected in 3 of 21 samples; median calc. using detected values only
NL: Veerwoude	2000	1	0.04				<0.08		1	David and Sandra, 2001	Dry wt; 13.87% dry mass
NL: Heerde	2000	1	0.15				0.15		1	David and Sandra, 2001	Dry wt; 62.03% dry mass
NL: Vught	2000	1	0.05				0.05		1	David and Sandra, 2001	Dry wt; 51.60% dry mass
NL: Noordende	2000	1	0.03				0.03		1	David and Sandra, 2001	Dry wt; 50.73% dry mass
Netherlands - 10 locations in North Sea	2000 spring	10	0.04	<0.08			<0.08	<0.08	1	Klamer et al., 2005	Dry wt.; surface sediment (top 5 cm); < 63 um fraction
Noord-Brabant	1989						1	6	4	Projectgroep Zwalijis, 1989	
NRW Canals	91-92						<DL	0.13	2	Furtmann, 1993	Dry wt
Rhein	1979						0.073	0.21	4	BUA, 1988	Dry wt, In ECPI
Rhein-Andernach	1979	1	0.21				0.21		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Rhein-Leopoldshafen	1979	1	0.073				0.073		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Rhein-Rudlingen Channel	1979	1	0.004				0.004		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Rhein-Wesel	1979	1	0.115				0.115		4	Malisch et al, 1981; Malisch, 1981	Dry wt, In ECPI
Rhine	91-92						0.14	2.2	2	Furtmann, 1993	Dry wt
Rhine Harbours	91-92						0.03	0.42	2	Furtmann, 1993	Dry wt
Spain, Gernika, Bay of Biscay - Urdaibai estuary	2003 March	4	0.40	0.32	0.39		0.02	0.79	4	Bartolome et al., 2005	
Spain, coastal fishing port - marine sediment	N/A	1	0.42				0.42		1	Gimeno et al., 2003	
Spain, Cantabria - northern, Atlantic coastal marine sediment	2007 (Jul-Sept)	5	0.025	<0.05			<0.05	<0.05	4	Antizar-Ladislao, 2009	Top 10 cm; sampling biased to locations affected by industry & shipping
Sudererbe	1986						<0.2	1.7	4	BUA, 1988; Jacobs et al, 1988	Dry wt, In ECPI
Usk, UK	N/A	1	8						4	Eglinton, et al, 1975	in WHO, 1997
USSR: Baltic	1984	1	0.001		0.001				4	Chernyak et al, 1985	Dry wt, In ECPI
Weser River	91-92						< DL	9.1	2	Furtmann, 1993	Dry wt
Yssel	1977						<0.5	7.5	4	Schwartz et al, 1979	Dry wt
Lake Kettelmeer, 67-69	1995						0.156	0.161	2	Remberger, 1997	DW
Lake Kettelmeer, 69-71	1995						0.08	0.116	2	Remberger, 1997	DW
Lake Kettelmeer, 71-73	1995						0.06	0.1	2	Remberger, 1997	DW
Lake Kettelmeer, 73-75	1995						0.08	0.09	2	Remberger, 1997	DW
Lake Kettelmeer, 75-77	1995						0.08	0.1	2	Remberger, 1997	DW
Lake Kettelmeer, 77-79	1995						0.1	0.12	2	Remberger, 1997	DW
Lake Kettelmeer, 79-81	1995	2	0.07	0					2	Remberger, 1997	DW
Lake Kettelmeer, 81-83	1995						0.09	0.1	2	Remberger, 1997	DW
Lake Kettelmeer, 83-85	1995						0.21	0.23	2	Remberger, 1997	DW
Northern Europe											
Brattøya	1996	1	0.032		0.032				1	NIVA, 1996	
Breviksfjorden	1996	1	0.102		0.102				1	NIVA, 1996	
Denmark: Limfjord	1978	1	0.0052		0.0052				4	Malisch, 1981	Dry wt, In ECPI
Denmark, Roskilde Vig	1996-99	26	0.143	0.178					2	Vikelsøe et al., 2001	Fjord sediment; 210 m from WWTP outlet; dry wt.
Denmark, Roskilde Vig - Station 2	1996-99	2	0.078	0.018					2	Vikelsøe et al., 2001	Fjord sediment; 1883 m from WWTP outlet; dry wt.

Denmark, Roskilde Bredning St 2044	1996-99	2	0.059	0.021	2	Vikelsøe et al., 2001	Fjord sediment; 3981 m from WWTP outlet; dry wt.		
Denmark, Roskilde Bredning St 60	1996-99	2	0.046	0.006	2	Vikelsøe et al., 2001	Fjord sediment; 6374 m from WWTP outlet; dry wt.		
Denmark, Isefjord - Bramsnaes	1996-99	2	0.044	0.005	2	Vikelsøe et al., 2001	Fjord sediment; dry wt.		
Denmark, Isefjord - Tempelkrog	1996-99	2	0.043	0.004	2	Vikelsøe et al., 2001	Fjord sediment; dry wt.		
Denmark, Hove A upstream Lake Gundsomagle	1998-99	2	0.017	0.023	2	Vikelsøe et al., 2001	Stream and lake sediment; dry wt.		
Denmark, Lake Gundsomagle, 100 m west	1998-99	2	0.038	0.014	2	Vikelsøe et al., 2001	Stream and lake sediment; dry wt.		
Denmark, Lake Gundsomagle, 200 m west	1998-99	2	0.067	0.042	2	Vikelsøe et al., 2001	Stream and lake sediment; dry wt.		
Denmark, Lake Gundsomagle, south bank	1998-99	2	0.003	0.002	2	Vikelsøe et al., 2001	Stream and lake sediment; dry wt.		
Denmark, Hove A downstream Lake Gundsomagle	1998-99	6	0.003	0.005	2	Vikelsøe et al., 2001	Stream and lake sediment; dry wt.		
Faerder	1996	1	0.0035		1	NIVA, 1996			
Femunden Reference	1996	1	0.0035		1	NIVA, 1996			
Femunden Surface	1996	1	0.0035		1	NIVA, 1996			
Frierflaket	1996	1	0.031		1	NIVA, 1996			
Fuglevik	1996	1	0.0035		1	NIVA, 1996			
Gracyrenna	1996	1	0.062		1	NIVA, 1996			
Gullaugbukta	1996	1	0.01		1	NIVA, 1996			
Heddalsvatn Reference	1996	1	0.0035		1	NIVA, 1996			
Heddalsvatn Surface	1996	1	0.0035		1	NIVA, 1996			
Holmen	1996	1	0.01		1	NIVA, 1996			
Langesundsbukta	1996	1	0.0035		1	NIVA, 1996			
Lundevatin Reference	1996	1	0.0035		1	NIVA, 1996			
Lundevatin Surface	1996	1	0.0035		1	NIVA, 1996			
Mjosa Furnestj. Reference	1996	1	0.0035		1	NIVA, 1996			
Mjosa Furnestj. Surface	1996	1	0.0035		1	NIVA, 1996			
Mjosa Gjovik Reference	1996	1	0.33		1	NIVA, 1996			
Mjosa Gjovik Surface	1996	1	0.01		1	NIVA, 1996			
Mjosa Hamar Reference	1996	1	0.0035		1	NIVA, 1996			
Mjosa Hamar Surface	1996	1	0.0035		1	NIVA, 1996			
North Sea-Havstensfjord	1995	1	1.22		4	ECPI Work Group, Memo, 1997			
North Sea-MUST E3	1995	1	1.19		4	ECPI Work Group, Memo, 1997			
Ormoya	1996	1	0.031		1	NIVA, 1996			
Slemmestad (VEAS)	1996	1	0.061		1	NIVA, 1996			
Swedish Lakes-Fracksjon 0-2 cm	1996	3	0.005		4	Parkman and Remberger, 1996			
Swedish Lakes-Fracksjon 14-16 cm	1996	4			4	Parkman and Remberger, 1996	ND not stated		
Swedish Lakes-Fyrisan 0-2 cm	1996	3	0.033		4	Parkman and Remberger, 1996			
Swedish Lakes-Fyrisan 8-10 cm	1996	3	0.068		4	Parkman and Remberger, 1996			
Swedish Lakes-Harsvatten 0-2 cm	1996	4			4	Parkman and Remberger, 1996	ND not stated		
Swedish Lakes-Harsvatten 14-16 cm	1996	4			4	Parkman and Remberger, 1996	ND not stated		
Swedish Lakes-Harsvatten12-13 cm	1994	3	0.016		4	Parkman and Remberger, 1996			
Swedish Lakes-Motala Strom 0-2 cm	1996	3	0.014		4	Parkman and Remberger, 1996			
Swedish Lakes-Motala Strom 14-16 cm	1996	3	0.012		4	Parkman and Remberger, 1996			
Swedish Lakes-Orrholmsviken 0-2 cm	1996	3	0.003		4	Parkman and Remberger, 1996			
Swedish Lakes-Orrholmsviken 8-10 cm	1996	3	0.001		4	Parkman and Remberger, 1996			
Swedish lakes-Riddarfjarden 0-2 cm	1996	3	0.042		4	Parkman and Remberger, 1996			
Swedish lakes-Riddarfjarden 0-2 cm	1994	3	0.076		4	Parkman and Remberger, 1996			
Swedish lakes-Riddarfjarden 14-16 cm	1996	3	0.011		4	Parkman and Remberger, 1996			
Swedish Lakes-Svartan 0-2 cm	1996	3	0.038		4	Parkman and Remberger, 1996			
Swedish Lakes-Svartan 6-8 cm	1996	3	0.025		4	Parkman and Remberger, 1996			
		316	0.19		0.0001	28.3			
Czech Republic - Morava River and tributaries	N/A	9	0.957	0.550	0.230	3.280	3	Vondracek et al. 2001	Dry wt.; no blanks
ECO AB at Svartan	1994	3	0.041	0.069			3	Parkman and Remberger, 1995	Dry wt.
ECO AB at Svartan	1994	3	6.74	10.4			3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Arasviken	1994	3	0.012	0.001			3	Parkman and Remberger, 1995	
Gullspangsalven-Arasviken	1994	3	0.14	0.02			3	Parkman and Remberger, 1995	
Gullspangsalven-Archip Goteborg	1994	1	0.007	N/A			3	Parkman and Remberger, 1995	
Gullspangsalven-Archip Goteborg	1994	1	0.12	N/A			3	Parkman and Remberger, 1995	
Gullspangsalven-Bohus	1994	3	0.003	0.002			3	Parkman and Remberger, 1995	
Gullspangsalven-Bohus	1994	3	0.08	0.06			3	Parkman and Remberger, 1995	
Gullspangsalven-Breddrevan	1994	2	0.02	0.03			3	Parkman and Remberger, 1995	
Gullspangsalven-Halvarsnoret	1994	3	0.179	0.176			3	Parkman and Remberger, 1995	
Gullspangsalven-Halvarsnoret	1994	3	0.83	0.83			3	Parkman and Remberger, 1995	
Gullspangsalven-Holmsjon	1994	3	0.071	0.083			3	Parkman and Remberger, 1995	
Gullspangsalven-Holmsjon	1994	3	0.21	0.25			3	Parkman and Remberger, 1995	
Gullspangsalven-Lesjon	1994	3	0.03	0.015			3	Parkman and Remberger, 1995	
Gullspangsalven-Lesjon	1994	3	0.07	0.04			3	Parkman and Remberger, 1995	
Gullspangsalven-Mockeln	1994	3	0.025	0.027			3	Parkman and Remberger, 1995	
Gullspangsalven-Mockeln	1994	3	0.1	0.18			3	Parkman and Remberger, 1995	
Gullspangsalven-Tornvarpen	1994	3	0.063	0.071			3	Parkman and Remberger, 1995	
Gullspangsalven-Tornvarpen	1994	3	0.37	0.42			3	Parkman and Remberger, 1995	
Gullspangsalven-Trollhattan	1994	3	0.001	0.001			3	Parkman and Remberger, 1995	
Gullspangsalven-Trollhattan	1994	3	0.08	0.09			3	Parkman and Remberger, 1995	
Stockholm	1994	6	0.076	0.04			3	Parkman and Remberger, 1995	
Stockholm	1994	6	0.51	0.18			3	Parkman and Remberger, 1995	
Swedish Lakes-Abiskojaure	1994	2	0.005	0.001			3	Parkman and Remberger, 1995	
Swedish Lakes-Abiskojaure	1994	2	0.14	0.04			3	Parkman and Remberger, 1995	
Swedish Lakes-Brunnsjon	1994	3	0.003	0.006			3	Parkman and Remberger, 1995	
Swedish Lakes-Brunnsjon	1994	3	0.01	0.01			3	Parkman and Remberger, 1995	
Swedish Lakes-Fracksjon	1994	3	0.2	0.27			3	Parkman and Remberger, 1995	
Swedish Lakes-Fracksjon 0-2 cm	1994	3	0.056	0.074			3	Parkman and Remberger, 1995	
Swedish Lakes-Harsvatten	1994	3	0.01	0.01			3	Parkman and Remberger, 1995	
Swedish Lakes-Harsvatten 0-2 cm	1994	3	0.002	0.003			3	Parkman and Remberger, 1995	
Swedish Lakes-Jutsajaure	1994	3	0.006	0.011			3	Parkman and Remberger, 1995	
Swedish Lakes-Jutsajaure	1994	3	0.03	0.05			3	Parkman and Remberger, 1995	
Swedish Lakes-Krageholmsson	1994	3	0.008	0.007			3	Parkman and Remberger, 1995	
Swedish Lakes-Krageholmsson	1994	3	0.05	0			3	Parkman and Remberger, 1995	
Swedish Lakes-Stensjon	1994	3	0.001	0.001			3	Parkman and Remberger, 1995	
Swedish Lakes-Stensjon	1994			0			3	Parkman and Remberger, 1995	
Tarkett in Ronnebyhamn	1994	3	0.182	0.258			3	Parkman and Remberger, 1995	
Tarkett in Ronnebyhamn	1994	3	0.61	0.86			3	Parkman and Remberger, 1995	
Upstream ECO AB at Ormaryd	1994	3	0.005	0.005			3	Parkman and Remberger, 1995	
Upstream ECO AB at Ormaryd	1994	3	0.01	0.01			3	Parkman and Remberger, 1995	
Upstream of Tarkett	1994	3	0.025	0.036			3	Parkman and Remberger, 1995	

Upstream of Tarkett	1994	3	0.38	0.61		3	Parkman and Remberger, 1995		
Canada									
Fraser river					0.06	0.204	4	Health Canada, 1994a	Rogers and Hall, 1987; 50 samples
River basins in southern Ontario					0.01	10.4	4	Health Canada, 1994a	MOE, 1989
B.C. - marine sediments	N/A			0.0803	0.0462	0.2661	4	Mackintosh et al., 2006	Corrected for blanks; det. in all 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	17	0.103		0.0575	0.182	1	Mackintosh et al., 2006	
B.C. - False Creek	1991	11	1.055	1.000	0.290	1.700	4	Garrett, 2000	Average calculated using 1/2 detection limits (vary by sample)
B.C. - Vancouver Harbour	1991	2	0.880	0.880	0.460	1.300	4	Garrett, 2000	
B.C. - Fraser River, near wood preservers	1990	6	1.607	1.400	0.780	2.900	4	Garrett, 2000	
B.C. - Victoria Harbour and Esquimalt	1990	15	1.209	0.6425	0.170	4.100	4	Garrett, 2000	
Ontario, Hamilton Harbour - near outflow of STP	1997	5	0.15	<0.3	<0.3	<0.3	1	McDowell and Metcalfe, 2001	Dry wt.; 5 locations ranging from 0 to 400 m from STP outflow
		56	0.78		0.010	10.4			
Japan/Asia									
China, Taihu Lake - heavily industrialized area	2000	12	11.30		1.08	21.52	4	Wang, et al. 2003	Detected in 92% of samples
China, Donghu Lake, Wuhan City, Hubei Province	2000	5	7.96	8.77	2.12	10.33	4	Wang, et al. 2002	
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.37	0.28	0.082	1.26	1	Zeng et al., 2008a	Top 10 cm; det. in 100% samples
China - Yellow River at Xiaolangdi	2004 (June)	3	21.04	0.81		21.04	4	Sha et al., 2007	
China - Yellow River at Mengjin	2004 (June)	3	34.08	1.31		34.08	4	Sha et al., 2007	
China - Yellow River at Mengzhou	2004 (June)	3	29.36	1.13		29.36	4	Sha et al., 2007	
China - Yellow River at Jiogong	2004 (June)	3	29.12	3.47		29.12	4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	25.82	3.30		25.82	4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)	3	18.12	3.65		18.12	4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	3	30.42	1.24		30.42	4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	72.15	2.78		72.15	4	Sha et al., 2007	
China - Yellow River tributary - Yiluo	2004 (June)	3	30.10	1.15		30.10	4	Sha et al., 2007	
China - Yellow River tributary - Xinmang	2004 (June)	3	31.91	1.23		31.91	4	Sha et al., 2007	
China - Yellow River tributary Mangqin	2004 (June)	3	19.80	0.76		19.80	4	Sha et al., 2007	
China - Yellow River tributary - Weryan Channel	2004 (June)	3	3.63	0.139		3.63	4	Sha et al., 2007	
China - Yangtze River, Wuhan Section; Left Zhuankou	2005 (July)	1	206.5	6.2		206.5	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Left Baishazhou	2005 (July)	1	136.8	5.5		136.8	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Left Wuhanguan	2005 (July)	1	11.7	1.0		11.7	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Right Wuhanguan	2005 (July)	1	246.0	5.1		246.0	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)	1	110.6	3.2		110.6	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)	1	141.9	4.3		141.9	4	Wang, F. et al., 2008	High water period
China - Yangtze River, Wuhan Section; Jinkou	2005 (Dec)	1	25.4	2.3		25.4	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Zhuankou	2005 (Dec)	1	83.3	3.3		83.3	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (Dec)	1	54.0	2.4		54.0	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Yangliu	2005 (Dec)	1	84.3	4.1		84.3	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Jinshui	2005 (Dec)	1			ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Dongting River	2005 (Dec)	1	48.9	3.2		48.9	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Houguan Lake	2005 (Dec)	1	82.1	2.6		82.1	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Tangxun River	2005 (Dec)	1	40.7	2.4		40.7	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Xunsi River	2005 (Dec)	1	8.6	0.4		8.6	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Qinduan River	2005 (Dec)	1	69.8	2.84		69.8	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Changfeng Bridge	2005 (Dec)	1	0.5	0.1		0.5	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Guocikou	2005 (Dec)	1			ND		4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Jijiazui	2005 (Dec)	1	49.0	4.2		49.0	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; East Lake	2005 (Dec)	1	154.8	2.9		154.8	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Lijadun	2005 (Dec)	1	24.7	1.8		24.7	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Fu River	2005 (Dec)	1	75.7	6.6		75.7	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Zhuajia River	2005 (Dec)	1	1.4	0.2		1.4	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Hou Lake	2005 (Dec)	1	90.8	6.7		90.8	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Xiaowan	2005 (Dec)	1	79.1	5.8		79.1	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wu Lake	2005 (Dec)	1	38.0	2.1		38.0	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Qingshan Harbor	2005 (Dec)	1	152.9	7.8		152.9	4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Daoshui River	2005 (Dec)	1	88.9	5.5		88.9	4	Wang, F. et al., 2008	Low water period
Dohkai B1-Japan	1982				0.02	0.04	4	Kishi, 1996	
Dohkai B2-Japan	1982				0.03	0.04	4	Kishi, 1996	
Himeji (off Coast) Japan	1982				0.05	0.066	4	Kishi, 1996	
Japan - bottom sediment	1974				0.001	2.3	4	Japan MOE, 2003	Detected in 154 of 370 samples; det. limit of 0.001 to 0.28 mg/kg
Japan - bottom sediment	1982				0.0097	0.14	4	Japan MOE, 2003	Detected in 39 of 45 samples; det. limit of 0.0007 to 0.005 mg/kg
Japan - bottom sediment	1996			<0.14	0.15	0.58	4	Japan MOE, 2003	Detected in 7 of 30 samples; det. limit of 0.14 mg/kg
Japan-Rivers	<1979				0.3	0.6	4	ECETOC, 1985	
Japan - 15 major rivers	late 1998	20	0.024	<0.025	<0.025	0.100	2	MOC, 1999a and c	Detected at 6 of 20 sites
Japan - 15 major rivers	summer 1999	20	0.023	<0.025	<0.025	0.110	2	MOC, 1999a and c	Detected at 4 of 20 sites
Japan - major rivers	spring 1999	27	0.046	0.032	<0.025	0.200	4	MOC, 1999b	Detected at 16 of 27 sites
Japan - rivers, sea areas, lakes - nationwide	1998	152	0.070	<0.025	<0.025	2.00	4	JEA, 1999	Detected at 67 of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.066	<0.025	<0.025	0.81	4	Japan MOE, 2000b	Detected at 12 of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.036	0.038	<0.025	0.054	4	Japan MOE, 2000b	Detected at 3 of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.016	<0.025	<0.025	0.032	4	Japan MOE, 2000b	Detected at 2 of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.050	<0.025	<0.025	0.250	4	Japan MOE, 2001a	Detected at 14 of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.041	0.033	<0.025	0.087	4	Japan MOE, 2001a	Detected at 3 of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.014	<0.025	<0.025	0.032	4	Japan MOE, 2001a	Detected at 1 of 11 sites
Japan - Kanmon Str	1982				0.02	0.14	4	Kishi, 1996	
Japan - Kinura P	1982				0.027	0.039	4	Kishi, 1996	
Japan - Kohbe P	1982				0.077	0.11	4	Kishi, 1996	
Japan, Mizushima (off Coast 1)	1982				0.04	0.06	4	Kishi, 1996	
Japan, Mizushima (off Coast 2)	1982				0.02	0.03	4	Kishi, 1996	
Japan, Nagoya P1	1982				0.02	0.032	4	Kishi, 1996	
Japan, Nagoya P2	1982				0.022	0.038	4	Kishi, 1996	
River sediments	N/A	1	0.08		<0.05	2.3	4	Shibuya, 1979	in WHO, 1997
River sediments	N/A				<0.005	0.059	4	Yano, 1979	
Japan, Sendai B1	1982				0.01	0.03	4	Kishi, 1996	
Japan, Sendai B2	1982				0.01	0.03	4	Kishi, 1996	
Japan, Shizuoka River, Prefecture	N/A	1	0.17			0.96	4	Shibuya, 1979	in WHO, 1997
Japan, Tagonoura	N/A	1	0.005				4	Shibuya, 1979	in WHO, 1997
Japan, Takasago (off Coast)	1982				0.01	0.057	4	Kishi, 1996	
Tama River	1973	1	0.35		0.35		4	Giam et al. 1980	Dry wt
Japan, Tsurumi R	1982	3	0.068		0.068		4	Kishi, 1996	
Japan, Yokohama P	1982						4	Kishi, 1996	ND not assigned

Korea - nationwide survey of 11 sites	N/A				ND	0.0325	4	Choi et al., 2001	Detected in 3 of 11 samples
Taiwan - rivers	2000 (Jan.-Aug.)	6	6.3		0.3	30.3	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		422	8.01		0.001	246			

Other									
Terra Nova Bay, Antarctica-IB 39	87-88	1			0.03			4	Desideri et al, 1991
Terra Nova Bay, Antarctica-other	87-88	13			0.005	0.037		4	Desideri et al, 1991
Greenland	2002				0.0025	0.0096		3	Vorkamp et al., 2004
									Not corrected for blanks; unclear if wet wt or dry wt basis

Suspended Particulate Matter											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe											
France, River Seine - low water period	2002-2004	1	17.9			17.9			4	Teil et al., 2007	
France, River Seine - high water period	2004	1	5.2			5.2			4	Teil et al., 2007	
Italy - Tyrrhenian Sea at Quercianella	1999	3	14.6						2	Cincinelli, et al., 2001	Sub-surface water; dry wt., conc. particulate matter = 3.9 mg/L
Italy - Tyrrhenian Sea at Quercianella	1999	3	41.0						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 5.2 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	398						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	292						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L
Netherlands	1999				0.098		<0.051	4.1	1	Vethaak, et al. 2002	Detected in 21 of 51 samples; median calc. using detected values only
Rhine River -12 Consecutive Days	1986						0.2	0.8	1	Ritsemma et al, 1989	Suspended Particulate matter, dry weight
Yssel Lake/River	1986						0.2	0.5	1	Ritsemma et al, 1989	Suspended Particulate matter, dry weight
		14	162				<0.051	398		Maximum is a referenced average	
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	7	22.400				9.320	63.900	1	Mackintosh et al., 2006	
		7	22.4				9.320	63.9			
Japan/Asia											
China - Yellow River at Jiaogong	2004 (June)	1	35.07	1.35					4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	1	17.55	0.67					4	Sha et al., 2007	
China - Yellow River at Kafeng	2004 (June)	1	32.31	1.24					4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	1	46.60	1.79					4	Sha et al., 2007	
China - Yellow River tributary - Yiluo River	2004 (June)	1	57.80	2.22					4	Sha et al., 2007	
		5	37.9				17.55	57.80			
Other											
North Sea - German Bight	2004 (Feb-Mar)	9	0.04	0.06	0.01		0.01	0.2	1	Xie et al., 2005	Total suspended matter
Norwegian Coast -marine; 0.75 um fraction	2004 (summer)	5	0.002		<0.004		<0.004	<0.004	1	Xie et al., 2007	Total suspended matter
Arctic - marine; 0.75 um fraction	2004 (summer)	8	0.002		<0.004		<0.004	<0.004	1	Xie et al., 2007	Total suspended matter
Central - marine; 0.75 um fraction	2004 (summer)	3	0.002		<0.004		<0.004	<0.004	1	Xie et al., 2007	Total suspended matter
		25	0.02				<0.004	0.2			

Soil											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
USA											
USA Soil	1982						9	280	4	Russel et al, 1983	in ECPI
USA Soil-Sludge Fert	1982	1	24				1.5	100	4	Nylor et al, 1982	in ECPI
North Carolina - Raleigh area, summer - day cares	1997	4	53				8	97	4	Wilson, et al. 2003	Soil in children's play areas
North Carolina - Raleigh area, summer - inside homes	1997	9	92				<2	173	4	Wilson, et al. 2003	Soil in children's play areas; det. at 1 of 9 homes
		14	76				1.5	280			
Florida - construction and demolition soil fines - Site A	N/A						<300	4000	2	Jang and Townsend, 2001	Detected in 9 of 12 samples
Florida - construction and demolition soil fines - Site B	N/A						<300	2600	2	Jang and Townsend, 2001	Detected in 1 of 5 samples
Florida - construction and demolition soil fines - Site C	N/A						<300	7800	2	Jang and Townsend, 2001	Detected in 1 of 6 samples
Florida - construction and demolition soil fines - Site D	N/A						400	6100	2	Jang and Townsend, 2001	Detected in 6 of 6 samples
US Soil	83-97	135	1316077	8821779	1500				4	ATSDR Hazdat, 1998	values extreme
Europe/UK											
Denmark - Roskilde; uncultivated soil	1996	20	2.3		<1		0.4	8	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; ecologically cultivated for 40 y	1996	20	1.6		1.6		0.5	2.7	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	0.8		<1		<1	1.3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; cultivated using artificial fertilizer	1996	20	1.2		1.1		0.6	2.1	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (medium arnts)	1996	20	0.4		0.5		0.1	0.5	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (low arnts)	1996	20	1.7		1.8		0.7	2.3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Dusseldorf	91-92	1	0.01			0.01			2	Furtman, 1993	
Germany, Northeast Bavaria - forested area - topsoil	1998-99	2	23						4	Streck and Herrmann, 2000	
Germany-Near Plant	86-89	12	200					560	4	Muller and Kordel, 1993	
Germany-Unpolluted area	86-89							185	4	Muller and Kordel, 1993	
Munich	1986	1	15			<30			4	Kampe et al, 1986; Kampe, 1987	Dry Wt, in ECPI
Munich-sludge fert	1986						< 30	440	4	Kampe et al, 1986; Kampe, 1987	Dry Wt, in ECPI
Germany, Stuttgart	N/A				307				4	UMEG, 1999 cited in Langenkamp and Part, 2001	162 samples; 90th percentile = 421 ug/kg
Niedersachsen	1985					<25			4	BUA, 1988	Dry Wt, in ECPI
Niedersachsen-Contaminated	1985	1	12.5				<25	170	4	UBA, 1987	Dry Wt, in ECPI
Netherlands	1998?	34	15		<15		<15	58	1	ALControl, 1999	Detected in 10 of 34 samples
UK - brickearth, Hamble Series	N/A	1	8			8			4	Gibson et al., 2005	
UK - gault clay, Evesham Series	N/A	1	7.9			7.9			4	Gibson et al., 2005	
		173	18				0.01	560			
Denmark - Roskilde; sludge amended soil (high arnts)	1996	20	438		350		280	760	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (high arnts) 2 y later	1998	24	467		410		230	830	1	Vikelsee et al., 1999	0 to 60 cm; divided into 6 depth intervals of 10 cm each
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	11		4		1	39	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Canada											
Ontario (Port Credit, Oakville/Burl.)		13					<0.1	1.4	4	Health Canada, 1994a	Goldier Associates, 1987
Oakville refinery site							0.029	1.523	4	Health Canada, 1994a	
Industrial site in Quebec							0.027	0.175	4	Health Canada, 1994a	
			NA				0.027	1.52			
Japan/Asia											
China - agricultural soil from 23 locations	N/A	23	530	420	380		<3.04	1560	1	Hu et al., 2003	Surface soil, 0 to 5 cm depth; detected in 96% of samples
China, Beijing suburbs - greenhouse soil, 9 samples	2001						300	1600	4	Ma et al., 2003	0 to 20 cm depth

China, Beijing - 30 locations in urban areas	N/A	30	790	753	463	279	3817	4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 611 ug/kg, dry wt
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	95		71	33	193	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 100% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	1080		626	316	2740	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	121		100	41	421	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 100% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	323		62	9	2000	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 100% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	89		70	34	206	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 100% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	8130	9990	291	291	30100	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	2060	2040	206	206	7490	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	2010	2630	922	206	7490	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Harbin District (north) - black soil	2005 (May)	4	7600			2750	14620	4	Xu et al., 2008	0 tp 20 cm depth; "dry wt" assumed
China, Handan District (central) - fluvo-aquic soil	2005 (May)	4	14060			3180	29370	4	Xu et al., 2008	0 tp 20 cm depth; "dry wt" assumed
China, Harbin and Handan Districts - non-cultivated fields	2005 (May)	1	4270		4270			4	Xu et al., 2008	0 tp 20 cm depth; "dry wt" assumed
China, Harbin and Handan Districts - greenhouse fields	2005 (May)	1	15460		15460			4	Xu et al., 2008	0 tp 20 cm depth; "dry wt" assumed
China, Harbin and Handan Districts - vegetable fields	2005 (May)	1	14780		14780			4	Xu et al., 2008	0 tp 20 cm depth; "dry wt" assumed
China, Jinan - greenhouse soil	N/A	1	2960					4	Wang et al., 2002; cited in Ma et al., 2003	
China, Jinan - soil outside greenhouses	N/A	1	1250					4	Wang et al., 2002; cited in Ma et al., 2003	
China, Shenyang - greenhouse soil	N/A	1	600					4	Tang et al., 1993; cited in Ma et al., 2003	
		144	2436			<3.04	30100			

OTHER

Mexico, Hidalgo - agr. area irrigated with untreated wastewater 90 y	N/A					244	552	4	Duran-Alvarez et al., 2009	upper 30 cm
Israel- Surface Soil	N/A					100	900	3	Muszkat, et al., 1993	Irrigation sources different
Israel- Soil 4-5 m depth	N/A					15	20	3	Muszkat, et al., 1993	
Israel- Soil 9-10 m depth	N/A					30	4000	3	Muszkat, et al., 1993	
Israel- Soil 20 m depth	N/A				40			3	Muszkat, et al., 1993	
Japan - Sand, soil	N/A					<10	90	4	Yano, 1979	

Air Location	Date	Concentration as ng/m ³					Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low		High				
USA												
Outdoor												
Barrow, AK	1979	1	1			1				4	USEPA, 1987	
Brooklyn, NY	1975	1	5.69				1.99	10.99	4	4	Bove et al, 1978	
College Station, TX	79-80	13	1.4	0.27			0.48	3.6	4	4	Atlas et al, 1988	
College Station, TX	N/A	1	3.8			3.8			4	4	USEPA, 87	
Florida	1980	1	18.5						4	4	BUA, 1988	in ECPI
Great Lakes	1980	1	2				0.5	5	4	4	Eisenreich et al, 1981	in ECPI
Gulf Coast, TX	1982	1	0.4						4	4	Chang et al, 1985	
Gulf of Mexico	1978	8	0.3				0.08	0.7	4	4	Giam and Neff, 1978	
Gulf of Mexico	1978	10	112				0.3	1.3	4	4	USEPA, 87	
North Carolina - central; spring	1997	4	51.6				191		4	4	Wilson, et al, 2001	10 child day care centres
North Carolina - Raleigh area, summer - outside day cares	1997	4	73.9				23.7	110	4	4	Wilson, et al, 2003	
North Carolina - Raleigh area, summer - outside homes	1997	9	30.7				<1.00	84.7	4	4	Wilson, et al, 2003	Det. at 2 of 9 locations
NY, NY	1975	1	14.2			14.2	0.14	11	4	4	Bove et al, 1978	in ECPI
NY, NY	N/A	1	14.2			14.2			4	4	USEPA, 87	
Outdoor Air Lubbock, TX	N/A	6	0.2						1	1	Weschler, 1994	
Pigeon Key, FL	N/A	1	18.5			18.5			4	4	USEPA, 87	
Queens, NY	1975	1	3.73					4.9	4	4	Bove et al, 1978	
Riverside, CA	1990				92				2	2	Sheldon et al, 1993	24 Hr Source Strength
Riverside, CA-Outdoor Air-Day	1990				16				2	2	Sheldon et al, 1993	
Riverside, CA-Outdoor Air-Night	1990				18				2	2	Sheldon et al, 1993	
Staten Island, NY	1975	1	3.28					7.38	4	4	Bove et al, 1978	
Sterling Forest, NY	74-75						0.36	4.14	4	4	Bove et al, 1978	
Sterling Forest, NY	N/A	1	1.1			1.1			4	4	USEPA, 87	
Niagra River (January)	1983	15	4.5	3.5			0.08	191	3	3	Hoff and Chan, 1987	
Niagra River (September)	1982	5	1.9	1.3			0.6	3.2	3	3	Hoff and Chan, 1987	
Coal Power Station emission	N/A						0.02	14	4	4	Haile, et al.	ug per dry standard cubic meter
Coal Power Station-fly ash	N/A					140			4	4	USEPA, 1987	
Fly ash	N/A	15	16000				410	39000	4	4	EPA/600/D-89/232	
Incinerator Ash	1987	18					150	5300	4	4	Shane et al, 1990	
Indoor												
Indoor Air Lubbock, TX	N/A	6	0.2						1	1	Weschler, 1984	
North Carolina - central; spring	1997	10	239				108	404	4	4	Wilson, et al, 2001	10 child day care centres
North Carolina - Raleigh area, summer - day cares	1997	4	488				222	786	4	4	Wilson, et al, 2003	
North Carolina - Raleigh area, summer - inside homes	1997	9	288				190	451	4	4	Wilson, et al, 2003	
Riverside, CA-Indoor Air-Day	1990				420				2	2	Sheldon et al, 1993	
Riverside, CA-Indoor Air-Night	1990				390				2	2	Sheldon et al, 1993	
Residential/office/personal exposure	2000	6	251				101	431	1	1	Rudel et al, 2001	Sieved to < 150 um
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	250		220		52	1100	2	2	Rudel et al, 2003	Detected in 100% of samples; detection limit=21 ng/m3
New York City, indoor air - residences; 2 week samples	2001-2006	32	380						2	2	Adibi et al., 2008	"Average" is geo mean
New York City; personal air samples (48 h)	2001-2006	96	450		480		190	1040	2	2	Adibi et al., 2008	Det. in 100% samples; low and high are 5th and 95th perc.; ave. is geo mean
New York City - personal air samples (48 h)	2000 (Mar-July)	30	580	730	400		110	4100	1	1	Adibi et al., 2003	
		313	355				0.2	4100				
Workplace - plastics melting	2000	1	2810			2810			1	1	Rudel et al, 2001	
Central Europe/UK												
Outdoor - vapour phase and total air												
Belgium-Urban area	1976						24	350	4	4	Verscheuren, 1983	in ECPI
Kortrijk-1 km upwind of incinerator	1998	1	6			6			1	1	RIC, 1998	
Kortrijk-100m from Greenhouse	1998	1	3			3			1	1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-10m from Greenhouse	1998	1	8			8			1	1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-1m from Greenhouse	1998	1	18			18			1	1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-300m downwind of incin	1998	1	5			5			1	1	RIC, 1998	
Kortrijk-City Traffic	1998	1	93			93			1	1	RIC, 1998	
Kortrijk-Highway Traffic	1998	1	6			6			1	1	RIC, 1998	
Kortrijk-Outside Laboratory	1998	5	4			4			1	1	RIC, 1998	
Belgium - Rural area	1998?	3	3.2				<3.3	4	1	1	Tienpont, et al. 2000	
France, Paris - total atmospheric conc.	May 2002-Apr 03	20	18.4	9.9					4	4	Teil et al. 2006	

France, Paris - vapour phase	May 2002-Apr 03	20	21.9		17.4		2.9	59.3	4	Teil et al. 2006	
Germany, Northeast Bavaria - forested area - vapour phase	1998-99						0.5	1.6	4	Streck and Herrmann, 2000	5 samples
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.88				0.13	1.97	1	Xie et al., 2006	Vapour; 5 m above ground
Netherlands - Glize-Rijen (Breda); 2 km from highway	2000	2	19				14.3	23.4	1	David and Sandra, 2001	Total air (vapour + aerosol); winter
Netherlands - Glize-Rijen (Breda); 2 km from highway	2000	2	25				22	29	1	David and Sandra, 2001	Summer
Netherlands - Glize-Rijen (Breda); 2 km from highway	2001	2	5				5	5	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	9				8.2	10.5	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	70				62	77	1	David and Sandra, 2001	Summer
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	4				4	5	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	7				5	9	1	David and Sandra, 2001	Summer
Netherlands - Spaulderveld (north of Utrecht); remote area	2000	2	11				10.0	11.9	1	David and Sandra, 2001	Winter
Netherlands - Spaulderveld (north of Utrecht); remote area	2000	2	31				25	36	1	David and Sandra, 2001	Summer
Netherlands - Spaulderveld (north of Utrecht); remote area	2001	2	7				5	9	1	David and Sandra, 2001	Winter
Netherlands - Spaulderveld (north of Utrecht); remote area	2001	2	2				2	3	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	9				8.5	9.3	1	David and Sandra, 2001	Winter
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	17				16	18	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	5				5	6	1	David and Sandra, 2001	Winter
North Sea - German Bight	2004 (Feb-Mar)	10	0.53	0.50	0.34		0.17	1.1	1	Xie et al., 2005	Vapour
Spain, Barcelona	N/A						1.1	17	4	Aceves and Grimalt, 1993	in WHO, 1997
U.K., Birmingham - 10 m from busy road	1999-2000	24	6.08	2.74					4	Harrad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
U.K., Birmingham - University "green space"	1999-2000	24	11.00	19.94					4	Harrad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
Northern Europe											
Sweden	1990				2		0.2	50	1	Thuren and Larsson, 1990	Median value
Sweden-Different Locs	84-85	51	1.7				0.23	50	1	Thuren et al. 1990	
Sweden-Temp Above 0C	1990				4				1	Thuren and Larsson, 1990	Median value
Sweden-Temp Below 0C	1990				1				1	Thuren and Larsson, 1990	Median value
		198	10				0.13	350			
Europe											
Outdoor - particulates											
France, Paris - particulate phase	May 2002-Apr 03	20	1.9		1.8		0.6	4.6	4	Teil et al. 2006	
Germany, Northeast Bavaria - forested area- aerosol particles	1998-99						0.9	5.1	4	Streck and Herrmann, 2000	5 samples
Germany, Geesthacht - GKSS Research Centre	N/A	6	2.19				0.078	6.85	1	Xie et al., 2006	Particles; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	10	0.53	0.32			0.1	1.2	1	Xie et al., 2005	Particles
		36	1.6				0.078	6.85			
Austria, Mount Sonnblick Observatory (3 km elev.)	1996 (fall)	8	91.1		79.1				3	Grollert and Puxbaum, 2000	
Austria, Mount Sonnblick Observatory (3 km elev.)	1997 (spring)	4	51.6		8.6				3	Grollert and Puxbaum, 2000	
Antwerp, Belgium-spring	1977	1	36				24	47	3	Cautreels et al. 1979	possibly contaminated
Antwerp, Belgium-winter	1977	1	65				55	74	3	Cautreels et al. 1979	suspended particulates, possibly contaminated
Italy - near DBP processing plant	1999	2	60				40	80	1	RIC, 2000	
Italy - near DBP/DEHP processing plant	1999	2	280				180	380	1	RIC, 1999	100 m from production and exhaust
Italy - stack emission DBP processing plant	1999	1	5340		5340				1	RIC, 1999	
Italy - stack emission DBP/DEHP processing plant	1999	1	2602820		2602820				1	RIC, 1999	
Italy - unfiltered emission DBP/DEHP processing plant	1999	2	1886430				1860260	1912600	1	RIC, 1999	
Italy-Urban Air	1995	1	12800000				9500000	17600000	4	Guidotti, et al. 1998	extreme maximum; unit error?
Kortrijk-Incin Exhaust, filtered	1998	1	68		68				1	RIC, 1998	
Kortrijk-Incin Exhaust, unfiltered	1998	1	125		125				1	RIC, 1998	
Kortrijk-PVC proc exhaust	1998	1	254042		254042				1	RIC, 1998	
Kortrijk-PVC proc prod unit	1998	1	47		47				1	RIC, 1998	
Europe											
Indoor											
Denmark-Office Air	1995						1600	3600	2	Clausen and Walkoff, 1997	
Inside Car	1998	3	61				<3	176	1	RIC, 1998	
Kortrijk-Inside Laboratory	1998	5	499						1	RIC, 1998	
Kortrijk-InsideGreenhouse	1998	1	156		156				1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-Underground Parking	1998	5	409				84	946	1	RIC, 1998	
Kortrijk-Underground Parking	1999	1	690		690				1	RIC, 1998	summer; parking not full
Kortrijk-Underground Parking	1999	1	5945		5945				1	RIC, 1998	summer; full capacity
Kortrijk-Flooring shop	1998	1	294		294				1	RIC, 1998	
Kortrijk-House w/15 year old PVC Floor	1998	1	994		994				1	RIC, 1998	
Kortrijk-House w/5 year old PVC Floor	1998	1	274		274				1	RIC, 1998	
Kortrijk - Sports Hall	1998	5	702				380	789	1	RIC, 1998	
Kortrijk - Kindergarten	2000	2	551				520	581	1	RIC, 2000	
Germany, Berlin - 59 appartments	2000-01	59	1218		1083		N/A	5586	4	Fromme et al., 2004	95th percentile = 2453 ng/m3
Germany, Berlin - 74 kindergartens	2000-01	74	2395		1188		N/A	13305	4	Fromme et al., 2004	95th percentile = 7376 ng/m3
Norway, Oslo University College corridor - measured on PM10	2003	1	12				12		1	Rakkestad et al., 2007	
Norway, Oslo University College office - measured on PM10	2003	1	112				112		1	Rakkestad et al., 2007	
Norway, Oslo University College stairway - measured on PM10	2003	1	75				75		1	Rakkestad et al., 2007	
Norway, Oslo University College computer room - measured on PM10	2003	1	158				158		1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM10	2003	1	38				38		1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM2.5	2003	1	36				36		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM10	2003	1	301				301		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM2.5	2003	1	114				114		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playroom - measured on PM10	2003	1	120				120		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playroom - measured on PM2.5	2003	1	32				32		1	Rakkestad et al., 2007	
Norway, Smestad primary school corridor - measured on PM10	2003	1	137				137		1	Rakkestad et al., 2007	
Norway, Smestad primary school corridor - measured on PM2.5	2003	1	89				89		1	Rakkestad et al., 2007	
Norway, Smestad primary school library - measured on PM10	2003	1	9				9		1	Rakkestad et al., 2007	
Norway, Smestad primary school library - measured on PM2.5	2003	1	11				11		1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM10	2003	1	33				33		1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM2.5	2003	1	19				19		1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM10	2003	1	268				268		1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM2.5	2003	1	122				122		1	Rakkestad et al., 2007	
Norway, Lindern kindergarten - measured on PM10	2003	1	23				23		1	Rakkestad et al., 2007	
Norway, Lindern kindergarten - measured on PM2.5	2003	1	23				23		1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM10	2003	1	118				118		1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM2.5	2003	1	130				130		1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM10	2003	1	88				88		1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM2.5	2003	1	55				55		1	Rakkestad et al., 2007	
Poland, Krakow - personal air samples (48 h)	2000-01	30	2900	2500	2300		750	15000	1	Adbi et al., 2003	

Switzerland, Zurich - laboratory air	N/A	2	2100		1200	3000	1	Fankhauser-Noti & Grob, 2007		
		215	1675		<3	15000				
Italy - Inside DBP processing plant	1999	1	1600		1600		1	RIC, 1999		
Italy - Inside DBP/DEHP processing plant	1999	1	16490		16490		1	RIC, 1999		
Canada										
Outdoor										
Canada-Ontario Urban area	<1984				0.1	700	4	BUA, 1988	in ECPI	
Niagara - gas phase	1982	5	1.9				4	EC & HC, 1994b	Hoff and Chan, 1987	
Niagara - particulate phase	1982	5	4				4	EC & HC, 1994b	Hoff and Chan, 1987	
Gas phase	1983	15	4.5				4	EC & HC, 1994b	Giam et al., 1978, 1980	
Particulate phase	1983	19	6.2				4	EC & HC, 1994b	Giam et al., 1978, 1980	
Great Lakes					0.5	5	4	EC & HC, 1994b	Eisenreich et al., 1981	
		44	4.9		0.1	700				
Indoor										
Indoor air		9	2.85				4	EC & HC, 1994b	Otson and Benoit, 1985	
		9	2.85		NA	NA				
Canada-Ontario Waste Incin	1972	1	700				4	Thomas, 1973	in ECPI	
Japan/Asia										
Outdoor										
China - Nanjing, daytime - measured as PM2.5	2004 (summer)	7	26	32	5.2	89	1	Wang, G. et al., 2007	Total PM2.5 = 128 ug/m3 (range 56 to 187)	
China - Nanjing, nighttime - measured as PM2.5	2004 (summer)	7	14	25	1.8	64	1	Wang, G. et al., 2007	Total PM2.5 = 135 ug/m3 (range 43 to 176)	
China - Nanjing, daytime - measured as PM2.5	2004 (winter)	7	12	6.8	6.4	26	1	Wang, G. et al., 2007	Total PM2.5 = 124 ug/m3 (range 97 to 162)	
China - Nanjing, nighttime - measured as PM2.5	2004 (winter)	7	16	11	3.4	34	1	Wang, G. et al., 2007	Total PM2.5 = 113 ug/m3 (range 40 to 153)	
Doshigawa, Japan	1985				55	370	4	Kishi, 1996		
Kobe, Japan	1985				50	220	4	Kishi, 1996		
Nagano, Japan	1985				39	270	4	Kishi, 1996		
Nishihobensan, Japan	1985				110	230	4	Kishi, 1996		
Noppero, Japan	1985				23	300	4	Kishi, 1996		
Nonikura, Japan	1985				24	61	4	Kishi, 1996		
Ohmuta, Japan	1985				130	280	4	Kishi, 1996		
Osaka	1980	1	192				4	BUA, 1988	in ECPI	
Japan, Osaka - measured outside car, 1.2 m above ground	2000-02	30	40		5	300	4	Yoshida and Matsunaga, 2006	Values read from graph	
Rokko, Japan	1985				40	230	4	Kishi, 1996		
Sangunsan, Japan	1985				17	26	4	Kishi, 1996		
Tokuyama, Japan	1985				140	330	4	Kishi, 1996		
Yokohama, Japan	1985				72	110	4	Kishi, 1996		
Japan	1996				10	140	4	Japan MOE, 2003	Detected in 13 of 15 samples; det. limit of 10 ng/m3	
Japan - Industrial areas	1998 (Oct.-Dec.)	59	27	23	<20	100	4	Japan MOE, 1999a	Detected in 32 of 59 samples	
Japan - Residential areas	1998 (Oct.-Dec.)	60	29	22	<20	140	4	Japan MOE, 1999a	Detected in 33 of 60 samples	
Japan - Suburbs	1998 (Oct.-Dec.)	59	22	<20	<20	160	4	Japan MOE, 1999a	Detected in 21 of 59 samples	
Japan - Industrial areas	2000 spring	6	25	23	18	37	4	Japan MOE, 2000a	Detected in all 6 samples	
Japan - Residential areas	2000 spring	6	19	14	8.9	42	4	Japan MOE, 2000a	Detected in all 6 samples	
Japan - Suburbs	2000 spring	6	14	13	6	24	4	Japan MOE, 2000a	Detected in all 6 samples	
Japan - outdoor air	N/A	1	25		<50		4	Toda et al., 2004		
		256	27		1.8	370				
Korea - nationwide survey of 24 sites	N/A				4.095	215.57	4	Choi et al., 2001	Detected in all 24 samples; units presented as ng/Nm3	
Outside air-Japan	N/A	1	0.0021		0.0021		4	Yano, 1979		
Japan - Ibaraki Prefecture	1991	1	100000		100000		3	Watanabe, 2001	March; 1.5 m above ground surface	
Japan - Ibaraki Prefecture	1991	8	21750		10000	79000	3	Watanabe, 2001	March; 150 m to 800 m above ground surface	
Japan - Chiba Prefecture	1992	2	12500		2000	23000	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface	
Japan - Chiba Prefecture	1992	3	683		<1000	14000	3	Watanabe, 2001	August; 30 m to 100 m above ground surface	
Indoor										
Tokyo - six houses	2000	6	380	410	110	600	1	Otake et al. 2001	Sampling in April and May	
Tokyo - 27 houses and apartments - spring and autumn	2000	27	750	1170	390	10	6180	4	Otake et al. 2004	Includes data presented in Otake et al., 2001; max. conc. in new, unoccupied house
Japan - inside car; 1 d to 3 y after delivery	1999-2002	44	350		10	1500	4	Yoshida and Matsunaga, 2006	Values read from graph	
Japan - office air	N/A	3	550	520	350	780	4	Toda et al., 2004		
		80	495		10	6180				
Inside air-Japan	N/A	1	0.0009		0.0009		4	Yano, 1979		
Japan - clean rooms at semiconductor plants	N/A	4	50	<100	<100	<100	4	Toda et al., 2004		
Other										
North Atlantic	N/A	5	1		0.4	2.3	4	Giam and Neff, 1978		
North Pacific-Enewetak Atoll	1979		0.87		0.4	1.8	4	ECETOC, 1985; Atlas et al, 1981		
Arctic, Alert - particle phase	1991 (Feb to June)	16	1.503	2.00	0.497	0.203	1	Fu et al., 2009	Weekly samples	
Arctic - gas phase	2004 (summer)	6	0.287		0.158	0.432	1	Xie et al., 2007		
Arctic - particle phase	2004 (summer)	6	0.139		0.143	0.075	1	Xie et al., 2007		
South Africa, Nylsvley Nature Reserve (remote)	1997	2	6.2		4.8	7.6	3	Limbeck et al., 2001	High conc. measured on back-up filter	
Aggarbattie burning	N/A			3700000			4	Srivastava, et al, 1988		
La Paz, Bolivia	1977		28		19	36	3	Cautreels et al. 1979		

Dust Location	Date	Concentration as ug/kg dry weight			Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD		Low	High			
USA										
Indoor - One office sample, five residential samples	2000	6	2.74E+04	1.72E+04		1.11E+04	5.94E+04	1	Rudel et al. 2001	Sieved to < 150 um
Cape Cod, MA - 120 residences	1999-2001	119	2.73E+04		2.01E+04	<24000	3.52E+05	2	Rudel et al. 2003	Detected in 98% of samples; detection limit = 24000 ug/kg
North Carolina - central; spring	1997	10	1.84E+04			1580	4.63E+04	4	Wilson, et al. 2001	floor dust at 10 child day care centres
North Carolina - Raleigh area, summer - day cares	1997	4	1870			58	5850	4	Wilson, et al. 2003	Floor dust; sieved to < 150 um
North Carolina - Raleigh area, summer - inside homes	1997	9	1210			384	3030	4	Wilson, et al. 2003	Floor dust; sieved to < 150 um
		148	2.44E+04			58	3.52E+05			
Outdoor										
France, Paris - particulates	May 2002-Apr 03	20	1.14E+05	88900		500	361900	4	Teil et al. 2006	
		20	1.14E+05			500	361900			
Indoor										
Northern Europe										

DBP

Denmark - house dust	2002	3	4.03E+04	3.35E+04	8500	7.90E+04	4	Santillo, et al. 2003	Detected in all 3 samples	
Finland - house dust	2002	3	7.59E+04	4.90E+04	3.78E+04	1.41E+05	4	Santillo, et al. 2003	Detected in all 3 samples	
Norway - House Dust- Oslo-Sedimented Dust	1992-93	38	1.00E+05		1.00E+04	1.03E+06	2	Oie et al., 1997	38 dwellings	
Norway - House Dust- Oslo-Suspended Particulate Matter	1992-93	6	3.70E+05	2.20E+05	1.30E+05	6.90E+05	2	Oie et al., 1997	6 dwellings	
Sweden - house dust	2002	2	6.18E+04	6.18E+04	2.19E+04	1.02E+05	4	Santillo, et al. 2003		
Sweden - house dust; children's bedrooms	Oct 2001-Apr 2002	346	2.26E+05	1.50E+05	<40,000		1	Bornehag et al., 2004	Detected in 308 samples; geo. mean = 174,000	
Central Europe										
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	1.04E+05		1.04E+05		1	RIC, 1998		
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	6.80E+04		6.80E+04		1	RIC, 1998		
Belgium, Kortrijk-Dust in Sports Arena Indoor	1998	1	1.40E+04		1.40E+04		1	RIC, 1998		
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	9.70E+04		9.70E+04		1	RIC, 1998		
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	4.40E+04		4.40E+04		1	RIC, 1998		
Belgium, Kortrijk - Kindergarten floor	2000	1	1.80E+04		1.80E+04		1	RIC, 2000		
Belgium, Kortrijk - Underground parking	1998	1	6.78E+05		6.78E+05		1	RIC, 1998		
Belgium, Kortrijk - Underground parking	1999	1	1.71E+04		1.71E+04		1	RIC, 1998		
Belgium - House Dust	N/A	12	1.44E+05	1.19E+05	3.80E+04	3.63E+04	4	David et al., 2001		
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	3.24E+04	3.23E+04	1.27E+04	1.13E+05	4	Greenpeace Belgium, 2004	23 individual and pooled samples	
Bulgaria, Sofia & Burgas- children's rooms (dust above floor level)	2004-2005	177	7.86E+06	9.93E+06		5.81E+07	4	Kolarik et al., 2008a and b	Det. in 100% samples; 95th%CI of geo mean = 6.59E+06 to 9.36E+06	
France - house dust	2002	1	2.21E+04	2.21E+04			4	Santillo, et al. 2003		
Germany, Aachen	1990	1	15.3	19.1	9	70.7	4	Shutz and Puttmann, 1993	24 Hr sample, air particulates	
Germany, Aachen	1990	14	2,829	3,374	1,640	615	4	Shutz and Puttmann, 1993	1 Hr sample, air particulates	
Germany - House Dust	N/A	4	1.03E+05			4.00E+04	4	Bruno-Weller and Pfordt, 2000		
Germany, Berlin - house dust, 30 apartments	2000-01	30	5.56E+04	4.70E+04		N/A	4	Fromme et al., 2004	95th percentile = 129,600	
Germany - North: house dust, 286 homes; 63 um fraction	N/A			4.90E+04			4	Butte et al., 2001 cited in Wensing et al 2005	95th percentile = 240,000	
Germany - Hamburg: house dust, 65 homes; 63 um fraction	N/A			4.70E+04			4	Kersten & Reich, 2003 cited in Wensing et al 2005	95th percentile = 180,000	
Germany - house dust, 199 homes; 2 mm fraction	N/A			4.20E+04			4	Becker et al., 2002 cited in Wensing et al 2005	95th percentile = 160,000	
Netherlands - House dust	2001	115	6.11E+04	1.46E+05	3.70E+04	1.00E+04	4	Greenpeace, 2001	90th percentile = 97,000	
Netherlands - School dust	2001	12	1.47E+05	1.97E+05	8.90E+04	1.70E+04	4	Greenpeace, 2001	90th percentile = 259,000	
Netherlands - Office dust	2001	7	9.63E+04	6.38E+04	9.40E+04	2.90E+04	4	Greenpeace, 2001	90th percentile = 153,000	
Netherlands - Hospital, university, hotel dust	2001	3	4.20E+04	2.66E+04	4.50E+04	1.40E+04	4	Greenpeace, 2001	90th percentile = 63,000	
Spain - house dust	2002	1	1.20E+05		1.20E+05		4	Santillo, et al. 2003		
U.K. - house dust	2002 (Oct-Nov)	29	5.02E+04	5.28E+04		100	4	Santillo, et al. 2003	Detected in all 29 samples	
		835	1.79E+06			4.8	4			
Denmark- Aarhus: 7 office buildings	N/A				8,800	nd	3	Molhave et al., 2000	ND prior to storage; meas. conc. after storage	

Deposition

Location	Date	N	Units of ug/m2/y	SD	Median	Single Point	Range	Data Quality	Reference	Comments
			Average				Low High			
Europe										
Denmark, Roskilde, Lille Valby meteorological station	1996-97	15	206		313		1.3	945	2	Vikelsøe et al., 2001
France, Paris - bulk deposition	May 2002-Apr 03	1	326.5						4	Teil et al. 2006
		16	214				1.3	945		Wet dep = 311.8 ug/m2/y; calc. dry dep. = 14.7 ug/m2/y

Precipitation

Location	Date	N	Concentration as ug/L	SD	Median	Single Point	Range	Data Quality	Reference	Comments
			Average				Low High			
USA										
Rainwater-College St, TX	1979	22	0.053				0.006	0.12	4	Atlas et al., 1988
Rainwater-Great Lakes	1980	1	0.006				0.004	0.01	4	Eisenreich et al, 1981
Rainwater-Portland	1984	1	0.046				0.034	0.061	2	Ligocki et al, 1985
		24	0.051				0.004	0.12		
Central Europe/UK										
France, Paris - rainwater	May 2002-Apr 03	72	0.592						4	Teil et al. 2006
Rainwater - Germany	N/A						0.03	4.5		in WHO, 1997
Rainwater Noord-Brabant	1989	1	2.4			2.4			4	Hoogheemraadschap West-Brabant, 1989
Rainwater Percolate Hessen:Greb	N/A	1	0.29						4	Schleyer et al, 1991
Rainwater Percolate Hessen:Kon	N/A	1	0.44						4	Schleyer et al, 1991
Rainwater Percolate Hessen:Mohrf	N/A	1	1						4	Schleyer et al, 1991
Rainwater Percolate Hessen:Witzh	N/A	1	0.35						4	Schleyer et al, 1991
Rainwater Percolate Hessen:Witzh	N/A	1	0.16						4	Schleyer et al, 1991
Rainwater PercolateHessen:Greb	N/A	1	0.41						4	Schleyer et al, 1991
Rainwater Percolate-Hessen:Kon	N/A	1	0.2						4	Schleyer et al, 1991
Rainwater Percolate-Hessen:Mohrf	N/A	1	0.26						4	Schleyer et al, 1991
Rainwater-Bocholt	1992	1	0.82						1	Furtmann, 1993
Rainwater-Dusseldorf	1991	1	1						1	Furtmann, 1993
Rainwater-Dusseldorf	1992	1	0.86						1	Furtmann, 1993
Rainwater-Hessen	88-89						0.06	1	4	Renner et al, 1990
Rainwater-Hessen:Greb	N/A	1	0.21						4	Schleyer et al, 1991
Rainwater-Hessen:Greb	N/A	1	0.36						4	Schleyer et al, 1991
Rainwater-Hessen:Kon	N/A	1	0.24						4	Schleyer et al, 1991
Rainwater-Hessen:Kon	N/A	1	0.26						4	Schleyer et al, 1991
Rainwater-Hessen:Mohrf	N/A	1	0.27						4	Schleyer et al, 1991
Rainwater-Hessen:Mohrf	N/A	1	0.21						4	Schleyer et al, 1991
Rainwater-Hessen:Witzh	N/A	1	0.52						4	Schleyer et al, 1991
Rainwater-Hessen:Witzh	N/A	1	0.24						4	Schleyer et al, 1991
Germany, Northeast Bavaria - forested area - rain	1998-09						0.0152	0.0694	4	Streck and Herrmann, 2000
Netherlands - rainwater	1999				0.41		0.28	0.88	1	Velthoek et al. 2002
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.498	0.259	0.425		0.139	1.173	1	Peters, 2003
							0.003	0.5	1	Thuren et al, 1990
		198	0.40				0.003	4.5		
Northern Europe										
Rainwater-Sweden	84-85	56	0.036						1	
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1996 (fall)	19	1.157		0.914				3	Grollert and Puxbaum, 2000
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1997 (spring)	11	3.368		1.944				3	Grollert and Puxbaum, 2000
Japan/Asia										
China, Jinan (Shandong Province) - rainwater	2007 (Aug)	1	0.22			<0.43			4	Zhao et al., 2008
Rainwater	N/A						0.1	5.2	4	Yano, 1979
Rainwater-Japan	1974						0.13	52	4	Japan MOE, 2003
Rainwater-Japan locations	1978						0.12	8.6	4	ECETOC, 1985
Rainwater-Yokohama	1975						1	250	4	BUA, 1988

Detected in 68 of 111 samples; det. limit of 0.1 to 4 ug/L

Units?

			1	0.22			0.1	250			
Other											
Rainwater-North Pacific, Enewetak Atoll	1979	1	0.031				0.0026	0.073	4	ECETOC, 1985; Atlas et al, 1981	
Rainwater-North Pacific, Enewetak Atoll	1984						0.03		4	BUA, 1988	

Wastewater		Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD		Low	High			
USA											
California, south - reclaimed wastewater	2001-02	6	0.62		<2.70		<2.70	3.71	1	Loraine and Pettigrove, 2006	Det. in 1 of 6 samples
California, south - wastewater influent	2001-02						7.54	14.6	1	Loraine and Pettigrove, 2006	
Fly Ash Leachate	N/A	13	14			14			4	EPA/600/D-89/232	
New Orleans WTP	N/A						0.1	0.36	4	USEPA, 1987	
New York WW Effluent	89-93						3	4	4	Stubin et al, 1996	Data quality concerns
New York WW Influent	89-93						4	49	4	Stubin et al, 1996	Data quality concerns
Philadelphia WTP	N/A	1	0.1			0.1			4	USEPA, 1987	
Pima Co., AZ-urban runoff	N/A						<3	6	4	in WHO, 1997	
POTW Influent	N/A						377	2265	4	EPA/440.01.91.009A	
STP Effluent, Illinois	N/A	1	0.11						4	Schacht, 1974	in WHO, 1997
		21	8.9				0.1	2265			
New Jersey POTW Effluent-A	N/A						1	26	3	Clark et al, 1991	estimated
New Jersey POTW Effluent-B	N/A						5	14	3	Clark et al, 1991	estimated
New Jersey POTW Effluent-C	N/A						5.5	16	3	Clark et al, 1991	estimated
CA, Oakland - residential wastewater	2006	2	0.18				<-0.34	<-0.36	3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from nail salon	2006	1	0.46			0.46			3	Jackson and Sutton, 2008	
CA, Oakland - industrial laundry wastewater	2006	2	43				<-0.36	86	3	Jackson and Sutton, 2008	
CA, Oakland - residential coin laundry wastewater	2006	1	<-3.6			<-3.6			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from diaper service	2006	1	12			12			3	Jackson and Sutton, 2008	Meas. value noted as "estimated concentration"
CA, Oakland - wastewater from pet wash	2006	1	0.76			0.76			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from veterinary clinic	2006	1	<18			<18			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from hospital and medical clinic	2006	2	0.42				<-0.36	0.66	3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from pharmaceutical manufacturer	2006	1	0.58			0.58			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from plastic bag manufacturer	2006	1	0.36			0.36			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from paper products manufacturer	2006	1	<-0.36			<-0.36			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from beverage manufacturer	2006	1	<-7.1			<-7.1			3	Jackson and Sutton, 2008	
CA, Oakland - wastewater from adhesives manufacturer	2006	1	120			120			3	Jackson and Sutton, 2008	Meas. value noted as "estimated concentration"
CA, Oakland - pre-treated influent at WWTP	2006	2	1.8				<-3.6	<-3.6	3	Jackson and Sutton, 2008	
CA, Oakland - treated effluent at WWTP	2006	3	2.1				<-0.36	5.5	3	Jackson and Sutton, 2008	Meas. value noted as "estimated concentration"
US Tissues-LOD/2*1/2	N/A	1048	2640.8	23,014	297		0.007	380000	4	Nat'L Sed Quality DB, 1998	
US Tissues-LOD	N/A	93	20273	73,447	1,300		53	380000	4	Nat'L Sed Quality DB, 1998	
Central Europe/UK											
Belgium - Roeselare; WWTP influent	2001	16	1.51		1.55		0.85	2.88	4	ECPI, 2001	
Belgium - Roeselare; WWTP effluent	2001	16	0.56		<1.00		<1.00	1.44	4	ECPI, 2001	
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	10.86		10.15		1.08	21.35	4	ECPI, 2002	
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.17		0.11		0.06	0.35	4	ECPI, 2002	
Domestic WW-effluent	91-92	1	0.22			0.22			1	Furtmann, 1993	
Domestic WW-influent	91-92	1	1.3			1.3			1	Furtmann, 1993	
Industrial WW-effluent	91-92	1	0.41			0.41			1	Furtmann, 1993	
Industrial WW-influent	91-92	1	8.2			8.2			1	Furtmann, 1993	
France, Marne AVal - WWTP influent after pre-treatment (grit removal)	2006 (May)	7	1.10	0.37					1	Dagnat et al., 2009	
France, Marne AVal - WWTP final effluent	2006 (May)	7	0.15	0.12					1	Dagnat et al., 2009	Removal: 86%
France, Marne AVal - WWTP final effluent, rainy conditions	2007 (March)	1	0.446			0.446			1	Dagnat et al., 2009	
France, Paris - influent, dry weather	N/A			0.18			<-0.10	0.35	4	Gasperi et al., 2008	n=10; detected in 67% samples
France, Paris - wet weather, combined sewer overflow	N/A			0.54			<-0.10	0.68	4	Gasperi et al., 2008	n=13; detected in 50% samples
Germany - effluent from 39 STPs	1997				0.7		0.2	10.4	4	Fromme, et al. 2002	
Germany - 2 "dump runoff samples"	1997	2	0.01				<-0.02	<-0.02	4	Fromme, et al. 2002	
Germany - 2 compost water samples	1997	2	0.01				<-0.02	<-0.02	4	Fromme, et al. 2002	
Germany - municipal <1000 inhabitants	1999	1	0.19		0.19				4	Alberti, et al. 2000	
Germany - municipal <500 inhabitants	1999	1	0.07		0.07				4	Alberti, et al. 2000	
Germany - municipal <100,000 inhabitants	1999	1	0.11		0.11				4	Alberti, et al. 2000	
Germany - municipal >100,000 inhabitants	1999	1	0.24		0.24				4	Alberti, et al. 2000	
Germany - pulp & paper industry	1999	1	1.35		1.35				4	Alberti, et al. 2000	
Germany - leather industry	1999	1	1		1				4	Alberti, et al. 2000	
Germany - landfill	1999	1	0.24		0.24				4	Alberti, et al. 2000	
Germany - chemical fibres	1999	1	0.19		0.19				4	Alberti, et al. 2000	
Germany - textiles industry	1999	1	0.09		0.09				4	Alberti, et al. 2000	
Germany - chemical industry	1999	1	0.19		0.19				4	Alberti, et al. 2000	
Germany - coating materials	1999	1	0.12		0.12				4	Alberti, et al. 2000	
Italy-Filtered POTW influent	Feb-95	5	14	3					4	Leprì et al., 1997	
Italy-Filtered POTW influent	Jul-95	5	68	8					4	Leprì et al., 1997	
Netherlands - untreated municipal wastewater	1999				3.7		<-0.4	51	1	Vethaak, et al. 2002	Detected in 11 of 12 samples
Netherlands - municipal effluent	1999				0.3		<-0.4	0.8	1	Vethaak, et al. 2002	Detected in 3 of 9 samples
Netherlands - untreated industrial wastewater	1999				2.4		<-0.7	21	1	Vethaak, et al. 2002	Detected in 5 of 6 samples
Netherlands - industrial effluent	1999				1.0		<-0.7	1.4	1	Vethaak, et al. 2002	Detected in 2 of 4 samples
Netherlands-WW Treatment effluent	N/A				0.8		0.6	2.1	4	van der Velde, et al.	
Netherlands-WW Treatment influent	N/A				2.9		1	9.6	4	van der Velde, et al.	
Netherlands-WW Treatment effluent	N/A						<-0.09	4.6	4	Belfroid et al., 1998; cited in VROM, 1998	
Netherlands-WW Treatment influent	N/A						<-0.09	6	4	Belfroid et al., 1998; cited in VROM, 1998	
Spain, Barcelona - untreated urban wastewater	N/A	1	3.8		3.8				1	Alzaga et al., 2003	
Spain, Barcelona - treated urban wastewater	N/A	1	6.0		6.0				1	Alzaga et al., 2003	
Spain - outflow of wastewater treatment plant	N/A	1	2.2		2.2				1	Gimeno et al., 2003	
Spain, south Catalonia - effluent from WW plant	2002?	1	2.10		2.10				1	Brossa et al., 2003	
Spain, Catalonia - Ter River basin; influent from STP	2001 (March)	5	0.015				<-0.03	<-0.03	4	Cespedes et al., 2006	Not detected at any of 5 locations
Spain, Catalonia - Ter River basin; effluent from STP	2001 (March)	5	0.7	1.2	<0.03		<-0.03	2.78	4	Cespedes et al., 2006	Detected at 2 of 5 locations
Spain, Catalonia - Llobregat R. basin; influent from STP	2001 (autumn)	4	2.5	4.2	0.59		0.07	8.86	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Catalonia - Llobregat R. basin; effluent from STP	2001 (autumn)	4	0.095				<-0.19	<-0.19	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Galicia - influent from STP	N/A	1	0.405		0.405				1	Polo et al., 2005	
Spain, Galicia - effluent from STP	N/A	1	0.303		0.303				1	Polo et al., 2005	
Spain - wastewater from urban collector	N/A	1	0.866		0.866				1	Polo et al., 2005	

Spain, Granada - urban wastewater influent	N/A	6	0.150	0.10	0.13	<0.120	0.3	1	Ballesteros et al., 2006	Detected in 3 of 6 samples
Spain, Granada - urban wastewater influent	N/A	6	0.010		<0.019	<0.019	<0.019	4	Zafra-Gomez et al., 2008	Not detected in any of 6 samples
Scotland - SEPA West Region - STW Effluent	1996	19	2.3	3.6	<1.8	<0.6	13.6	4	Pirie et al., 1996	Detected in 8 of 19 samples
Scotland - SEPA East Region - STW Effluent	1996	24	4.8	5.9	1.6	<0.9	19.5	4	Pirie et al., 1996	Detected in 12 of 24 samples
U.K. - STP effluent	1984	1						6	Fatoki and Vernon, 1990; cited in VROM, 1998	
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	2.54	3.52				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW primary tank effluent	2001-2002	23	2.26	3.47				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW trickle filter effluent	2001-2002	23	1.03	2.09				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW humus tank effluent	2001-2002	23	0.25	0.17				4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW reedbed effluent	2001-2002	23	0.33	0.32				4	Oliver et al., 2005	
Northern Europe										
Denmark - Water extract of sludge	N/A	19	2.67		1.5	0.2	10	4	Rytkfors, 1996	
Denmark - Aalborg East municipal WWTP, influent	N/A	3	20.48	4.74		15.34	24.67	4	Roslev et al., 2007	24 hour samples
Denmark - Aalborg East municipal WWTP, effluent	N/A	3	2.38	0.481		1.83	2.73	4	Roslev et al., 2007	24 hour samples
Denmark - Avedoere WWTP, influent	2002 (10-11)	3	2.2	0.6	2.5	1.5	2.6	4	Jacobsen et al., 2004	Grab samples
Denmark - Avedoere WWTP, effluent	2002 (10-11)	3	0.25		<0.50	<0.50	<0.50	4	Jacobsen et al., 2004	Grab samples
Denmark - Roskilde, car wash	1996-97	26	73	183		30	810	1	Vikelsøe et al., 1998	
Denmark - Roskilde, hospital	1996	6	36.6			<60	118	1	Vikelsøe et al., 1998	
Denmark - Roskilde, kindergarden	1996				<1000			1	Vikelsøe et al., 1998	
Denmark - Roskilde, industrial laundry	1996					<60		1	Vikelsøe et al., 1998	Not detected in 2 samples tested
Denmark - Roskilde, WWTP inlet	1996	10	32			43	273	1	Vikelsøe et al., 1998	Identified below limit of detection of 60 ug/L
Denmark - Herlev, adhesives industry	1996					<1000	86000	1	Vikelsøe et al., 1998	
Denmark - Roskilde WWTP - inlet	May-99	1	1.03			nd	1.03	4	Fausser et al., 2001	Mean 0.28 ug/L in supernatant; 0.33 ug/L settled
Denmark - Roskilde WWTP - outlet	May-99	7	0.91	1.09	0.18	0.18	2.5	4	Fausser et al., 2001	
Finland, 4 STPs - influent	1998-2001					3	9	2	Martinen et al., 2003a	
Finland, 4 STPs - effluent	1998-2001					<1	6	2	Martinen et al., 2003a	
Norway, Bekkelaget Plant Slurry	1996	1	0.01		<0.02			1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Inflow	1996	1	0.178		0.178			1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Outflow	1996	1	0.270		0.27			1	NIVA, 1996	
Norway, Fuglevik Plant Slurry	1996	1	0.044		0.044			1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Inflow	1996	1	0.827		0.827			1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Outflow	1996	1	1.540		1.54			1	NIVA, 1996	
Norway, Veas Plant Slurry	1996	1	0.840		0.84			1	NIVA, 1996	
Norway, VEAS Sewage Plant Inflow	1996	1	0.115		0.115			1	NIVA, 1996	
Norway, VEAS Sewage Plant Outflow	1996	1	0.030		<0.06			1	NIVA, 1996	
Sweden - Göteborg-carwash effluent	1990-92					<1	1000	4	Paxeus, 1996a	
Swedish POTW effluent	89-91					0.1	2	4	Paxeus, et al., 1992	
Swedish POTW Influent	89-91					10	200	4	Paxeus, et al., 1992	
Swedish POTW Influent	89	4	36.3					4	Paxeus, et al., 1992	
Swedish POTW Influent	90	4	86					4	Paxeus, et al., 1992	
Swedish POTW Influent	91	8	75					4	Paxeus, et al., 1992	
Sweden - municipal wastewater influent	1996					1	5	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - municipal wastewater effluent	1996					<0.01	1	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - industrial wastewater	1990					<0.1	3000	4	Paxeus and Avergard, 1992	8 large industries
Sweden - domestic wastewater	1988					<0.1	20	4	Mattson et al., 1991	2 residential areas
		384	12			<0.01	86000			
Germany - Baden-Württemberg, STP effluent	1998-99	15	0.56	0.531		ND	1.0	3	Spengler, et al. 2001	Data from 18 STPs; high levels in blanks (not corrected for)
Italy, northern - WWTP effluent	2007 (Jan-May)	6	0.109	0.105	0.069	0.0351	0.3111	3	Bicchi et al., 2009	
Sweden- WWTP effluent	1993-94	3	13			6	22	3	Paxeus, 1996b	Meas. at 3 plants.
Sweden Pig Slurry	1989	3	37,000		37000			3	Kirchmann and Tengsved, 1991	
Canada										
Alberta industrial surface water	84-89	580	2.90	4.95	1	0.01	64	4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.242	0.468	0.054	0.0161	1,385	1	Alberta Environment, 2005	
Effluent organic chemical plants						<1.0	61	4	Health Canada, 1994a	
Wastewater						<1.0	94	4	Health Canada, 1994a	
Wastewater						1	100	4	Health Canada, 1994a	
Wastewater						2	56	4	Health Canada, 1994a	PACE, 1995
Wastewater		19	0.5			<1.0		4	Health Canada, 1994a	Rogers et al.; average assumed 1/2 DL
		607	2.8			0.01	100			
Japan/Asia										
China, Beijing - municipal STP, secondary effluent	N/A	1	54.3		54.3			4	Li et al., 2005	
China, Beijing - municipal STP, secondary effl. after treatment	N/A	1	4.9		4.9			4	Li et al., 2005	Treatment by ozone and biological activated carbon
China, Beijing - municipal STP, secondary effl. after treatment	N/A	1	3.3		3.3			4	Li et al., 2005	Treatment by activated carbon, ozone and biological activated carbon
China, Beijing - Gaobeidian WWTP effluent	2006	1	0.67		0.67			4	Li et al., 2008	
China, Harbin municipal STP, raw sewage	2007 (May)	1	6,411		6,411			4	Kong et al., 2008	
China, Harbin municipal STP, primary sedimentation effluent	2007 (May)	1	5,053		5,053			4	Kong et al., 2008	
China, Harbin municipal STP, anaerobic tank effluent	2007 (May)	1	3,535		3,535			4	Kong et al., 2008	
China, Harbin municipal STP, aerobic tank effluent	2007 (May)	1	3,974		3,974			4	Kong et al., 2008	
China, Harbin municipal STP, secondary sedimentation effluent	2007 (May)	1	3,525		3,525			4	Kong et al., 2008	
China, Harbin municipal STP, coagulation tank effluent	2007 (May)	1	3,341		3,341			4	Kong et al., 2008	
China, Harbin municipal STP, air floatation tank effluent	2007 (May)	1	2,194		2,194			4	Kong et al., 2008	
China, Harbin municipal STP, filtration tank effluent	2007 (May)	1	2,674		2,674			4	Kong et al., 2008	
China, Tianjin - effluent from domestic STP	Oct 03-Sept 04	7	0.483			0.210	0.583	4	Wang et al., 2005	Influent to three stage treatment of reclaimed water
China, Tianjin - STP effluent after coagulation treatment	Oct 03-Sept 04	7	0.450			0.174	0.468	4	Wang et al., 2005	Effluent of first treatment stage
China, Tianjin - after continuous micro-membrane filtration treatment	Oct 03-Sept 04	7	0.343			0.153	0.413	4	Wang et al., 2005	Effluent of second treatment stage
China, Tianjin - after ozonation	Oct 03-Sept 04	7	0.250			0.140	0.320	4	Wang et al., 2005	Effluent of third treatment stage
Japan - POTW Effluent	N/A	10	0.1					4	Mitsubishi Chemical; in API 1998	Average assume 1/2 DL
Japan - POTW Influent	N/A					3	17	4	Mitsubishi Chemical; in API 1998	
Japan - Sewage inflow; Tama and Yodo Rivers	late 1998	10	2.4	2.2		1.1	4.4	2	MOC, 1999a and c	9 sewage treatment plants
Japan - Sewage inflow - 27 plants; Tohoku to Kansai Districts	winter 1999			1.6		<0.2	11	2	Nasu et al., 2001	Detected at 15 of 18 sites
Japan - Sewage inflow; Tama and Yodo Rivers	summer 1999	9	2.6	2.6		1.0	4.9	2	MOC, 1999a and c	9 sewage treatment plants
Japan - Sewage plant effluent; Tama and Yodo Rivers	early 1998	10	0.2	<0.2		<0.2	0.5	2	MOC, 1999a and c	9 sewage treatment plants; trace conc. (<0.6) at 4 of 10 sites
Japan - Sewage plant effluent; Tama and Yodo Rivers	late 1998	10	0.1	<0.2		<0.2	0.2	2	MOC, 1999a and c	9 sewage treatment plants; trace conc. (<0.6) at 2 of 10 sites
Japan - Sewage effluent - 27 plants; Tohoku to Kansai Districts	winter 1999			<0.2		<0.2		2	Nasu et al., 2001	Not detected at any of 18 sites
Japan - Sewage plant effluent; Tama and Yodo Rivers	summer 1999	9	0.1	<0.2		<0.2	0.2	2	MOC, 1999a and c	9 sewage treatment plants; trace conc. (<0.6) at 2 of 9 sites
Japan, Tokyo - influent sewage	N/A					1.3	9.5	4	cited in Suzuki, et al. 2001	
Japan, Tokyo - effluent sewage	N/A					<0.2	<0.2	4	cited in Suzuki, et al. 2001	
		98	1.60			0.14	54.3			
Other										

Australia, South East Queensland - WWTP influent	2004 (Nov)	1	0.0374	0.0374					4	Tan et al., 2008	
Australia, South East Queensland - WWTP influent	2005 (March)	1	0.0247	0.0247					4	Tan et al., 2008	
Egypt, 10th of Ramadan - ind. & domestic influent	NA					0.040	0.065		4	Ahmed, et al. 1999	
Egypt, 10th of Ramadan - ind. & domestic effluent	NA					0.040	0.055		4	Ahmed, et al. 1999	
Nigeria, Obafemi Awolowo University; sewage lagoon	2002-2003	30	95,700	32,135	10,830	1,205,000			3	Ogunfowokan et al., 2006	Monthly samples for 8 months

Sludge Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Data Quality	Reference	Comments	
		N	Average	SD	Median		Low	High				
USA												
USA: Activated Sludge	1983	1	280,000						4	Hannah et al. 1986	in ECPI	
USA: Activated Sludge	1983	1	1						4	Homing et al. 1984	in ECPI	
USA: Primary Sludge	1986	1	820						4	Desmirjian et al. 1987	in ECPI	
USA: Primary Sludge	1981	1	2,400			20	138,000		4	Drescher-Kaden et al. 1987	in ECPI	
USA: Primary Sludge	1983	1	1,150						4	Hannah et al. 1986	in ECPI	
USA: Primary Sludge	1980	1	104,000			78	3,200,000		4	Jacobs et al. 1983, Drescher-Kaden et al. 1987	in ECPI	
USA: Primary Sludge	1982	1	3,500			320	17,000		4	Nylor et al. 1982; Drescher-Kaden et al. 1987	in ECPI	
US Sludge	83-89	7	55,982	206,391	256,397	48,000		20	3,200,000	4	ATSDR Hazdat, 1998	
California, Playa del Rey - Hyperion wastewater treat. plant	N/A					255,400			4	Gavala et al., 2003	Units are ug/L; industrial source	
Central Europe/UK												
Baden-Wuerttemberg Sludge	1987						670	4,000	4	CLUA, 1987	in ECPI	
Baden-Wuerttemberg Sludge	1987	1	20,000				7,000	40,000	4	Schonberger, 1990	in ECPI	
Belgium - Roeselare; WWTP	2001	6	330		280		210	480	4	ECPI, 2001	dry wt.	
France - Toulouse - Ginevroux treatment plant	N/A	1	16,280				14,810	17,900	4	Stabylrolles et al. 2005	dry wt.	
France, Mame Aval - WWTP, centrifuged sludge	2006 (May)	10	90						1	Dargat et al., 2009	dry wt.	
German Sludge- SF extraction	N/A	1	1,520	180					4	Kolb et al. 1997		
German sludge-100 day digestion	N/A	1	2,480	190					4	Kolb et al. 1997		
German sludge-100 day digestion	N/A	1	870	70					4	Kolb et al. 1997		
German sludge-25 day digestion	N/A	1	2,850	150					4	Kolb et al. 1997		
German sludge-25 day digestion	N/A	1	2,070	130					4	Kolb et al. 1997		
German sludge-25 day digestion	N/A	1	1,580	140					4	Kolb et al. 1997		
German Sludge-shake extraction	N/A	1	1,410	130					4	Kolb et al. 1997		
Germany - Brandenburg; domestic - summer	1993	9	2,200		1,800		<200	5,800	1	Schnaak and John , 1994	95th percentile = 4700	
Germany - Brandenburg; domestic - winter	1994	9	36,000		27,000		23,000	66,000	1	Schnaak and John , 1994	95th percentile = 62000	
Germany - Brandenburg; municipal - summer	1993	11	2,100		1,500		<200	5,300	1	Schnaak and John , 1994	95th percentile = 5200	
Germany - Brandenburg; municipal - winter	1994	11	39,000		25,000		10,000	84,000	1	Schnaak and John , 1994	95th percentile = 75000	
Germany - Brandenburg; small industrial - summer	1993	5	38,000		3,700		2,100	150,000	1	Schnaak and John , 1994		
Germany - Brandenburg; small industrial - winter	1994	5	18,000		15,000		14,000	24,000	1	Schnaak and John , 1994		
Germany -Northeast Bavaria-Primary Sludge	1989	9	35,300		4,100		2,300	236,000	1	Zurmuhl, 1990		
Germany - 15 sewage sludge samples	1997				500		200	1700	4	Fromme, et al. 2002	dry wt.	
Germany, Dresden - STP	N/A	1	9,700			9,700			4	Petrovic and Barcelo, 2000		
Netherlands-Sewage Sludge	N/A	7	4,500	3,600					4	Hoogheemraadschap West-Brabant, 1989	Don't know sampling dates; very high s.d.	
Portugal, near Porto - STP	N/A	1	700			700			4	Petrovic and Barcelo, 2000		
Spain - Catalonia; Igualada, Montornes, Abrera STPs	N/A	3	950	926	600		250	2,000	4	Petrovic and Barcelo, 2000		
Switzerland-Sludge	<1985						950	10,100	4	Drescher-Kaden et al. 1987	in ECPI	
Switzerland - domestic	1999?	4	586		429		228	1257	2	Berset and Etter-Holzer, 2001		
Switzerland - domestic, storm water, small amt. ind.	1999?	6	508		412		308	1025	2	Berset and Etter-Holzer, 2001		
Switzerland - domestic, storm water, lrg amt. ind.	1999?	2	378				193	562	2	Berset and Etter-Holzer, 2001		
UK Sewage Sludge	N/A				10,000		200	430,000	4	Wild and Jones, 1992		
UK - Ashford, mesophilic anaerobically dig. dewatered from WWTP	N/A	1	393			393			1	Gibson et al., 2005		
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	970	100					4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges	
Northern Europe												
Bekkelaget Plant Sludge	1996					0			1	NIVA, 1996		
Denmark - Aalborg East municipal WWTP, dewatered sludge	N/A	3	1,190	270			1,000	1,370	4	Roslev et al., 2007	Dry wt. basis	
Denmark - 2 STPs	N/A						340	350	4	Kjogh and Petersen, 1987; cited in VROM, 1998		
Denmark - Sewage sludge	N/A	20	3,883		300		20	26,000	4	Rytkfors, 1996		
Denmark - Roskilde WWTP - primary sludge	May-99	1	650	250		650			4	Fausser et al., 2001	Dry wt. basis	
Denmark - Roskilde WWTP - secondary sludge	May-99	1	160			160			4	Fausser et al., 2001	Dry wt. basis	
Finland, 4 STPs - prim., sec., digested sludge	1998-2001						<1000	4000	2	Martinen et al., 2003a	Dry wt.	
Fuglevik Plant Sludge	1996	1	0.37			1			1	NIVA, 1996		
Oslo-sludge	N/A	1	13,000						4	Kveseth, 1980	in WHO, 1997	
Sewage Sludge-Norway	N/A	1	8,900			8,900			4	Blom, 1993	in KEMI	
Sewage Sludge-Sweden	N/A	3	71,000	50,000			26,300	125,500	4	Blom, 1993	in KEMI	
Sewage Sludge-Sweden	N/A	27	40,500				10,000	126,000	4	Linusson, 1992	in KEMI	
Veas Plant Sludge	1996	1	0.135			0.135			1	NIVA, 1996		
		200	14,671				0.135	430,000				
Belgium - Negenmanneke; WWTP; domestic	2002	3	0.44		0.36		0.33	0.64	4	ECPI, 2002	Units are ug/L	
Canada												
Canada P.S. Sludge	<1983	1	57,000				38,000	134,000	4	Drescher-Kaden et al. 1987	in ECPI	
Canadian Sludge	93-94						3,600	12,300	2	Webber et al. 1996		
Hamilton and Winnipeg Sludge	80-85	9	56,700				200	161,000	4	Webber and Lesage, 1989		
Canadian Sludge	93-94	72	6,840				780	12,300	4	Webber and Nichols, 1995		
Vancouver area; 5 wastewater treatment plants	1999 (Mar-Aug)	20	150	150			<20	460	4	Bright and Healey, 2003	Det. in 17 of 20 samples; 95th perc = 420	
		102	10,419				<20	161,000				
Japan/Asia												
China, Beijing - Gaobeidian WWTP	1998-99	1	2,200			2,200			4	Cai et al., 2007a	Activated sludge treatment; 50% domestic, 50% industrial sewage	
China, Lanzhou - Qilhe WWTP	1998-99	1	2,100			2,100			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment	
China, Xi'an - Beishiqiao WWTP	1998-99	1	540			540			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment	
China, Wuxi - Lucun WWTP	1998-99	1	1,600			1,600			4	Cai et al., 2007a	Activated sludge treatment	
China, Guangzhou - Datansha WWTP	1998-99	1	3,700			3,700			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 60% domestic, 40% ind. sewage	
China, Foshan - Zhen'an WWTP	1998-99	1	3,100			3,100			4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 90% domestic, 10% ind. sewage	
China, Zhuhai - Xiangzhou WWTP	1998-99	1	6			6			4	Cai et al., 2007a	Oxidizing ditch treatment; 65% domestic, 35% industrial sewage	
China, Shenzhen - Binhai WWTP	1998-99	1	39			39			4	Cai et al., 2007a	Oxidizing ditch treatment; 60% domestic, 40% industrial sewage	
China, Dapu - Dapu WWTP	1998-99	1	280			280			4	Cai et al., 2007a	Activated sludge treatment	
China, Shatian - Shatian WWTP	1998-99	1	400			400			4	Cai et al., 2007a	Activated sludge treatment	
China, Yuanlang - Yuanlang WWTP	1998-99	1	380			380			4	Cai et al., 2007a	Activated sludge treatment	

11 1,304 6 3,700

China - composted municipal sludge	N/A	1	760	760			4	Cai et al., 2007b	Manual-turned composting	
China - composted municipal sludge	N/A	1	150	150			4	Cai et al., 2007b	Inoculate-manual-turned composting	
China - composted municipal sludge	N/A	1	20	20			4	Cai et al., 2007b	Continuously aerated composting	
China - composted municipal sludge	N/A	1	300	300			4	Cai et al., 2007b	Intermittently aerated composting	
Other										
Australia, South East Queensland - WWTP raw influent	2005 (March)	1	138	138			4	Tan et al., 2008		
Australia, South East Queensland - WWTP anaerobic sludge	2004 (Nov)	1	16.3	16.3			4	Tan et al., 2008		
Australia, South East Queensland - WWTP anaerobic sludge	2005 (March)	1	51.5	51.5			4	Tan et al., 2008		
Australia, South East Queensland - WWTP aerobic sludge	2004 (Nov)	1	6.10	6.10			4	Tan et al., 2008		
Australia, South East Queensland - WWTP aerobic sludge	2005 (March)	1	16.4	16.4			4	Tan et al., 2008		
Australia, South East Queensland - WWTP anoxic sludge	2004 (Nov)	1	12.7	12.7			4	Tan et al., 2008		
Australia, South East Queensland - WWTP anoxic sludge	2005 (March)	1	12.1	12.1			4	Tan et al., 2008		
Australia, Melbourne sewage	1994	1	3.2	2		<1	8	4	Wilkie, et al, 1996	
Australia, Melbourne treatment infl	1994	1	5					4	Wilkie, et al, 1996	
Morocco - lagooning sludge	N/A	1	1660	1660				4	Amir et al., 2004	
Morocco - activated sludge	N/A	1	390	390				4	Amir et al., 2004	
Germany - liquid manure	1997					50	2970	4	Fromme, et al. 2002	ug/kg dry wt.
Non-Canadian sludges						<1000	3210000	4	Webber and Lesage, 1989	in WHO, 1997
PAE plant-disch pond	N/A		0.2					4	Peterson and Freeman, 1984	in WHO, 1997
Rainwater-St. Tonis	1992	12	1.1					1	Furtmann, 1993	Units are Average Deposition ug/m2
Sewage Sludge-Eur, US, Canada	N/A					2000	500000	4	Alcock and Jones, 1993	in KEMI

Municipal Solid Waste											
Location	Date	N	Concentration as ug/g			Single Point	Range		Data Quality	Reference	Comments
			Average	SD	Median	Low	High				
Japan/Asia											
India, Chennai - fresh MSW	N/A	2	3564.32			196.2	6932.44	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure	
India, Chennai - MSW, partially degraded	N/A	2	693.895			264.85	1122.94	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure	
		4	2129			196.2	6932				

Drinking Water											
Location	Date	N	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments
			Average	SD	Median	Low	High				
USA											
California, south - 4 water filtration plants	2001-02	15	0.18		<1.35	<1.35	2.73	1	Loraine and Pettigrove, 2006	Det. in 1 of 15 samples	
Seattle DW	N/A	1	0.01		0.01			4	USEPA, 1987		
Storet Data-DW	78-87	65	6.7			0.2	10	4	USEPA, 1987		
Ottumwa DW	N/A	1	0.1		0.1			4	USEPA, 1987		
Philadelphia DW	N/A	1	0.05		0.05			4	USEPA, 1987		
Storet Data-DW	78-87	1043	4.480			0.5	50	4	USEPA, 1987		
		1126	4.5			0.01	50				
New York Public Water Wells	N/A	39					470	4	USEPA, 1987	maximum extraneous	
Europe											
Croatia - bottled mineral water; PET bottle	N/A	9	11.33			<0.04	50	4	Bosnir et al., 2007	No preservative; pH = 5.82	
Czech Republic, Prague - tap water	N/A	2	0.05			0.05	0.05	1	Prokupkova et al., 2002		
Czech Republic, Prague - bottled mineral water	N/A	2	0.28			0.18	0.37	1	Prokupkova et al., 2002	Glass bottles, metal caps with PVC inserts	
Czech Republic, Prague - bottled spring water	N/A	2	0.13			<0.1	0.2	1	Prokupkova et al., 2002	PET bottles	
Denmark, Roskilde - tapwater in NERI lab	1996	1	0.38		0.38			1	Vikelsøe et al., 1998		
Germany, Leipzig - drinking water	N/A	1	0.2		0.2			1	Luks-Betlej et al., 2001	Detection limit = 0.005 ug/L	
Greece, Chania, Crete - Tap water	N/A	2	0.74			0.44	1.04	1	Psalidakis and Kalogerakis, 2003		
Greece, Chania, Crete - Bottled mineral water	N/A	4	0.26			0.08	0.51	1	Psalidakis and Kalogerakis, 2003	PET bottles with a push-pull closure	
Italy - bottled water (glass)	N/A				0.04			4	Montuori et al., 2008	71 samples; 25th perc = 0.02 ug/L; 75th perc = 0.09 ug/L	
Italy - bottled water (PET)	N/A				0.23			4	Montuori et al., 2008	71 samples; 25th perc = 0.17 ug/L; 75th perc = 0.52 ug/L	
Italy - bottled water (glass and PET)	N/A	142	0.21					4	Montuori et al., 2008		
Poland, Katowice - drinking water	N/A	1	0.64		0.64			1	Luks-Betlej et al., 2001	Detection limit = 0.005 ug/L	
Portugal, Lisbon - tap water	N/A	1	0.52		0.52		0.35	1	Serodio and Nogueira, 2006	Detection limit = 0.04 ug/L	
Portugal, Lisbon - bottled mineral water	N/A	1	0.35					1	Serodio and Nogueira, 2006	Detection limit = 0.04 ug/L	
Spain, Catalonia - public water fountains	N/A	7	0.001		<0.003	<0.003	0.032	1	Casajuand and Lacorte, 2003	Detected in 3 of 7 samples	
Spain - bottled water - PET bottles	N/A	10	0.029		0.023	<0.003	0.070	1	Casajuand and Lacorte, 2003	Tested before and after 10 weeks storage	
Spain - bottled water - PE bottles	N/A	6	0.024		0.014	<0.003	0.072	1	Casajuand and Lacorte, 2003	Tested before and after 10 weeks storage	
Spain - bottled water - glass bottles	N/A	2	0.0015		<0.003	<0.003	<0.003	1	Casajuand and Lacorte, 2003	Not detected in any of 2 samples	
Spain - bottled mineral water	N/A							1	Polo et al., 2005	Det. Limit = 0.026 ug/L; LOQ not specified	
Spain, south Catalonia - tap water	2002?	1	1.34		1.34			1	Brossa et al., 2003		
Spain - tap water	2001?	1	0.3		0.3			4	Brossa et al., 2002		
Sweden	1994-95					0.01	0.5	4	Bergstedt et al., 1999 cited in Paxeus, 1999	39 samples	
		195	0.71			<0.003	50				
Italy - bottled mineral water	N/A	5	1.8			0.45	3.48	3	Signorile et al., 2007		

Canada											
Location	Date	N	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments
			Average	SD	Median	Low	High				
Alberta Drinking Water	87-98	705	0.8				0.14	8	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Ottawa, ON - bottled water (polycarbonate)	2007	1	1.717			1.717		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (glass)	2006	1	0.170			0.170		1	Cao, 2008	Carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.182			0.182		1	Cao, 2008	Carbonated water	
Halifax, NS - bottled water (glass)	2006	1	0.175			0.175		1	Cao, 2008	Carbonated water	
Halifax, NS - bottled water (glass)	2006	1	0.107			0.107		1	Cao, 2008	Carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.104			0.104		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.099			0.099		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.096			0.096		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.075			0.075		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.317			0.317		1	Cao, 2008	Non-carbonated water	
Halifax, NS - bottled water (PETE)	2006	1	0.092			0.092		1	Cao, 2008	Non-carbonated water	
		716	0.79			0.075	8				
Alberta rural data points (subset)	87-98	354	0.732	0.658	0.5	0.14	8	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)	
Alberta urban data points (subset)	87-98	351	0.850	0.834	0.5	0.18	7	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)	

Japan/Asia

China, Jinan (Shandong Province) - tap water	2007 (Aug)	1	0.22		<0.43			4	Zhao et al., 2008	
China, Wuhan - tap water	N/A	6	0.6					4	Xu, et al. 2007	
China - bottled mineral water	N/A	6	4.6					4	Xu, et al. 2007	
China, Wuhan - tap water	N/A	1	0.32		<0.64			4	Liang et al., 2008	
China, Wuhan - bottled mineral water	N/A	1	5.4		5.4			4	Liang et al., 2008	
China, Beijing - Haidian District - tap water	2006	1	0.07		<0.13			4	Li et al., 2008	
Japan - Kakogawa drinking water	1993-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's; units?
Japan - Kakogawa drinking water	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Kakogawa drinking water	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Kakogawa drinking water	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Kakogawa tap water	1999-2007	10	0.2		<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L
Japan - Osaka drinking water	1993-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's
Japan - Osaka drinking water	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Osaka drinking water	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Osaka drinking water	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Osaka, Nishiyodogawa-ku tap water	1999-2007	10	0.2		<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L
Japan - Tokyo Tap Water	1973	12	1.7		0.71	3.1		2	Monita et al, 1974; Verschuren, 1983	
Japan - Tokyo drinking water	1993-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's
Japan - Tokyo drinking water	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Tokyo drinking water	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Tokyo drinking water	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Yokohama drinking water	1993-94	3	0.5					4	Ass Plas Ind Japan, 1995	LOD=0.001 mg/L, 3 ND's
Japan - Yokohama drinking water	1995	1	0.5					4	Ass Plas Ind Japan, 1996	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Yokohama drinking water	1996	1	0.5					4	Ass Plas Ind Japan, 1997	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Yokohama drinking water	1997	1	0.5					4	Ass Plas Ind Japan, 1998	ND assumed = 1 ug/L; average = 1/2 LOD
Japan - Yokohama, Sakae-ku tap water	1999-2007	10	0.2		<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L
Japan - Sumida-ku tap water	1999-2007	10	0.2		<0.2	<1		4	CERI, 2007	Det. limit 0.2 and 1 ug/L
		92	0.8		<0.13	5.4				
Kitakyushu Tap Water-Japan	1980	1	240					4	Shinohara et al, 1981	maximum extraneous
China - Beijing, tap water	N/A				<4.7			4	Cai et al., 2003	Elevated detection limit
Other										
Water-deionized	N/A	1	0.101		0.101			4	Takeuchi and Ishii, 1981	
Water-distilled	N/A	1	0.0015		0.0015			4	Takeuchi and Ishii, 1981	
Water-Tap	N/A	1	0.014		0.014			4	Takeuchi and Ishii, 1981	
		3	0.039			0.0015	0.101			
Waters	N/A					0.00003	0.08	4	Giam, et al, 1987	
Total		2132	2.8			0.0015	50			

Food Type	Date	Concentration as ug/g				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
BEVERAGES											
Apple Juice	87-89	1	0.56		0.56			1	Page and Lacroix, 1995	values corrected for blanks	
Beer	87-89	1	0.09		0.09			1	Page and Lacroix, 1995	values corrected for blanks	
Fruit juice-citrus, canned	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g	
Fruit juice-citrus, frozen	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g	
Grape Juice (bottled)	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.04 to 0.05 ug/g	
Tea	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g	
Coffee- instant	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g	
Soft drinks	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g	
Beer	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g	
Wines	1986	1	0.025		ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g	
Wine - Italy, commercial, glass bottles, n =26	N/A				0.053		<0.058	0.244	1	Del Carlo et al., 2008	Det. Freq = 90%
Wine - Italy, commercial, polyethylene coupled film brick, n=10	N/A				0.115		<0.058	0.240	1	Del Carlo et al., 2008	Det. Freq = 85%
Wine - Italy, private wine producers, glass bottles, n=16	N/A				<0.058		<0.058	0.125	1	Del Carlo et al., 2008	Det. Freq = 56%
Wine - Italy, experimental pilot plant, glass bottles, n=8	N/A	8	0.029		<0.058		<0.058	<0.058	1	Del Carlo et al., 2008	Not detected
Wine -10 varieties, Spain	N/A	10	0.00161	0.00153	0.00132		0.0003	0.00537	2	Carillo et al., 2008	Det. in all 10 wines; variety of containers/closures
Mineral Water	1978	1	0.025			0.025			4	van Vliet et al, 1979	
Orange Juice		1	0.35			0.35			4	Health Canada, 1994a	
Japanese beverages	1998	23	0.034	0.059				0.275	1	Yano et al., 2002	incl. wine, beer, juice, bottled water
Sake - Japan	2000-2001				0.001		<0.001	0.006	1	Tsumura et al., 2002	LOD=0.001; 5 samples
Wine - Japan	2000-2001	3	0.22		0.007		0.001	0.66	1	Tsumura et al., 2002	LOD=0.001
Beer - Japan	2000-2001	3	0.444		<0.066		<0.066	0.066	1	Tsumura et al., 2002	LOD=0.066
Sports drink, green tea, beer - Japan	N/A						ND	ND	2	Kataoka et al., 2002	9 samples; detection limit not reported
Coffee - Japan	N/A	3	0.054	0.004					2	Kataoka et al., 2002	
Fruit mix - Japan	N/A	3	0.110	0.001					2	Kataoka et al., 2002	
Korean beverages	1998	23	0.023	0.042					1	Yano et al., 2002	incl. wine, beer, juice, bottled water
Soft drinks - Croatia; PET bottle	N/A	9	0.01289				<0.00004	0.060	4	Bosnir et al., 2007	Preserved with orthophosphoric acid; pH = 2.82
Soft drinks - Croatia; PET bottle	N/A	14	0.02129				<0.00004	0.133	4	Bosnir et al., 2007	Preserved with sodium benzoate; pH = 2.75
Soft drinks - Croatia; PET bottle	N/A	5	0.009				<0.00004	0.025	4	Bosnir et al., 2007	Preserved with potassium sorbate; pH = 2.88
Soft drinks - Croatia; PET bottle	N/A	8	0.02675				<0.00004	0.130	4	Bosnir et al., 2007	Preserved with sodium benzoate & potassium sorbate; pH = 2.82
Liquid food consumed by children in day cares in N.C., U.S.	1997	4	0.0061				<0.000040	0.0234	4	Wilson, et al. 2003	Det. in 2 of 4 samples; composite 48 h samples
Liquid food consumed by children at home in N.C., U.S.	1997	9	0.0104				<0.000040	0.0556	4	Wilson, et al. 2003	Det. in 4 of 9 samples; composite 48 h samples
		137	0.035				<0.000040	0.66			
Tea, dry - purchased in USA	N/A						0.66	0.81	1	Zhang et al., 2008	Dry tea - not prepared for drinking
CEREAL											
Cereals	N/A	1	0.5		0.5				2	MAFF Report #60, May 1995	N=1, Food Item measured
Cereal, cooked oatmeal	1986	1	0.1		0.1				1	Page and Lacroix, 1995	
Cereal, cooked wheat	1986	1	0.3		0.3				1	Page and Lacroix, 1995	
Cereal, corn	1986	1	0.1		0.1				1	Page and Lacroix, 1995	
Cereal, wheat and bran	1986	1	0.5		0.5				1	Page and Lacroix, 1995	
		5	0.30				0.1	0.5			
DAIRY (excl. milk)											
Cheese, cheddar	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	32.6% fat; detection limit assumed to be 0.1 ug/g
Cheese, cottage	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	3% fat; detection limit assumed to be 0.1 ug/g
Cheese, processed	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	17.7% fat; detection limit assumed to be 0.1 ug/g

Cheese - Switzerland	1991-96	1	0.295		0.295			4	Kuchen, et al. 1999		
Cheese - Japan	2000-2001	3	0.0075	<0.015		<0.015	<0.015	1	Tsumura et al., 2002	LOD=0.015	
Cheese, sliced - Japan	N/A	3	0.137	0.003				2	Kataoka et al., 2002		
Cream, Germany	N/A	6	0.03					4	Bruns-Weller and Pfordt, 2000		
Cream	1986	1	0.05			<0.1	0.07	4	Page and Lacroix, 1995	17.1% fat; detection limit assumed to be 0.1 ug/g	
Ice cream - Japan	2000-2001	3	0.01	<0.020		<0.020	<0.020	1	Tsumura et al., 2002	LOD=0.020	
Ice cream	1986	1	0.05			<0.1		1	Page and Lacroix, 1995	16.0% fat; detection limit assumed to be 0.1 ug/g	
Yogurt	1986	1	0.05			<0.1		1	Page and Lacroix, 1995	8.6% fat; detection limit assumed to be 0.1 ug/g	
		22	0.06			<0.01	0.295				
EGGS											
Eggs	1993	2	0.1					2	MAFF Report #82, March, 1996	Prepared for consumption	
Eggs	1986	1	0.08					4	Health Canada, 1994a		
Egg	1986	1	0.05			<0.1		1	Page and Lacroix, 1995	MDL for meat, fish and poultry is 0.1 ug/g	
Eggs-Japan	1977	7	0.098					1	Ishida, et al, 1981		
Eggs-Japan	N/A						0.05	0.09	4	Yano, 1979	
		11	0.09				0.05	0.1			
FATS & OILS											
Butter	N/A							4	11	Morita, et al.	
Butter - Canada	N/A	12	1.8			<1.0	8.9	1	Page and Lacroix, 1992	values corrected for blanks	
Butter - Canada	1986	4	1.5			1.5		1	Page and Lacroix, 1995	values corrected for blanks	
Butter-Core	N/A	1	2					4	Morita, et al.		
Butter-Surface	N/A	1	11				11	4	Morita, et al.		
Butter - Switzerland	1991-96	1	0.19					4	Kuchen, et al. 1999		
Cooking Fats and Salad Oils - Canada	1986	1	0.25			ND		1	Page and Lacroix, 1995	MDL likely 0.5 ug/g	
Fats-core	N/A						1.4	8.7	2	MAFF Report #60, May 1995	Food Item measured
Fats-outer	N/A						1.5	8.4	2	MAFF Report #60, May 1995	Food Item measured
Margarine	N/A	8	3.5			<1.0	10.6	1	Page and Lacroix, 1992	values corrected for blanks	
Margarine	1986	1	0.64			0.64		1	Page and Lacroix, 1995		
Butter - Japan	2000-2001	3	0.14			<0.28	<0.28	1	Tsumura et al., 2002	LOD=0.28	
Margarine - Japan	2000-2001	3	0.095			<0.28	<0.28	1	Tsumura et al., 2002	LOD=0.28	
Fat spread - Japan	2000-2001	3	0.095			<0.28	<0.28	1	Tsumura et al., 2002	LOD=0.28	
Vegetable oil - Japan	2000-2001	8	0.026	<0.051		<0.051	2.4	1	Tsumura et al., 2002	LOD=0.051	
Salad oil - Japan	N/A	3	0.162	0.022				2	Kataoka et al., 2002	3 samples; detection limit not provided	
Margarine - Japan	N/A	3	1.530	0.068				2	Kataoka et al., 2002	3 samples; detection limit not provided	
Olive oil, extra virgin - Italy	N/A	6	0.137	0.118	<0.149	<0.149	0.368	2	Cavaliere et al., 2008	Detected in 2 of 6 samples	
Olive oil, refined and virgin - Italy	N/A	6	0.168	0.14	0.085	<0.149	0.394	2	Cavaliere et al., 2008	Detected in 3 of 6 samples	
Olive oil + pomace oil - Italy	N/A	4	0.273	0.189	0.264	<0.149	0.490	2	Cavaliere et al., 2008	Detected in 3 of 4 samples	
Rapeseed oil - Czech Republic; freshly pressed	N/A					0.14	2.10	4	Harazim et al., 2008	Details of analysis, blanks, etc. not available	
Rapeseed oil - Czech Republic; following 21 d storage in plastic tank	N/A					1.22	2.93	4	Harazim et al., 2008	Details of analysis, blanks, etc. not available	
		68	1.2			<0.051	11				
Olive oil - UK; DBP + DiBP	N/A	15				<0.024	0.190	3	Bradley et al., 2007	Exptl study, evaluated migration from non-stick cookware; heated for 30 to 90 min.	
FISH											
Fish - Japan	1974					0.013	2.0	4	Japan MOE, 2003	Wet wt.; detected in 114 of 332 samples; det. limit 0.01 to 0.87 ug/g	
Fish - Japan	1996			<0.04		0.05	0.3	4	Japan MOE, 2003	Wet wt.; detected in 9 of 30 samples; det. limit 0.04 ug/g	
Arctic Char - Austrian alps, Lake Schwarzsee ob Soelden (remote)	2002?	1	0.25		<0.5			4	Krautter and Seidl, 2002	wet weight	
Fish	N/A	1	0.18					4	Giam, et al, 1987		
Crab-Houston Ship Channel	1995					0.091	1.701	4	Armstrong et al., 1995		
Crab-San Jacinto River	1995					0.652	4.022	4	Armstrong et al., 1995		
Clams	N/A					0.04	0.1	4	Ray et al, 1983	in WHO, 1997	
Fish	N/A							2	MAFF Report #60, May 1995	Food Item measured	
Fish, freshwater	1986	4	0.5			0.5		1	Page and Lacroix, 1995	values corrected for blanks	
Canned fish	1986	1	0.05			<0.1		1	Page and Lacroix, 1995		
Shellfish	1986	1	0.05			<0.1		1	Page and Lacroix, 1995		
Fish-factory frozen halibut, pollack, salmon	87-89	3	0.05			<0.1	<0.1	1	Page and Lacroix, 1995	wet basis	
Fish/shellfish-Puget Sound	N/A	1	0.89			0.89		4	US Dept of Health, 1995	Dry Wt.	
Fish-freshwater	N/A					0.03	0.08	4	Yano, 1979		
Fish - various species - Japan	1998	141	0.0125	<0.025		<0.025	<0.025	4	JEA, 1999	Not detected at any of 141 sites	
Fish-Houston Ship Channel	1995					0.24	1.639	4	Armstrong et al., 1995		
Salmon	N/A					0.037	0.037	4	Giam, et al, 1987		
Rainbow Trout	N/A	3	0.6			0.6		4	Morita, et al.		
Whole Fish-US Great Lakes	80-81						<0.02	35	4	DeVault, 1985	
Tuna	N/A	1	0.078			0.078		4	Giam, et al, 1987		
Fish-Marine	N/A						0.01	0.15	4	Yano, 1979	
Fish-San Jacinto River	1995					0.347	0.478	4	Armstrong et al., 1995		
Canned Salmon	N/A	1	0.037			0.037		4	Williams, 1973		
Canned Tuna	N/A	1	0.078			0.078		4	Williams, 1973		
Fish cake - Japan	N/A							2	Kataoka et al., 2002	3 samples; detection limit not provided	
Fish sausage - Japan	N/A	3	0.586	0.035				2	Kataoka et al., 2002		
Fish, Korea - nationwide survey; 31 samples	N/A						ND	0.1864	4	Choi et al., 2001	Wet wt.; Detected in 72.6% samples
Fish - Switzerland	1991-96	1	0.170			0.170		4	Kuchen, et al. 1999		
Fish, muscle - Netherlands	1999			0.031		<0.00071	0.15	1	Vethaak, et al. 2002	Detected in 14 of 27 samples; median calc. using detected values only	
Mussels, whole body - Netherlands	1999			0.365		0.03	1.9	1	Vethaak, et al. 2002	Detected in 12 of 12 samples	
Bream - NL; 0.1% fat	1998	1	0.0009			0.0009		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.5% fat	1998	1	0.0002			<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Bream - NL; 0.2% fat	1998	1	0.0002			0.0002		1	David and Sandra, 2001	Wet wt	
Bream - NL; 1.6% fat	1998	1	0.0002			<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Roach - NL; 0.8% fat	1998	1	0.0002			<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Bream - NL; 0.1% fat	1998	1	0.0022			0.0022		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.2% fat	1998	1	0.0009			0.0009		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0002			<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Roach - NL; 0.7% fat	1998	1	0.0045			0.0045		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.5% fat	1998	1	0.0041			0.0041		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0015			0.0015		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.4% fat	1998	1	0.0006			0.0006		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.0% fat	1998	1	0.0010			0.0010		1	David and Sandra, 2001	Wet wt	
White bream - NL; 0.8% fat	1998	1	0.0058			0.0058		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.6% fat	1998	1	0.0027			0.0027		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.4% fat	1998	1	0.0005			0.0005		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.5% fat	1998	1	0.0265			0.0265		1	David and Sandra, 2001	Wet wt	

Bream - NL; 1.4% fat	1998	1	0.0063		0.0063		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0016		0.0016		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.6% fat	1998	1	0.0023		0.0023		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.7% fat	1998	1	0.0024		0.0024		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.3% fat	1998	1	0.0055		0.0055		1	David and Sandra, 2001	Wet wt	
Bream - NL; 5.1% fat	1998	1	0.0002		<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Roach - NL; 2.6% fat	1998	1	0.0175		0.0175		1	David and Sandra, 2001	Wet wt	
Roach - NL; 2.8% fat	1998	1	0.0440		0.0440		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.77% fat	2000	1	0.0055		0.0055		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.98% fat	2000	1	0.0058		0.0058		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.58% fat	2000	1	0.0064		0.0064		1	David and Sandra, 2001	Wet wt	
Molluscs - NL	2000	3	0.062	0.047		0.026	0.112	1	David and Sandra, 2001	Wet wt
Invertebrates - NL	2000	3	0.346	0.351		0.259	0.429	1	David and Sandra, 2001	Wet wt
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0013					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00070					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0106					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada -Blue Mussels	1999	9	0.0082					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada-Pacific Oysters	1999	9	0.0082					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Geoduck Clams	1999	9	0.0073					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Manila Clams	1999	9	0.0069					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada -Dungeness Crabs	1999	9	0.019					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada -Purple Seastar	1999	9	0.0039					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C., Canada -Juvenile Shiner Perch	1999	9	0.0073					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Pacific Herring	1999	9	0.0082					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%
False Creek harbour, B.C., Canada -Pile Perch	1999	9	0.0056					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Striped Seaperch	1999	9	0.0050					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada -Pacific Staghorn Sculpin	1999	9	0.0074					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada -English Sole	1999	9	0.0112					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C., Canada -Whitespotted Greenling	1999	9	0.0077					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada -Spiny Dogfish- muscle	1999	9	0.017					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C., Canada -Spiny Dogfish- liver	1999	9	0.055					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada -Spiny Dogfish- embryo	1999	9	0.053					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C., Canada -Surf Scoters	1999	9	0.015					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Striped seaperch muscle - Vancouver, Canada	2001?	378	0.046			0.0017	0.0227	4	Lin et al. 2003	9 samples; wet weight
						<0.0004	35			
Channel catfish-Iowa	N/A	1	0.2		0.2			3	Mayer, et al. 1972	
FRUITS										
Fruits, packaged	N/A	13	0.035			<0.04	0.12	1	Page and Lacroix, 1995	detected in 3 of 13 samples; MDL likely 0.04 to 0.2 ug/g
Fruits-Japan	N/A					0.01	0.16	4	Yano, 1979	
Dried Fruits	N/A	1	0.01		<0.02			2	MAFF Report #60, May 1995	Food Item measured
Fruit - with core (apple, pears, etc.) - Switzerland	1991-96	1	0.048		0.048			4	Kuchen, et al. 1999	
Fruit - soft (grapes, etc.) - Switzerland	1991-96	1	0.016		0.016			4	Kuchen, et al. 1999	
Fruit - citrus and tropical - Switzerland	1991-96	1	0.020		0.020			4	Kuchen, et al. 1999	
		17	0.032			0.01	0.16			
GRAINS										
Bread, White	1986	1	0.09		0.09			1	Page and Lacroix, 1995	
Bread, Whole Wheat	1986	1	0.1		0.1			1	Page and Lacroix, 1995	
Bread - Switzerland	1991-96	1	0.790		0.790			4	Kuchen, et al. 1999	
Grains - Switzerland	1991-96	1	2.100		2.100			4	Kuchen, et al. 1999	
Flour, wheat	1986	1	1.9		1.9			1	Page and Lacroix, 1995	
Muffins	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pancakes	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta	1986	1	0.03		0.03			1	Page and Lacroix, 1995	
Pasta, dry	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Lasagna, dry - purchased in USA	N/A	1	0.005		<0.01			1	Zhang et al., 2008	
Rice - purchased in USA	N/A	1	0.13		0.13			1	Zhang et al., 2008	
Rice	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Rice, pasta - Switzerland	1991-96	1	0.420		0.420			4	Kuchen, et al. 1999	
Rolls/biscuits	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta	N/A	1	0.01		<0.02			2	MAFF Report #60, May 1995	Food Item measured
Flour	N/A	1	0.2		0.2			2	MAFF Report #60, May 1995	Food Item measured
Dry noodles - Japan	2000-2001	3	0.025	0.015		<0.015	0.051	1	Tsumura et al., 2002	LOD=0.015
Rice - Japan	N/A	3	0.119	0.016				2	Kataoka et al., 2002	
Rice + wrap film - Japan	N/A	3	0.167	0.005				2	Kataoka et al., 2002	
		25	0.28			<0.01	2.1			
Tortilla flour	82-91	1	42.5		42.5			4	KAN-DO Office, 1995	
Dried Barley Grain-Fertilizer	1989	3	0.084		0.084			3	Kirchmann and Tengsved, 1991	
Dried Barley Grain-Pig Slurry	1989	3	0.14		0.14			3	Kirchmann and Tengsved, 1991	
Dried Barley Grain-Sewage sludge	1989	3	0.08		0.08			3	Kirchmann and Tengsved, 1991	
MEAT										
Beef-Japan	N/A					0.03	0.05	4	Yano, 1979	
Beef, steak - Canada	1986	1	0.05		<0.1			1	Page and Lacroix, 1995	
Beef, ground - Canada	1986	1	0.05		<0.1			1	Page and Lacroix, 1995	
Beef - Switzerland	1991-96	1	0.090		0.090			4	Kuchen, et al. 1999	
Meat	N/A	1	0.1					4	Giam, et al. 1987	
Meat - UK	N/A	1	0.05		0.05			2	MAFF Report #60, May 1995	Food Item measured
Meats, frozen, packaged - Canada	87-89	3	2.5			<0.1	7.3	1	Page and Lacroix, 1995	values corrected for blanks
Carcass Meat - UK	1993	2	0.09					2	MAFF Report #62, March, 1996	Prepared for consumption
Meat balls - Japan	N/A	3	0.430	0.021				2	Kataoka et al., 2002	
Pork-Japan	N/A					0.04	0.09	4	Yano, 1979	
Pork, fresh - Canada	1986	1	0.05		<0.1			1	Page and Lacroix, 1995	
Veal cutlets - Canada	1986	1	0.05		<0.1			1	Page and Lacroix, 1995	
Veal - Switzerland	1991-96	1	0.060		0.060			4	Kuchen, et al. 1999	
		16	0.59			0.03	7.3			
MILK										
Milk - Canada, Whole, 3.3% fat	1986	1	0.005		<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada; 2%	1986	1	0.005		<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada, Skim	1986	1	0.005		<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g

Evaporated Milk, canned - Canada; 7.6% fat	1986	1	0.005		<0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g	
Milk - Canada ; collected at farm - hand milked	N/A	6	0.00639			0.00407	0.00979	1	Feng et al., 2005	Ave. fat = 3.56 %	
Milk - Canada; collected at farm - machine milked	N/A	6	0.00579			0.00410	0.00963	1	Feng et al., 2005	DEHP present in the PVC tubing; Ave. fat = 4.02%	
Cow's milk - Germany; hand milked	N/A	1	0.029		0.029			1	Gruber, et al, 1998		
Cow's milk - Germany; Machine	N/A	1	0.034		0.034			1	Gruber, et al, 1998		
Milk - Germany (truck)	N/A	3	0.02			0.02	0.02	4	Bruns-Weller and Pfordt, 2000		
Milk - Germany (farm)	N/A	3	0.02			-0.01	0.03	4	Bruns-Weller and Pfordt, 2000		
Milk - Germany (3.5% fat)	N/A	4	0.02			-0.01	0.05	4	Bruns-Weller and Pfordt, 2000		
Milk - Germany (1.5% fat)	N/A	1	0.01		0.01			4	Bruns-Weller and Pfordt, 2000		
Milk - Japan	2000-2001	3	0.005		<0.010	-0.010	-0.010	1	Tsumura et al., 2002	LOD=0.010	
Skim Milk - Japan	N/A	1	0.2		0.2			4	Morita, et al., 1973		
Milk - Japan	N/A	1	0.05		0.05			4	Morita, et al., 1973		
Milk - Netherlands; direct from cows	1998	29	0.004		0.004	0.001	0.010	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7	
Milk - Netherlands; direct from cows	2000	3	0.007		0.007	0.006	0.008	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0	
Milk - South Korea; raw bovine milk	N/A	30	0.030			<0.002	0.099	1	Kim et al., 2009	Detected in 67% of samples	
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.0073	0.0009				1	Casajuana and Lacorte, 2004	3% fat	
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.00949	0.001				1	Casajuana and Lacorte, 2004	3% fat	
Milk - Spain - whole, HDPE bottles	2003	2	0.0503	0.0014				1	Casajuana and Lacorte, 2004	3% fat	
Milk - Spain - whole, HDPE bottles	2003	2	0.0406	0.0054				1	Casajuana and Lacorte, 2004	3% fat	
Milk - Switzerland	1991-96	1	0.020		0.020			4	Kuchen, et al. 1999		
Milk - UK	1993	2	0.003					2	MAFF Report #82, March, 1996		
		107	0.018			0.001	0.2				
NUTS/BEANS											
Nuts	N/A	3	0.31			0.12	0.57	4	Bruns-Weller and Pfordt, 2000		
Bean	1986	1	0.045		ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g	
Peanut butter, peanut	1986	1	0.045		ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g	
Baked bean	1986	1	0.045		ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g	
		6	0.18			<0.09	0.57				
OTHER FOODS											
Cakes	1986	1	0.1		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g	
Chocolate bars	N/A					0.2	9.2	4	Castle et al, 1989	36 samples	
Crackers	1986	1	0.6		0.6			1	Page and Lacroix, 1995	values corrected for blanks	
Cookies	1986	1	0.62		0.62			1	Page and Lacroix, 1995		
Danish/Donuts	1986	1	0.1		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g	
Pie, apple	1986	1	0.04		0.04			1	Page and Lacroix, 1995		
Pie, blueberry	1986	1	0.1		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g	
Pizza	1986	1	0.1		ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g	
White sugar	1986	1	0.2		0.2			1	Page and Lacroix, 1995		
Syrup (bottled)	1986	1	0.005		ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g	
Jam	1986	1	0.005		ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g	
Honey	1986	1	0.005		ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g	
Pudding (instant)	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Candy - chocolate bars	1986	1	0.25		ND			1	Page and Lacroix, 1995	MDL likely 0.5 ug/g	
Candy - other than chocolate bars	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Gelatin dessert	1986	1	0.09		0.09			1	Page and Lacroix, 1995		
Snack Products	N/A					0.02	14.1	4	Castle, et al, 1989	11 samples	
Soup - meat (canned)	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Soup - pea	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Soup - tomato	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Soup - onion	1986	1	0.05		ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g	
Cravy and Parmesan Cheese	N/A					0.8	62	2	MAFF Report #60, May 1995	5 food items measured	
Ice Lollipop	N/A	1	0.04		0.04			2	MAFF Report #60, May 1995	Food item measured	
Bakery Products/snacks	N/A					<0.02	0.9	2	MAFF Report #60, May 1995	5 food items measured	
Confectionery	N/A					<0.02	5.8	2	MAFF Report #60, May 1995	7 food items measured	
Sugar	N/A	1	1.6		1.6			2	MAFF Report #60, May 1995	Food item measured	
Processed Food	N/A					0.15	0.24	4	Yano, 1979		
Tempura batter						0.39	17.7	4	Health Canada, 1994a		
Sugar		1	0.2					4	Health Canada, 1994a		
Gelatin dessert		1	0.09					4	Health Canada, 1994a		
Instant cream soup						1.73	60.37	4	Health Canada, 1994a		
Fried potato cake		1	1.11					4	Health Canada, 1994a		
Pickles		1	0.11					4	Health Canada, 1994a		
Various packaged foods							0.5	30.8	4	Health Canada, 1994a	
Cookies - purchased in USA	N/A	1	0.04		0.04			1	Zhang et al., 2008		
Sugar - purchased in USA	N/A	1	0.33		0.33			1	Zhang et al., 2008		
Cookies - Japan	2000-2001	3	0.035	0.027		<0.015	0.07	1	Tsumura et al., 2002	LOD=0.015; 3 samples	
Chocolate - Japan	2000-2001	3	0.014	<0.015		<0.015	0.027	1	Tsumura et al., 2002	LOD=0.015; 3 samples	
Softy pastry - Japan	2000-2001	3	0.0075	<0.015		<0.015	<0.015	1	Tsumura et al., 2002	LOD=0.015; 3 samples	
Hamburger set - Japan	2000-2001	3	0.050	<0.099		<0.099	<0.099	1	Tsumura et al., 2002	LOD=0.099; 3 samples	
Gyu-don (boiled rice with spiced beef & onion) - Japan	2000-2001	3	0.1	<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2; 3 samples	
Pizza - Japan	2000-2001	3	0.1	<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2; 3 samples	
Retort-pouched food - Japan	2000-2001	11	0.050	<0.099		<0.099	<0.099	1	Tsumura et al., 2002	LOD=0.099; 11 samples	
Noodle soup, pickles, fruit jelly, potato chip - Japan	N/A					ND	ND	2	Kataoka et al., 2002	12 samples; detection limit not provided	
Convenience lunch - Japan	N/A	3	0.172	0.008				2	Kataoka et al., 2002		
		59	0.14			<0.01	62				
POULTRY											
Poultry	1993	2	0.2					2	MAFF Report #82, March, 1996	Prepared for consumption	
Poultry	1986	1	0.05		<0.1			1	Page and Lacroix, 1995		
Chicken, whole packaged frozen	87-89	1	0.05		<0.1			1	Page and Lacroix, 1995		
		4	0.13			<0.1	0.2				
PROCESSED MEAT											
Meats, non-frozen, packaged	87-89	10	0.69			<0.1	6.2	1	Page and Lacroix, 1995	values corrected for blanks	
Cold cuts, luncheon meat, pork (cured)	1986	3	0.05	<0.1				1	Page and Lacroix, 1995		
Corned beef - Japan	N/A	3	0.076	0.005				2	Kataoka et al., 2002		
Meat products - Switzerland	1991-96	1	0.280		0.280			4	Kuchen, et al. 1999		
Meat products - Switzerland	1991-96	1	0.070		0.070			4	Kuchen, et al. 1999		
		18	0.42			0.07	6.2				

DBP

VEGETABLES

Lettuce,salad - Switzerland	1991-96	1	0.100			4	Kuchen, et al. 1999			
Potato - Switzerland	1991-96	1	0.610			4	Kuchen, et al. 1999			
Deep-fried tofu - Japan	N/A				ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided	
Vegetable Burger Mix	N/A	1	10				2	MAFF Report #60, May 1995	Food Item measured	
Vegetables, packaged	N/A	18	0.08			ND	0.63	1	Page and Lacroix, 1995	detected in 2 of 18 samples; MDL likely 0.09 to 0.2 ug/g
		21	0.58			0.10	10			

TOTAL DIET SAMPLES

Denmark - 24 h daily diet	1998?	29	0.09			<-0.03		1	Petersen and Breindahl, 2000	Mean ranges btw. 0.09 and 0.19 ug/g depending on treatment of non detects	
Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)			< 0.01		< 0.01	0.124	4	Fromme et al., 2007b	Detected in 98 of 350 samples (28%); det. limit 0.01 ug/g fresh wt.	
U.S. - North Carolina; composite food sample	1997	10	0.218			0.144	0.363	4	Wilson, et al. 2001	Daily meals at 10 child day care centres	
U.S., N.C. - Solid food consumed by children in day cares	1997	4	0.0356			0.00539	0.073	4	Wilson, et al. 2003	Composite of meals consumed over 48 h	
U.S., N.C. - Solid food consumed by children at home	1997	9	0.0205			0.00275	0.0574	4	Wilson, et al. 2003	Composite of meals consumed over 48 h	
Japan,Osaka - Set lunches from 10 restaurants	1999					ND	0.019	1	Tsumura et al., 2001b	Detected in 4 of 10 samples	
Japan,Osaka - Packed lunches from 10 stores	1999-2000					ND	0.090	1	Tsumura et al., 2001b	Detected in 10 of 16 samples	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.01125		<-0.0225	<-0.0225	<-0.0225	1	Tsumura et al., 2001a	Detection limit 0.0225 ug/g	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.0081		<-0.0044	<-0.0044	0.048	1	Tsumura et al., 2001a	Detection limit 0.0044 ug/g	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.006	0.0039	0.005	<-0.0016	0.0180	1	Tsumura et al., 2001a	Detection limit 0.0016 ug/g	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.002		<-0.0116	<-0.0116	0.015	1	Tsumura et al., 2003	Detection limit 0.0116 ug/g	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.004		<-0.0151	<-0.0151	0.061	1	Tsumura et al., 2003	Detection limit 0.0151 ug/g	
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.0071	0.008	0.0045	<-0.0023	0.027	1	Tsumura et al., 2003	Detection limit 0.0023 ug/g	
Taiwan, Taipei - packaged lunch	N/A	3	0.056	0.014	0.048		0.047	0.072	4	Chen et al., 2008	
		181	0.034			<-0.0016	0.363				
Taiwan - packaged lunch; microwaved 3 min. plastic wrap covering bowl	N/A	3	1.850	1.307	1.914		0.513	3.124	4	Chen et al., 2008	
Taiwan - packaged lunch; microwaved 3 min. plastic wrap touching food	N/A	3	1.769	1.615	2.294		0.434	2.579	4	Chen et al., 2008	

INFANT FORMULA - powder

Whey Formula-1	1996	2	0.4					2	MAFF Rpt-83, March, 1996	
Whey Formula-2	1996	2	0.18					2	MAFF Rpt-83, March, 1996	
Whey Formula-3	1996	2	0.19					2	MAFF Rpt-83, March, 1996	
Whey Formula-4	1996	2	0.13					2	MAFF Rpt-83, March, 1996	
Whey Formula-5	1996	2	0.25					2	MAFF Rpt-83, March, 1996	
Soy Formula-1	1996	2	0.11					2	MAFF Rpt-83, March, 1996	
Soy Formula-2	1996	2	0.12					2	MAFF Rpt-83, March, 1996	
Casein Formula-1	1996	2	0.19					2	MAFF Rpt-83, March, 1996	
Casein Formula-2	1996	2	0.13					2	MAFF Rpt-83, March, 1996	
Casein Formula-3	1996	2	0.08					2	MAFF Rpt-83, March, 1996	
Casein Formula-4	1996	2	0.09					2	MAFF Rpt-83, March, 1996	
Casein Formula-5	1996	2	0.33		0.33			2	MAFF Rpt-83, March, 1996	
Infant Formula-BF1, whey powder	1998	2	0.0575	0.0575		<-0.05	0.09	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.06	0.06		0.06	0.06	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.025			<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Premium, whey powder	1998	4	0.036	0.036		<-0.05	0.07	1	MAFF Rpt-168, December, 1998	detected in 1 of 4 samples
Infant Formula-C&GI, soya powder	1998	2	0.025			<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.025			<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.025			<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.0375			<-0.05	0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-MA, whey powder	1998	2	0.065	0.065		0.06	0.07	1	MAFF Rpt-168, December, 1998	
Infant Formula-MM, casein powder	1998	2	0.0525			<-0.05	0.08	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.025		<-0.05	<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.025		<-0.05	<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMAW, soya powder	1998	2	0.025		<-0.05	<-0.05	<-0.05	1	MAFF Rpt-168, December, 1998	
Infant formula - Japan	2000-2001			0.14		0.013	0.25	1	Tsumura et al., 2002	LOD=0.002; 6 samples
Baby formula-Germany	N/A	8	0.042					1	Gruber, et al, 1998	
Baby milk powder - Japan	2001-2002	3	0.077					1	Yano et al., 2005	
Baby milk powder - Taiwan	2001-2002	3	0.051					1	Yano et al., 2005	
Baby milk powder - Indonesia	2001-2002	3	0.032					1	Yano et al., 2005	
Baby milk powder - 11 countries in Asia, Europe, N.America	2001-2002					0.015	0.077	1	Yano et al., 2005	
		76	0.085			0.013	0.4			

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.0029			<-0.003	0.007	1	MAFF Rpt-168, December, 1998	detected in 1 of 4 samples
Reconstituted infant formulae - Denmark	1998?					<-0.01		1	Petersen and Breindahl, 2000	Not detected in any of 11 samples; detection limit varies btw. samples
Reconstituted infant formula - Spain - powder in can	2003	2	0.0184	0.0002				1	Casajuana and Lacorte, 2004	
Infant formula - U.S. - six brands	N/A					ND	0.011	4	McNeal et al 2000	Cited in Casajuana and Lacorte, 2004
		6	0.008			<-0.003	0.011			

BREAST MILK

Mother's milk - Canada, Kingston, Ontario	2003-2004	86	0.00087	0.00046		<0.00012	0.011	1	Zhu et al., 2006	Detected in 85 of 86 samples; geo. mean = 0.00051 ug/g
Mother's milk-Germany	N/A	5	0.035					1	Gruber, et al, 1998	
Mother's milk-Germany	N/A	5	0.03			0.01	0.05	4	Bruns-Weller and Pfordt, 2000	
Mother's milk-Japan	N/A					0.02	0.08	4	Yano, 1979	
Sweden - 2 to 3 wks after delivery; age 23 to 39 y	2001	42	0.0028	0.0034	<0.003	<-0.003	0.02	4	Hogberg et al., 2008	Detected in 12 of 42 samples; det. limit = 0.003 ug/g; 75th perc = 0.0031 ug/g
		138	0.0037			<-0.00012	0.08			

BABY FOOD

Baby food-Germany	N/A	7	0.033					1	Gruber, et al, 1998	
Baby food-Germany	N/A	5	0.02			<-0.01	0.03	4	Bruns-Weller and Pfordt, 2000	
Ready to use, glass jarred - Denmark	1998?					<-0.01	0.04	1	Petersen and Breindahl, 2000	Above limit of determination in 1 of 11 samples
Retort-pouched baby food - Japan	2000-2001				<0.003	<-0.003	0.011	1	Tsumura et al., 2002	LOD=0.003; 13 samples
Baby snack - Japan	2000-2001				<0.003	<-0.003	0.003	1	Tsumura et al., 2002	5 samples
		12	0.028			<-0.003	0.04			
Japan - baby food; various types of containers	2001					1.2	9.1	4	Ozaki et al., 2002	Units are ug per sample; detected in 7 of 16 samples

MISCELLANEOUS

Bergamot essential oil - Italy: mg/L	1999	N/A	1.51			nd	4.45	4	Di Bella et al., 2004	Detection limit not provided
Bergamot essential oil - Italy: mg/L	2000	N/A	1.65			nd	3.20	4	Di Bella et al., 2004	Detection limit not provided

Waters	N/A					0.00003	0.08	4	Giam, et al, 1987	
Marine Biota	N/A		<0.0001					4	Giam and Neff, 1978	

Retort, pouched foods	N/A					0.14	4	Giam, et al, 1987	
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Consumer Products											
Location/Type	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration as ug/g											
Japan/Asia											
China - bathing lotion	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - hair spray	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - perfume	N/A	2	259.5				234.8	284.2	4	Shen et al., 2007	
China - deodorant	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - shampoo	N/A	2	0.05				<0.1	<0.1	4	Shen et al., 2007	
China - nail polish	N/A	1	5289						4	Shen et al., 2007	
China - cream	N/A	4	2.02		<0.1			7.91	4	Shen et al., 2007	Detected in 1 of 4 samples
China - milk cleanser	N/A	2	0.05			<0.1		<0.1	4	Shen et al., 2007	
China - shrinking solution	N/A	1	0.05			<0.1			4	Shen et al., 2007	
		15	388				<0.1	5289			
Concentration in % w/w											
Europe											
Austria, Germany, Switzerland - PVC toys and childcare products	2007 (Jan-June)	5	6.4				0.5	15	4	Biedermann-Brem et al., 2008	Det. in 5 of 252 samples; conc. are for detected samples only
		5	6.4				0.5	15			

Vegetation											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/kg dry weight											
Plant leaf	N/A		NA				800	1000	4	Yano, 1979	
Lichen - arctic, Northwest Territories, Canada	2005 (July)	2	1100				800	1000	3	Naeth and Wilkinson, 2008	
							1070	1130			
Concentration in ug/kg wet weight											
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	8		<10		<10	74	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	58.5				<10	84	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
		55	9.8				<10	84			
Plankton - Japan	1974						<100	<5000	4	Japan MOE, 2003	Not detected in any of 4 samples; det. limit of 100 to 5000 ppb

Wildlife											
Location/Type	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/kg wet weight											
Japan - Carp	1998						<25	79	4	JEA, 1999	Detected in 27 of 145 samples
Japan - Domestic pigeons	1998				<25		<25	<25	4	JEA, 1999	Not detected in any of 31 samples
Japan - Red mice	1998				<25		<25	<25	4	JEA, 1999	Not detected in any of 30 samples
Japan - Raccoon dogs	1998				<25		<25	<25	4	JEA, 1999	Not detected in any of 15 samples
Japan - Cormorant eggs	2000	10	15.5				<31	<34	4	Japan MOE, 2001b	Detected in 0 of 10 samples
Japan - Cormorant chicks (pectoral muscle)	2000	30	5.3		5.6		<2.9	5.9	4	Japan MOE, 2001b	Detected in 3 of 30 samples
Japan - Cormorant, farm-raised (pectoral muscle)	2000	5	45		45		<2.6	80	4	Japan MOE, 2001b	Detected in 2 of 5 samples
Japan - Horse mackerel	2000	1	0.75			<1.5			4	Japan MOE, 2001b	Not detected in the 1 sample tested
Japan - Raptors - Black kite (pectoral muscle)	2000	20	11		8.1		2.8	32	4	Japan MOE, 2001b	Detected in 6 of 20 samples
Japan - Raptors - others (pectoral muscle)	2000	24	97		46		<3.1	290	4	Japan MOE, 2001b	Detected in 7 of 24 samples
Korea - Amphibians	N/A						ND	93.8	4	Choi et al., 2001	Wet wt.; 31 samples, detected in 35.5% samples
		90	34				<1.5	290			
Greenland - Polar bear liver	1999-2002						10.9	14.2	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - Minke whale liver	1998					10.7			3	Vorkamp et al., 2004	Not corrected for blanks
Faroe Islands - Pilot whale liver	2001						7.7	19.3	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Ringed seal liver	2002						2.5	10.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, west - Ringed seal liver	2002						5.4	10.3	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Shorthorn sculpin liver	2002						5.5	10.8	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%
Greenland, west - Shorthorn sculpin liver	2002						2.5	5.6	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%
Faroe Islands - Northern fulmar - fat tissue	1998-1999						13.2	28.7	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%

Human Blood											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/mL											
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.002	0.005	<0.002		<0.002	0.027	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 2 of 45 samples; 90th perc = <0.002
India, Hyderabad - adult women (mean age 30.9 y)	2005	135	0.11	0.21					4	Reddy et al., 2005	
Puerto Rico, San Juan - girls 6 mos to 8 y with thalassemia	1994-1998						ND	0.276	1	Colon et al., 2005	Det. in 13 of 41 samples; det. limit not reported; min. det. conc. = 0.015 ug/mL
Puerto Rico, San Juan - girls 6 mos to 10 y - control patients	1994-1998						ND	ND	1	Colon et al., 2005	Not detected in any of 35 samples; det. limit not reported
Sweden - women age 23 to 39 y; 3 to 4 wks after giving birth	2001	36	0.0012	0.0016	0.00078		<0.00043	0.0091	4	Hogberg et al., 2008	Detected in 25 of 36 samples; det. limit =0.00043 ug/mL; 75th perc = 0.0013
		216	0.069				<0.00043	0.276			
India, Hyderabad - infertile adult women with Stage I endometriosis	2005	35	0.19	0.17					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage II endometriosis	2005	26	0.29	0.23					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage III endometriosis	2005	14	0.52	0.18					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage IV endometriosis	2005	10	1.05	0.44					4	Reddy et al., 2006	

Human Urine											
Location	Date	N	Average	SD	Median	Single Point	Range		Data Quality	Reference	Comments
Concentration in ug/L											
Korea - children age 11-12 y	2003 (May)	150	58.5	44			<0.5	94.1	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 146 samples
Korea - women age 20-73 y	2003 (May)	150	49.4	42			<0.5	119.7	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 143 samples
		300	54.0				<0.5	119.7			
Concentration as ug/g creatinine											
Korea - children age 11-12 y	2003 (May)	150	46.4					91.4	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 146 samples
Korea - women age 20-73 y	2003 (May)	150	49.5					112	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 143 samples

300

48.0

112

Di-iso-butyl Phthalate (DIBP)

Surface Water											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
France, Seine River - upstream of WWTP	N/A	1	3.2			3.2			4	Bruchet et al., 2002	
France, Seine River - downstream of WWTP	N/A	1	4.4			4.4			4	Bruchet et al., 2002	
Germany - Rhine river; 8 locations	2001 (March)	8	0.953	0.633	0.745		0.41	2.4	4	Schwarzhauser & Heim, 2005	
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.092						2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.188						2	Cincinelli, et al., 2001	Sea-surface microlayer
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.043						2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.110						2	Cincinelli, et al., 2001	Sea-surface microlayer
Netherlands	1999				0.38		<0.05	2.4	1	Vethaak, et al. 2002	Detected in 75 of 87 samples; median calc. using detected values only
Spain - Duero River; upstream of discharge	N/A	1	0.5			<1			4	Salafranca, et al. 2003	
Spain - Duero River; 4 km downstream of discharge	N/A	1	5			5			4	Salafranca, et al. 2003	
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.25		<0.5		<0.5	<0.5	4	Pirie et al., 1996	Not detected in any of 3 samples
		27	0.8				0.043	5		Min. is a referenced average	
Netherlands - rivers	1998 (Aug-Oct)						30	60	3	van Stee et al., 2002	Contaminated by tubing used during sampling
Spain - Duero River; near discharge - wood industry, munic. wastewater	N/A	1	18			18			4	Salafranca, et al. 2003	
Spain - Duero River; downstream of discharge	N/A	1	9			9			4	Salafranca, et al. 2003	
Canada											
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.00005			<0.0001			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.009			0.009			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.00005			<0.0001			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.00005			<0.0001			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.00005			<0.0001			1	Alberta Environment, 2005	
B.C. - False Creek Harbour, sea water - total conc.	N/A	8	0.00515				0.0028	0.0094	1	Mackintosh et al., 2006	Detected in 8 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	8	0.00366				0.0020	0.0067	1	Mackintosh et al., 2006	Detected in 8 of 12 samples; average is for detected values
		21	0.0038				<0.0001	0.00942			
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.47		0.43		0.16	0.92	1	Zeng et al., 2005a	Det. in 100% samples
China, Taihu Lake - heavily industrialized area	2000	12	4.22				0.598	7.85	4	Wang, et al. 2003	Detected in 83% of samples
Japan - surface water	1974						0.16	1.2	4	Japan MOE, 2003	Detected in 38 of 375 samples; det. limit 0.01 to 1 ug/L
Japan - surface water	1996	33	0.10		<0.2		<0.2	<0.2	4	Japan MOE, 2003	Not detected in any of 33 samples
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000						<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000						<0.002	0.022	1	Suzuki, et al. 2001	Detected in 2 of 12 monthly samples
Japan, Tokyo - Tama River site #3	1999-2000						<0.002	0.011	1	Suzuki, et al. 2001	Detected in 1 of 12 monthly samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000						<0.002	0.033	1	Suzuki, et al. 2001	Detected in 1 of 12 monthly samples
Japan, Tokyo - Aki River	1999-2000						<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Asa River	1999-2000						<0.002	0.023	1	Suzuki, et al. 2001	Detected in 2 of 12 monthly samples
		60	1.02				<0.002	7.85			
Other											
Norwegian Coast - dissolved phase; marine	2004 (summer)	5	5.6E-05		1.8E-05		1.2E-05	2.04E-04	1	Xie et al., 2007	
Arctic - dissolved phase; marine	2004 (summer)	8	7.0E-06		5E-06		<5E-06	1.4E-05	1	Xie et al., 2007	
Central - dissolved phase; marine	2004 (summer)	3	3.E-06		<5E-06		<5E-06	<5E-06	1	Xie et al., 2007	
Ground Water											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Japan/Asia											
India, Chennai - groundwater near waste sites	N/A	2	0.006				<0.001	0.012	4	Swati et al., 2008	
		2	0.006				<0.001	0.012			
Landfill Leachate											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Japan/Asia											
China, Wuhan - leachate from 3 landfills	N/A	10	26.27				0.44	81.55	4	Zhang and Wang, 2009	
India, Chennai - leachate from waste sites	N/A	1	0.0005			<0.001			4	Swati et al., 2008	
		11	23.88				<0.001	81.55			

Legend

 Data, changes or comments added in 2009

 Also used in drinking water summary

 Excluded from calculated summary

 Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Other												
Brazil - Porto Alegre, Rio Grande do Sul - MSW leachate	N/A	1	65100		65100					4	dos Santos Freitas et al., 2004	
		1	65100					65100				

Sediments											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Netherlands	1999	36	0.1		0.045		<0.015	0.388	1	ALcontrol, 1999	Detected in 29 of 36 samples
Netherlands	1999				0.25		<0.4	1.7	1	Vethaak, et al. 2002	Detected in 3 of 21 samples; median calc. using detected values only
NL: Veenwoude	2000	1	0.1			0.1			1	David and Sandra, 2001	Dry wt; 13.87% dry mass
NL: Heerde	2000	1	0.01			<0.02			1	David and Sandra, 2001	Dry wt; 62.03% dry mass
NL: Vught	2000	1	0.04			0.04			1	David and Sandra, 2001	Dry wt; 51.60% dry mass
NL: Noordeinde	2000	1	0.04			0.04			1	David and Sandra, 2001	Dry wt; 50.73% dry mass
		40	0.09				<0.015	1.7			
Canada											
B.C. - marine sediments	N/A				0.0043		0.0009	0.0095	4	Mackintosh et al., 2002	Corrected for blanks; det. in all 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	17	0.0040				0.0020	0.0073	1	Mackintosh et al., 2006	
		17	0.004				0.0009	0.0095			
Japan/Asia											
China, Taihu Lake - heavily industrialized area	2000	12	3.93				1.33	6.52	4	Wang, et al. 2003	Detected in 67% of samples
China, Donghu Lake, Wuhan City, Hubei Province	2000	5	5.78		6.56		0.48	10.32	4	Wang, et al. 2002	
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	16.01		5.80		0.97	71.20	1	Zeng et al., 2008a	Top 10 cm; det. in 100% samples
Japan - bottom sediment	1974						0.00075	3.8	4	Japan MOE, 2003	Dry wt.; detected in 57 of 350 samples; det. limit 0.00005 to 0.1 mg/kg
Japan - bottom sediment	1996	33	0.01		<0.026		<0.026	<0.026	4	Japan MOE, 2003	Dry wt.; not detected in any of 33 samples
		65	4.87				0.00075	71.2			

Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	8	1.190				0.532	2.650	1	Mackintosh et al., 2006	
		8	1.190				0.532	2.650			
Europe											
Italy - Tyrrhenian Sea at Quercianella	1999	3	3.8						2	Cincinelli, et al., 2001	Sub-surface water; dry wt., conc. particulate matter = 3.9 mg/L
Italy - Tyrrhenian Sea at Quercianella	1999	3	11.0						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt., conc. particulate matter = 5.2 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	80						2	Cincinelli, et al., 2001	Sub-surface water; dry wt., conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	404						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt., conc. particulate matter = 72.5 mg/L
Netherlands	1999				0.18		<0.087	0.92	1	Vethaak, et al. 2002	Detected in 24 of 51 samples; median calc. using detected values only
		12	125				<0.087	404		Max. is a referenced average	
Concentration as ng/L											
Norwegian Coast - marine; 0.75 um fraction	2004 (summer)	5	0.0005		<0.001		<0.001	<0.001	1	Xie et al., 2007	Total suspended matter
Arctic - marine; 0.75 um fraction	2004 (summer)	8	0.0005		<0.001		<0.001	<0.001	1	Xie et al., 2007	Total suspended matter
Central - marine; 0.75 um fraction	2004 (summer)	3	0.0005		<0.001		<0.001	<0.001	1	Xie et al., 2007	Total suspended matter
		16	0.001				<0.001	<0.001			

Soil											
Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Netherlands	1998?	34	17		<15		<15	58	1	ALcontrol, 1999	Detected in 12 of 34 samples
		34	17				<15	58			
Japan/Asia											
China, Beijing suburbs - greenhouse soil, 9 samples	2001						300	900	4	Ma et al., 2003	0 to 20 cm depth
China, Beijing - 30 locations in urban areas	N/A	30	311	182	246		149	936	4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 274 ug/kg; dry wt
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	56		53		21	107	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 100% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	585		520		158	1140	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	71		60		17	221	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 100% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	273		59		32	1630	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 100% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	68		45		31	149	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 100% samples

China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	7150	8750	3590	193	24700	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	1590	1110	1420	184	3840	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	1690	2510	608	149	6960	1	Zeng et al., 2009	Top 5 cm; det. in 100% samples
		107	1586			17	24700			

Air		Concentration as ng/m3				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
USA												
Indoor												
Residential/office/personal exposure	2000	5	49				11	108	1	Rudel et al, 2001		Detected in 5 of 6 samples
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	86		61		11	990	2	Rudel et al, 2003		Detected in 100% of samples; detection limit = 2 ng/m3
New York City, indoor air - residences; 2 week samples	2001-2006	32	450						2	Adibi et al., 2008		*Average* is geo mean
New York City; personal air samples (48 h)	2001-2006	96	500		500		170	1430	2	Adibi et al., 2008		Det. in 100% samples; low and high are 5th and 95th perc.; ave. is geo mean
New York City - personal air samples (48 h)	2000 (Mar-July)	30	420	270	370		30	1300	1	Adibi et al., 2003		
		283	302				11	1430				
Europe												
Outdoor - vapour phase and total air												
Kortrijk-1 km upwind of incinerator	1998	1	5			5			1	RIC, 1998		
Kortrijk-100m from Greenhouse	1998	1	3			3			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-10m from Greenhouse	1998	1	15			15			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-1m from Greenhouse	1998	1	34			34			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-300m downwind of incin	1998	1	4			4			1	RIC, 1998		
Kortrijk-City Traffic	1998	1	101			101			1	RIC, 1998		
Kortrijk-Highway Traffic	1998	1	8			8			1	RIC, 1998		
Kortrijk-Outside Laboratory	1998	5	7						1	RIC, 1998		
Belgium - Rural area	1998?	3	43				3	6	1	Tienpont, et al. 2000		
Italy - near DBP processing plant	1999	2	55				50	60	1	RIC, 1999		
Germany, Geesthacht - GKSS Research Centre	N/A	6	1.27				0.31	2.77	1	Xie et al., 2006		Vapour; 5 m above ground
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	39				36.7	41.9	1	David and Sandra, 2001		Total air (vapour + aerosol); winter
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	22				19	25	1	David and Sandra, 2001		Summer
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	33				33	33	1	David and Sandra, 2001		Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	11				10.3	11.7	1	David and Sandra, 2001		Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	143				117	169	1	David and Sandra, 2001		Summer
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	9				9	10	1	David and Sandra, 2001		Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	22				19	26	1	David and Sandra, 2001		Summer
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	22				21.0	23.6	1	David and Sandra, 2001		Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	23				17	29	1	David and Sandra, 2001		Summer
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	11				11	11	1	David and Sandra, 2001		Winter
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	8				7	9	1	David and Sandra, 2001		Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	11				11.0	11.3	1	David and Sandra, 2001		Winter
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	5				3	7	1	David and Sandra, 2001		Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	45				35	55	1	David and Sandra, 2001		Winter
U.K., Birmingham - 10 m from busy road	1999-2000	24	5.8	2.62					4	Harrad et al., 2003		Sampled 24 times over a 1 y period; suspended partic. matter and vapour
U.K., Birmingham - University "green space"	1999-2000	24	8.06	15.18					4	Harrad et al., 2003		Sampled 24 times over a 1 y period; suspended partic. matter and vapour
		99	15				0.31	169				
Europe												
Outdoor - particulates												
Germany, Geesthacht - GKSS Research Centre	N/A	6	1.45				0.066	3.75	1	Xie et al., 2006		Particles; 5 m above ground
		6	1.45				0.066	3.75				
Austria, Mount Sonnblick Observatory (3 km elev.)	1996 (fall)	8	386.8		365.4				3	Grollert and Puxbaum, 2000		DIBP classed as "tentatively identified"
Austria, Mount Sonnblick Observatory (3 km elev.)	1997 (spring)	4	178.1		53.5				3	Grollert and Puxbaum, 2000		DIBP classed as "tentatively identified"
Italy - stack emission DBP processing plant	1999	1	200			200			1	RIC, 1999		
Italy - stack emission DBP/DEHP processing plant	1999	1	35640			35640			1	RIC, 1999		
Italy - unfiltered emission DBP/DEHP processing plant	1999	2	125845				87080	164610	1	RIC, 1999		
Italy - near DBP/DEHP processing plant	1999	2	165				50	280	1	RIC, 1999		100 m from production and exhaust
Kortrijk-PVC proc exhaust	1998	1	191321			191321			1	RIC, 1998		
Kortrijk-Incin Exhaust, filtered	1998	1	66			66			1	RIC, 1998		
Kortrijk-Incin Exhaust, unfiltered	1998	1	652			652			1	RIC, 1998		
Kortrijk-PVC proc prod unit	1998	1	1538			1538			1	RIC, 1998		

Indoor

Kortrijk-Inside Laboratory	1998	5	990					1	RIC, 1998	
Kortrijk-InsideGreenhouse	1998	1	226	226				1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-Underground Parking	1998	5	151		62	314		1	RIC, 1998	
Kortrijk-Underground Parking	1999	1	117	117				1	RIC, 1999	summer; parking not full
Kortrijk-Underground Parking	1999	1	173	173				1	RIC, 1999	summer; full capacity
Kortrijk-House w/15 year old PVC Floor	1998	1	397	397				1	RIC, 1998	
Kortrijk-House w/5 year old PVC Floor	1998	1	15610	15610				1	RIC, 1998	
Kortrijk - Sports Hall	1998	5	783		219	1454		1	RIC, 1998	
Kortrijk - Kindergarten	2000	2	713		689	737		1	RIC, 2000	
Kortrijk-Flooring shop	1998	1	9445	9445				1	RIC, 1998	
Inside Car 1	1998	1	213	213				1	RIC, 1998	
Inside Car 2-New	1998	1	42	42				1	RIC, 1998	
Inside Car 2-Old	1998	1	64	64				1	RIC, 1998	
Germany, Berlin - 59 apartments	2000-01	59	697	459	N/A	5887		4	Fromme et al., 2004	95th percentile = 1466 ng/m3
Germany, Berlin - 74 kindergartens	2000-01	74	610	505	N/A	2659		4	Fromme et al., 2004	95th percentile = 1522 ng/m3
Poland, Krakow - personal air samples (48 h)	2000-01	30	1000	1400	810	310	8100	1	Adibi et al., 2003	
		189	813		42	15610				
Italy - Inside DBP processing plant	1999	1	270	270				1	RIC, 1999	
Italy - Inside DBP/DEHP processing plant	1999	1	840	840				1	RIC, 1999	

Japan/Asia

Outdoor

China - Nanjing, daytime - measured as PM2.5	2004 (summer)	7	14	17	2.8	43		1	Wang, G. et al., 2007	Total PM2.5 = 128 ug/m3 (range 56 to 187)
China - Nanjing, nighttime - measured as PM2.5	2004 (summer)	7	97	19	1.0	49		1	Wang, G. et al., 2007	Total PM2.5 = 135 ug/m3 (range 43 to 176)
China - Nanjing, daytime - measured as PM2.5	2004 (winter)	7	13	8.5	7.5	31		1	Wang, G. et al., 2007	Total PM2.5 = 124 ug/m3 (range 97 to 162)
China - Nanjing, nighttime - measured as PM2.5	2004 (winter)	7	15	7.7	4.6	27		1	Wang, G. et al., 2007	Total PM2.5 = 113 ug/m3 (range 40 to 153)
Japan	1996				<2.5	3.3		4	Japan MOE, 2003	Detected in 1 of 18 samples; det. limit of 2.5 ng/m3
Japan, Osaka - measured outside car, 1.2 m above ground	2000-02	30	25		0.5	15		4	Yoshida and Matsunaga, 2006	Values read from graph
		58	75		0.5	49				
Japan - Ibaraki Prefecture	1991	1	21000	21000				3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50		<100	<100		3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	50		<100	<100		3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50		<100	<100		3	Watanabe, 2001	August; 30 m to 100 m above ground surface

Indoor

Japan - inside car; 1 d to 3 y after delivery	1999-2002	44	15		1.5	40		4	Yoshida and Matsunaga, 2006	Values read from graph
		44	15		1.5	40				

Other

Arctic, Alert - particle phase	1991 (Feb to June)	16	0.032	0.031	0.023	0.004	0.116	1	Fu et al., 2009	Weekly samples
Arctic - gas phase	2004 (summer)	6	0.250		0.137	0.096	0.549	1	Xie et al., 2007	
Arctic - particle phase	2004 (summer)	6	0.053		0.059	0.020	0.074	1	Xie et al., 2007	

South Africa, Nylsvley Nature Reserve (remote)	1997	2	30			2.6	3.4	3	Limbeck et al., 2001	High conc. measured on back-up filter
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Dust	Location	Date	Concentration as ug/kg dry weight				Single		Range		Data	Reference	Comments
			N	Average	SD	Median	Point	Low	High	Quality			
USA													
Indoor - One office sample, five residential samples		2000	6	1320	355			1050	2050	1	Rudel et al, 2001	Sieved to < 150 um	
Cape Cod, MA - 120 residences		1999-2001	119	2920		1.91E+03		<1000	3.91E+04	2	Rudel et al, 2003	Detected in 95% of samples; detection limit = 1000 ug/kg	
			125	2843				<1000	3.91E+04				
Central Europe													
Belgium - House Dust		N/A	12	1.06E+05		29500		12000	5.19E+05	4	David et al., 2001		
Belgium, Kortrijk-Dust in flooring shop-1		1998	1	3.63E+05			3.63E+05			1	RIC, 1998		
Belgium, Kortrijk-Dust in flooring shop-2		1998	1	1.22E+05			1.22E+05			1	RIC, 1998		
Belgium, Kortrijk-Dust in Sports Arena indoor		1998	1	5000			5000			1	RIC, 1998		
Belgium, Kortrijk-House Dust/15yr old PVC floor		1998	1	3.20E+04			3.20E+04			1	RIC, 1998		
Belgium, Kortrijk-House Dust/5yr old PVC floor		1998	1	8.50E+04			8.50E+04			1	RIC, 1998		
Belgium, Kortrijk - Kindergarten floor		2000	1	2.10E+04			2.10E+04			1	RIC, 2000		
Belgium, Kortrijk - Underground parking		1998	1	1000			1000			1	RIC, 1998		
Belgium, Kortrijk - Underground parking		1999	1	1900			1900			1	RIC, 1998		
Belgium - dust from homes & offices (69 locations); 2 mm fraction		2003	23	7.46E+04		5.68E+04		2.30E+04	2.31E+05	4	Greenpeace Belgium, 2004	23 individual and pooled samples	

France - house dust	2002	1	6.84E+04		6.84E+04				4	Santillo, et al. 2003	
Germany - House Dust	N/A	4	5.75E+04			1.00E+04	1.50E+05		4	Bruns-Weller and Pfordt, 2000	
Germany, Berlin - house dust, 30 apartments	2000-01	30	5.46E+04		3.75E+04	N/A	1.61E+05		4	Fromme et al., 2004	95th percentile = 144,400
Germany - North: house dust, 286 homes; 63 um fraction	N/A				3.40E+04				4	Butte et al, 2001 cited in Wensing et al 2005	95th percentile = 130,000
Germany - Hamburg; house dust, 65 homes; 63 um fraction	N/A				3.30E+04				4	Kersten & Reich, 2003 cited in Wensing et al	95th percentile = 78,000
Germany - house dust, 199 homes; 2 mm fraction	N/A				2.20E+04				4	Becker et al, 2002 cited in Wensing et al 20	95th percentile = 130,000
Netherlands - House dust	2001	115	1.86E+05	3.63E+05	1.01E+05		1.50E+04	3.15E+06	4	Greenpeace, 2001	90th percentile = 368,000
Netherlands - House dust	2001	12	1.03E+05	6.99E+04	8.60E+04		1.70E+04	2.27E+05	4	Greenpeace, 2001	90th percentile = 196,000
Netherlands - Office dust	2001	7	1.23E+05	5.40E+04	1.40E+05		4.50E+04	1.80E+05	4	Greenpeace, 2001	90th percentile = 174,000
Netherlands - Hospital, university, hotel dust	2001	3	7.40E+04	1.73E+04	6.50E+04		6.30E+04	94000	4	Greenpeace, 2001	90th percentile = 88,000
Spain - house dust	2002	1	3.76E+04			3.76E+04			4	Santillo, et al. 2003	
U.K. - house dust	2002 (Oct-Nov)	29	5.20E+04		4.32E+04		200	1.57E+05	4	Santillo, et al. 2003	Detected in all 29 samples
Northern Europe											
Denmark - house dust	2002	3	9367		8800		6100	1.32E+04	4	Santillo, et al. 2003	Detected in all 3 samples
Finland - house dust	2002	3	1.67E+04		1.87E+04		6100	2.53E+04	4	Santillo, et al. 2003	Detected in all 3 samples
Norway - House Dust- Oslo-Sedimented Dust	1992-93	38	1.00E+04				ND	3.00E+05	2	Oie et al., 1997	38 dwellings
Norway - House Dust- Oslo-Suspended Particulate Matter	1992-93						ND	ND	2	Oie et al., 1997	6 dwellings
Sweden - house dust; children's bedrooms	Oct 2001-Apr 2002	346	9.70E+04		4.50E+04				1	Bornehag et al., 2004	Detected in 290 samples; geo. mean = 56,000
Sweden - house dust	2002	2	2.10E+04		2.10E+04		1.08E+04	3.12E+04	4	Santillo, et al. 2003	
		637	1.02E+05				2.00E+02	3.15E+06			

Precipitation											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Netherlands - rainwater	1999				0.42		0.38	0.53	1	Vethaak, et al. 2002	Detected in 3 of 3 samples
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.81	0.694	0.713		<0.010	3.976	1	Peters, 2003	Detected in 98% of samples; MDL 0.010 ug/L
		50	0.81				<0.010	3.976			
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1996 (fall)	19	1.092		0.74				3	Grollert and Puxbaum, 2000	DIBP classed as "tentatively identified"
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1997 (spring)	11	9.055		7.635				3	Grollert and Puxbaum, 2000	DIBP classed as "tentatively identified"
Japan/Asia											
Japan - rain	1974						0.15	34	4	Japan MOE, 2003	Detected in 11 of 111 samples; det. limit of 0.05 to 1 ug/L
			NA				<0.05	34			

Wastewater											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Belgium - Roeselare; WWTP influent	2001	16	2.34		2.37		1.66	3.04	4	ECPI, 2001	
Belgium - Roeselare; WWTP effluent	2001	16	0.5		<1.00		<1.00	<1.00	4	ECPI, 2001	
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	19.32		18.22		10.51	29.23	4	ECPI, 2002	
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.14		<0.05		<0.05	0.36	4	ECPI, 2002	
France, southeast of Paris, raw wastewater	N/A	1	0.8			0.8			4	Bruchet et al., 2002	
France, southeast of Paris, raw & recycled wastewater	N/A	1	82.1			82.1			4	Bruchet et al., 2002	
France, southeast of Paris, treated wastewater	N/A	1	11.1			11.1			4	Bruchet et al., 2002	
Netherlands - untreated municipal wastewater	1999				50		1.9	15	1	Vethaak, et al. 2002	Detected in 12 of 12 samples
Netherlands - municipal effluent	1999				0.7		<1.0	20	1	Vethaak, et al. 2002	Detected in 4 of 9 samples
Netherlands - untreated industrial wastewater	1999				82		<0.7	405	1	Vethaak, et al. 2002	Detected in 4 of 6 samples
Netherlands - industrial effluent	1999				1.3		<0.7	1.9	1	Vethaak, et al. 2002	Detected in 4 of 4 samples
Scotland - SEPA West Region - STW Effluent	1996	19	4.3	14.9	<1		<1	65.8	4	Pirie et al., 1996	Detected in 1 of 19 samples
Scotland - SEPA East Region - STW Effluent	1996	24	1.9	2.9	<1.9		<1	13.9	4	Pirie et al., 1996	Detected in 7 of 24 samples
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	2.93	2.54					4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW primary tank effluent	2001-2002	23	2.64	2.57					4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW trickle filter effluent	2001-2002	23	1.34	1.82					4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW humus tank effluent	2001-2002	23	0.65	1.08					4	Oliver et al., 2005	
UK - Petersfield, Hampshire - domestic STW reedbed effluent	2001-2002	23	1.04	1.45					4	Oliver et al., 2005	
		199	2.6				<0.05	405			
Canada											
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.0336	0.037	0.018		0.0017	0.107	1	Alberta Environment, 2005	
		8	0.0336				0.0017	0.107			

Japan/Asia

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
China, Tianjin - effluent from domestic STP	Oct 03-Sept 04	7	0.777				0.276	0.978	4	Wang et al., 2005	Influent to three stage treatment of reclaimed water
China, Tianjin - STP effluent after coagulation treatment	Oct 03-Sept 04	7	0.673				0.251	0.832	4	Wang et al., 2005	Effluent of first treatment stage
China, Tianjin - after continous micro-membrane filtration treatment	Oct 03-Sept 04	7	0.610				0.244	0.771	4	Wang et al., 2005	Effluent of second treatment stage
China, Tianjin - after ozonation	Oct 03-Sept 04	7	0.539				0.230	0.615	4	Wang et al., 2005	Effluent of third treatment stage
		28	0.650				0.230	0.978			

Sludge

Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Belgium - Roeselare; WWTP	2001	6	180		160		100	280	4	ECPI, 2001	dry wt.
Switzerland - domestic	1999?	4	173		124		99	346	2	Berset and Etter-Holzer, 2001	
Switzerland - domestic, storm water, small amt. ind.	1999?	6	141		113		80	311	2	Berset and Etter-Holzer, 2001	
Switzerland - domestic, storm water, lgr amt. ind.	1999?	2	138		138		114	161	2	Berset and Etter-Holzer, 2001	
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	890	50					4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
		50	627				80	346			
Belgium - Negenmanneke; WWTP, domestic	2002	3	2.43		1.98		1.3	4.02	4	ECPI, 2002	Units are ug/L

Municipal Solid Waste

Location	Date	Concentration as ug/g				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Japan/Asia											
India, Chennai - fresh MSW	N/A	2	1408				1389.23	1426.43	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure
India, Chennai - MSW, partially degraded	N/A	2	656				<0.001	1312	4	Swati et al., 2008	Extracted using Toxicity Characteristics Leaching Procedure
		4	1032				<0.001	1426			

Drinking Water

Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Canada											
Ottawa, ON - bottled water (polycarbonate)	2007	1	0.191			0.191			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (glass)	2006	1	0.191			0.191			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.181			0.181			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (glass)	2006	1	0.481			0.481			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (glass)	2006	1	0.419			0.419			1	Cao, 2008	Carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.254			0.254			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.353			0.353			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.303			0.303			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.133			0.133			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.161			0.161			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (PETE)	2006	1	0.176			0.176			1	Cao, 2008	Non-carbonated water
		11	0.26				0.133	0.481			
Europe											
Italy - bottled water (glass)	N/A				0.03				4	Montuori et al., 2008	71 samples; 25th perc = 0.02 ug/L; 75th perc = 0.06 ug/L
Italy - bottled water (PET)	N/A				0.32				4	Montuori et al., 2008	71 samples; 25th perc = 0.221 ug/L; 75th perc = 0.45 ug/L
Italy - bottled water (glass and PET)	N/A	142	0.20						4	Montuori et al., 2008	
		142	0.20				N/A	N/A			

Food

Type	Date	Concentration as ug/g				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
BEVERAGES											
Tea/coffee - Switzerland	1991-96	1	0.006			0.006			4	Kuchen, et al. 1999	
Wine - Italy, commercial, glass bottles, n=26	N/A				0.099		0.047	0.260	1	Del Carlo et al., 2008	Det. Freq = 100%
Wine - Italy, commercial, polyethylene coupled film brick, n=10	N/A				0.076		<0.058	0.173	1	Del Carlo et al., 2008	Det. Freq = 100%
Wine - Italy, private wine producers, glass bottles, n=18	N/A				0.119		<0.058	0.254	1	Del Carlo et al., 2008	Det. Freq = 89%
Wine - Italy, experimental pilot plant, glass bottles, n=8	N/A				0.081		0.062	0.197	1	Del Carlo et al., 2008	Det. Freq = 100%
		1	0.006				0.006	0.260			

EGGS

Eggs	1993	2	0.1			2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.1	NA	NA			

FISH

Fish - Japan	1974			0.15	0.47	4	Japan MOE, 2003	Wet wt.; detected in 22 of 312 samples; det. limit 0.00005 to 0.2 ug/g	
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.00009			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%	
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.000042			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%	
False Creek harbour, B.C., Canada - Plankton	1999	9	0.00021			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%	
False Creek harbour, B.C., Canada -Blue Mussels	1999	9	0.0004			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%	
False Creek harbour, B.C., Canada -Pacific Oysters	1999	9	0.0007			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada -Geoduck Clams	1999	9	0.0005			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada -Manila Clams	1999	9	0.0007			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%	
False Creek harbour, B.C., Canada -Dungeness Crabs	1999	9	0.0013			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%	
False Creek harbour, B.C., Canada -Purple Seastar	1999	9	0.0004			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%	
False Creek harbour, B.C., Canada -Juvenile Shiner Perch	1999	9	0.0006			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada -Pacific Herring	1999	9	0.0008			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%	
False Creek harbour, B.C., Canada -Pile Perch	1999	9	0.0002			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada -Striped Seaperch	1999	9	0.0003			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%	
False Creek harbour, B.C., Canada -Pacific Staghorn Sculpin	1999	9	0.0004			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%	
False Creek harbour, B.C., Canada -English Sole	1999	9	0.0006			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%	
False Creek harbour, B.C., Canada -Whitespotted Greenling	1999	9	0.0006			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%	
False Creek harbour, B.C., Canada -Spiny Dogfish- muscle	1999	9	0.0014			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%	
False Creek harbour, B.C., Canada -Spiny Dogfish- liver	1999	9	0.0044			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%	
False Creek harbour, B.C., Canada -Spiny Dogfish- embryo	1999	9	0.0029			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%	
False Creek harbour, B.C., Canada -Surf Scoters	1999	9	0.0011			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%	
Fish - Switzerland	1991-96	1	0.020	0.020		4	Kuchen, et al. 1999		
Bream - NL; 0.1% fat	1998	1	0.0016	0.0016		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.5% fat	1998	1	0.0007	0.0007		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0004	0.0004		1	David and Sandra, 2001	Wet wt	
Bream - NL; 1.6% fat	1998	1	0.0002	<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Roach - NL; 0.8% fat	1998	1	0.0002	<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Bream - NL; 0.1% fat	1998	1	0.0037	0.0037		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.2% fat	1998	1	0.0032	0.0032		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0004	0.0004		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.7% fat	1998	1	0.0076	0.0076		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.5% fat	1998	1	0.0009	0.0009		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0034	0.0034		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.4% fat	1998	1	0.0016	0.0016		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.0% fat	1998	1	0.0026	0.0026		1	David and Sandra, 2001	Wet wt	
White bream - NL; 0.8% fat	1998	1	0.0020	0.0020		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.6% fat	1998	1	0.0002	<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Bream - NL; 0.4% fat	1998	1	0.0011	0.0011		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.5% fat	1998	1	0.0002	<0.0004		1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Bream - NL; 1.4% fat	1998	1	0.0020	0.0020		1	David and Sandra, 2001	Wet wt	
Bream - NL; 0.2% fat	1998	1	0.0029	0.0029		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.6% fat	1998	1	0.0068	0.0068		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.7% fat	1998	1	0.0047	0.0047		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.3% fat	1998	1	0.0020	0.0020		1	David and Sandra, 2001	Wet wt	
Bream - NL; 5.1% fat	1998	1	0.0193	0.0193		1	David and Sandra, 2001	Wet wt	
Roach - NL; 2.6% fat	1998	1	0.0196	0.0196		1	David and Sandra, 2001	Wet wt	
Roach - NL; 2.6% fat	1998	1	0.0155	0.0155		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.77% fat	2000	1	0.0065	0.0065		1	David and Sandra, 2001	Wet wt	
Roach - NL; 0.98% fat	2000	1	0.0061	0.0061		1	David and Sandra, 2001	Wet wt	
Roach - NL; 1.58% fat	2000	1	0.0082	0.0082		1	David and Sandra, 2001	Wet wt	
Molluscs - NL	2000	3	0.106	0.074	0.034	0.209	1	David and Sandra, 2001	Wet wt
Invertebrates - NL	2000	3	0.607	0.559	0.491	0.771	1	David and Sandra, 2001	Wet wt
		215	0.011		-0.000042	0.771			

FRUITS

Fruit - with core (apple, pears, etc.) - Switzerland	1991-96	1	0.052	0.052		4	Kuchen, et al. 1999	
Fruit - with stones- Switzerland	1991-96	1	0.0078	0.0078		4	Kuchen, et al. 1999	
		2	0.030		0.0078	0.052		

GRAINS

Bread - Switzerland	1991-96	1	0.080	0.080		4	Kuchen, et al. 1999	
Grains - Switzerland	1991-96	1	0.120	0.120		4	Kuchen, et al. 1999	
Rice, pasta - Switzerland	1991-96	1	0.180	0.180		4	Kuchen, et al. 1999	
		3	0.127		0.080	0.180		

MEAT

Beef - Switzerland	1991-96	1	0.030	0.030		4	Kuchen, et al. 1999	
Carcass Meat	1993	2	0.06			2	MAFF Report #82, March, 1996	Prepared for consumption
		3	0.05		0.03	0.06		

MILK

Milk	1993	2	0.002			2	MAFF Report #82, March, 1996		
Milk - direct from cows; Netherlands	1998	29	0.018	0.010	<0.0025	0.073	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - direct from cows; Netherlands	2000	3	0.017	0.018	0.013	0.021	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
		34	0.017		<0.0025	0.073			

POULTRY

Poultry	1993	2	0.06			2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.06		NA	NA		

PROCESSED MEAT

Meat products - Switzerland	1991-96	1	0.030	0.030		4	Kuchen, et al. 1999	
		1	0.030		NA	0.030		

VEGETABLES

Potato - Switzerland	1991-96	1	0.005	0.005		4	Kuchen, et al. 1999	
		1	0.005		NA	0.005		

TOTAL DIET SAMPLES

Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)				<0.01	0.155	4	Fromme et al., 2007b	Detected in 214 of 350 samples (61%); det. limit 0.01 ug/g fresh wt.
			NA		<0.01	0.155			

INFANT FORMULA - powder

Casein Formula-1	1996	2	0.18	0.18		2	MAFF Rpt-83, March, 1996		
Casein Formula-2	1996	2	0.08	0.08		2	MAFF Rpt-83, March, 1996		
Casein Formula-3	1996	2	0.08	0.08		2	MAFF Rpt-83, March, 1996		
Casein Formula-4	1996	2	0.07	0.07		2	MAFF Rpt-83, March, 1996		
Casein Formula-5	1996	2	0.11	0.11		2	MAFF Rpt-83, March, 1996		
Soy Formula-1	1996	2	0.06	0.06		2	MAFF Rpt-83, March, 1996		
Soy Formula-2	1996	2	0.09	0.09		2	MAFF Rpt-83, March, 1996		
Whey Formula-1	1996	2	0.14	0.14		2	MAFF Rpt-83, March, 1996		
Whey Formula-2	1996	2	0.16	0.16		2	MAFF Rpt-83, March, 1996		
Whey Formula-3	1996	2	0.08	0.08		2	MAFF Rpt-83, March, 1996		
Whey Formula-4	1996	2	0.17	0.17		2	MAFF Rpt-83, March, 1996		
Whey Formula-5	1996	2	0.26	0.26		2	MAFF Rpt-83, March, 1996		
Infant Formula-BF1, whey powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Premium, whey powder	1998	4	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G1, soya powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-MA, whey powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-MM, casein powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMAW, soya powder	1998	2	0.01	<0.02	<0.02	<0.02	1	MAFF Rpt-168, December, 1998	
		59	0.06		<0.02	0.26			

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.005	<0.01	<0.01	<0.01	1	MAFF Rpt-168, December, 1998	
		4	0.005		<0.01			Mean represents one half detection limit	

MISCELLANEOUS

Bergamot essential oil - Italy: mg/L	1999	N/A	1.22		nd	2.35	4	Di Bella et al., 2004	Detection limit not provided
Bergamot essential oil - Italy: mg/L	2000	N/A	1.25		nd	2.40	4	Di Bella et al., 2004	Detection limit not provided

Consumer Products											
Location/Type	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Concentration in % w/w											
Europe											
Austria, Germany, Switzerland - PVC toys and childcare products	2007 (Jan-June)	9	15.4				0.4	35	4	Biedermann-Brem et al., 2008	Det. In 9 of 252 samples; conc. are for detected samples only
		9	15.4				0.4	35			

Vegetation										
Concentration in ug/kg wet weight										
Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	7		<10	<10	32	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	58.5			51	66	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
Plankton - Japan	1974					<10		4	Japan MOE, 2003	Not detected in any of 4 samples; det. limit of 10 to 5000 ppb
		55	9			<10	66			

Concentration in ug/kg dry weight										
Lichen - arctic, Northwest Territories, Canada	2005 (July)	2	1315			1000	1630	3	Naeth and Wilkinson, 2008	

Human Blood										
Concentration in ug/mL										
Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.010	0.013	0.005	<0.002	0.065	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 38 of 45 samples; 90th perc = 0.020
		45	0.010			<0.002	0.065			

Butylbenzyl Phthalate (BBP)

Surface Water Location	Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD		Low	High			
USA										
Buffalo River	82-86	19	0.5					4 USEPA, 1991		Assumed ND=1 ug/L
Delaware R, 2 mile DS of WTP	80-82	1	0.6		0.6			4 USEPA, 1987		
Delaware R, Trenton-Marcus Hook	80-82					0.4		4 USEPA, 1987		
Detroit River	1982						0.35	1 Michael, et al, 1994		
Fort Erie	91-92	46	0.0048				0.0057	4 DIG, 1993		Water Fraction
Fort Erie	91-92	47	0.0019				0.0024	4 DIG, 1993		Suspended Solids
Fort Erie	92-93	50	0.0029				0.0032	4 DIG, 1995		Water Fraction
Fort Erie	92-93	50	0.0018				0.0022	4 DIG, 1995		Suspended Solids
Fort Erie	93-94	43	0.0023				0.0028	4 DIG, 1996		Water Fraction
Fort Erie	93-94	48	0.0008				0.0011	4 DIG, 1996		Suspended Solids
Illinois River	1981					0.6	0.9	1 Michael, et al, 1994		
Kanawha River, WV	1982						0.3	1 Michael, et al, 1994		
Lake Ontario, NY	1982						0.35	1 Michael, et al, 1994		
Lake Superior, MI	1982						0.45	1 Michael, et al, 1994		
Mississippi R at St Louis	80-82	1	2.4		2.4			4 USEPA, 1987		
Mississippi R-Baton St. Louis	1982						0.85	1 Michael, et al, 1994		
Mississippi R-Memphis	1982						0.5	1 Michael, et al, 1994		
Niagara-on-the-Lake	91-92	48	0.0041				0.0045	4 DIG, 1993		Water Fraction
Niagara-on-the-Lake	91-92	49	0.0022				0.0026	4 DIG, 1993		Suspended Solids
Niagara-on-the-Lake	92-93	49	0.0029				0.0034	4 DIG, 1995		Water Fraction
Niagara-on-the-Lake	92-93	47	0.0009				0.0016	4 DIG, 1995		Suspended Solids
Niagara-on-the-Lake	93-94	39	0.0015				0.0024	4 DIG, 1996		Water Fraction
Niagara River	88-89	26	0.003					4 DIG, 1990		Dissolved only
Niagara River	89-90	43	0.003					4 DIG, 1991		Dissolved only
Niagara River	89-90	47	0.003					4 DIG, 1991		Dissolved only
Niagara River	88-89	25	0.004					4 DIG, 1990		Dissolved only
Niagara River	90-91	47	0.004					4 DIG, 1992		Dissolved only
Niagara River	90-91	49	0.003					4 DIG, 1992		Dissolved only
Ohio R-Pittsburg	1982						0.3	1 Michael, et al, 1994		
San Francisco Bay	1982						0.3	4 Michael, et al, 1994		
San Francisco Estuary - North Bay	1999 & 2000 (July)	1	0.327		0.327			1 Oros et al., 2003		Dissolved and particulate
San Francisco Estuary - Delta, Central Bay, South Bay, Golden Gate	1999 & 2000 (July)	4	0.000125			<0.00025		1 Oros et al., 2003		Dissolved and particulate
Storet Data-Ambient water	N/A	7		9	<10			4 USEPA, 1987		Median
Surface Water	89-95	7	8					4 ATSDR-Hazdat, 1998		
US Waters	88-93	1964	0.5					4 Storet, 1995		1.7% -DL, dissolved and particle bound
US Waters	88-93						0.5	4 Storet, 1995		1.7% -DL, dissolved and particle bound
USA - surface water - sources for 19 drinking water plants	2006-2007	19	0.028	<0.050		<0.050	0.054	2 Benotti et al., 2009		Detected at 2 of 19 plants
		2769	0.38			<0.00025	66			
California, south - 4 water filtration plants; raw drinking water	2001-02	13	0.096		<0.033	<0.033	1.19	1 Loraine and Pettigrove, 2006		Includes surface water and groundwater sources; det. in 2 of 13 samples
US Waters	75-82	1786	193	7572				4 Staples, 1985		Average is higher than any referenced maximum
Delaware River-Summer	1976						0.3	3 Sheldon and Hites, 1978		
Delaware River-Winter	1976					0.4	1	3 Sheldon and Hites, 1978		
Washington, King County - marine waters	2003-2004					<0.0094	0.01	3 King County, 2007		
Washington, King County - lake waters	2002-2004					<0.0094		3 King County, 2007		
Washington, King County - streams and rivers	2002-2004					<0.0095	0.011	3 King County, 2007		
Washington, King County - stormwater	2003-2004					<0.25	2.06	3 King County, 2007		
Central Europe/UK										
France, Seine River - upstream of WWTP	N/A	1	0.05		<0.1			4 Bruchet et al., 2002		
France, Seine River - downstream of WWTP	N/A	1	0.05		<0.1			4 Bruchet et al., 2002		
France, River Seine (River Seine tributary -upstream Paris)	2002-2004	85	0.019				0.031	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Alfortville (upstream Paris)	2002-2004	85	0.015				0.043	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Alexandreville (Paris)	2002-2004	85	0.007				0.01	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Argenteuil (downstream Paris)	2002-2004	85	0.02				0.05	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Maisons LaFitte (downstream Paris)	2002-2004	85	0.022				0.048	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - Herblay (downstream Paris)	2002-2004	85	0.04				0.06	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRG (downstream Paris)	2002-2004	85	0.02				0.032	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.04				0.053	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, River Oise (River Seine tributary - downstream Paris)	2002-2004	85	0.028				0.041	4 Tell et al., 2007		Detection limit: 0.003 to 0.050 ug/L
France, Marne River - Pont de Neuilly sur Marne	2007 (March)	1	0.0238		0.0238			1 Dargnat et al., 2009		Rainy conditions - upstream WWTP
France, Marne River - Pont de Champigny sur Marne	2007 (March)	1	0.0250		0.0250			1 Dargnat et al., 2009		Rainy conditions - upstream WWTP discharge
France, Marne River - Pont de Chennevières	2007 (March)	1	0.0353		0.0353			1 Dargnat et al., 2009		Rainy conditions - downstream WWTP discharge
France, Marne River - Pont de Maisons-Alfort	2007 (March)	1	0.0225		0.0225			1 Dargnat et al., 2009		Rainy conditions - downstream WWTP discharge
Germany-Haringvliet	1989				0			4 Hendricks, et al, 1994		600 l sample
Germany-Kampen	1989				0			4 Hendricks, et al, 1994		600 l sample
Germany-Lobith 15/09	1989	1	0.06		0.06			4 Hendricks, et al, 1994		600 l sample
Germany-Lobith 17/03	1989	1	0.043		0.043			4 Hendricks, et al, 1994		600 l sample
Germany-Maassluis 22/09	1989	1	0.022		0.022			4 Hendricks, et al, 1994		600 l sample
Germany-Maassluis 26/05	1989				0			4 Hendricks, et al, 1994		600 l sample
Germany-Merkemeer	1989				0			4 Hendricks, et al, 1994		600 l sample
Germany-Werkendam	1989				0			4 Hendricks, et al, 1994		600 l sample
Germany	N/A					<0.04	13.9	4 Furtmann, 1993		EC & HC (2000)
Germany - rivers, lakes, channels	1997			<0.02		<0.02	2.95	4 Fromme, et al, 2002		Various locations; detected in 22% of 116 samples
Germany - Niers River	1999	1	0.28		0.28			4 Alberti, et al. 2000		
Germany - Rhine River (northwest)	1999	1	0.38		0.38			4 Alberti, et al. 2000		
Germany - "background" concentration	1999	1	0.05		0.05		1.6	4 Alberti, et al. 2000		
Italy-Rieti District-August	1994					0.3	6.6	2 Vitali et al, 1997		
Italy-Rieti District-June-July	1994					<0.01	1.2	2 Vitali et al, 1997		
Italy-Rieti District-Sept-Oct	1994					<0.01	3.1	2 Vitali et al, 1997		
Mersey Estuary	N/A					ND	0.14	4 Preston et al., 1986,89		
Netherlands	N/A			<0.1		<0.1	<0.1	4 van der Velde, et al.		
Netherlands-Drinking Water	N/A			<0.1		<0.1	<0.1	4 van der Velde, et al.		
Netherlands	1999			0.077		<0.010	1.8	1 Vethaak, et al. 2002		Detected in 83 of 87 samples; median calc. using detected values only
Netherlands - rivers	1998 (Aug-Oct)					0.01	0.03	4 van Stee et al., 2002		
North Sea - German Bight	2004 (Feb-Mar)	11	0.00005	0.0001	0.00001			1 Xie et al., 2005		Dissolved fraction
NRW Canals	91-92	12	0.2			<0.00001	0.00026	1 Furtmann, 1993		
Rhine River	1989					<0.01	0.06	4 Hendricks, et al, 1994		
Rhine River	N/A	1	0.8		0.8			4 IAWR, 1981-82		in ECPI
Rhine River -12 Consecutive Days	1986	12	0.04			0.01	0.1	1 Ritsema et al, 1989		Water
Rhine River, Netherlands	91-92					<0.04	<0.04	1 Furtmann, 1993		
Rhine Tributaries	91-92					<0.04	3.45	1 Furtmann, 1993		
Spain, marine water	N/A	1	0.01		<0.02			1 Gimeno et al., 2003		
Spain, Catalonia - River Ebre (Tortosa)	Sept 01-Aug 02					0.09	0.44	1 Brossa et al., 2005		12 monthly samples
Spain, Catalonia - River Ebre (Delta)	Sept 01-Aug 02					0.06	0.87	1 Brossa et al., 2005		12 monthly samples
Spain, Catalonia - Tarragona (industrial port)	Sept 01-Aug 02					0.08	0.33	1 Brossa et al., 2005		12 monthly samples
Spain, Catalonia - Salou (marina)	Sept 01-Aug 02					0.14	0.46	1 Brossa et al., 2005		12 monthly samples; seawater
Spain, Catalonia - Salou (coast)	Sept 01-Aug 02					0.12	0.42	1 Brossa et al., 2005		12 monthly samples; seawater
Spain, Catalonia - Ebre Delta (irrigation canal)	Sept 01-Aug 02					0.05	2.01	1 Brossa et al., 2005		12 monthly samples

Legend	
	Data, changes or comments added in 2009
	Also used in drinking water summary
	Excluded from calculated summary
	Indicates average based on detection limit
BOLD	Calculated category summary
Data Quality	
1 -	Reliable without restrictions
2 -	Reliable with restrictions
3 -	Not reliable
4 -	Unassignable

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Spain, Catalonia - Llobregat River basin	2001 (autumn)	11	0.095				<-0.19	<-0.19	4	Cespedes et al., 2005	Not detected at any of 11 locations; LOD in Cespedes et al 2004
Spain, south Catalonia - Ebro River	20027	1	0.0025			<0.005			1	Brossa et al., 2003	
Spain, south Catalonia - sea water	20027	1	0.15			0.15			1	Brossa et al., 2003	
Spain, south Catalonia - irrigation stream water	20027	1	0.10			0.10			1	Brossa et al., 2003	
Spain - sea water	20017	1	0.08			0.08			4	Brossa et al., 2002	
Spain - Ebro River	N/A	1	0.01			<0.02			1	Penalver et al., 2000	
Spain, Tarragona industrial port	N/A	2	0.01			<0.02	<-0.02	<-0.02	1	Penalver et al., 2000	
Spain, Biscay - Urdaibai estuary (natural biosphere)	N/A	1	0.035			<0.07			1	Cortazar et al., 2002	Detection limit = 0.07 µg/L
Spain - industrial harbour	N/A	1	0.019			0.019			1	Polo et al., 2005	
Spain - river	N/A	1	0.011			0.011			1	Polo et al., 2005	
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.25			<0.5	<-0.5	<-0.5	4	Prie et al., 1996	Not detected in any of 3 samples
Severn Trent Water, UK	1998	7	0.1			<0.2	<-0.2	<-0.2	4	Fawell et al., 2001	
Weser R	91-92	27	0.02						1	Furtmann, 1993	Average assumed to be 1/2 detection limit
Yssel Lake/River	1986	6	0.005						1	Rtsema et al., 1989	Water; Average assumed to be 1/2 detection limit
Northern Europe											
Brattoya	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Brevikfjorden	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Denmark - Fjord water - Roskilde Vig	1998-99	9	0.0022	0.0013					2	Vikelsee et al., 2001	
Denmark - Fjord water - Roskilde Bredning	1998-99	10	0.0025	0.0021					2	Vikelsee et al., 2001	
Denmark - Fjord water - Skuldelev	1998-99	3	0.0015	0.0021					2	Vikelsee et al., 2001	
Denmark - Fjord water - Frederikssund	1998-99	4	0.0071	0.0099					2	Vikelsee et al., 2001	
Denmark - Fjord water - Kulhuse	1998-99	4	0.0020	0.0016					2	Vikelsee et al., 2001	
Denmark - Hove A, 5 m upstream	1996	1	0.13			0.083			1	Vikelsee et al., 1998	
Denmark - Hove A near mouth	1996	1	0.029			0.029			1	Vikelsee et al., 1998	
Denmark - Hove A upstream Lake Gundsomagle	1998-99	4	0.0023	0.0027					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Lake Gundsomagle	1998-99	5	0.0130	0.019					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Hove A downstream Lake Gundsomagle	1998-99	4	0.0045	0.0054					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Maglemose A, 5 m upstream	1996	1	0.16			0.16			1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1996	1	0.13			0.13			1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1998-99	2	0.0023	0.0015					1	Vikelsee et al., 2001	Stream and lake water
Denmark - Helligrenden near mouth	1998-99	4	0.0019	0.0013					2	Vikelsee et al., 2001	Stream and lake water
Faerder	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Femunden Lake	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Frierflaket	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Fuglevik	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Gascoyenna	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Gullaugbukta	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Heddalsvatn Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Holmen	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Langesundbukta	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Lundeavatn Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Mjøsa Furnedjorden Lake	1996	1	0.009			<-0.018			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Mjøsa Gjovik Lake	1996	1	0.03			<0.06			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Mjøsa Hamar Lake	1996	1	0.009			<-0.018			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Ornoya	1996	1	0.009			<-0.018			1	NIVA, 1996	Average assumed to be 1/2 detection limit
Slemmestad (VEAS)	1996	1	0.009				<-0.018		1	NIVA, 1996	Average assumed to be 1/2 detection limit
Swedish Lakes-Fracksjon	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
Swedish Lakes-Fyrissan	1996	3	0.048	0.002					4	Parkman and Remberger, 1996	
Swedish Lakes-Horsvattnen	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
Swedish Lakes-Motala Strom	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
Swedish Lakes-Ornholmsviken	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
Swedish Lakes-Riddarfjarden (ice)	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
Swedish Lakes-Riddarfjarden(ice out)	1996	1	0.001						4	Parkman and Remberger, 1996	
Swedish Lakes-Svartan	1996								4	Parkman and Remberger, 1996	Did not assume a detection limit to estimate avg.
		952	0.028				<-0.00001	13.9			
Canada											
Alberta	84-99	1822	1.45	3.73	0.5		0.02	84		AENV R. Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0012			0.0012			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.0217			0.0217			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0082			0.0082			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0069			0.0069			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0161			0.0161			1	Alberta Environment, 2005	
B.C. - False Creek Harbour, sea water - total conc.	N/A	11	0.00348				0.00189	0.00641	1	Mackintosh et al., 2006	Detected in 11 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	11	0.00178				0.00097	0.00328	1	Mackintosh et al., 2006	Detected in 11 of 12 samples; average is for detected values
Canada, Chateauguay River	1993	62	3.5						4	Berryman, 1996	SPMD; assumed average = 1/2 detection limit
Canada, Chaudiere River	N/A						<4	23	4	Berryman, 1998	SPMD
		1911	1.49				0.00097	84			
Alberta industrial data points (subset)	84-99	629	3.05	5.61	1		0.02	84	4	AENV R. Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta rural data points (subset)	84-99	1010	0.613	1.75	0.5		0.05	50	4	AENV R. Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta urban data points (subset)	84-99	183	0.547	0.460	0.05		0.05	6	4	AENV R. Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.00025			<-0.0005	<-0.0005	<-0.0005	1	Zeng et al., 2008a	
Japan, Ariake S	1987								4	Kishi, 1996	Did not assume a detection limit to estimate avg.
Japan, Ohmuta (off Coast)	1987								4	Kishi, 1996	Did not assume a detection limit to estimate avg.
Japan Rivers	N/A						<0.2	1	4	Mitsubishi Chemical; in API, 1998	
Japan - surface water	1986	27	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2003	Not detected in any of 27 samples
Japan - Rivers and Dams; 109 water systems	early 1998	266	0.11			<0.2	<-0.2	1.0	2	MOC, 1998a and c	Detected at 3 of 266 sites
Japan - Rivers and Dams; 109 water systems	late 1998	261	0.12			<0.2	<-0.2	3.1	2	MOC, 1998a and c	Detected at 3 of 261 sites
Japan - Rivers and Dams; 109 water systems	summer 1999	261	0.1			<0.2	<-0.2	<-0.2	2	MOC, 1999a and c	Not detected at any of 261 sites
Japan - Major rivers	spring 1999	31	0.1			<0.2	<-0.2	<-0.2	4	MOC, 1999b	Not detected at any of 31 sites
Japan - Rivers - general watersheds	summer 1998	100	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 100 sites
Japan - Rivers - general watersheds	autumn 1998	139	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	19997	101	0.05			<0.1	<-0.1	0.1	4	JEA, 1999	Detected at 1 of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2000b	Not detected at any of 124 sites
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2000b	Not detected at any of 6 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2000b	Not detected at any of 17 sites
Japan - Rivers	2001 (Jan.-Mar.)	124	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2001a	Not detected at any of 124 sites
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2001a	Not detected at any of 5 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05			<0.1	<-0.1	<-0.1	4	Japan MOE, 2001a	Not detected at any of 17 sites
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000					<-0.004	0.010		1	Suzuki, et al. 2001	Detected in 2 of 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000					<-0.004	0.060		1	Suzuki, et al. 2001	Detected in 8 of 12 samples
Japan, Tokyo - Tama River site #3	1999-2000					<-0.004	0.020		1	Suzuki, et al. 2001	Detected in 8 of 12 samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000					<-0.004	0.061		1	Suzuki, et al. 2001	Detected in 9 of 12 samples
Japan, Tokyo - Aki River	1999-2000					<-0.004	0.012		1	Suzuki, et al. 2001	Detected in 3 of 12 samples
Japan, Tokyo - Asa River	1999-2000					<-0.004	0.031		1	Suzuki, et al. 2001	Detected in 11 of 12 samples

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.5		<1.0		<1.0	<1.0	4	Yuan, et al. 2002	Sample locations described as heavily contaminated	
		1543	0.085				<0.0005	3.1				
Other												
Norwegian Coast - dissolved phase; marine	2004 (summer)	5	1.6E-05		8E-06		8E-06	4.8E-05	1	Xie et al., 2007		
Arctic - dissolved phase; marine	2004 (summer)	8	5E-06		5E-06		1E-06	7E-06	1	Xie et al., 2007		
Central - dissolved phase; marine	2004 (summer)	3	1.E-06		1E-06		<2E-07	2E-06	1	Xie et al., 2007		
Australia, Melbourne Domestic water	1994		ND						4	Wikie, et al. 1996		
Ground Water												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
USA												
New York Public Water Wells	1979							38	4	USEPA, 1987	In 38% of Samples	
Puerto Rico	N/A						ND	0.3	4	Arbona and Hunter, 1995		
US Ground Water	85-93	32	7296	37192	13		ND	38	4	ATSDR Hazdat, 1998		
Europe												
Not Near Landfill	91-92							0.04	1	Furtman, 1993		
Netherlands	N/A				<0.1		<0.1	<0.1	4	van der Velde, et al.		
			NA				0.04	<0.1				
Canada												
	Canadian data represented by Alberta drinking water summarized below											
Japan/Asia												
Japan - general watersheds	summer 1998	8	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites	
Japan - general watersheds	autumn 1998	12	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites	
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 23 sites	
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 24 sites	
		67	0.05				<0.1	<0.1		Mean represents one half detection limit		
Landfill Leachate												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
USA												
Leachate	80-84	5	99	210	5			NA	NA	4	ATSDR Hazdat, 1998	
		5	99									
Europe												
Near Active Landfill	91-92							<DL	13.2	1	Furtman, 1993	Assumed Germany
Near Closed Landfill	91-92	1	7.1			7.1				1	Furtman, 1993	Assumed Germany
Construction Waste Leachate	91-92							<DL		1	Furtman, 1993	
Domestic Waste Leachate	91-92							<DL	0.24	1	Furtman, 1993	
Finland - leachate from 11 municipal landfills	1989-99							<-1	1	2	Martinen et al., 2003a	
Sweden - landfill leachate	1995-96							<-0.01	2	4	Paxeus, 1999a	3 landfills
Sweden, Denmark, Germany, Italy- Landfill leachate	1998-1999	17	1	2	<1		<1	7	2	Jonsson et al., 2003a	Leachate collected from 17 engineered landfills	
		18	1.3				<-0.01	13				
Japan/Asia												
Japan - landfill leachate	N/A									4	Behnisch et al. 2001	Detection limit: 0.1 to 0.3 ug/L
China, Wuhan - leachate from 3 landfills	N/A	10	5.52				ND	21.80	4	Zhang and Wang, 2009	Det. in 7 of 10 samples; det. limit not reported	
		10	5.52				<0.1	21.80				
Sediments												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
USA												
Ashtabula Harbor	N/A	3	0.1		<0.2		<0.2	<0.2	4	USEPA, 1990	No sampling dates; avg assumed 1/2 detection limit	
Ashtabula Harbor	N/A	8	0.375		<0.75		<0.75	<0.75	4	USEPA, 1990	No sampling dates; avg assumed 1/2 detection limit	
Buffalo River	1981	16	0.012						4	USEAP, 1991		
Charles River-Boston	1981							0.15	1	Michael, et al. 1984		
Detroit River	1982							0.1	1	Michael, et al. 1984		
Genessee River-Rochester east	1981	1	0.1			0.1			4	Stevens, 1988		
Genessee River-Rochester west	1981	1	0.04						4	Stevens, 1988		
Grand Calumet River	N/A							0.6	4	Simmers et al. 1991	interstitial water 7e-5mg/l	
Kanawha River, WV	1982							0.3	1	Michael, et al. 1984		
Lake Erie	1980							0.4	1	Michael, et al. 1984		
Mississippi R-Memphis	1980							1.2	1	Michael, et al. 1984		
Missouri R-St. Louis	1980							0.4	1	Michael, et al. 1984		
Puget Sound-Background Areas	N/A	70	0.097	0.159	0.01		0.01	0.28	4	Weiss, 1995	50th and 90th Percentiles, dry wt	
Puget Sound-Non-Urban Bays	N/A	198	0.012	0.006			0.005	0.021	4	Weiss, 1995	50th and 90th Percentiles, dry wt	
Puget Sound-Urban Bays	N/A	1188	0.221	0.617	0.052			5.5	4	Weiss, 1995	50th and 90th Percentiles, dry wt	
Shiawassee River, Mich	1974						<0.100	0.39	4	USEPA, 1991		
Various sites across country (536 sites; 20 river basins)	1992-95	1485	0.19		<0.050		<0.050	2.24	1	Lopes and Furlong, 2001	Dry wt.; detected in 5.6% of sites; 95%ile = 0.076; 90%ile = <0.050	
Sediments	84-97	38	223	1100	0.32		0.005	5.5	4	ATSDR Hazdat, 1998	Data considerably higher than any referenced max.	
Central Europe												
Italy-Rieti District	1994							0.3	18.2	2	Vitali et al. 1997	
Germany - riverbeds in Brandenburg and Berlin	1997						<0.02	0.19	4	Fromme, et al. 2002	Dry wt.; 35 waterways; detected in 11% of samples	
Germany	N/A	112	0.25		<0.5		<0.5	<0.5	4	Steffen and Lach, 2000		
Lake Kettelmeer, 67-69	1995	2	0.08						2	Remberger, 1997	DW	
Lake Kettelmeer, 69-71	1995						0.04	0.05	2	Remberger, 1997	DW	
Lake Kettelmeer, 71-73	1995						0.02	0.12	2	Remberger, 1997	DW	
Lake Kettelmeer, 73-75	1995								2	Remberger, 1997	DW	
Lake Kettelmeer, 75-77	1995								2	Remberger, 1997	DW	
Lake Kettelmeer, 77-79	1995								2	Remberger, 1997	DW	
Lake Kettelmeer, 79-81	1995								2	Remberger, 1997	DW	
Lake Kettelmeer, 81-83	1995								2	Remberger, 1997	DW	
Lake Kettelmeer, 83-85	1995							0.06	0.07	2	Remberger, 1997	DW
Netherlands	1999	36	0.012		0.004		<0.004	0.078	1	ALcontrol, 1999	Detected in 18 of 36 samples	
Netherlands	1999				0.014		<0.0045	0.06	1	Vethaak, et al. 2002	Detected in 12 of 21 samples; median calc. using detected values only	
NL: Veenwoude	2000	1	0.04				<0.08		1	David and Sandra, 2001	Dry wt.; 13.87% dry mass	
NL: Heerde	2000	1	0.01				<0.02		1	David and Sandra, 2001	Dry wt.; 62.03% dry mass	
NL: Vught	2000	1	0.01				0.01		1	David and Sandra, 2001	Dry wt.; 51.60% dry mass	
NL: Noorddeinde	2000	1	0.09				0.09		1	David and Sandra, 2001	Dry wt.; 50.73% dry mass	
Netherlands - 6 locations in North Sea	2000 spring	6	0.04		<0.04		<0.04	0.15	1	Klamer et al., 2005	Dry wt.; surface sediment (top 5 cm); < 63 um fraction	
Spain, Gernika, Bay of Biscay - Urdabai estuary	2003 March	4	0.69	0.23	0.63		0.50	1.0	4	Barblore et al., 2005		
Spain, coastal fishing port - marine sediment	N/A	1	0.13			0.13			1	Gimeno et al., 2003		
Spain, Cantabria - northern, Atlantic coastal marine sediment	2007 (Jul-Sept)	5	0.11		<0.05		<0.05	0.44	4	Antizar-Ladislao, 2009	Top 10 cm; sampling biased to locations affected by industry & shipping; det. at 1 of 5 loc.	
NRW Canals	91-92							<DL	2	Furtmann, 1993		

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Rhine	91-92						<DL	0.32	2	Furtmann, 1993	
Rhine Harbours	91-92						<DL	0.31	2	Furtmann, 1993	
Weser	91-92						<DL		2	Furtmann, 1993	
Northern Europe											
Brattoya	1996	1	0.01					<0.02	1	NIVA, 1996	Average = 1/2 DL
Breviksfjorden	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Denmark, Roskilde Vig	1996-99	26	0.0070	0.0047					2	Vikelsee et al., 2001	Fjord sediment; 210 m from WWTP outlet; dry wt.
Denmark, Roskilde Vig - Station 2	1996-99	2	0.0054	0.0040					2	Vikelsee et al., 2001	Fjord sediment; 1883 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 2044	1996-99	2	0.0036	0.0030					2	Vikelsee et al., 2001	Fjord sediment; 3881 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 60	1996-99	2	0.0044	0.0003					2	Vikelsee et al., 2001	Fjord sediment; 6374 m from WWTP outlet; dry wt.
Denmark, Isefjord - Bramsnaes	1996-99	2	0.0027	0.0003					2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Isefjord - Tempelkrog	1996-99	2	0.0046	0.0020					2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Hove A upstream Lake Gundsomagle	1998-99	2	0.0038	0.00001					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 100 m west	1998-99	2	0.0055	0.0005					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 200 m west	1998-99	2	0.0022	0.0003					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, south bank	1998-99	2	0.0014	0.0020					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Hove A downstream Lake Gundsomagle	1998-99	6	0.0017	0.0031					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Faerder	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Femunden Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Femunden Surface	1996	1	0.038					0.112	1	NIVA, 1996	Average = 1/2 DL
Frieriket	1996	1	0.112					0.112	1	NIVA, 1996	Average = 1/2 DL
Fuglevik	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Gracoyenna	1996	1	0.024					0.024	1	NIVA, 1996	Average = 1/2 DL
Gullaugbukta	1996	1	0.01					<0.02	1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Heddalsvatn Surface	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Holmen	1996	1	0.032					0.032	1	NIVA, 1996	Average = 1/2 DL
Kotelmeer, Netherlands	67-85							ND	2	Remberger, 1997	
Langsundsbukta	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Lundevatn Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Lundevatn Surface	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
MNorth Sea-MUST A1-K2	1995	1	0.06			0.06			4	ECPI Work Group, Memo, 1997	
Mjosa Furnestj. Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Mjosa Furnestj. Surface	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Mjosa Gjovik Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Mjosa Gjovik Surface	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Mjosa Hamar Reference	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Mjosa Hamar Surface	1996	1	0.023					0.023	1	NIVA, 1996	Average = 1/2 DL
North Sea GK 2	1995	1	0.045					<0.09	4	ECPI Work Group, Memo, 1997	Average = 1/2 DL
North Sea-Byfjorden	1995	1	0.08					0.08	4	ECPI Work Group, Memo, 1997	
North Sea-Glav 1	1995	1	0.17					0.17	4	ECPI Work Group, Memo, 1997	
North Sea-Havstenfjord	1995	1	0.12					0.12	4	ECPI Work Group, Memo, 1997	
Ornøya	1996	1	0.074					0.074	1	NIVA, 1996	
Slemmestad (VEAS)	1996	1	0.0035					<0.007	1	NIVA, 1996	Average = 1/2 DL
Swedish Lakes-Fracksjon 0-2 cm	1996	2	0.002						4	Parkman and Remberger, 1996	
Swedish Lakes-Fracksjon 14-16 cm	1996	3	0.005						4	Parkman and Remberger, 1996	
Swedish Lakes-Fyrisan 0-2 cm	1996	3	0.001						4	Parkman and Remberger, 1996	
Swedish Lakes-Fyrisan 8-10 cm	1996	3	0.001						4	Parkman and Remberger, 1996	
Swedish Lakes-Harsvatten 0-2 cm	1996	3	0.002						4	Parkman and Remberger, 1996	
Swedish Lakes-Harsvatten 12-13 cm	1996	3	0.01						4	Parkman and Remberger, 1996	per organic material
Swedish Lakes-Harsvatten 14-16 cm	1996	3	0.008						4	Parkman and Remberger, 1996	
Swedish Lakes-Motala Strom 0-2 cm	1996	3	0.01						4	Parkman and Remberger, 1996	
Swedish Lakes-Motala Strom 14-16 cm	1996	3	0.01						4	Parkman and Remberger, 1996	
Swedish Lakes-Ornholmsviken 0-2 cm	1996	3	0.002						4	Parkman and Remberger, 1996	
Swedish lakes-Riddarfjorden 0-2 cm	1996	3	0.007						4	Parkman and Remberger, 1996	
Swedish lakes-Riddarfjorden 0-2 cm	1996	3	0.029						4	Parkman and Remberger, 1996	
Swedish lakes-Riddarfjorden 14-16 cm	1996	3	0.001						4	Parkman and Remberger, 1996	
Swedish Lakes-Svartan 0-2 cm	1996	3	0.027						4	Parkman and Remberger, 1996	
Swedish Lakes-Svartan 6-8 cm	1996	3	0.007						4	Parkman and Remberger, 1996	
		286	0.12				0.001	18.2			
ECO AB at Svartan	1994	3	0.179	0.288					3	Parkman and Remberger, 1995	Dry wt.
ECO AB at Svartan	1994	3	4.01	1.64					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Arasviken	1994	3	0.004	0.002					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Arasviken	1994	3	0.04	0.03					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Archip Goteborg	1994	1	0.018	N/A					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Archip Goteborg	1994	3	0.31	N/A					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Bohus	1994	3	N/A						3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Bohus	1994	3	N/A						3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Breddreven	1994	3	N/A						3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Breddreven	1994	3	N/A						3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Halvarsnoret	1994	3	N/A						3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Halvarsnoret	1994	3	N/A						3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Holmsjon	1994	3	0.004	0.006					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Holmsjon	1994	3	0.01	0.02					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Lesjon	1994	3	0	0					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Lesjon	1994	3	0.07	0.1					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Mockeln	1994	3	0.032	0.035					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Mockeln	1994	3	0.52	0.36					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Torrvarpen	1994	3	0.013	0.007					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Torrvarpen	1994	3	0.08	0.04					3	Parkman and Remberger, 1995	per organic material
Gullspangsalven-Trollhatten	1994	3	0.006	0.005					3	Parkman and Remberger, 1995	Dry wt.
Gullspangsalven-Trollhatten	1994	3	0.16	0.13					3	Parkman and Remberger, 1995	per organic material
Stockholm	1994	6	0.029	0.007					3	Parkman and Remberger, 1995	Dry wt.
Stockholm	1994	6	0.22	0.01					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Abiskojaure	1994	2	0.001	0					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Abiskojaure	1994	2	0.02	0					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Brunnsjon	1994	3	0.087	0.102					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Brunnsjon	1994	3	0.16	0.19					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Fracksjon	1994	3	0.05	0.09					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Fracksjon 0-2 cm	1994	3	0.016	0.027					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Harsvatten	1994	3	0.05	0.03					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Harsvatten 0-2 cm	1994	3	0.022	0.014					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Jutsajaure	1994	3	0.007	0					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Jutsajaure	1994	3	0.03	0					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Krageholmsson	1994	3	0.007	0.007					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Krageholmsson	1994	3	0.01	0.02					3	Parkman and Remberger, 1995	per organic material
Swedish Lakes-Ornholmsviken 8-10 cm	1994	3	0.066	0.003					3	Parkman and Remberger, 1995	Dry wt.
Swedish Lakes-Stensjon	1994	3	0.2	0.01					3	Parkman and Remberger, 1995	per organic material
Tarkett in Ronnebyhamn	1994	3	0.194	0.215					3	Parkman and Remberger, 1995	Dry wt.
Tarkett in Ronnebyhamn	1994	3	0.66	0.71					3	Parkman and Remberger, 1995	per organic material
Upstream ECO AB at Ornaryd	1994	3	0.016	0.004					3	Parkman and Remberger, 1995	Dry wt.

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Upstream ECO AB at Ormaryd	1994	3	0.02	0.01					3	Parkman and Remberger, 1995	per organic material
Upstream of Tarkett	1994	3	0.023	0.007					3	Parkman and Remberger, 1995	Dry wt.
Upstream of Tarkett	1994	3	0.26	0.2					3	Parkman and Remberger, 1995	per organic material
Canada											
Marine Sediment, BC	N/A							0.370	4	EC & HC (2000)	dry wt.; 34 samples
BC Marine and Freshwater	N/A							<0.100	4	EC & HC (2000)	Rogers and Hall, 1987; Swain and Walton 1990; Axy's Analytical Services Ltd., 1992, SEAM, 1996
Detroit River	N/A						0.120	0.220	4	EC & HC (2000)	in 3 samples; in Fallon and Horvath, 1985
B.C. - marine sediments	N/A						0.092	0.0695	4	Mackintosh et al., 2002	Corrected for blanks; det. in all 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	17	0.0324		0.0298		0.0207	0.0505	1	Mackintosh et al., 2006	
B.C. - False Creek	1991	12	0.034		0.033		0.020	0.083	4	Garrett, 2000	Average calculated using 1/2 detection limits (vary by sample)
B.C. - Vancouver Harbour	1991	10	0.044		0.033		0.015	0.170	4	Garrett, 2000	
B.C. - Fraser River, near wood preservers	1990	1	0.035		0.035		0.035	0.035	4	Garrett, 2000	
B.C. - Victoria Harbour and Esquimalt	1990	22	0.106		0.062		0.037	0.370	4	Garrett, 2000	
Ontario, Hamilton Harbour - near outflow of STP	1997	5	0.055		<0.11		<0.11	<0.11	1	McDowell and Metcalfe, 2001	Dry wt.; 5 locations ranging from 0 to 400 m from STP outflow
		67	0.060				0.0092	0.370			
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.080		0.034		ND	0.28	1	Zeng et al., 2008a	Top 10 cm; det. in 73% samples
Japan, Ariake S	1987						ND	0.013	4	Kishi, 1996	3 samples
Japan - bottom sediment	1987						ND	0.016	4	Kishi, 1996	3 samples
Japan - bottom sediment	1985						<0.010	0.016	4	Japan MOE, 2003	Detected in 2 of 27 samples
Japan - 15 major rivers	late 1998	20	0.006		<0.010		<0.010	0.014	2	MOC, 1999a and c	Detected at 4 of 20 sites
Japan - 15 major rivers	summer 1999	20	0.006		<0.010		<0.010	0.030	2	MOC, 1999a and c	Detected at 1 of 20 sites
Japan - major rivers	spring 1999	27	0.005		<0.010		<0.010	<0.010	4	MOC, 1999b	Not detected at any of 27 sites
Japan - rivers, sea areas, lakes - nationwide	1998	152	0.015		<0.010		<0.010	1.400	4	JEA, 1999	Detected at 10 of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.027		<0.010		<0.010	0.270	4	Japan MOE, 2000b	Detected at 14 of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.018		<0.010		<0.010	0.032	4	Japan MOE, 2000b	Detected at 3 of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.038		<0.010		<0.010	0.015	4	Japan MOE, 2000b	Detected at 5 of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.020		0.011		<0.010	0.140	4	Japan MOE, 2001a	Detected at 18 of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.028		0.027		<0.010	0.055	4	Japan MOE, 2001a	Detected at 3 of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.007		<0.010		<0.010	0.019	4	Japan MOE, 2001a	Detected at 2 of 11 sites
Taiwan - rivers	2000 (Jan.-Aug.)	6	0.2		ND		1.8	1.8	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		336	0.021				<0.010	1.8			
Other											
Greenland	2002						0.0063	0.0140	3	Vorkamp et al., 2004	Not corrected for blanks; unclear if wet wt or dry wt basis
Suspended Particulate Matter											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe											
Netherlands	1999				0.042		<0.0045	3	1	Vethaak, et al. 2002	Detected in 32 of 51 samples; median calc. using detected values only
Rhine River -12 Consecutive Days	1986	12	0.3				0.01	0.1	1	Ritsemma et al. 1989	Suspended Particulate matter, dry weight
Yssel Lake/River	1986	6	0.015				<0.01	0.05	1	Ritsemma et al. 1989	Suspended Particulate matter, dry weight
		18	0.21				<0.0045	3			
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	11	2.655				1.250	5.65	1	Mackintosh et al., 2006	
		11	2.655				1.25	5.65			
Concentration as ng/L											
North Sea - German Bight	2004 (Feb-Mar)	9	0.02	0.01	<0.01		<0.01	0.03	1	Xie et al., 2005	Total suspended matter
Norwegian Coast -marine; 0.75 um fraction	2004 (summer)	5	0.0001		<0.0002		<0.0002	<0.0002	1	Xie et al., 2007	Total suspended matter
Arctic - marine; 0.75 um fraction	2004 (summer)	8	0.0001		<0.0002		<0.0002	<0.0002	1	Xie et al., 2007	Total suspended matter
Central - marine; 0.75 um fraction	2004 (summer)	3	0.0001		<0.0002		<0.0002	<0.0002	1	Xie et al., 2007	Total suspended matter
		25	0.007				<0.0002	0.03			
Soil											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
USA											
North Carolina - Raleigh area, summer - day cares	1997	4	32				<2	64	4	Wilson, et al. 2003	Soil in children's play areas; det. in 2 of 4 samples
North Carolina - Raleigh area, summer - inside homes	1997	9	39				<2	91	4	Wilson, et al. 2003	Soil in children's play areas; det. at 1 of 9 homes
		13	37				<2	91			
US Soil											
Florida - construction and demolition soil fines - Site A	83-97	97	60202	311725	840		1600	35600	2	ATSDR Hazdat, 1998	Detected in 12 of 12 samples
Florida - construction and demolition soil fines - Site B	N/A						<300	17600	2	Jang and Townsend, 2001	Detected in 3 of 5 samples
Florida - construction and demolition soil fines - Site C	N/A						<300	30100	2	Jang and Townsend, 2001	Detected in 3 of 6 samples
Florida - construction and demolition soil fines - Site D	N/A						1000	20500	2	Jang and Townsend, 2001	Detected in 6 of 6 samples
Florida - construction and demolition soil fines - 12 Sites	N/A						<300	13300	2	Jang and Townsend, 2001	Detected in 5 of 12 samples
Europe/UK											
Denmark - Roskilde; uncultivated soil	1996	20	0.1				<0.1	0.3	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; ecologically cultivated for 40 y	1996	20	0.14				<0.1	0.5	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	0.4				<0.1	1	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; cultivated using artificial fertilizer	1996	20	0.05		<0.1		<0.1	0.1	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (medium arnts)	1996	20	0.09		<0.1		<0.1	0.3	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (low arnts)	1996	20	0.05		<0.1		<0.1	0.04	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Germany, Northeast Bavaria - forested area - topsoil	1998-99	2	10.1						4	Streck and Herrmann, 2000	
Germany, Stuttgart	N/A				18				4	IMEG, 1999 sited in Langenkamp and Part, 2000	160 samples; 90th percentile = 59 ug/kg
Netherlands	19987	31	2.9		<4		<4	10	1	ALcontrol, 1999	Detected in 5 of 31 samples
UK - brickearth, Hamble Series	N/A	1	0.2			0.2			4	Gibson et al., 2005	
UK - gault clay, Evesham Series	N/A	1	0.8			0.8			4	Gibson et al., 2005	
		155	0.8				<0.1	18			
Denmark - Roskilde; sludge amended soil (high arnts)	1996	20	29		25		25	41	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (high arnts) 2 y later	1996	24	28		25		7	51	1	Vikelsøe et al., 1999	
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	5.6		<0.1		<0.1	29	1	Vikelsøe et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Soil Core-Span	N/A	12				400			3	Navarro, 1991	
Germany-soil near plant	86-89	16	30					100	4	Muller and Kordel, 1993	
Japan/Asia											
China, Beijing - 30 locations in urban areas	N/A	30	29	16	33		ND	60	4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 17 ug/kg; dry wt; DL not provided
China, Guangzhou - Panyu District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 0% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	454		48		59	1580	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	4		50		ND	50	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 8.3% samples
China, Guangzhou - Lwan District, agricultural soil	2006 (July)	8	35		140		ND	180	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 25% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	25		150		ND	151	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 16.7% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	402	461	753		ND	1580	1	Zeng et al., 2009	Top 5 cm; det. in 82.4% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	32	50	25		ND	163	1	Zeng et al., 2009	Top 5 cm; det. in 53.8% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	47	60	24		ND	156	1	Zeng et al., 2009	Top 5 cm; det. in 85.7% samples

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Other											
Mexico, Hidalgo - agr. area irrigated with untreated wastewater 90 y	N/A						131	346	4	Duran-Alvarez et al., 2009	upper 30 cm
Air											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality	Reference	Comments
USA											
Outdoor											
Lubbock	81-82	33	1						1	Weschler, 1984	
North Carolina - central; spring	1997	10	130				15.8	733	4	Wilson, et al. 2001	10 child day care centres
North Carolina - Raleigh area, summer - outside day cares	1997	4	133				102	192	4	Wilson, et al. 2003	
North Carolina - Raleigh area, summer - outside homes	1997	9	127				<1.00	474	4	Wilson, et al. 2003	Det. at 1 of 9 locations
Portland	1985	10	5	0.8					1	Ligocki, 1989	Gas
Portland	1985	10	4.1	3.1					1	Ligocki, 1989	Particulates
Riverside, CA-24 Hour	1990					7			2	Sheldon, et al., 1993	24 hour source strength
Riverside, CA-Outdoor Air-Day	1990					NQ		5.3	2	Sheldon, et al., 1993	Below method quantifiable limit
Riverside, CA-Outdoor Air-Night	1990					NQ		6.7	2	Sheldon, et al., 1993	Below method quantifiable limit
Wichita	81-82	36	20						1	Weschler, 1984	
		112	34				<1	733			
Indoor											
North Carolina - central; spring	1997	10	100				11.6	581	4	Wilson, et al. 2001	10 child day care centres
North Carolina - Raleigh area, summer - day cares	1997	4	144				151	144	4	Wilson, et al. 2003	
North Carolina - Raleigh area, summer - inside homes	1997	9	143				50.7	267	4	Wilson, et al. 2003	
Riverside, CA-Indoor Air-Day	1990					34		140	2	Sheldon, et al., 1993	High 90th %; EC & HC, 2000
Riverside, CA-Indoor Air-Night	1990					35		120	2	Sheldon, et al., 1993	High 90th %; EC & HC, 2000
Residential/office/personal exposure	2000	3	72				10	172	1	Rudel et al. 2001	Detected in 3 of 6 samples; similar levels detected in field blanks
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	38			<31	<31	480	2	Rudel et al. 2003	Detected in 44% of samples; detection limit = 31 ng/m3
New York City, indoor air - residences; 2 week samples	2001-2006	32	30					30	2	Adibi et al., 2008	"Average" is geo mean
New York City, personal air samples (48 h)	2001-2006	96	50				10	270	2	Adibi et al., 2008	Det. in 100% samples; low and high are 5th and 95th perc.; ave. is geo mean
New York City - personal air samples (48 h)	2000 (Mar-July)	30	100	150	40		10	630	1	Adibi et al., 2003	
		304	54				10	630			
Central Europe											
Outdoor - vapour phase and total air											
Kortrijk-1 km upwind of incinerator	1998	1	0.5				<1		1	RIC, 1998	Average = 1/2 DL
Kortrijk-100m from Greenhouse	1998	1	0.5				<1		1	RIC, 1998	Average = 1/2 DL
Kortrijk-10m from Greenhouse	1998	1	0.5				<1		1	RIC, 1998	Average = 1/2 DL
Kortrijk-1m from Greenhouse	1998	1	2				<1		1	RIC, 1998	
Kortrijk-300m downwind of incin	1998	1	0.5				2		1	RIC, 1998	Average = 1/2 DL
Kortrijk-City Traffic	1998	1	1				<2		1	RIC, 1998	Average = 1/2 DL
Kortrijk-Highway Traffic	1998	1	1				<2		1	RIC, 1998	Average = 1/2 DL
Kortrijk-Outside Laboratory	1998	5	1			<2			1	RIC, 1998	Average = 1/2 DL
Belgium - Rural area	19987	3	1.65								
France, Paris - total atmospheric conc.	May 2002-Apr 03	20	5.4	3.0			<3.3	<3.3	1	Tienpont, et al. 2000	
France, Paris - vapour phase	May 2002-Apr 03	20	4.7				0.5	12.2	4	Teil et al. 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.002				<0.002	0.004	1	Xie et al., 2006	Vapour; 5 m above ground
Italy - near DBP processing plant	1999	2	5				<10		1	RIC, 2000	Average = 1/2 DL
Italy - near DBP/DEHP processing plant	1999	2	5				<10		1	RIC, 2000	Average = 1/2 DL
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	1				<2	<2	1	David and Sandra, 2001	Total air (vapour + aerosol); winter
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	1				<2	<2	1	David and Sandra, 2001	Summer
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	3				<2	3	1	David and Sandra, 2001	Summer
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	2				<2	2	1	David and Sandra, 2001	Summer
Netherlands - Spuulderveld (north of Utrecht); remote area	2000	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Spuulderveld (north of Utrecht); remote area	2000	2	3				<2	3	1	David and Sandra, 2001	Summer
Netherlands - Spuulderveld (north of Utrecht); remote area	2001	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Spuulderveld (north of Utrecht); remote area	2001	2	3				3	4	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	1				<2	<2	1	David and Sandra, 2001	Winter
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	1				<2	<2	1	David and Sandra, 2001	Summer
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	1				<2	<2	1	David and Sandra, 2001	Winter
North Sea - German Bight	2004 (Feb-Mar)	10	0.02	0.02	0.01		0.01	0.04	1	Xie et al., 2005	Vapour
U.K., Birmingham - 10 m from busy road	1999-2000	24	0.48	0.40						Harrad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
U.K., Birmingham - University "green space"	1999-2000	24	0.72	1.55					4	Harrad et al., 2003	Sampled 24 times over a 1 y period; suspended partic. matter and vapour
		151	2.0				-0.002	12.2			
Europe											
Outdoor - particulates											
France, Paris - particulate phase	May 2002-Apr 03	20	0.3		0.3		0.1	0.5	4	Teil et al. 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.032				0.021	0.044	1	Xie et al., 2006	Particulates; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	10	0.05	0.01	0.05		0.05	0.06	1	Xie et al., 2005	Particulates
		36	0.19				0.021	0.5			
Italy - stack emission DBP processing plant	1999	1					<10		1	RIC, 1999	
Italy - stack emission DBP/DEHP processing plant	1999	1					<10		1	RIC, 1999	
Italy - unfiltered emission DBP/DEHP processing plant	1999	1					<10		1	RIC, 1999	
Kortrijk-PVC proc exhaust	1998	1	2.36E+05				2.36E+05		1	RIC, 1998	
Kortrijk-Incin Exhaust, filtered	1998	1	1				<1		1	RIC, 1998	
Kortrijk-Incin Exhaust, unfiltered	1998	1	0.5				<1		1	RIC, 1998	
Kortrijk-PVC proc prod unit	1998	1	2151				2151		1	RIC, 1998	
Indoor											
Kortrijk-Inside Laboratory	1998	5	12						1	RIC, 1998	
Kortrijk-Inside Greenhouse	1998	1	48				48		1	RIC, 1998; Tienpont, et al. 2000	
Kortrijk-Underground Parking	1998	5	13					26	1	RIC, 1998	
Kortrijk-Underground Parking	1999	1	23				23		1	RIC, 1998	summer; parking not full
Kortrijk-Underground Parking	1999	1	17				17		1	RIC, 1998	summer; full capacity
Kortrijk-House w/15 year old PVC Floor	1998	1	465				465		1	RIC, 1998	
Kortrijk-House w/5 year old PVC Floor	1998	1	17				17		1	RIC, 1998	
Inside Car 1	1998	1	1.5				<3		1	RIC, 1998	Average = 1/2 DL
Inside Car 2-New	1998	1	1.5				<3		1	RIC, 1998	Average = 1/2 DL
Inside Car 2-Old	1998	1	1.5				<3		1	RIC, 1998	Average = 1/2 DL
Kortrijk-Flooring shop	1998	1	192				<5		1	RIC, 1998	
Kortrijk - Sports Hall	1998	5	2.5				<5		1	RIC, 2000	Average = 1/2 DL
Kortrijk - Kindergarten	2000	2	6				6	7	1	RIC, 2000	
Germany, Berlin - 59 apartments	2000-01	59	37		18		N/A	575	4	Fromme et al., 2004	95th percentile = 75 ng/m3; det. in 50 of 59 samples
Germany, Berlin - 74 kindergartens	2000-01						N/A	391	4	Fromme et al., 2004	95th percentile = 26 ng/m3; det. in 18 of 74 samples
Norway, Oslo University College corridor - measured on PM10	2003	1	4.8				4.8		1	Rakkestad et al., 2007	
Norway, Oslo University College office - measured on PM10	2003	1	12				12		1	Rakkestad et al., 2007	
Norway, Oslo University College stairway - measured on PM10	2003	1	2.6				2.6		1	Rakkestad et al., 2007	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Norway, Oslo University College computer room - measured on PM10	2003	1	18			18			1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM10	2003	1	6.8			6.8			1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM2.5	2003	1	8.4			8.4			1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM10	2003	1	25			25			1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM2.5	2003	1	3.6			3.6			1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playroom - measured on PM10	2003	1	5.2			5.2			1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playroom - measured on PM2.5	2003	1	0.1			<0.2			1	Rakkestad et al., 2007	
Norway, Smeestad primary school corridor - measured on PM10	2003	1	10			10			1	Rakkestad et al., 2007	
Norway, Smeestad primary school corridor - measured on PM2.5	2003	1	8.1			8.1			1	Rakkestad et al., 2007	
Norway, Smeestad primary school library - measured on PM10	2003	1	1.2			1.2			1	Rakkestad et al., 2007	
Norway, Smeestad primary school library - measured on PM2.5	2003	1	1.9			1.9			1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM10	2003	1	17			17			1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM2.5	2003	1	14			14			1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM10	2003	1	15			15			1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM2.5	2003	1	10			10			1	Rakkestad et al., 2007	
Norway, Lindem kindergarten - measured on PM10	2003	1	5.3			5.3			1	Rakkestad et al., 2007	
Norway, Lindem kindergarten - measured on PM2.5	2003	1	8.5			8.5			1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM10	2003	1	11			11			1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM2.5	2003	1	5.9			5.9			1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM10	2003	1	4.1			4.1			1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM2.5	2003	1	4.1			4.1			1	Rakkestad et al., 2007	
Poland, Krakow - personal air samples (48 h)	2000-01	30	40	40	20	40	0	190	1	Adibi et al., 2003	
		139	32				<0.2	575			
Italy - Inside DBP processing plant	1999	1				<10			1	RIC, 1999	
Italy - Inside DBP/DEHP processing plant	1999	1				<10			1	RIC, 1999	
Canada											
Outdoor											
Ambient air Vancouver		5	NA				0.38	1.78	4	EC & HC (2000)	Belzer, 1997
							0.38	1.78			
Indoor											
Indoor air		7578	ND						4	EC & HC (2000)	Otson et al., 1994
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct.-Dec.)	59	1.1			<0.72	<0.72	4.0	4	Japan MOE, 1999a	Detected in 24 of 59 samples
Japan - Residential areas	1998 (Oct.-Dec.)	60	0.83			<0.72	<0.72	4.0	4	Japan MOE, 1999a	Detected in 15 of 60 samples
Japan - Suburbs	1998 (Oct.-Dec.)	59	0.67			<0.72	<0.72	5.5	4	Japan MOE, 1999a	Detected in 8 of 59 samples
Japan - Industrial areas	2000 spring	6	2.3			2.9	<1.1	3.5	4	Japan MOE, 2000a	Detected in 4 of 6 samples
Japan - Residential areas	2000 spring	6	3.0			3.2	2.3	3.3	4	Japan MOE, 2000a	Detected in all 6 samples
Japan - Suburbs	2000 spring	6	0.84		0.54	0.84	<1.1	2.3	4	Japan MOE, 2000a	Detected in 1 of 6 samples
		196	0.97				<0.72	5.5			
Indoor											
Korea - nationwide survey of 24 sites	N/A							5.571	4	Choi et al., 2001	Detected in 12 of 24 samples; units presented as ng/Nm3
Japan - Ibaraki Prefecture	1991	1	500			500			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	294				<100	1200	3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	400				200	600	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50				<100	<100	3	Watanabe, 2001	August; 30 m to 100 m above ground surface
Indoor											
Tokyo - six houses	2000	6	60			80	<1.2	100	1	Otake et al. 2001	Sampling in April and May; detected in 5 of 6 samples
Tokyo - 27 houses and apartments - spring and autumn	2000	27	20	30	10		<1	110	4	Otake et al. 2004	Includes data presented in Otake et al., 2001
		33	27				<1	110			
Other											
Arctic, Alert - particle phase	1991 (Feb-June)	10	0.017	0.014	0.012		0.004	0.049	1	Fu et al., 2009	Weekly samples; detected in 10 of 16 samples; only detected data reported
Arctic - gas phase	2004 (summer)	6	0.043		0.040		0.017	0.068	1	Xie et al., 2007	
Arctic - particle phase	2004 (summer)	6	0.034		0.030		0.018	0.056	1	Xie et al., 2007	
Dust											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
USA											
Indoor - One office sample, five residential samples	2000	6	1.17E+05		1.84E+05		1.21E+04	5.24E+05	1	Rudel et al. 2001	Sieved to < 150 um
Cape Cod, MA - 120 residences	1999-2001	119	1.24E+05		4.54E+04		3.87E+03	1.31E+06	2	Rudel et al. 2003	Detected in 100% of samples; detection limit = 3000 ug/kg
North Carolina - central; spring	1997	10	6.77E+04				1.51E+04	1.75E+05	4	Wilson, et al. 2001	floor dust in 10 child day care centres
North Carolina - Raleigh area, summer - day cares	1997	4	3720				22	7430	4	Wilson, et al. 2003	Floor dust; sieved to < 150 um
North Carolina - Raleigh area, summer - inside homes	1997	9	5860				496	15600	4	Wilson, et al. 2003	Floor dust; sieved to < 150 um
		148	1.1E+05				2.20E+01	1.31E+06			
Central Europe											
Outdoor											
France, Paris - particulates	May 2002-Apr 03	20	1.45E+04		12700		1000	24000	4	Tell et al. 2006	
		20	1.45E+04				1000	24000			
Indoor											
Belgium - House Dust	N/A	12	4.01E+05		1.19E+05		2.00E+03	2.28E+06	4	David et al. 2001	
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	1.75E+06				1.75E+06		1	RIC, 1998	
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	23000				23000		1	RIC, 1998	
Belgium, Kortrijk-Dust in Sports Arena indoor	1998	1	3000				3000		1	RIC, 1998	
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	7.51E+05				7.51E+05		1	RIC, 1998	
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	10000				10000		1	RIC, 1998	
Belgium, Kortrijk - Kindergarten floor	2000	1	9000				9000		1	RIC, 2000	
Belgium, Kortrijk - Underground parking	1998	1	500				<1000		1	RIC, 1998	Average = 1/2 DL
Belgium, Kortrijk - Underground parking	1999	1	1.51E+04				1.51E+04		1	RIC, 1998	
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	1.96E+05		9.76E+04		9.70E+03	9.68E+05	4	Greenpeace Belgium, 2004	23 individual and pooled samples
Bulgaria, Sofia & Burgas- children's rooms (dust above floor level)	2004-2005	177	3.20E+05		3.4E+05		<2.6E+05	2.73E+06	4	Kolarik et al., 2008a and b	Det. in 96% samples; 95th%CI of geo mean = 2.8E+05 to 3.8E+05
France - house dust	2002	1	9.30E+03			9.30E+03			4	Santillo, et al. 2003	
Germany, Berlin - house dust, 30 apartments	2000-01	30	8.61E+04		2.97E+04		N/A	8.16E+05	4	Fromme et al., 2004	95th percentile = 218,500
Germany - North; house dust, 286 homes; 63 um fraction	N/A				4.90E+04				4	Butte et al. 2001 cited in Wensing et al 2005	95th percentile = 320,000
Germany - Hamburg; house dust, 65 homes; 63 um fraction	N/A				1.90E+04				4	Kersten & Reich, 2003 cited in Wensing et al 2005	95th percentile = 230,000
Germany - house dust, 199 homes; 2 mm fraction	N/A				1.50E+04				4	Becker et al. 2002 cited in Wensing et al 2005	95th percentile = 207,000
Netherlands - House dust	2001	115	1.40E+05	2.44E+05	5.10E+04		1.40E+03	1.98E+06	4	Greenpeace, 2001	90th percentile = 387,000
Netherlands - School dust	2001	12	4.82E+04	8.11E+04	2.95E+04		2.60E+03	3.01E+05	4	Greenpeace, 2001	90th percentile = 51,000
Netherlands - Office dust	2001	7	2.93E+04	3.20E+04	2.20E+04		1.10E+03	9.50E+04	4	Greenpeace, 2001	90th percentile = 63,000
Netherlands - Hospital, university, hotel dust	2001	3	4.15E+04	5.08E+04	1.60E+04		8.60E+03	1.00E+05	4	Greenpeace, 2001	90th percentile = 63,000
Spain - house dust	2002	1	1.42E+05			1.42E+05			4	Santillo, et al. 2003	
U.K. - house dust	2002 (Oct-Nov)	29	5.65E+04		2.45E+04		<100	2.39E+05	4	Santillo, et al. 2003	Detected in 28 of 29 samples
Northern Europe											
Denmark - house dust	2002	3	3.56E+04		2.61E+04		1.36E+04	6.71E+04	4	Santillo, et al. 2003	Detected in all 3 samples
Finland - house dust	2002	3	3.26E+04		3.22E+04		2.70E+04	3.85E+04	4	Santillo, et al. 2003	suspended particulate
Norway		1	1.10E+05			1.10E+05			4	EC & HC, 2000	
Norway - House Dust- Oslo-Sedimented Dust	1992-93	38	1.10E+05				ND	4.40E+05	2	Oie et al., 1997	38 dwellings
Norway - House Dust- Oslo-Suspended Particulate Matter	1992-93	6	1.40E+05	3.00E+05			ND	7.50E+05	2	Oie et al., 1997	6 dwellings

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Sweden - house dust; children's bedrooms	Oct 2001-Apr 2002	346	3.19E+05		1.35E+05		<40.000		1	Bornehag et al., 2004	Detected in 272 samples; geo. mean = 181.000
Sweden - house dust	2002	2	7.88E+04		7.88E+04		6.02E+04	9.74E+04	4	Santillo, et al. 2003	
		817	2.52E+05				<100	2.73E+06			

Deposition		Date	N	Units of ug/m2ly		Single Point	Range		Data Quality	Reference	Comments
Location			Average	SD	Median		Low	High			
Europe											
Denmark, Roskilde, Lille Valby meteorological station		1996-97	15	17	15		<0.1	49	1	Vikelsøe et al., 2001, 1998	
France, Paris - bulk deposition		May 2002-Apr 03	1	54.1			<0.1	49	4	Teil et al. 2006	Wet dep = 24.5 ug/m2ly; calc. dry dep. = 29.6 ug/m2ly
			16	19							

Precipitation		Date	N	Concentration in ug/L		Single Point	Range		Data Quality	Reference	Comments
Location			Average	SD	Median		Low	High			
Europe											
France, Paris - rainwater		May 2002-Apr 03	72	0.081					4	Teil et al. 2006	
Bocholt-Rainwater		1992						2.14	1	Furtmann, 1993	Average Deposition ug/m2
NRW-Rainwater		1991						0.4	1	Furtmann, 1993	Average Deposition ug/m2
NRW-Rainwater		1992						0.19	1	Furtmann, 1993	
Tonisevorst-Rainwater		1992						0.34	1	Furtmann, 1993	Average Deposition ug/m2
Germany, Northeast Bavaria - forested area - rain		1998-99					0.004	0.0293	4	Streck and Herrmann, 2000	6 samples
Netherlands - rainwater		1999			0.16		0.14	0.26	1	Vethaak, et al. 2002	Detected in 3 of 3 samples
NL (47), Germany (2), Belgium (1); wet and dry deposition		2003 (Feb-Apr)	50	0.189	0.142	0.164	0.015	0.896	1	Peters, 2003	Detected in 100% of samples; MDL 0.010 ug/L
			122	0.125			0.004	2.14			

Japan/Asia		Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
China, Jinan (Shandong Province) - rainwater		2007 (Aug)	1	0.21			<0.41			4	Zhao et al., 2008	
			1	0.21			<0.41	<0.41			Mean represents one half detection limit	

Wastewater		Date	N	Concentration as ug/L		Single Point	Range		Data Quality	Reference	Comments	
Type			Average	SD	Median		Low	High				
USA												
California, south - reclaimed wastewater		2001-02	6	0.108		<0.26	<0.26	0.651	1	Loraine and Pettigrove, 2006	Det. in 1 of 6 samples	
California, south - wastewater influent		2001-02					<0.26	4.07	1	Loraine and Pettigrove, 2006		
Fort Devens, MA-wastewater inf		78-81	2	449		449			4	Bedient et al, 1983		
New Orleans WTP		N/A	1	0.1		0.1	0.64	0.83	4	USEPA, 1987		
Philadelphia WTP		N/A	9	100			0.1	449	4	USEPA, 1987		
CA, Oakland - residential wastewater		2006	2	0.88		0.74	0.76	1.0	3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from nail salon		2006	1	0.74		0.74			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - industrial laundry wastewater		2006	2	48			<0.14	95	3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - residential coin laundry wastewater		2006	1	<1.4		<1.4			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from diaper service		2006	1	0.2		0.2			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from pet wash		2006	1	2.3		2.3			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from veterinary clinic		2006	1	<7.1		<7.1			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from hospital and medical clinic		2006	2	0.78			0.74	0.82	3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from pharmaceutical manufacturer		2006	1	0.27		0.27			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from plastic bag manufacturer		2006	1	2.3		2.3			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from paper products manufacturer		2006	1	0.14		0.14			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from beverage manufacturer		2006	1	<2.7		<2.7			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - wastewater from adhesives manufacturer		2006	1	39		39			3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - pre-treated influent at WWTP		2006	2	8.0			1.9	14	3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	
CA, Oakland - treated effluent at WWTP		2006	3	0.55			<0.14	0.84	3	Jackson and Sutton, 2008	Conc. in blank = 1.5 ug/L	

Central Europe/UK		Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Belgium - Roeselare; WWTP influent		2001	16	0.5					ND	4	ECPI, 2001	Not detected; detection limit assumed to be 1.0 ug/L
Belgium - Roeselare; WWTP effluent		2001	16	0.5					ND	4	ECPI, 2001	Not detected; detection limit assumed to be 1.0 ug/L
Belgium - Negenmanneke; WWTP influent, domestic		2002	3	9.6		6.29		2.93	19.59	4	ECPI, 2002	
Belgium - Negenmanneke; WWTP effluent, domestic		2002	3	0.04		<0.05		<0.05	0.08	4	ECPI, 2002	
France, Marne Aval - WWTP influent after pre-treatment (grit removal)		2006 (May)	7	1.12	0.54					1	Dargnat et al., 2009	
France, Marne Aval - WWTP final effluent		2006 (May)	7	0.30	0.12					1	Dargnat et al., 2009	Removal: 73%
France, Marne Aval - WWTP final effluent, rainy conditions		2007 (March)	1	0.541		0.541				1	Dargnat et al., 2009	
France, Paris - influent, dry weather		N/A				<0.10		<0.10	0.22	4	Gasperi et al., 2008	n=10; detected in 33% samples
France, Paris - wet weather, combined sewer overflow		N/A				<0.10		<0.10	0.32	4	Gasperi et al., 2008	n=13; detected in 17% samples
France, southeast of Paris, raw wastewater		N/A	1	0.05			<0.1			4	Bruchet et al., 2002	
France, southeast of Paris, raw & recycled wastewater		N/A	1	21.3			21.3			4	Bruchet et al., 2002	
France, southeast of Paris, treated wastewater		N/A	1	0.05			<0.1			4	Bruchet et al., 2002	
Domestic WW-Effluent		91-92					<DL			1	Furtman, 1993	
Domestic WW-Influent		91-92	1	0.8		0.8				1	Furtman, 1993	
Germany - effluent from 39 STPs		1997				<0.02		<0.02	0.7	4	Fromme, et al. 2002	Detected in 18% of samples
Germany - 2 'dump runoff samples'		1997	2	0.01			<0.02	<0.02	4	Fromme, et al. 2002		
Germany - 2 compost water samples		1997	2	0.01			<0.02	<0.02	4	Fromme, et al. 2002		
Germany - Baden-Wuerttemberg; STP effluent		1998-99	13	0.21	0.118			ND	0.45	2	Spengler, et al. 2001	Data from 18 STPs; blanks <5% of measured conc. (not corrected for)
Germany - chemical industry		1999	1	0.06		0.06				4	Alberti, et al. 2000	
Industrial WW-Effluent		91-92				<DL				1	Furtman, 1993	
Industrial WW-Influent		91-92	1	2.4		2.4				1	Furtman, 1993	
Netherlands - STP effluent		1999			0.07		<0.07	0.29	1	Vethaak, et al. 2002	Detected in 7 of 9 samples	
Netherlands-WW Treatment effluent		N/A			<0.1		<0.1	<0.1	4	van der Velde, et al.		
Netherlands-WW Treatment Influent		N/A			0.6		0.3	2	4	van der Velde, et al.		
Spain - outflow of wastewater treatment plant		N/A	1	0.2		0.2				1	Gimeno et al., 2003	
Spain, south Catalonia - effluent from WW plant		2002/7	1	0.0025			<0.005			1	Brossa et al., 2003	
Spain, Catalonia - Llobregat R. basin; influent from STP		2001 (autumn)	4	0.095				<0.19	<0.19	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Catalonia - Llobregat R. basin; effluent from STP		2001 (autumn)	4	0.095				<0.19	<0.19	4	Cespedes et al., 2005	24 h composite samples from 4 locations
Spain, Galicia - influent from STP		N/A	1	0.021		0.021				1	Polo et al., 2005	
Spain, Galicia - effluent from STP		N/A	1	0.001		<0.002				1	Polo et al., 2005	
Spain - wastewater from urban collector		N/A	1	0.127		0.127				1	Polo et al., 2005	
Spain, Granada - urban wastewater influent		N/A	6	0.220	0.29	<0.150		<0.150	0.8	1	Ballesteros et al., 2006	Detected in 1 of 6 samples
Spain, Granada - urban wastewater influent		N/A	6	0.013		<0.025		<0.025	4	Zafra-Gómez et al., 2008	Not detected in any of 6 samples	
Scotland - SEPA West Region - STW Effluent		1996	19	1.2		<1.0		<0.8	<16.9	4	Pirie et al., 1996	Not detected in any of 19 samples
Scotland - SEPA East Region - STW Effluent		1996	24	1.5	2.3	<1.3		<0.8	11.2	4	Pirie et al., 1996	Detected in 5 of 24 samples
UK - Petersfield, Hampshire - domestic STW raw sewage		2001-2002	23	1.46	1.64					4	Oliver et al., 2005	

Northern Europe		Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Denmark - Water extract of sludge		N/A	19	0.37		0.2		0.2	1.4	4	Ryfkors, 1996	
Denmark - Aalborg East municipal WWTP, influent		N/A	3	37.97	28.82			9.41	80.74	4	Roslev et al., 2007	24 hour samples
Denmark - Aalborg East municipal WWTP, effluent		N/A	3	3.13	1.17			1.99	4.33	4	Roslev et al., 2007	24 hour samples
Denmark - Avedøere WWTP, influent		2002 (10-11)	3	1.0	0.4	0.78		0.69	1.5	4	Jacobsen et al., 2004	Grab samples
Denmark - Avedøere WWTP, effluent		2002 (10-11)	3	0.05		<0.10		<0.10	<0.10	4	Jacobsen et al., 2004	Grab samples
Denmark - Roskilde, car wash		1996-97	26	16	35			0.5	150	1	Vikelsøe et al., 1998	Identified below detection limit of 2 ug/L
Denmark - Roskilde, hospital		1996	6	0.1				0.2	0.3	1	Vikelsøe et al., 1998	
Denmark - Roskilde, kindergarten		1996	1	320		320				1	Vikelsøe et al., 1998	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Denmark - Roskilde, industrial laundry	1996	2	1				<2		1	Vikseloe et al., 1998	Not detected in 2 samples tested
Denmark - Roskilde, WWTP inlet	1996	10	0.9				1	8	1	Vikseloe et al., 1998	Identified below detection limit of 2 ug/L
Denmark - Herlev, adhesives industry	1996	1						1400	1	Vikseloe et al., 1998	
Denmark - Roskilde WWTP - inlet	May-99	7	0.39	0.3	0.4		0.06	0.87	4	Fausser et al., 2001	Mean 0.23 ug/L in supernatant; 0.22 ug/L settled
Denmark - Roskilde WWTP - outlet	May-99	7	0.13	0.09	0.06		0.06	0.27	4	Fausser et al., 2001	
Finland, 4 STPs - influent	1998-2001						<1	5	2	Martinen et al., 2003a	
Finland, 4 STPs - effluent	1998-2001						<1	<1	2	Martinen et al., 2003a	
Norway, Bekkelaget Plant Slurry	1996	1	0.63		0.63				1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Inflow	1996	1	0.346		0.346				1	NIVA, 1996	
Norway, Bekkelaget Sewage Plant Outflow	1996	1	0.081		0.081				1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Inflow	1996	1	0.583		0.583				1	NIVA, 1996	
Norway, Fuglevik Sewage Plant Outflow	1996	1	0.5		0.5				1	NIVA, 1996	
Norway, Fuglevik Plant Slurry	1996	1	0.63		0.63				1	NIVA, 1996	
Norway, Veas Plant Slurry	1996	1	0.73		0.73				1	NIVA, 1996	
Norway, VEAS Sewage Plant Inflow	1996	1	0.26		0.26				1	NIVA, 1996	
Norway, VEAS Sewage Plant Outflow	1996	1	0.03		<0.06				1	NIVA, 1996	Avg assumed 1/2 single point
Sweden - Goteborg - carwash effluent	1990-92						2	30	4	Paxeus, 1996a	
Swedish POTW effluent	89-91								4	Paxeus, et al., 1992	
Swedish POTW Influent	89-91						1	10	4	Paxeus, et al., 1992	
Swedish POTW Influent	89	4	1.2						4	Paxeus, et al., 1992	
Swedish POTW Influent	90	4	2						4	Paxeus, et al., 1992	
Swedish POTW Influent	91	8	1.1						4	Paxeus, et al., 1992	
Sweden - municipal wastewater influent	1996						4	41	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - municipal wastewater effluent	1996						<0.01	3	4	Paxeus, 1999b	Six municipal WWTPs
Sweden - industrial wastewater	1990						<0.1	7	4	Paxeus and Avergard, 1992	8 large industries
Sweden - domestic wastewater	1988						<0.1	30	4	Mattson et al., 1991	2 residential areas
		282	3.9				-0.005	1400			
Portugal, Porto - ind. effluent from textile factory	1997	3	6.7		0.35		0.02	19.7	3	Castilo et al., 1999	
Canada											
Alberta industrial surface water	84-99	629	3.05	5.61	1		0.02	84	4	AENV R. Tchir, 1999	Database Analysed by O'Connor (see Clark, et al. 2001)
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	7	0.0245	0.026	0.016		0.0035	0.078	1	Alberta Environment, 2005	Det. In 7 of 8 samples; range and average are for detected values
		636	3.02				0.0035	84			
Japan/Asia											
Japan - POTW Effluent	N/A	10	0.1						4	Mitsubishi Chemical, 1998	Avg assumed 1/2 detection limit
Japan - POTW Influent	N/A						<0.2	1.5	4	Mitsubishi Chemical, 1998	
Japan - Sewage inflow; Tama and Yodo Rivers	late 1998	10	0.5		<0.2		<0.2	1.9	2	MOC, 1999a and c	9 sewage treatment plants; detected at 3 of 10 sites
Japan - Sewage inflow - 27 plants; Tohoku to Kansai Districts	winter 1999	9			0.1		<0.2	0.4	2	Nasu et al., 2001	
Japan - Sewage inflow; Tama and Yodo Rivers	summer 1999	9	0.1		<0.2		<0.2	0.3	2	MOC, 1999a and c	9 sewage treatment plants; less than quant. limit (0.6) at all 9 sites
Japan - Sewage plant effluent; Tama and Yodo Rivers	early 1998	10	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a and c	9 sewage treatment plants
Japan - Sewage plant effluent; Tama and Yodo Rivers	late 1998	10	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a and c	9 sewage treatment plants
Japan - Sewage effluent - 27 plants; Tohoku to Kansai Districts	winter 1999	9			<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 18 sites
Japan - Sewage plant effluent; Tama and Yodo Rivers	summer 1999	9	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a and c	9 sewage treatment plants
Japan, Tokyo (Fuchu) - Municipal STP effluent; dissolved phase	1999 (May-Nov)	3	0.00213				0.00136	0.0032	4	Nakada et al., 2004	
Japan, Tokyo (Fuchu) - Municipal STP effluent; particulate phase	1999 (May-Nov)	3	0.00124				<0.0002	0.00198	4	Nakada et al., 2004	
		64	0.15				<0.0002	1.9			
Other											
Australia, South East Queensland - WWTP influent	2004 (Nov)	1	0.001		<0.002				4	Tan et al., 2008	
Australia, South East Queensland - WWTP influent	2005 (March)	1	0.0063		0.0063				4	Tan et al., 2008	
Sludge											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
USA											
US Sludge	88-91	3	112,140	188673	3500		NA	NA	4	ATSDR Hazdat, 1998	
		3	112,140								
Central Europe/UK											
France, Toulouse - Glinesfos treatment plant	N/A	1	4,960				4,570	5,410	4	Sablayrolles et al. 2005	dry wt.
France, Marne Aul - WWTP, centrifuged sludge	2006 (May)	10	370	200					1	Dargnat et al., 2009	dry wt.
Germany - Northeast Bavaria-Primary Sludge	1989						ND	700	1	Zurmuhl, 1990	Detected in 6 of 9 samples; det. limit not specified
German Sludge- SF extraction	N/A	4	580	60					4	Kolb et al., 1997	
German sludge-100 day digestion	N/A	4	800	30					4	Kolb et al., 1997	
German sludge-100 day digestion	N/A	4	760	40					4	Kolb et al., 1997	
German sludge-25 day digestion	N/A	4	1380	90					4	Kolb et al., 1997	
German sludge-25 day digestion	N/A	4	1140	30					4	Kolb et al., 1997	
German sludge-25 day digestion	N/A	4	580	100					4	Kolb et al., 1997	
German Sludge-shake extraction	N/A	4	510	50					4	Kolb et al., 1997	
Germany - Brandenburg; domestic - summer	1993	9	360	<130			130	1700	1	Schnaak and John , 1994	95th percentile = 1200
Germany - Brandenburg; domestic - winter	1994	9	42,000	6,400			1000	341000	1	Schnaak and John , 1994	95th percentile = 208000
Germany - Brandenburg; municipal - summer	1993	11	620	450			<130	2200	1	Schnaak and John , 1994	95th percentile = 1800
Germany - Brandenburg; municipal - winter	1994	11	8,300	3,700			690	21000	1	Schnaak and John , 1994	95th percentile = 20000
Germany - Brandenburg; small industrial - summer	1993	5	3,000	180			<130	10000	1	Schnaak and John , 1994	
Germany - Brandenburg; small industrial - winter	1994	5	16,000	3,100			1100	65000	1	Schnaak and John , 1994	
Germany - 15 sewage sludge samples	1997	15	10				<20	<20	4	Fromme, et al. 2002	dry wt.
Switzerland - domestic	1999?7	4	316		<632		<632	<632	2	Berset and Etter-Holzer, 2001	Not detected in 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?7	6	316		<632		<632	<632	2	Berset and Etter-Holzer, 2001	Not detected in 6 samples
Switzerland - domestic, storm water, trgr amt. ind.	1999?7	2	316		<632		<632	<632	2	Berset and Etter-Holzer, 2001	Not detected in 2 samples
UK Sewage Sludge	N/A	1	15,000				520	210000	4	Wid and Jones, 1992	
UK - Ashford, mesophilic anaerobically dig. dewatered from WWTP	N/A	1	201		201				1	Gibson et al., 2005	
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	1,450	320					4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
Northern Europe											
Bekkelaget Plant Sludge	1996	1	1.2						1	NIVA, 1996	
Denmark - Aalborg East municipal WWTP, dewatered sludge	N/A	3	3,410	1260			2,520	4,300	4	Roslev et al., 2007	Dry wt. basis
Denmark - Sewage sludge	N/A	20	175.1		99		20	740	4	Rykfors, 1996	
Denmark - Roskilde WWTP - primary sludge	May-99	1	500	320			500		4	Fausser et al., 2001	Dry wt. basis
Denmark - Roskilde WWTP - secondary sludge	May-99	1	10				10		4	Fausser et al., 2001	Dry wt. basis
Finland, 4 STPs - prim., sec., digested sludge	1998-2001						<1000	3000	2	Martinen et al., 2003a	Dry wt.
Fuglevik Plant Sludge	1996	1	1.4				1.4		1	NIVA, 1996	
Norway - Sewage Sludge	N/A	10	7,900	8,300			600	23300	4	Blom, 1993	In KEMI
Sweden - Sewage Sludge	N/A	1	6,900				6,900		4	Blom, 1993	In KEMI
Veas Plant Sludge	1996	1	0.14				0.14		1	NIVA, 1996	
		189	4077				0.14	341,000			
Belgium - Negenmanneke; WWTP, domestic	2002	3	0.27		0.24		0.13	0.43	4	ECPI, 2002	Units are ug/L
Germany - liquid manure	1997						<20	<20	4	Fromme, et al. 2002	ug/kg dry wt.
Canada											
Hamilton and Winnipeg	80-85	7	6940				2100	14000	4	Webber and Lesage, 1989	
Municipal Canadian Sludges	93-94	72	2879				50	10100	4	Webber and Nichols, 1995	

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Vancouver area, 5 wastewater treatment plants	1999 (Mar-Aug)	20	380	400		<20	1,300		4	Bright and Healey, 2003	Det. in 15 of 20 samples; 95th perc = 1100
Canadian Sludge	93-94	12	2661			<20	14000		2	Webber et al., 1996	Assumed a duplicate of Webber and Nichols, 1995 data
Japan/Asia											
China, Beijing - Gaobeidian WWTP	1998-99	1	3,200						4	Cai et al., 2007a	Activated sludge treatment; 50% domestic, 50% industrial sewage
China, Lanzhou - Qilhe WWTP	1998-99	1	180						4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Xi'an - Beishijiao WWTP	1998-99	1	95						4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Wuxi - Lucun WWTP	1998-99	1	23						4	Cai et al., 2007a	Activated sludge treatment
China, Guangzhou - Dazhuo WWTP	1998-99	1	2,900						4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 60% domestic, 40% ind. sewage
China, Foshan - Zhen'an WWTP	1998-99	1	550						4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 90% domestic, 10% ind. sewage
China, Zhuhai - Xiangzhou WWTP	1998-99	1	35,000						4	Cai et al., 2007a	Oxidizing ditch treatment; 65% domestic, 35% industrial sewage
China, Shenzhen - Binhe WWTP	1998-99	1	640						4	Cai et al., 2007a	Oxidizing ditch treatment; 60% domestic, 40% industrial sewage
China, Dapu - Dapu WWTP	1998-99	1	100						4	Cai et al., 2007a	Activated sludge treatment
China, Shatian - Shatian WWTP	1998-99	1	300						4	Cai et al., 2007a	Activated sludge treatment
China, Yuanliang - Yuanliang WWTP	1998-99	1	51						4	Cai et al., 2007a	Activated sludge treatment
		11	3,913			23	35,000				
China - composted municipal sludge	N/A	1	200			200			4	Cai et al., 2007b	Manual-turned composting
China - composted municipal sludge	N/A	1	360			360			4	Cai et al., 2007b	Inoculate-manual-turned composting
China - composted municipal sludge	N/A	1	45			45			4	Cai et al., 2007b	Continuously aerated composting
China - composted municipal sludge	N/A	1	86			86			4	Cai et al., 2007b	Intermittently aerated composting
Other											
Australia, South East Queensland - WWTP raw influent	2005 (March)	1	62.0			62.0			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anaerobic sludge	2004 (Nov)	1	0.01			< 0.02			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anaerobic sludge	2005 (March)	1	58.7			58.7			4	Tan et al., 2008	
Australia, South East Queensland - WWTP aerobic sludge	2004 (Nov)	1	0.01			< 0.02			4	Tan et al., 2008	
Australia, South East Queensland - WWTP aerobic sludge	2005 (March)	1	0.01			< 0.02			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anoxic sludge	2004 (Nov)	1	0.01			< 0.02			4	Tan et al., 2008	
Australia, South East Queensland - WWTP anoxic sludge	2005 (March)	1	0.01			< 0.02			4	Tan et al., 2008	
Australia, Melbourne Sewage	1994	60	2	1.64			<1	5.7	4	Wikkie, et al., 1996	
Australia, Melbourne Treatment Inf	1994	8	<10						4	Wikkie, et al., 1996	
Coal Power Station emission	N/A					0.22	1.1		4	Haile, et al.	ug per dry standard cubic meter
Fly ash	N/A	16	4100			280	7000		4	EPA/600/D-89/232	
Fly Ash Leachate	N/A	13	40			24	56		4	EPA/600/D-89/232	
Incinerator Ash	1987	8				ND	1200		4	Shane et al., 1990	
Sewage Sludge-Eur, USA, Canada	N/A					500	8000000		4	Kjoholt and Vang Anderson, 1995	in KEMI
Household Compost	N/A					98			4	Ryckfors, 1996	

Drinking Water											
Location	Date	N	Concentration in ug/L		Median	Single Point	Range		Data Quality	Reference	Comments
			Average	SD			Low	High			
USA											
California, south - 4 water filtration plants	2001-02	15	0.184			<0.033	<0.033	0.911	1	Loraine and Pettigrove, 2006	Det. in 5 of 15 samples
New York Public Water Wells	1979							38	4	USEPA, 1987	In 38% of Samples
USA - finished drinking water - 19 plants	2006-2007	19	0.025				<0.050	<0.050	2	Benotti et al., 2009	
USA - tap water - 19 plants	2006-2007	19	0.025				<0.050	<0.050	2	Benotti et al., 2009	
		53	0.070				<0.033	38			
Europe											
Croatia - bottled mineral water; PET bottle	N/A	9	0.0025				<0.005	<0.005	4	Bosnir et al., 2007	No preservative; pH = 5.82
Czech Republic, Prague - tap water	N/A	1	0.002			0.002			1	Prokupkova et al., 2002	
Czech Republic, Prague - bottled mineral water	N/A	2	0.005				<0.01	<0.05	1	Prokupkova et al., 2002	Glass bottles, metal caps with PVC inserts
Czech Republic, Prague - bottled spring water	N/A	1	0.002			0.002			1	Prokupkova et al., 2002	PET bottles
Denmark, Roskilde - tap water in NERI lab	1996	1	0.46			0.46			1	Vikelsee et al., 1998	
Germany, Leipzig - drinking water	N/A	1	0.02			0.02			1	Luks-Betlej et al., 2001	Detection limit = 0.005 ug/L
Netherlands-Drinking Water	N/A					<0.1		<0.1	4	van der Velde, et al.	
Poland, Katowice - drinking water	N/A	1	0.05			0.05			1	Luks-Betlej et al., 2001	Detection limit = 0.005 ug/L
Portugal, Lisbon - tap water	N/A	1	0.03			0.03			1	Serodio and Nogueira, 2006	Detection limit = 0.003 ug/L
Portugal, Lisbon - bottled mineral water	N/A	1	0.02			0.02			1	Serodio and Nogueira, 2006	Detection limit = 0.003 ug/L
Spain, Catalonia - public water fountains	N/A	7	0.006			<0.004	<0.004	0.017	4	Casajuana and Lacorte, 2003	Detected in 2 of 7 samples
Spain - bottled water - PET bottles	N/A	10	0.003			<0.004	<0.004	0.010	1	Casajuana and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - PE bottles	N/A	6	0.002			<0.004	<0.004		1	Casajuana and Lacorte, 2003	Tested before and after 10 weeks storage
Spain - bottled water - glass bottles	N/A	2	0.002			<0.004	<0.004		1	Casajuana and Lacorte, 2003	Not detected in any of 2 samples
Spain - bottled mineral water	N/A					<LOQ			1	Polo et al., 2005	Det. Limit = 0.002 ug/L; LOQ not specified
Spain, south Catalonia - tap water	20027	1	0.0025			<0.005			1	Brossa et al., 2003	
Sweden	1994-95	44	0.02				<0.01	0.05	4	Bergstedt et al., 1999 cited in Paxeus, 1999	39 samples
							<0.004	0.46			
Canada											
Alberta Drinking Water	87-98	1239	0.5				<1	1	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Tap water - Toronto	N/A						<0.00002	<0.0008	4	EC & HC, 2000	
Tap water	1991						<1	2.8	4	EC & HC, 2000	
Bottled water	1986						<5		1	Page and Lacroix, 1995	Not detected in 2 samples
Quebec	N/A						<1	<2	4	EC & HC, 2000	
Ottawa, ON - bottled water (polycarbonate bottle)	2007	1	0.043			<0.085			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (glass or PETE bottles)	2006	10	0.043				<0.085	<0.085	1	Cao, 2008	Carbonated and non-carbonated water
		1230	0.50				<0.00002	2.8			
Alberta Drinking Water - Rural subset	619		0.505	0.053	0.5	0.5	0.5	1	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Drinking Water - Urban subset	620		0.502	0.028	0.5	0.5	0.5	1	4	AENV, 1999, G. Halina	Database analysed by O'Connor (see Clark, et al. 2001)
Japan/Asia											
China, Jinan (Shandong Province) - tap water	2007 (Aug)	1	0.21			<0.41			4	Zhao et al., 2008	
		1	0.21				<0.41	<0.41			Mean represents one half detection limit
Overall		1348	0.46				<0.00002	38			Summary of all drinking water locations

Food											
Type	Date	N	Concentration as ug/g		Median	Single Point	Range		Data Quality	Reference	Comments
			Average	SD			Low	High			
BEVERAGES											
Mixed vegetable juice - BBP in cap liner	87-89	1	0.11					0.11	1	Page and Lacroix, 1995	values corrected for blanks
Tea	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Coffee - instant	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Soft drinks	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Beer	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Wines	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Wine - Italy, commercial, glass bottles, n=26	N/A				0.040		<0.058	0.269	1	Del Carlo et al., 2008	Det. Freq = 40%
Wine - Italy, commercial, polyethylene coupled film brick, n=10	N/A				<0.058		<0.058	0.252	1	Del Carlo et al., 2008	Det. Freq = 69%
Wine - Italy, private wine producers, glass bottles, n=18	N/A				<0.058		<0.058	0.237	1	Del Carlo et al., 2008	Det. Freq = 22%
Wine - Italy, experimental pilot plant, glass bottles, n=8	N/A	8	0.029			<0.058	<0.058	<0.058	1	Del Carlo et al., 2008	Not detected

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Wine -10 varieties- Spain	N/A	10	0.00061	0.00129	<0.000404		<0.000404	0.00429	2	Carillo et al., 2008	Det. in 1 of 10 wines; variety of containers/closures
Sake - Japan	2000-2001	5	0.0001		<0.0002		<0.0002	<0.0002	1	Tsumura et al., 2002	LOD=0.0002
Wine - Japan	2000-2001	3	0.001		0.001		<0.0002	0.002	1	Tsumura et al., 2002	LOD=0.0002
Beer - Japan	2000-2001	3	0.0007		<0.001		<0.001	0.001	1	Tsumura et al., 2002	LOD=0.001
Sports drink, green tea, beer, coffee, fruit mix - Japan	N/A	9	0.0000025				<0.000005	<0.000005	4	Bosnir et al., 2007	15 samples; detection limit not reported
Soft drinks - Croatia; PET bottle	N/A	9	0.0000025				<0.000005	<0.000005	4	Bosnir et al., 2007	Preserved with orthophosphoric acid; pH = 2.82
Soft drinks - Croatia; PET bottle	N/A	14	0.0000025				<0.000005	<0.000005	4	Bosnir et al., 2007	Preserved with sodium benzoate; pH = 2.75
Soft drinks - Croatia; PET bottle	N/A	5	0.0054				<0.000005	0.027	4	Bosnir et al., 2007	Preserved with potassium sorbate; pH = 2.88
Soft drinks - Croatia; PET bottle	N/A	8	0.0000025				<0.000005	<0.000005	4	Bosnir et al., 2007	Preserved with sodium benzoate & potassium sorbate; pH = 2.82
Liquid food consumed by children in day cares in N.C., U.S.	1997	4	0.00054				0.000425	0.00157	4	Wilson, et al. 2003	Composite 48 h samples
Liquid food consumed by children at home in N.C., U.S.	1997	9	0.0092				0.00268	0.0151	4	Wilson, et al. 2003	Composite 48 h samples
		84	0.007				<0.000005	0.269			
CEREAL											
Cereal, cooked oatmeal	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Cereal, cooked wheat	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Cereal, corn	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Cereal, wheat and bran	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
		4	0.05				NA	NA			Mean represents one half detection limit
DAIRY (excl. milk)											
Cheese, cheddar	1986	1	1.6		1.6				1	Page and Lacroix, 1995	32.6% fat
Cheese, cottage	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	3% fat; detection limit assumed to be 0.1 ug/g
Cheese, processed	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	17.7% fat; detection limit assumed to be 0.1 ug/g
Cheese - Japan	2000-2001	3	0.005	0.004			0.004	0.008	1	Tsumura et al., 2002	LOD=0.004
Cheese, sliced - Japan	N/A	4	0.005				ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
Cream	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	17.1% fat; detection limit assumed to be 0.1 ug/g
Ice cream - Japan	2000-2001	3	0.002		<0.004		<0.004	<0.004	1	Tsumura et al., 2002	LOD=0.004
Ice cream	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	16.0% fat; detection limit assumed to be 0.1 ug/g
Yogurt	1986	1	0.6		0.6				1	Page and Lacroix, 1995	8.6% fat
		12	0.20				<0.004	1.6			
EGGS											
Eggs	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	MDL for meat, fish and poultry is 0.1 ug/g
Eggs	1993	2	0.09						2	MAFF Report #82, March, 1996	Prepared for consumption
		3	0.08				<0.1	0.09			
FATS & OILS											
Butter	N/A	12	11.3				<1.0	47.8	1	Page and Lacroix, 1992	values corrected for blanks
Butter	1986	1	0.64		0.64				1	Page and Lacroix, 1995	values corrected for blanks; BBP present in packaging
Cooking Fats and Salad Oils	1986	1	0.25		ND				1	Page and Lacroix, 1995	MDL likely 0.5 ug/g
Margarine	1986	1	0.25		ND				1	Page and Lacroix, 1995	MDL likely 0.5 ug/g
Margarine	N/A	8	4.2				<1.0	16.1	1	Page and Lacroix, 1992	values corrected for blanks
Butter - Japan	2000-2001	3	0.025		<0.01		<0.01	0.056	1	Tsumura et al., 2002	LOD=0.01
Margarine - Japan	2000-2001	3	0.006		<0.01		<0.01	<0.01	1	Tsumura et al., 2002	LOD=0.01
Fat spread - Japan	2000-2001	3	0.05		<0.01		<0.01	0.13	1	Tsumura et al., 2002	LOD=0.01
Vegetable oil - Japan	2000-2001	1	0.037		<0.01		<0.01	0.82	1	Tsumura et al., 2002	LOD=0.01; 8 samples
Salad oil, margarine - Japan	N/A	4	0.037				ND	ND	2	Kataoka et al., 2002	6 samples; detection limit not provided
Olive oil, extra virgin - Italy	N/A	6	0.613	0.656	0.409		<0.048	1.75	2	Cavaliere et al., 2008	Detected in 5 of 6 samples
Olive oil, refined and virgin - Italy	N/A	6	0.323	0.367	0.237		<0.048	1.01	2	Cavaliere et al., 2008	Detected in 5 of 6 samples
Olive oil + pomace oil - Italy	N/A	4	0.424	0.211	0.439		0.171	0.649	2	Cavaliere et al., 2008	
		48	3.7				<0.01	47.8			
FISH											
Fish Fillet-Bluegill	N/A	1	0.038		0.038				3	Carr et al., 1997	Lab test of BCF, intact BBP only
Arctic Char - Austrian alps, Lake Schwarzsee ob Soelden (remote)	20027	1	0.0093		0.0093				4	Krauter and Seidl, 2002	wet weight
Fish, Korea - nationwide survey; 31 samples	N/A	31					ND	0.1061	4	Choi et al., 2001	Wet wt.; Detected in 11.3% samples
Fish-San Jacinto River	1995	9					ND	0.018	4	Armstrong et al., 1995	
Fish, muscle - Netherlands	1999	9		0.0042			<0.0022	0.0091	1	Vethaak, et al. 2002	Detected in 16 of 37 samples; median calc. using detected values only
Mussels, whole body - Netherlands	1999	9		0.016			<0.00007	0.056	1	Vethaak, et al. 2002	Detected in 9 of 12 samples; median calc. using detected values only
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0007						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00016						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0006						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada -Blue Mussels	1999	9	0.0025						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada-Pacific Oysters	1999	9	0.0027						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Geoduck Clams	1999	9	0.0029						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Manila Clams	1999	9	0.0022						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada -Dungeness Crabs	1999	9	0.009						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada -Purple Seastar	1999	9	0.0007						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C., Canada -Juvenile Shiner Perch	1999	9	0.0018						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada -Pacific Herring	1999	9	0.0017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
False Creek harbour, B.C., Canada -File Perch	1999	9	0.0046						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada -Striped Seaperch	1999	9	0.0014						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada -Pacific Staghorn Sculpin	1999	9	0.0021						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada -English Sole	1999	9	0.0016						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C., Canada -Whitespotted Greenling	1999	9	0.0008						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada -Spiny Dogfish- muscle	1999	9	0.003						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C., Canada -Spiny Dogfish- liver	1999	9	0.009						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada -Spiny Dogfish- embryo	1999	9	0.011						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C., Canada -Surf Scoters	1999	9	0.031						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Bream and Roach - NL	1998	25	0.0002		<0.0004		<0.0004	<0.0004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL; 0.77% fat	2000	1	0.0039		0.0039				1	David and Sandra, 2001	Wet wt
Roach - NL; 0.98% fat	2000	1	0.0062		<0.0004				1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL; 1.55% fat	2000	1	0.0140		0.0140				1	David and Sandra, 2001	Wet wt
Molluscs - NL	2000	3	0.009	0.005			<0.001	0.022	1	David and Sandra, 2001	Wet wt
Invertebrates - NL	2000	3	0.052	0.053	0.042		0.042	0.060	1	David and Sandra, 2001	Wet wt
Fish-Factory frozen halibut, arctic char, pollock	87-89	3	0.05		<0.1				1	Page and Lacroix, 1995	wet basis
Freshwater fish	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	
Canned fish	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	
Shellfish	1986	1	0.05		<0.1				1	Page and Lacroix, 1995	
Fish - various species - Japan	1998	141	0.005		<0.010		<0.010	0.035	4	JEA, 1999	detected at 3 of 141 sites
Fish paste (fried kamaboko) -Japan, Osaka	2000	2	0.798				0.738	0.857	1	Tsumura et al., 2001b	Prepared for consumption
Mackerel -Japan, Osaka	2000	2	0.366				0.306	0.426	1	Tsumura et al., 2001b	Prepared for consumption
Fish cake, fish sausage - Japan	N/A	2	0.007		ND		ND	ND	2	Kataoka et al., 2002	6 samples; detection limit not provided
		366	0.012				<0.00007	0.857			
FRUITS											
variety of plastic packaged and canned fruits	1986	13	0.02		ND				1	Page and Lacroix, 1995	ND in 13 samples; MDL likely 0.04 to 0.2 ug/g
		13	0.02				NA	NA			Mean represents one half detection limit
GRAIN											
Bread, White	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Bread, Whole Wheat	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Flour, wheat	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Muffins	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pancakes	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pasta, dry	1986	1	0.05		ND				1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Rice	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Rolls/biscuits	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Dry noodles - Japan	2000-2001	3	0.002		-0.004		-0.004	-0.004	1	Tsumura et al., 2002	LOD=0.004
Rice - Japan, Osaka	2000	2	0.004				0.002	0.006	1	Tsumura et al., 2001b	Prepared for consumption
Fried noodle -Japan, Osaka	2000	2	0.024				0.011	0.037	1	Tsumura et al., 2001b	Prepared for consumption
Spaghetti -Japan, Osaka	2000	2	0.066				0.057	0.074	1	Tsumura et al., 2001b	Prepared for consumption
Rice - Japan	N/A						ND	ND	2	Kataoka et al., 2002	6 samples; detection limit not provided
		18	0.036				0.002	0.074			
MEAT											
Meat-frozen packaged	87-89	5	0.2				<-0.1	0.8	1	Page and Lacroix, 1995	values corrected for blanks; nd in 8 of 9 samples
Beef, steak	1986	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Beef, ground	1986	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Pork, fresh	1986	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Veal cutlets	1986	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Meat balls - Japan	N/A						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
Carcases Meat	1993	2	0.09						2	MAFF Report #82, March, 1996	Prepared for consumption
		11	0.13				<-0.1	0.8			
MILK											
Milk - Canada, Whole, 3.3% fat	1986	1	0.005			<-0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada; 2%	1986	1	0.005			<-0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada, Skim	1986	1	0.005			<-0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Evaporated Milk, canned - Canada; 7.6% fat	1986	1	0.005			<-0.01			1	Page and Lacroix, 1995	values corrected for blanks; MDL likely 0.01 ug/g
Milk - Canada ; collected at farm - hand milked	N/A						<-0.00087	<-0.0027	1	Feng et al., 2005	Ave. fat = 3.56 %
Milk - Canada; collected at farm - machine milked	N/A						<-0.00087	<-0.0027	1	Feng et al., 2005	DEHP present in the PVC tubing; Ave. fat = 4.02%
Milk - Japan	2000-2001	3	0.001		<-0.002		<-0.002	<-0.002	1	Tsumura et al., 2002	LOD=0.002
Milk - Netherlands; direct from cows	1998	29	0.002		<-0.001		<-0.001	0.008	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - Netherlands; direct from cows	2000	3	0.003		0.003		0.002	0.003	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
Milk - South Korea; raw bovine milk	N/A	30	0.001				<-0.002	<-0.002	1	Kim et al., 2009	
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.00111	0.0003					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, UHT in Tetra Brik	2003	2	0.00293	0.0001					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.00288	0.0005					1	Casajuana and Lacorte, 2004	3% fat
Milk - Spain - whole, HDPE bottles	2003	2	0.00123	0.0008					1	Casajuana and Lacorte, 2004	3% fat
Milk - UK	1993	2	0.002						2	MAFF Report #82, March, 1996	
		79	0.002				<-0.00087	0.008			
NUTS/BEANS											
Bean	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
Peanut butter, peanut	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
Baked bean	1986	1	0.045			ND			1	Page and Lacroix, 1995	MDL likely 0.09- 0.2 ug/g
		3	0.045				NA	NA			Mean represents one half detection limit
OTHER FOODS											
Cakes	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Crackers	1986	1	0.48			0.48			1	Page and Lacroix, 1995	values corrected for blanks; BBP present in packaging
Cookies	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Danish/Donuts	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pie, apple	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pie, blueberry	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
Pizza	1986	1	0.1			ND			1	Page and Lacroix, 1995	MDL likely 0.01 - 0.2 ug/g
White sugar	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Syrup (bottled)	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Jam	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Honey	1986	1	0.005			ND			1	Page and Lacroix, 1995	MDL likely 0.01 ug/g
Pudding (instant)	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Candy - chocolate bars	1986	1	0.25			ND			1	Page and Lacroix, 1995	MDL likely 0.5 ug/g
Candy - other than chocolate bars	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Gelatin dessert	1986	1	0.025			ND			1	Page and Lacroix, 1995	MDL likely 0.05 ug/g
Soup - meat (canned)	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - pea	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - tomato	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Soup - onion	1986	1	0.05			ND			1	Page and Lacroix, 1995	MDL likely 0.1 ug/g
Cookies - Japan	2000-2001	3	0.002		<-0.004		<-0.004	<-0.004	1	Tsumura et al., 2002	LOD=0.004; 3 samples
Chocolate - Japan	2000-2001	3	0.027		<-0.004		<-0.004	0.004	1	Tsumura et al., 2002	LOD=0.004; 3 samples
Softy pastry - Japan	2000-2001	3	0.027		<-0.004		<-0.004	0.004	1	Tsumura et al., 2002	LOD=0.004; 3 samples
Hamburger set - Japan	2000-2001	3	0.0027		<-0.0004		<-0.0004	0.0004	1	Tsumura et al., 2002	LOD=0.0004; 3 samples
Gyu-don (boiled rice with spiced beef & onion) - Japan	2000-2001	3	0.0004		<-0.0008		<-0.0008	<-0.0008	1	Tsumura et al., 2002	LOD=0.0008; 3 samples
Pizza - Japan	2000-2001	3	0.001		0.0008		0.002	0.002	1	Tsumura et al., 2002	LOD=0.0008; 3 samples
Retort-pouched food - Japan	2000-2001	3			0.0004		<-0.0004	0.01	1	Tsumura et al., 2002	LOD=0.0004; 11 samples
Noodle soup, pickles, fruit jelly, potato chip - Japan	N/A						ND	ND	2	Kataoka et al., 2002	12 samples; detection limit not provided
Convenience lunch - Japan	N/A	3	0.022	0.001					2	Kataoka et al., 2002	
		40	0.048				<-0.0008	0.48			
POULTRY											
Poultry	1993	2	0.03						2	MAFF Report #82, March, 1996	Prepared for consumption
Poultry	1986	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Chicken, whole packaged frozen	87-89	1	0.05			<-0.1			1	Page and Lacroix, 1995	
Chicken (fried) -Japan, Osaka	2000	2	0.812				0.766	0.857	1	Tsumura et al., 2001b	Prepared for consumption
		6	0.30				0.03	0.857			
PROCESSED MEAT											
Cold cuts, luncheon meat, pork (cured)	1986	3	0.05		<-0.1		<-0.1		1	Page and Lacroix, 1995	
Cornd beef - Japan	N/A						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
Minced meat (Shumai) -Japan, Osaka	2000	2	0.185				0.14	0.229	1	Tsumura et al., 2001b	Prepared for consumption
		5	0.10				<-0.1	0.229			
VEGETABLES											
variety of packaged veg- potatoes,com, bean, etc.	1986					ND			1	Page and Lacroix, 1995	17 composite samples; MDL likely 0.09- 0.2 ug/g
Deep-fried tofu - Japan	N/A						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
Potato (croquette) -Japan, Osaka	2000	2	0.370				0.216	0.523	1	Tsumura et al., 2001b	Prepared for consumption
Potato salad -Japan, Osaka	2000	2	0.006				0.001	0.011	1	Tsumura et al., 2001b	Prepared for consumption
Radish, boiled dry -Japan, Osaka	2000	2	0.319				0.259	0.378	1	Tsumura et al., 2001b	Prepared for consumption
Radish, salted -Japan, Osaka	2000	1	0.006			0.006			1	Tsumura et al., 2001b	Prepared for consumption
		7	0.20				0.001	0.523			
TOTAL DIET SAMPLES											
Denmark - 24 h daily diet	1998?	29	0.017				<-0.001		1	Petersen and Breindahl, 2000	Mean ranges btw. 0.017 and 0.019 ug/g depending on treatment of non detects
Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)				< 0.010		< 0.010	0.084	4	Fromme et al., 2007b	Detected in 35 of 350 samples (10%); det. limit 0.010 ug/g fresh wt.
U.S. - North Carolina; composite food sample	1997	10	0.0244				0.00411	0.102	4	Wilson, et al. 2001	Daily meals at 10 child day care centres
U.S., N.C. - Solid food consumed by children in day cares	1997	4	0.0314				0.00868	0.0537	4	Wilson, et al. 2003	Composite of meals consumed over 48 h
U.S., N.C. - Solid food consumed by children at home	1997	9	0.100				0.00859	0.404	4	Wilson, et al. 2003	Composite of meals consumed over 48 h
Japan, Osaka - Set lunches from 10 restaurants	1999	10	0.0062	0.013	0.0013		0.0001	0.0413	1	Tsumura et al., 2001b	Detected in all 10 samples

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan-Osaka - Packed lunches from 10 stores	1999-2000	16	0.044	0.076	0.0064		0.0013	0.2772	1	Tsumura et al., 2001b	Detected in all 16 samples
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.005	0.0022	0.0043		0.0022	0.0086	1	Tsumura et al., 2001a	Detection limit 0.0015 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00015		<0.0001		<0.0001	0.002	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.0029	0.0021	0.0023		<0.0003	0.0066	1	Tsumura et al., 2001a	Detection limit 0.0003 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.0025				<0.001	0.018	1	Tsumura et al., 2003	Detection limit 0.001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.0006		<0.0005		<0.0005	0.005	1	Tsumura et al., 2003	Detection limit 0.0005 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.0028				<0.0004	0.0271	1	Tsumura et al., 2003	Detection limit 0.0004 ug/g
Taiwan, Taipei - packaged lunch	N/A	3	0.100	0.003	0.100		0.097	0.102	4	Chen et al., 2008	
Taiwan - packaged lunch; microwaved 3 min, plastic wrap covering bowl	N/A	207	0.015				<0.0001	0.404			
Taiwan - packaged lunch; microwaved 3 min, plastic wrap touching food	N/A	3	0.172	0.060	0.129		0.097	0.284	4	Chen et al., 2008	

INFANT FORMULA - powder

Casein Formula-1	1996	2	0.002				<0.004		2	MAFF Rpt-83, March, 1996	
Casein Formula-2	1996	2	0.07				0.07		2	MAFF Rpt-83, March, 1996	
Casein Formula-3	1996	2	0.09				0.09		2	MAFF Rpt-83, March, 1996	
Casein Formula-4	1996	2	0.06				0.06		2	MAFF Rpt-83, March, 1996	
Casein Formula-5	1996	2	0.07				0.07		2	MAFF Rpt-83, March, 1996	
Soy Formula-1	1996	2	0.05				0.05		2	MAFF Rpt-83, March, 1996	
Soy Formula-2	1996	2	0.11				0.11		2	MAFF Rpt-83, March, 1996	
Whey Formula-1	1996	2	0.24				0.24		2	MAFF Rpt-83, March, 1996	
Whey Formula-2	1996	2	0.06				0.06		2	MAFF Rpt-83, March, 1996	
Whey Formula-3	1996	2	0.08				0.08		2	MAFF Rpt-83, March, 1996	
Whey Formula-4	1996	2	0.25				0.25		2	MAFF Rpt-83, March, 1996	
Whey Formula-5	1996	2	0.13				0.13		2	MAFF Rpt-83, March, 1996	
Infant Formula-BF1, whey powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.00675		0.015		<0.003	0.015	1	MAFF Rpt-168, December, 1998	detected in 2 of 4 samples
Infant Formula-C&G Premium, whey powder	1998	4	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G, soya powder	1998	2	0.00475		0.00475		<0.003	0.008	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.00425		0.00425		<0.003	0.007	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-IA, whey powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-IM, casein powder	1998	2	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.0015		<0.003		<0.003	<0.003	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.0062		<0.003		<0.003	0.012	1	MAFF Rpt-168, December, 1998	detected in 3 of 5 samples
Infant Formula-SMAW, soya powder	1998	2	0.005		0.005		<0.003	0.008	1	MAFF Rpt-168, December, 1998	
Infant formula - Japan	2000-2001	59	0.043		<0.001		<0.001	0.25	1	Tsumura et al., 2002	LOD=0.001; 6 samples

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.0005				<0.001	<0.001	1	MAFF Rpt-168, December, 1998	
Reconstituted infant formulae - Denmark	1998?						<0.0003	0.01	1	Petersen and Breindahl, 2000	Detected in 2 of 11 samples; detection limit varies btw. samples
Reconstituted infant formula - Spain - powder in can	2003	2	0.00118	0.0003					1	Casajuana and Lacorte, 2004	
		6	0.0007				<0.0003	0.01			

BREAST MILK

Mother's milk - Canada, Kingston, Ontario	2003-2004	86	0.00075		<0.0015		<0.0015	<0.0015	1	Zhu et al., 2006	Detected in 0 of 86 samples
Sweden - 2 to 3 wks after delivery; age 23 to 39 y	2001	42	0.00075	0.0008	0.00049		0.00006	0.0044	4	Hogberg et al., 2008	Detected in all 42 samples; det. limit = 0.00012 ug/g; 75th perc = 0.00092 ug/g
		128	0.00075				0.00006	0.0044			

BABY FOOD

Ready to use, glass jarred - Denmark	1998?						<0.001	0.005	1	Petersen and Breindahl, 2000	Above limit of determination in 1 of 11 samples
Retort-pouched baby food - Japan	2000-2001				0.0004		<0.0004	0.003	1	Tsumura et al., 2002	LOD=0.0004; 13 samples
Baby snack - Japan	2000-2001				<0.0004		<0.0004	0.0004	1	Tsumura et al., 2002	5 samples
			NA				<0.0004	0.005			

Consumer Products											
Location/Type	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Japan/Asia											
China - bathing lotion	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - hair spray	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - perfume	N/A	2	0.64				<0.1	1.22	4	Shen et al., 2007	
China - deodorant	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - shampoo	N/A	2	0.05			<0.1	<0.1	<0.1	4	Shen et al., 2007	
China - nail polish	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - cream	N/A	4	0.05		<0.1		<0.1	<0.1	4	Shen et al., 2007	
China - milk cleanser	N/A	2	0.05			<0.1	<0.1	<0.1	4	Shen et al., 2007	
China - shrinking solution	N/A	1	0.05			<0.1			4	Shen et al., 2007	
		15	0.13				<0.1	1.22			


Vegetation											
Location/Type	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	14		<10		<10	154	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	5				<10	<10	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
		55	14				<10	154			

Wildlife											
Location/Type	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Japan - Carp	1998				<10		<10	<10	4	JEA, 1999	Not detected in any of 145 samples
Japan - Domestic pigeons	1998				<10		<10	<10	4	JEA, 1999	Not detected in any of 31 samples
Japan - Red mice	1998				<10		<10	<10	4	JEA, 1999	Not detected in any of 30 samples
Japan - Raccoon dogs	1998				<10		<10	<10	4	JEA, 1999	Not detected in any of 15 samples
Korea - Amphibians	N/A		NA				ND	206	4	Choi et al., 2001	Wet wt.; 31 samples, detected in 30.6% samples
							<10	206			
Greenland - Polar bear liver	1999-2002						24.7	37.0	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - Minke whale liver	1998				29.7				3	Vorkamp et al., 2004	Not corrected for blanks
Faroe Islands - Pilot whale liver	2001						18.0	32.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - east - Ringed seal liver	2002						17.5	30.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - west - Ringed seal liver	2002						30.0	44.2	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - east - Shorthorn sculpin liver	2002						15.7	22.2	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%
Greenland - west - Shorthorn sculpin liver	2002						11.9	15.1	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%
Faroe Islands - Northern fulmar - fat tissue	1998-1999						18.2	68.6	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%

Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Human Blood											
Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.002	0.006	<0.002		<0.002	0.029	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 4 of 45 samples; 90th perc = <0.002
India, Hyderabad - adult women (mean age 30.9 y)	2005	135	0.14	0.26					4	Reddy et al., 2006	
Puerto Rico, San Juan - girls 6 mos to 8 y with thelarche	1994-1998						ND	0.117	1	Colón et al., 2005	Det. in 2 of 41 samples; det. limit not reported; min. det. conc. = 0.054 ug/mL
Puerto Rico, San Juan - girls 6 mos to 10 y - control patients	1994-1998	36	0.00029	0.00027	0.00025		<0.0001	0.0014	1	Colón et al., 2005	Not detected in any of 35 samples; det. limit not reported
Sweden - women age 23 to 39 y; 3 to 4 wks after giving birth	2001						<0.0001	0.0014	4	Hogberg et al., 2008	Detected in 29 of 36 samples; det. limit =0.0001 ug/mL; 75th perc = 0.00036
		216	0.088				<0.0001	0.117			
India, Hyderabad - infertile adult women with Stage I endometriosis	2005	35	0.28	0.38					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage II endometriosis	2005	26	0.67	0.5					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage III endometriosis	2005	14	0.98	0.59					4	Reddy et al., 2006	
India, Hyderabad - infertile adult women with Stage IV endometriosis	2005	10	1.27	0.61					4	Reddy et al., 2006	
Human Urine											
Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Concentration in ug/L											
Korea - children age 11-12 y	2003 (May)	150	1.5	5	<0.5		<0.5	9.2	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 24 samples
Korea - women age 20-73 y	2003 (May)	150	0.25	1	<0.5		<0.5	<0.5	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 7 samples
		300	0.9				<0.5	9.2			
Concentration as ug/g creatinine											
Korea - children age 11-12 y	2003 (May)	150	0.9					5.0	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 24 samples
Korea - women age 20-73 y	2003 (May)	150	0.4					0.9	4	Koo and Lee, 2005	Max. conc. is the 95th percentile; detected in 7 samples
		300	0.7					5.0			

Di-n-pentyl Phthalate (DnPhP)

Surface Water										
Location	Date	Concentration as ug/L			Single Point	Range		Data		Comments
		N	Average	SD		Low	High	Quality	Reference	
Europe										
Denmark - Fjord water - Roskilde Vig	1998-99	9	0.00038	0.00051				2	Vikelsee et al., 2001	
Denmark - Fjord water - Roskilde Bredning	1998-99	10	0.00016	0.00018				2	Vikelsee et al., 2001	
Denmark - Fjord water - Skuldelev	1998-99	3	0.00028	0.00030				2	Vikelsee et al., 2001	
Denmark - Fjord water - Frederikssund	1998-99	4	0.00011	0.00014				2	Vikelsee et al., 2001	
Denmark - Fjord water - Kulhuse	1998-99	4	0.00013	0.00011				2	Vikelsee et al., 2001	
Denmark - Hove A, 5 m upstream	1996	1	0.003		0.003			1	Vikelsee et al., 1998	Identified below limit of detection of 0.004 ug/L
Denmark - Hove A near mouth	1996	1	0.002		<0.004			1	Vikelsee et al., 1998	
Denmark - Hove A upstream Lake Gundsomagle	1998-99	4	0.0004	0.0008				2	Vikelsee et al., 2001	Stream and lake water
Denmark - Lake Gundsomagle	1998-99	5	0.0016	0.0022				2	Vikelsee et al., 2001	Stream and lake water
Denmark - Hove A downstream Lake Gundsomagle	1998-99	4	0.0013	0.0010				2	Vikelsee et al., 2001	Stream and lake water
Denmark - Maglemose A, 5 m upstream	1996	1	0.002		<0.004			1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1996	1	0.015		0.015			1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1998-99	2	0.0002	0.0001				2	Vikelsee et al., 2001	Stream and lake water
Denmark - Helligrenden near mouth	1998-99	4	0.0001	0.0001				2	Vikelsee et al., 2001	Stream and lake water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.114					2	Cincinelli, et al., 2001	Sub-surface water
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.156					2	Cincinelli, et al., 2001	Sea-surface microlayer
		59	0.014			0.0001	0.156		Min. and max. are referenced averages	
Japan/Asia										
Japan - 12 major rivers	early 1998	5	0.1		<0.2	<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	late 1998	5	0.1		<0.2	<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	summer 1999	12	0.1		<0.2	<0.2	<0.2	2	MOC, 1999a	Not detected at any of 12 sites
Japan - Rivers - general watersheds	summer 1998	100	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 100 sites
Japan - Rivers - general watersheds	autumn 1998	139	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	1999?	101	0.05		<0.1	<0.1	<0.1	4	JEA, 1999	Not detected at any of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 124 sites
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 6 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 17 sites
Japan - Rivers	2001 (Jan.-Mar.)	124	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 124 sites
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 5 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 17 sites
Tokyo - Tama River site #1 (upstream)	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #2	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #3	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Tama River site #4 (downstream)	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Aki River	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Tokyo - Asa River	1999-2000	12	0.001		<0.002	<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
		772	0.047			<0.002	<0.2		Mean represents one half detection limit	
Ground Water										
Location	Date	Concentration as ug/L			Single Point	Range		Data		Comments
		N	Average	SD		Low	High	Quality	Reference	
Japan/Asia										
Japan - general watersheds	summer 1998	8	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites
Japan - general watersheds	autumn 1998	12	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 23 sites
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.05		<0.1	<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 24 sites
		67	0.05			<0.1	<0.1		Mean represents one half detection limit	

Legend
 Data, changes or comments added in 2009

 Also used in drinking water summary

 Excluded from calculated summary

 Indicates average based on detection limit
BOLD Calculated category summary**Data Quality**

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Landfill Leachate		Concentration as ug/L				Single	Range		Data		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Japan/Asia											
Japan - landfill leachate	N/A					ND			4	Behnisch et al. 2001	Detection limit: 0.1 to 0.3 ug/L
							<0.1	<0.3			

Sediments		Concentration as ug/g dry weight				Single	Range		Data		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Denmark, Roskilde Vig	1996-99	26	0.0004	0.0005					2	Vikelsee et al., 2001	Fjord sediment; 210 m from WWTP outlet; dry wt.
Denmark, Roskilde Vig - Station 2	1996-99	2	0.0006	0.0006					2	Vikelsee et al., 2001	Fjord sediment; 1883 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 2044	1996-99	2	0.015					<0.030	2	Vikelsee et al., 2001	Fjord sediment; 3981 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 60	1996-99	2	0.0008	0.0005					2	Vikelsee et al., 2001	Fjord sediment; 6374 m from WWTP outlet; dry wt.
Denmark, Isefjord - Bramsnaes	1996-99	2	0.015					<0.030	2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Isefjord - Tempelkrog	1996-99	2	0.002	0.0005					2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Hove A upstream Lake Gundsomagle	1998-99	2	0.0009	0.0013					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 100 m west	1998-99	2	0.0004	0.0006					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 200 m west	1998-99	2	0.015					<0.030	2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, south bank	1998-99	2	0.015					<0.030	2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Hove A downstream Lake Gundsomagle	1998-99	6	0.0008	0.0015					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
		50	0.003				0.0004	<0.03			
Japan/Asia											
Japan - 11 major rivers	late 1998	5	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 11 major rivers	summer 1999	11	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 11 sites
Japan - rivers, sea areas, lakes - nationwide	1998	152	0.005		<0.010		<0.010	0.016	4	JEA, 1999	Detected at 1 of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 11 sites
		264	0.005				<0.010	0.016			Mean represents one half detection limit

Suspended Particulate Matter		Concentration as ug/g dry weight				Single	Range		Data		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	73						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	574						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L
		6	323				73	574			Min. and max. are referenced averages

Soil		Concentration as ug/kg dry weight				Single	Range		Data		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe/UK											
Denmark - Roskilde; uncultivated soil	1996	20	0.01		<0.01		<0.01	0.02	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; ecologically cultivated for 40 y	1996	20	0.02		<0.01		<0.01	0.07	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	0.07		0.01		<0.01	0.3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; cultivated using artificial fertilizer	1996	20	0.02		0.02		<0.01	0.03	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (medium amts)	1996	20	0.01		<0.01		<0.01	0.03	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (low amts)	1996	20	0.02		0.01		<0.01	0.04	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
		120	0.03				<0.01	0.3			
Denmark - Roskilde; sludge amended soil (high amts)	1996	20	22		1.8		0.20	4.5	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (high amts) 2 y later	1998	24	1.0		0.95		0.7	1.3	1	Vikelsee et al., 1999	0 to 60 cm; divided into 6 depth intervals of 10 cm each
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	0.35		<0.01		<0.01	1.7	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each

Air		Concentration as ng/m ³				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
USA												
Indoor												
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	120	1		<2		<2	<2	2	Rudel et al., 2003	Not detected in any of 120 samples; detection limit = 2 ng/m ³	
		120	1				<2	<2		Mean represents one half detection limit		
Japan/Asia												
Outdoor												
Japan - Industrial areas	1998 (Oct.-Dec.)	59	0.13		<0.16		<0.16	1.5	4	Japan MOE, 1999a	Detected in 4 of 59 samples	
Japan - Residential areas	1998 (Oct.-Dec.)	60	0.10		<0.16		<0.16	0.86	4	Japan MOE, 1999a	Detected in 2 of 60 samples	
Japan - Suburbs	1998 (Oct.-Dec.)	59	0.15		<0.16		<0.16	1.0	4	Japan MOE, 1999a	Detected in 5 of 59 samples	
Japan - Industrial areas	2000 spring	6	0.205		<0.41		<0.41	<0.41	4	Japan MOE, 2000a	Not detected in any of 6 samples	
Japan - Residential areas	2000 spring	6	0.205		<0.41		<0.41	<0.41	4	Japan MOE, 2000a	Not detected in any of 6 samples	
Japan - Suburbs	2000 spring	6	0.205		<0.41		<0.41	<0.41	4	Japan MOE, 2000a	Not detected in any of 6 samples	
		196	0.13				<0.16	1.5				
DUST												
DUST		Concentration as ug/kg dry weight				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
USA												
Cape Cod, MA - 120 residences	1999-2001	119	200		<400		<400	<400	2	Rudel et al., 2003	Not detected in any of 119 samples; detection limit = 400 ug/kg	
		119	200				<400	<400		Mean represents one half detection limit		
Deposition												
Deposition		Units of ug/m ² y				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Denmark, Roskilde, Lille Valby meteorological station	1996-97	15	0.1	0.3			<1	1.0	1	Vikelsee et al., 2001, 1998		
		15	0.1				<1	1.0				
Wastewater												
Wastewater		Concentration as ug/L				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Denmark - Roskilde, car wash	1996-97	26	0.1	0.7			<0.2	4	1	Vikelsee et al., 1998		
Denmark - Roskilde, hospital	1996	6	0.3				0.1	0.6	1	Vikelsee et al., 1998		
Denmark - Roskilde, kindergarten	1996	1	130			130			1	Vikelsee et al., 1998		
Denmark - Roskilde, industrial laundry	1996						<0.2		1	Vikelsee et al., 1998	Not detected in 2 samples tested	
Denmark - Roskilde, WWTP inlet	1996	10	0.8				<0.2	7	1	Vikelsee et al., 1998		
Denmark - Herlev, adhesives industry	1996	2	67				40	94	1	Vikelsee et al., 1998		
Denmark - Roskilde WWTP - inlet	May-99	7	0.07	0.05	0.05		0.02	0.14	4	Fausser et al., 2001	Mean 0.04 ug/L in supernatant; 0.07 ug/L settled	
Denmark - Roskilde WWTP - outlet	May-99	7	0.008	0.009	0.01		nd	0.02	4	Fausser et al., 2001		
		59	4.7				<0.008	130				
Japan/Asia												
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 8 sites	
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	summer 1998	2	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 2 sites	
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 8 sites	
		18	0.1				<0.2	<0.2				
Sludge												
Sludge		Concentration as ug/kg dry weight				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Denmark - Roskilde WWTP - primary sludge	May-99	1	10			10			4	Fausser et al., 2001	Dry wt. basis	
Denmark - Roskilde WWTP - secondary sludge	May-99					nd			4	Fausser et al., 2001	Dry wt. basis	
		1	10				ND	10				

Drinking Water		Concentration as ug/L			Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Denmark, Roskilde - tapwater in NERI lab	1996	1	0.002			<0.004			1	Vikelsee et al., 1998	
		1	0.002				<0.004				
Food											
Type	Date	N	Average	SD	Median	Single Point	Low	High	Quality	Reference	Comments
FISH											
Fish - various species - Japan	1998	141	0.005		<0.010		<0.010	<0.010	4	JEA, 1999	Not detected at any of 141 sites
Fish, Korea - nationwide survey; 31 samples	N/A						ND	0.00232	4	Choi et al., 2001	Wet wt.; Detected in 1.6% samples
		141	0.005				<0.010	0.00232			Mean represents one half detection limit
TOTAL DIET SAMPLES											
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
		126	0.00005				<0.0001	<0.0001			Mean represents one half detection limit

Diphenyl Phthalate (DPhP)

Surface Water											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Japan/Asia											
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.3		<0.6		<0.6	<0.6	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		14	0.3				<0.6	<0.6		Mean represents one half detection limit	
Other											
Nigeria, Obafemi Awolowo University; U/S sewage discharge	2002-2003	8	2,785		<1.01		<1.01	15,180	3	Ogunfowokan et al., 2001 Monthly samples for 8 months	
Nigeria, Obafemi Awolowo University; D/S sewage discharge	2002-2003	32	10,190		1,365		<1.01	52,650	3	Ogunfowokan et al., 2001 Monthly samples for 8 months	
Sediments											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Japan/Asia											
Taiwan - rivers	2000 (Jan.-Aug.)	6	0.1				ND	1.2	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		6	0.1				ND	1.2			
Dust											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe											
Belgium - dust from homes & offices (69 locations); 2 mm fi	2003	23	50		<100		<100	<100	4	Greenpeace Belgium, 201 23 individual and pooled samples; not det. in any of 23 samples	
		23	50				<100			Mean represents one half detection limit	
Precipitation											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Europe											
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.005		<0.010		<0.010	<0.010	1	Peters, 2003	Not detected in any of 50 samples; MDL 0.010 ug/L
		50	0.005				<0.010	<0.010		Mean represents one half detection limit	
Wastewater											
Location	Date	N	Average	SD	Median	Single Point	Low	High	Data Quality	Reference	Comments
Other											
Nigeria, Obafemi Awolowo University; sewage lagoon	2002-2003	30	23,000		13,605		<1.01	100,010	3	Ogunfowokan et al., 2001 Monthly samples for 8 months	

Legend

Yellow Data, changes or comments added in 2009

Cyan Also used in drinking water summary

Grey Excluded from calculated summary

Pink Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Di-n-hexyl Phthalate (DHxP)

Surface Water											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.4		<0.8		<0.6	<0.8	4	Prie et al., 1996	Not detected in any of 3 samples
		3	0.4				<0.6	<0.8		Mean represents one half detection limit	
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)						ND	ND	1	Zeng et al., 2008a	Detection limit not reported
Japan - 12 major rivers	early 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	late 1998	5	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 12 major rivers	summer 1999	12	0.1		<0.2		<0.2	<0.2	2	MOC, 1999a	Not detected at any of 12 sites
Japan - Rivers - general watersheds	summer 1998	100	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 100 sites
Japan - Rivers - general watersheds	autumn 1998	139	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites
Japan - Lakes - general watersheds	summer 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Lakes - general watersheds	autumn 1998	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites
Japan - Sea areas - general watersheds	summer 1998	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 17 sites
Japan - Sea areas - general watersheds	autumn 1998	18	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites
Japan - Rivers, sea - priority watersheds	1999?	101	0.05		<0.1		<0.1	<0.1	4	JEA, 1999	Not detected at any of 101 sites
Japan - Rivers	2000 (Jan.-Feb.)	124	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 124 sites
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 6 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 17 sites
Japan - Rivers	2001 (Jan.-Mar.)	124	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 124 sites
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 5 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 17 sites
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.4		<0.8		<0.8	<0.8	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		714	0.06				<0.1	<0.8		Mean represents one half detection limit	
Ground Water											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Japan/Asia											
Japan - general watersheds	summer 1998	8	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites
Japan - general watersheds	autumn 1998	12	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 23 sites
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.05		<0.1		<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 24 sites
		67	0.05				<0.1	<0.1		Mean represents one half detection limit	
Landfill Leachate											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Japan/Asia											
Japan - landfill leachate	N/A					ND			4	Behnisch et al. 2001	Detection limit: 0.1 to 0.3 ug/L
							<0.1	<0.3			
Sediments											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.082		0.046		ND	0.34	1	Zeng et al., 2008a	Top 10 cm; det. in 87% samples
Japan - 11 major rivers	late 1998	5	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 5 sites
Japan - 11 major rivers	summer 1999	11	0.005		<0.010		<0.010	<0.010	2	MOC, 1999a	Not detected at any of 11 sites
Japan - rivers, sea areas, lakes - nationwide	1998	152	0.005		<0.010		<0.010	0.017	4	JEA, 1999	Detected at 1 of 152 sites
Japan - Rivers	2000 (Jan.-Feb.)	32	0.005		<0.010		<0.010	0.011	4	Japan MOE, 2000b	Detected at 1 of 32 sites
Japan - Lakes	2000 (Jan.-Feb.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 4 sites
Japan - Coastal sea water	2000 (Jan.-Feb.)	12	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 12 sites
Japan - Rivers	2001 (Jan.-Mar.)	33	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 33 sites
Japan - Lakes	2001 (Jan.-Mar.)	4	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 4 sites
Japan - Coastal sea water	2001 (Jan.-Mar.)	11	0.005		<0.010		<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 11 sites
Taiwan - rivers	2000 (Jan.-Aug.)	6	0.2				ND	1.9	4	Yuan, et al. 2002	Sample locations described as heavily contaminated
		285	0.013				<0.010	1.9			
Other											
Greenland	2002						<0.0015	0.0025	3	Vorkamp et al., 2004	Not corrected for blanks; unclear if wet wt or dry wt basis

Legend

Yellow: Data, changes or comments added in 2009

Cyan: Also used in drinking water summary

Grey: Excluded from calculated summary

Pink: Indicates average based on detection limit

BOLD: Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Soil		Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Japan/Asia											
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	3		11		ND	13	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 30% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	8		9		ND	12	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 75% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	4			ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 0% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	2		7		ND	11	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 25% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	92		4		ND	547	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 50% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	2	4	4		ND	12	1	Zeng et al., 2009	Top 5 cm; det. in 23.5% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	26	60	33		ND	224	1	Zeng et al., 2009	Top 5 cm; det. in 38.5% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	3	10	24		ND	24	1	Zeng et al., 2009	Top 5 cm; det. in 14.3% samples
		65	16				ND	547			

Air		Concentration as ng/m ³				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct.-Dec.)	59	4.8		<9.6		<9.6	<9.6	4	Japan MOE, 1999a	Not detected in any of 59 samples
Japan - Residential areas	1998 (Oct.-Dec.)	60	4.8		<9.6		<9.6	<9.6	4	Japan MOE, 1999a	Not detected in any of 60 samples
Japan - Suburbs	1998 (Oct.-Dec.)	59	4.8		<9.6		<9.6	<9.6	4	Japan MOE, 1999a	Not detected in any of 59 samples
Japan - Industrial areas	2000 spring	6	8		<16		<16	<16	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Residential areas	2000 spring	6	8		<16		<16	<16	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Suburbs	2000 spring	6	8		<16		<16	<16	4	Japan MOE, 2000a	Not detected in any of 6 samples
		196	5.1				<9.6	<16			Mean represents one half detection limit

Dust		Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
USA											
Indoor - One office sample, five residential samples	2000	5	3140	3270			308	9000	1	Rudel et al., 2001	Detected in 5 of 6 samples; < 150 um
Cape Cod, MA - 120 residences	1999-2001	119	2600		1.10E+03		<100	3,06E+04	2	Rudel et al., 2003	Detected in 76% of samples; detection limit = 100 ug/kg
		124	2622				<100	3,06E+04			

Wastewater		Concentration as ug/L				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Sweden-Goteborg - carwash effluent	1990-92						<1	700	4	Paxeus, 1996a	
Scotland - SEPA West Region - STW Effluent	1996	19	2.1		<1.9		<1.5	<20	4	Pirie et al., 1996	Not detected in any of 19 samples
Scotland - SEPA East Region - STW Effluent	1996	24	16.6	75	<1.5		<0.5	368.6	4	Pirie et al., 1996	Detected in 1 of 24 samples
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	0.33	0.36			<0.33	700	4	Oliver et al., 2005	Min. value is a reported mean
		66	6.76								
Japan/Asia											
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 8 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	summer 1998	2	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 2 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	fall 1998	8	0.1		<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 8 sites
		18	0.1				<0.2	<0.2			Mean represents one half detection limit

Sludge		Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Switzerland - domestic	1999?	4	32		<63		<63	<63	2	Berset and Etter-Holzer, 2001	Not detected in 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?	6	32		<63		<63	<63	2	Berset and Etter-Holzer, 2001	Not detected in 6 samples
Switzerland - domestic, storm water, lgr amt. ind.	1999?	2	32		<63		<63	<63	2	Berset and Etter-Holzer, 2001	Not detected in 2 samples
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	280	10			<63	280	4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
		44	212								Max. value is a reported mean

Drinking Water		Concentration as ug/L				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Canada											
Ottawa, ON - bottled water (polycarbonate bottle)	2007	1	0.018			<0.036			1	Cao, 2008	Non-carbonated water
Halifax, NS - bottled water (glass or PETE bottles)	2006	10	0.018				<0.036	<0.036	1	Cao, 2008	Carbonated and non-carbonated water
		11	0.018				<0.036	<0.036			Mean represents one half detection limit

Food		Concentration as ug/g				Single	Range		Data	Reference	Comments
Type	Date	N	Average	SD	Median	Point	Low	High	Quality		
FISH											
Fish - various species - Japan	1998	141	0.005		<0.010		<0.010	<0.010	4	JEA, 1999	Not detected at any of 141 sites
Fish, Korea - nationwide survey; 31 samples	N/A						ND	0.010	4	Choi et al., 2001	Wet wt.; Detected in 1.6% samples
		141	0.005				<0.010	0.010			Mean represents one half detection limit
TOTAL DIET SAMPLES											
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan-Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
		126	0.00005				<0.0001	<0.0001			Mean represents one half detection limit

Wildlife		Concentration in ug/kg wet weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Greenland - Polar bear liver	1999-2002						6.4	107.4	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland - Minke whale liver	1998					7.2			3	Vorkamp et al., 2004	Not corrected for blanks

Faroe Islands - Pilot whale liver	2001	2.5	5.5	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Ringed seal liver	2002	7.3	15.4	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, west - Ringed seal liver	2002	8.8	25.7	3	Vorkamp et al., 2004	Not corrected for blanks
Greenland, east - Shorthorn sculpin liver	2002	2.5	10.7	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%
Greenland, west - Shorthorn sculpin liver	2002	2.5	6.1	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%
Faroe Islands - Northern fulmar - fat tissue	1998-1999	2.5	47.7	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%

Di-iso-hexyl Phthalate (DiHxP)

Surface Water		Date	Concentration as ug/L			Median	Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD			Low	High			
Canada												
Alberta - N. Sask. River - downstream of WWTP effluent		2002 (Dec)	1	0.0034		0.0034			1	Alberta Environment, 2005	C6-iso-mix	
Alberta - Bow River - downstream of WWTP effluent		2003 (Jan)	1	0.0272		0.0272			1	Alberta Environment, 2005	C6-iso-mix	
Alberta - Oldman River - downstream of WWTP effluent		2003 (Jan)	1	0.0017		<0.0033			1	Alberta Environment, 2005	C6-iso-mix	
Alberta - S. Sask. River - upstream of Medicine Hat		2003 (Jan)	1	0.0039		0.0039			1	Alberta Environment, 2005	C6-iso-mix	
Alberta - Red Deer River - downstream of WWTP effluent		2003 (Jan)	1	0.0017		<0.0033			1	Alberta Environment, 2005	C6-iso-mix	
B.C. - False Creek Harbour, sea water - total conc.		N/A	5	0.00997			0.00492	0.02010	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values	
B.C. - False Creek Harbour, sea water - freely dissolved		N/A	5	0.00528			0.00260	0.01070	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values	
			15	0.0076			0.00260	0.0272				

Sediments		Date	Concentration as ug/g dry weight			Median	Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD			Low	High			
Canada												
B.C. - marine sediments		N/A				0.0075			4	Mackintosh et al., 2002	Corrected for blanks; det. in 11 of 13 samples	
B.C. - False Creek Harbour, marine sediments		N/A	11	0.00672			<0.0006	0.01070	1	Mackintosh et al., 2006	Det. in 11 of 13 samples	
			11	0.00672			<0.0006	0.0117				

Suspended Particulate Matter		Date	Concentration as ug/g dry weight			Median	Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD			Low	High			
Canada												
B.C. - False Creek Harbour, marine sediments		N/A	5	1.910			0.933	3.90	1	Mackintosh et al., 2006		
			5	1.910			0.933	3.90				

Dust		Date	Concentration as ug/kg dry weight			Median	Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD			Low	High			
Central Europe												
Netherlands - House dust		2001	17	3.91E+05	5.33E+05	2.12E+05	6.70E+04	2.08E+06	4	Greenpeace, 2001	90th percentile = 814,000	
Netherlands - School dust		2001	1	1.30E+05		1.30E+05			4	Greenpeace, 2001		
			18	3.76E+05			6.70E+04	2.08E+06				

Wastewater		Date	Concentration as ug/L			Median	Single Point	Range		Data Quality	Reference	Comments
Location			N	Average	SD			Low	High			
Canada												
Alberta - effluent from 7 WWTPs		Dec 02-Jun 03	7	0.0376	0.049	0.024			1	Alberta Environment, 2005	C6-iso-mix; det. in 7 of 8 samples; range and ave are for det. values	
			7	0.0376			0.001	0.1419				

Food		Date	Concentration as ug/g			Median	Single Point	Range		Data Quality	Reference	Comments
Type			N	Average	SD			Low	High			
FISH												
False Creek harbour, B.C., Canada - Green Algae		1999	9	0.0001					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%	
False Creek harbour, B.C., Canada - Brown Algae		1999	9	0.000009					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%	
False Creek harbour, B.C., Canada - Plankton		1999	9	0.0002					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%	
False Creek harbour, B.C., Canada - Blue Mussels		1999	9	0.0041					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%	
False Creek harbour, B.C., Canada - Pacific Oysters		1999	9	0.0013					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada - Geoduck Clams		1999	9	0.0035					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada - Manila Clams		1999	9	0.0050					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%	
False Creek harbour, B.C., Canada - Dungeness Crabs		1999	9	0.0018					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%	
False Creek harbour, B.C., Canada - Purple Seastar		1999	9	0.0008					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%	
False Creek harbour, B.C., Canada - Juvenile Shiner Perch		1999	9	0.0005					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada - Pacific Herring		1999	9	0.0007					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%	
False Creek harbour, B.C., Canada - Pile Perch		1999	9	0.0002					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada - Striped Seaperch		1999	9	0.00011					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%	
False Creek harbour, B.C., Canada - Pacific Staghorn Sculpin		1999	9	0.0004					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%	
False Creek harbour, B.C., Canada - English Sole		1999	9	0.0002					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%	
False Creek harbour, B.C., Canada - Whitespotted Greenling		1999	9	0.0001					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%	
False Creek harbour, B.C., Canada - Spiny Dogfish- muscle		1999					<0.00016		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Spiny Dogfish- liver		1999					<0.00016		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Spiny Dogfish- embryo		1999					<0.00016		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Surf Scoters		1999	9	0.01708					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%	
			153	0.0021			0.000009	0.0171				

Legend

Yellow: Data, changes or comments added in 2009

Cyan: Also used in drinking water summary

Grey: Excluded from calculated summary

Pink: Indicates average based on detection limit

BOLD: Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Dicyclohexyl Phthalate (DCHP)

Surface Water											
Location	Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments	
		N	Average	SD	Median	Low	High				
Europe	1999		NA		0.0076	<0.0031	0.06	1	Vethaak, et al. 2002	Detected in 29 of 87 samples; median calc. using detected values only	
Japan/Asia	2006	1	0.07			<0.14		4	Li et al., 2008		
China, Beijing - Haidian District, Jingmi Canal	2006	1	0.46			0.46		4	Li et al., 2008		
China, Beijing - Haidian District, Xiaqing River	2005 (May)	15	0.076		0.076	ND	0.076	1	Zeng et al., 2008a	Det. in 7% samples; det. limit not reported	
China, Guangzhou City - urban lakes, 15 locations	1985	27	0.20			<0.4	<0.4	4	Japan MOE, 2003	Not detected in any of 27 samples	
Japan - surface water	early 1998	5	0.1			<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites	
Japan - 12 major rivers	late 1998	5	0.1			<0.2	<0.2	2	MOC, 1999a	Not detected at any of 5 sites	
Japan - 12 major rivers	summer 1999	12	0.1			<0.2	<0.2	2	MOC, 1999a	Not detected at any of 12 sites	
Japan - Rivers - general watersheds	summer 1998	100	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 100 sites	
Japan - Rivers - general watersheds	autumn 1998	139	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 139 sites	
Japan - Lakes - general watersheds	summer 1998	5	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites	
Japan - Lakes - general watersheds	autumn 1998	5	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 5 sites	
Japan - Sea areas - general watersheds	summer 1998	17	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 17 sites	
Japan - Sea areas - general watersheds	autumn 1998	18	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 18 sites	
Japan - Rivers, sea - priority watersheds	1999?	101	0.05			<0.1	<0.1	4	JEA, 1999	Not detected at any of 101 sites	
Japan - Rivers	2000 (Jan.-Feb.)	124	0.05			<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 124 sites	
Japan - Lakes	2000 (Jan.-Feb.)	6	0.05			<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 6 sites	
Japan - Coastal sea water	2000 (Jan.-Feb.)	17	0.05			<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 17 sites	
Japan - Rivers	2001 (Jan.-Mar.)	124	0.05			<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 124 sites	
Japan - Lakes	2001 (Jan.-Mar.)	5	0.05			<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 5 sites	
Japan - Coastal sea water	2001 (Jan.-Mar.)	17	0.05			<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 17 sites	
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Japan, Tokyo - Tama River site #2	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Japan, Tokyo - Tama River site #3	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Japan, Tokyo - Aki River	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Japan, Tokyo - Asa River	1999-2000	12	0.001			<0.002	<0.002	1	Suzuki, et al. 2001	Not detected in 12 monthly samples	
Taiwan - rivers	2000 (Jan.-Aug.)	14	0.3			<0.6	<0.6	4	Yuan, et al. 2002	Sample locations described as heavily contaminated	
		830	0.06			<0.002	0.46				
China - Jingmi Canal	NA					<3.1		4	Cai et al., 2003	Elevated detection limit	
Ground Water											
Location	Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments	
		N	Average	SD	Median	Low	High				
Japan/Asia	summer 1998	8	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 8 sites	
Japan - general watersheds	autumn 1998	12	0.05			<0.1	<0.1	4	Japan MOE, 1999b	Not detected at any of 12 sites	
Japan - general watersheds	2000 (Jan.-Feb.)	23	0.05			<0.1	<0.1	4	Japan MOE, 2000b	Not detected at any of 23 sites	
Japan - agr., urban, and industrial areas	2001 (Jan.-Mar.)	24	0.05			<0.1	<0.1	4	Japan MOE, 2001a	Not detected at any of 24 sites	
		67	0.05			<0.1	<0.1			Mean represents one half detection limit	
Landfill Leachate											
Location	Date	Concentration as ug/L			Single Point	Range		Data Quality	Reference	Comments	
		N	Average	SD	Median	Low	High				
Japan/Asia	NA					ND		4	Behnisch et al. 2001	Detection limit: 0.1 to 0.3 ug/L	
Japan - landfill leachate						<0.1	<0.3				
Sediments											
Location	Date	Concentration as ug/g dry weight			Single Point	Range		Data Quality	Reference	Comments	
		N	Average	SD	Median	Low	High				
Europe	1999	36	0.01			<0.015	0.109	1	ALcontrol, 1999	Detected in 1 of 36 samples	
Netherlands	1999		0.01			<0.0016	0.011	1	Vethaak, et al. 2002	Detected in 4 of 21 samples; median calc. using detected values only	
		36	0.01			<0.0016	0.109				
Japan/Asia	2005 (May)	15	0.074		0.066	ND	0.22	1	Zeng et al., 2008a	Top 10 cm; det. in 53% samples	
China, Guangzhou City - urban lakes, 15 locations	1985	27	0.025			<0.05	<0.05	4	Japan MOE, 2003	Not detected in any of 27 samples	
Japan - bottom sediment	late 1998	5	0.005			<0.010	<0.010	2	MOC, 1999a	Not detected at any of 5 sites	
Japan - 11 major rivers	summer 1999	11	0.005			<0.010	<0.010	2	MOC, 1999a	Not detected at any of 11 sites	
Japan - 11 major rivers	1998					<0.010	0.170	4	JEA, 1999	Detected at 4 of 152 sites	
Japan - rivers, sea areas, lakes - nationwide	2000 (Jan.-Feb.)	32	0.006			<0.010	0.016	4	Japan MOE, 2000b	Detected at 2 of 32 sites	
Japan - Rivers	2000 (Jan.-Feb.)	4	0.005			<0.010	<0.010	4	Japan MOE, 2000b	Not detected at any of 4 sites	
Japan - Lakes	2000 (Jan.-Feb.)	12	0.006			<0.010	0.012	4	Japan MOE, 2000b	Detected at 1 of 12 sites	
Japan - Coastal sea water	2001 (Jan.-Mar.)	33	0.008			<0.010	0.075	4	Japan MOE, 2001a	Detected at 3 of 33 sites	
Japan - Rivers	2001 (Jan.-Mar.)	4	0.005			<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 4 sites	
Japan - Lakes	2001 (Jan.-Mar.)	11	0.005			<0.010	<0.010	4	Japan MOE, 2001a	Not detected at any of 11 sites	
Japan - Coastal sea water	2001 (Jan.-Mar.)	6	0.2			ND	1.9	4	Yuan, et al. 2002	Sample locations described as heavily contaminated	
Taiwan - rivers	2000 (Jan.-Aug.)	160	0.023			<0.010	1.9				

Legend

Data, changes or comments added in 2009

Also used in drinking water summary

Excluded from calculated summary

Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Netherlands	1999	34	NA		0.041		<0.0016	1.3	1	Vethaak, et al. 2002	Detected in 24 of 51 samples; median calc. using detected values only
							<0.0016	1.3			
Soil											
Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Netherlands	1998?	34	7.5		<15		<15	<15	1	ALcontrol, 1999	Not detected in any of 34 samples
		34	7.5				<15	<15		Mean represents one half detection limit	
Japan/Asia											
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	7		12		ND	18	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 60% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	44		37		16	86	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	7		8		ND	58	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 33.3% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	14		8		ND	71	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 62.5% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	27		22		ND	122	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 50% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	36		62		ND	95	1	Zeng et al., 2009	Top 5 cm; det. in 58.8% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	25	50	71		ND	171	1	Zeng et al., 2009	Top 5 cm; det. in 30.8% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	14	20	41		ND	57	1	Zeng et al., 2009	Top 5 cm; det. in 42.9% samples
		77	21				ND	171			
Air											
Location	Date	Concentration as ng/m3				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
USA											
Indoor											
Cape Cod, MA - 120 residences; 24 hour sample	1999-2001	102	3.4		<2		<2	280	2	Rudel et al, 2003	Detected in 21% of samples; detection limit = 2 ng/m3
		102	3.4				<2	280			
Europe											
Indoor											
Germany, Berlin - 59 apartments & 74 kindergartens	2000-01						<10	11	4	Fromme et al., 2004	Detected in 1 of 133 samples
Norway, Oslo University College corridor - measured on PM10	2003	1	0.2				0.2		1	Rakkestad et al., 2007	
Norway, Oslo University College office - measured on PM10	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Oslo University College stairway - measured on PM10	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Oslo University College computer room - measured on PM10	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM10	2003	1	2.2				2.2		1	Rakkestad et al., 2007	
Norway, Oslo University College hall - measured on PM2.5	2003	1	2.4				2.4		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM10	2003	1	1.1				1.1		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school corridor - measured on PM2.5	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playground - measured on PM10	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Lysejordet primary school playground - measured on PM2.5	2003	1	0.1				<0.2		1	Rakkestad et al., 2007	
Norway, Smestad primary school corridor - measured on PM10	2003	1	30				30		1	Rakkestad et al., 2007	
Norway, Smestad primary school corridor - measured on PM2.5	2003	1	3.5				3.5		1	Rakkestad et al., 2007	
Norway, Smestad primary school library - measured on PM10	2003	1	2.9				2.9		1	Rakkestad et al., 2007	
Norway, Smestad primary school library - measured on PM2.5	2003	1	4.2				4.2		1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM10	2003	1	6.3				6.3		1	Rakkestad et al., 2007	
Norway, Vestjordet kindergarten - measured on PM2.5	2003	1	3.2				3.2		1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM10	2003	1	1.8				1.8		1	Rakkestad et al., 2007	
Norway, Grefsen kindergarten - measured on PM2.5	2003	1	1.9				1.9		1	Rakkestad et al., 2007	
Norway, Lindern kindergarten - measured on PM10	2003	1	0.2				0.2		1	Rakkestad et al., 2007	
Norway, Lindern kindergarten - measured on PM2.5	2003	1	0.3				0.3		1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM10	2003	1	0.6				0.6		1	Rakkestad et al., 2007	
Norway, Lysejordet dwelling children's room - measured on PM2.5	2003	1	1.0				1.0		1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM10	2003	1	1.5				1.5		1	Rakkestad et al., 2007	
Norway, Korsvoll dwelling sitting room - measured on PM2.5	2003	1	1.4				1.4		1	Rakkestad et al., 2007	
		24	2.7				-0.2	30.3			
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct.-Dec.)	59	0.27		<0.38		<0.38	4.9	4	Japan MOE, 1999a	Detected in 1 of 59 samples
Japan - Residential areas	1998 (Oct.-Dec.)	60	0.36		<0.38		<0.38	3.2	4	Japan MOE, 1999a	Detected in 3 of 60 samples
Japan - Suburbs	1998 (Oct.-Dec.)	59	0.35		<0.38		<0.38	2.6	4	Japan MOE, 1999a	Detected in 3 of 59 samples
Japan - Industrial areas	2000 spring	6	0.385		<0.77		<0.77	<0.77	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Residential areas	2000 spring	6	0.385		<0.77		<0.77	<0.77	4	Japan MOE, 2000a	Not detected in any of 6 samples
Japan - Suburbs	2000 spring	6	0.385		<0.77		<0.77	<0.77	4	Japan MOE, 2000a	Not detected in any of 6 samples
		196	0.33				<0.38	4.9			
Japan - Ibaraki Prefecture	1991	1	50			<100			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50			<100	<100		3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	50			<100	<100		3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50			<100	<100		3	Watanabe, 2001	August; 30 m to 100 m above ground surface

Indoor											
Tokyo - six houses	2000	6	70		30	<1.2	170	1	Otake et al, 2001	Sampling in April and May; detected in 5 of 6 samples	
Tokyo - 27 houses and apartments - spring and autumn	2000	27	120	180	70	<1	750	4	Otake et al, 2004	Includes data presented in Otake et al., 2001	
		33	111			<1	750				

Dust											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
Indoor - One office sample, five residential samples	2000	6	1860	1620			569	5380	1	Rudel et al, 2001	Sieved to <150 um
Cape Cod, MA - 120 residences	1999-2001	101	2980		1.88E+03		<800	62700	2	Rudel et al, 2003	Detected in 77% of samples; detection limit = 800 ug/kg
		107	2917				569	62700			
Europe											
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	1700		800		<100	18900	4	Greenpeace Belgium, 2004	23 individual and pooled samples; det. in 21 of 23 samples
		23	1700				<100	18900			

Precipitation											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Netherlands - rainwater	1999	3	0.4		<0.8		<0.8	<0.8	1	Vethaak, et al. 2002	Not detected in any of 3 samples
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.038	0.04	0.024		<0.010	0.196	1	Peters, 2003	Detected in 92% of samples; MDL 0.010 ug/L
		53	0.058				<0.010	0.196			

Wastewater											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Germany - pulp & paper industry	1999	1	0.04			0.04			4	Alberti, et al. 2000	
Germany - leather industry	1999	1	0.32			0.32			4	Alberti, et al. 2000	
Germany - landfill	1999	1	0.05			0.05			4	Alberti, et al. 2000	
Germany - chemical industry	1999	1	0.03			0.03			4	Alberti, et al. 2000	
Germany - coating materials	1999	1	0.04			0.04			4	Alberti, et al. 2000	
Netherlands - STP effluent	1999				0.016		<0.002	0.017	1	Vethaak, et al. 2002	Detected in 2 of 9 samples; median is calc. for detected values only
		5	0.10				<0.002	0.32			
Japan/Asia											
China, Beijing - Gaobeidian WWTP effluent	NA	1	0.5			<1.0			1	Wang, L. et al., 2007	
China, Beijing - Gaobeidian WWTP effluent	2006	1	0.49			0.49			4	Li et al., 2008	
Japan - Sewage inflow - 27 plants: Tohoku to Kansai Districts	fall 1998				<0.2		<0.2	0.3	2	Nasu et al., 2001	Trace detected at 1 of 8 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	summer 1998				<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 2 sites
Japan - Sewage effluent - 27 plants: Tohoku to Kansai Districts	fall 1998				<0.2		<0.2	<0.2	2	Nasu et al., 2001	Not detected at any of 8 sites
Japan, Tokyo (Fuchu) - Municipal STP effluent; dissolved phase	1999 (May-Nov)	3	0.00405				0.00119	0.00554	4	Nakada et al., 2004	
Japan, Tokyo (Fuchu) - Municipal STP effluent; particulate phase	1999 (May-Nov)	3	0.00025				<0.0001	0.00064	4	Nakada et al., 2004	
		8	0.125				<0.0001	0.49			

Sludge											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Switzerland - domestic	1999?	4	59.5		<119		<119	<119	2	Berset and Etter-Holzer, 2001	Not detected in 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?	6	268		274		<119	470	2	Berset and Etter-Holzer, 2001	Detected in 4 of 6 samples
Switzerland - domestic, storm water, ltrg amt. ind.	1999?	2	1001		1001		955	1047	2	Berset and Etter-Holzer, 2001	Detected in 2 samples
		12	321				<119	1047			

Drinking Water											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Japan/Asia											
China, Beijing - Haidian District - tap water	2006	1	0.07				<0.14	<0.14	4	Li et al., 2008	
		1	0.07				<0.14	NA			Mean represents one half detection limit
China - Beijing, tap water	NA					<3.1			4	Cai et al., 2003	Elevated detection limit

Food											
Type	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
BEVERAGES											
Sports drink, green tea, beer, coffee, fruit mix - Japan	NA		NA				ND	ND	2	Kataoka et al., 2002	15 samples; detection limit not reported
			NA				NA	NA			
DAIRY (excl. milk)											
Cheese, sliced - Japan	NA		NA				ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
			NA				NA	NA			
FATS & OILS											
Salad oil, margarine - Japan	NA		NA				ND	ND	2	Kataoka et al., 2002	6 samples; detection limit not provided
			NA				NA	NA			
FISH											
Fish - various species - Japan	1998	141	0.005		<0.010		<0.010	<0.010	4	JEA, 1999	Not detected at any of 141 sites
Fish cake - Japan	NA		NA						2	Kataoka et al., 2002	3 samples; detection limit not provided
Fish sausage - Japan	NA	3	0.137	0.009					2	Kataoka et al., 2002	
Fish, Korea - nationwide survey; 31 samples	NA		NA				ND	0.0477	4	Cho et al., 2001	Wet wt.; Detected in 8.1% samples
Fish, muscle - Netherlands	1999				0.0063		<0.0022	0.039	1	Vethaak, et al. 2002	Detected in 20 of 37 samples; median calc. using detected values only
Mussels, whole body - Netherlands	1999				0.0012		<0.00016	0.0072	1	Vethaak, et al. 2002	Detected in 5 of 14 samples; median calc. using detected values only
		144	0.008				<0.00016	0.0477			

GRAIN											
Rice - Japan	NA						ND	ND	2	Kataoka et al., 2002	6 samples; detection limit not provided
			NA				NA	NA			
MEAT											
Meat balls - Japan	NA						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
			NA				NA	NA			
OTHER FOODS											
Snack Products	NA						<0.01	18.6	4	Castle, et al. 1989	11 samples
Noodle soup, pickles, fruit jelly, potato chip, convenience lunch - Japan	NA						ND	ND	2	Kataoka et al., 2002	15 samples; detection limit not provided
			NA				<0.01	18.6			
PROCESSED MEAT											
Corne'd beef - Japan	NA						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
Meat products - Switzerland	1991-96	1	0.027		0.027		ND	ND	4	Kuchen, et al. 1999	
		1	0.027				NA	0.027			
VEGETABLES											
Deep-fried tofu - Japan	NA						ND	ND	2	Kataoka et al., 2002	3 samples; detection limit not provided
			NA				NA	NA			
TOTAL DIET SAMPLES											
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.0001		<0.0002		<0.0002	<0.0002	1	Tsumura et al., 2001a	Detection limit 0.0002 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.00005		<0.0001		<0.0001	<0.0001	1	Tsumura et al., 2003	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.0001		<0.0002		<0.0002	<0.0002	1	Tsumura et al., 2003	Detection limit 0.0002 ug/g
		126	0.00007				<0.0001	<0.0002			Mean represents one half detection limit

Consumer Products											
Location/Type	Date	Concentration as ug/g				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Japan/Asia											
China - bathing lotion	NA	1	0.05			<0.1			4	Shen et al., 2007	
China - hair spray	NA	1	15.46			15.46			4	Shen et al., 2007	
China - perfume	NA	2	28.29				21.32	35.26	4	Shen et al., 2007	
China - deodorant	NA	1	32.48			32.48			4	Shen et al., 2007	
China - shampoo	NA	2	4.21				3.56	4.86	4	Shen et al., 2007	
China - nail polish	NA	1	5.46			5.46			4	Shen et al., 2007	
China - cream	NA	4	4.03		4.94	<0.1		6.2	4	Shen et al., 2007	Detected in 3 of 4 samples (4.44, 5.44, 6.20 ug/g)
China - milk cleanser	NA	2	18.49				11.49	25.48	4	Shen et al., 2007	
China - shrinking solution	NA	1	5.44			5.44			4	Shen et al., 2007	
		15	11.8			<0.1		35.26			
Wildlife											
Location/Type	Date	Concentration in ug/kg wet weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Korea - Amphibians	NA								4	Choi et al., 2001	Wet wt.: 31 samples, detected in 4.8% samples
			NA								
							ND	21.2			
							ND	21.2			

Di-iso-heptyl Phthalate (DIHP)

Surface Water												
Location	Date	Concentration as ug/L				Single Point	Range		Data			Comments
		N	Average	SD	Median		Low	High	Quality	Reference		
Canada												
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0179			0.0179			1	Alberta Environment, 2005	C7-iso-mix	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.1584			0.1584			1	Alberta Environment, 2005	C7-iso-mix	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0518			0.0518			1	Alberta Environment, 2005	C7-iso-mix	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0687			0.0687			1	Alberta Environment, 2005	C7-iso-mix	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0536			0.0536			1	Alberta Environment, 2005	C7-iso-mix	
B.C. - False Creek Harbour, sea water - total conc.	NA	5	0.0211				0.00291	0.153	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values	
B.C. - False Creek Harbour, sea water - freely dissolved	NA	5	0.00951				0.00131	0.069	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values	
		15	0.0336				0.00131	0.1584				
Japan/Asia												
Japan - surface water	1974		NA				0.12	1.1	4	Japan MOE, 2003	Detected in 23 of 375 samples; det. limit of 0.05 to 10 ug/L	
							<0.05	1.1				

Sediments												
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data			Comments
		N	Average	SD	Median		Low	High	Quality	Reference		
Canada												
B.C. - marine sediments	NA				0.0698		0.0167	0.1183	4	Mackintosh et al., 2002	Corrected for blanks; det. in 11 of 13 samples	
B.C. - False Creek Harbour, marine sediments	NA	12	0.0608				<0.0027	0.1080	1	Mackintosh et al., 2006	Det. in 11 of 13 samples	
		12	0.0608				<0.0027	0.1183				
Europe												
NL: Veenwoude	2000	1	0.36			<0.72			1	David and Sandra, 2001	Dry wt; 13.87% dry mass	
NL: Heerde	2000	1	0.08			<0.16			1	David and Sandra, 2001	Dry wt; 62.03% dry mass	
NL: Vught	2000	1	0.10			<0.20			1	David and Sandra, 2001	Dry wt; 51.60% dry mass	
NL: Noordeinde	2000	1	0.10			<0.20			1	David and Sandra, 2001	Dry wt; 50.73% dry mass	
Netherlands	1999	36	0.059		<0.006		<0.006	0.864	1	ALcontrol, 1999	Detected in 4 of 36 samples	
		40	0.07				<0.006	0.864				
Japan/Asia												
Japan - bottom sediments	1974		NA				0.008	6.5	4	Japan MOE, 2003	Detected in 30 of 350 samples; det. limit of 0.00005 to 1 mg/kg	
							<0.00005	6.5				

Suspended Particulate Matter												
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data			Comments
		N	Average	SD	Median		Low	High	Quality	Reference		
Canada												
B.C. - False Creek Harbour, marine sediments	NA	5	12.870				4.430	37.40	1	Mackintosh et al., 2006		
		5	12.870				4.430	37.40				

Soil												
Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Data			Comments
		N	Average	SD	Median		Low	High	Quality	Reference		
Europe												
Netherlands	19987	34	3		<6		<6	<6	1	ALcontrol, 1999	Not detected in any of 34 samples	
		34	3				<6	<6			Mean represents one half detection limit	

Air												
Location	Date	Concentration as ng/m ³				Single Point	Range		Data			Comments
		N	Average	SD	Median		Low	High	Quality	Reference		
Europe												
Outdoor												
Netherlands - 4 locations	2000-2001	28	10				<20	<20	1	David and Sandra, 2001	Total air (vapour + aerosol)	
		28	10				<20	<20			Mean represents one half detection limit	

Legend

- Data, changes or comments added in 2009
- Also used in drinking water summary
- Excluded from calculated summary
- Indicates average based on detection limit
- BOLD** Calculated category summary

Data Quality

- 1 - Reliable without restrictions
- 2 - Reliable with restrictions
- 3 - Not reliable
- 4 - Unassignable

Precipitation		Concentration as ug/L				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Japan/Asia												
Japan - rain	1974		NA				0.16	8.5	4	Japan MOE, 2003	Detected in 22 of 111 samples; det. limit of 0.05 to 10 ug/L	
							<0.05	8.5				
Wastewater												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Canada												
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.0888	0.052	0.073		0.0438	0.1942	1	Alberta Environment, 2005	C7-iso-mix	
		8	0.0888				0.0438	0.1942				
Food												
Food Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
FISH												
Japan - fish	1974						0.14	0.36	4	Japan MOE, 2003	Wet wt.; det. in 13 of 312 samples; det. limit of 0.00005 to 5.0 ug/g	
Bream and Roach - NL	1998	25	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
Roach - NL; 0.77 to 1.58% fat	2000	3	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL	
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0005						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%	
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00010						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%	
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0025						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%	
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.0092						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%	
False Creek harbour, B.C., Canada - Pacific Oysters	1999	9	0.0030						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada - Geoduck Clams	1999	9	0.0015						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada - Manila Clams	1999	9	0.0020						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%	
False Creek harbour, B.C., Canada - Dungeness Crabs	1999	9	0.0068						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%	
False Creek harbour, B.C., Canada - Purple Seastar	1999						<0.00053		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Juvenile Shiner Perch	1999	9	0.00061						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%	
False Creek harbour, B.C., Canada - Pacific Herring	1999	9	0.000032						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%	
False Creek harbour, B.C., Canada - Pile Perch	1999	9	0.00020						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%	
False Creek harbour, B.C., Canada - Striped Seaperch	1999	9	0.00044						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%	
False Creek harbour, B.C., Canada - Pacific Staghorn Sculp	1999	9	0.0034						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%	
False Creek harbour, B.C., Canada - English Sole	1999	9	0.0039						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%	
False Creek harbour, B.C., Canada - Whitespotted Greenlin	1999	9	0.0004						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%	
False Creek harbour, B.C., Canada - Spiny Dogfish- musck	1999						<0.00053		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Spiny Dogfish- liver	1999	9	0.0664						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%	
False Creek harbour, B.C., Canada - Spiny Dogfish- embryo	1999						<0.00053		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%; not detected in any of 9 samples	
False Creek harbour, B.C., Canada - Surf Scoters	1999	9	0.04492						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%	
		181	0.008				0.000032	0.36				
MILK												
Milk - direct from cows; Netherlands	1998	29	0.005		<0.01		<0.01	<0.01	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7	
Milk - direct from cows; Netherlands	2000	3	0.005		<0.01		<0.01	<0.01	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0	
		32	0.005				<0.01	<0.01			Mean represents one half detection limit	
Vegetation												
Vegetation	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	50		<100		<100	<100	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%	
Cattle feed - Netherlands	1999	2	50				<100	<100	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass = 93.5%	
		55	50				<100	<100			Mean represents one half detection limit	
Plankton - Japan	1974						<10		4	Japan MOE, 2003	Not detected in any of 4 samples; det. limit of 10 to 10,000 ppb	

Di-n-Octyl Phthalate (DnOP)

Surface Water		Concentration as ug/L					Data			Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Range Low	High	Quality		
USA											
Washington, King County - lake waters	2002-2004						<0.0094	0.0396	3	King County, 2007	
Washington, King County - streams and rivers	2002-2004						<0.0094	0.68	3	King County, 2007	
Washington, King County - stormwater	2003-2004						<0.24	3.36	3	King County, 2007	
Europe											
Denmark - Fjord water - Roskilde Vig	1998-99	9	0.0026	0.0046					2	Vikelsee et al., 2001	
Denmark - Fjord water - Roskilde Bredning	1998-99	10	0.0010	0.0009					2	Vikelsee et al., 2001	
Denmark - Fjord water - Skuldelev	1998-99	3	0.0025	0.0017					2	Vikelsee et al., 2001	
Denmark - Fjord water - Fraderikeisund	1998-99	4	0.0040	0.0055					2	Vikelsee et al., 2001	
Denmark - Fjord water - Kulhuse	1998-99	4	0.0007	0.0009					2	Vikelsee et al., 2001	
Denmark - Hove A, 5 m upstream	1996	1	0.054		0.054				1	Vikelsee et al., 1998	
Denmark - Hove A near mouth	1996	1	0.047		0.047				1	Vikelsee et al., 1998	
Denmark - Hove A upstream Lake Gundsomagle	1998-99	4	0.0041	0.0037					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Lake Gundsomagle	1998-99	5	0.020	0.039					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Hove A downstream Lake Gundsomagle	1998-99	4	0.108	0.216					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Maglemose A, 5 m upstream	1996	1	0.0005			<0.01			1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1996	1	0.036		0.036				1	Vikelsee et al., 1998	
Denmark - Maglemose A near mouth	1998-99	2	0.0007	0.0010					2	Vikelsee et al., 2001	Stream and lake water
Denmark - Helligrenden near mouth	1998-99	4	0.0013	0.0027					2	Vikelsee et al., 2001	Stream and lake water
France, River Marne (River Seine tributary -upstream Paris)	2002-2004	85	0.022			ND	0.058		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - Allortville (upstream Paris)	2002-2004	85	0.0015			ND	ND		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - Alexandrille (Paris)	2002-2004	85	0.0015			ND	ND		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - Argenteuil (downstream Paris)	2002-2004	85	0.012			ND	0.017		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - Maisons Laffite (downstream Paris)	2002-2004	85	0.01			ND	0.016		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - Herblay (downstream Paris)	2002-2004	85	0.003			ND	0.003		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.005			ND	0.008		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Seine - ConflansRD (downstream Paris)	2002-2004	85	0.01			ND	0.018		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, River Oise (River Seine tributary - downstream Paris)	2002-2004	85	0.035			ND	0.056		4	Teil et al., 2007	Detection limit: 0.003 ug/L
France, Marne River - Port de Neuilly sur Marne	2007 (March)	1	0.010			<0.020			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP
France, Marne River - Port de Champigny sur Marne	2007 (March)	1	0.010			<0.020			1	Dargnat et al., 2009	Rainy conditions - upstream WWTP discharge
France, Marne River - Port de Chennevières	2007 (March)	1	0.010			<0.020			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
France, Marne River - Port de Maisons-Alfort	2007 (March)	1	0.010			<0.020			1	Dargnat et al., 2009	Rainy conditions - downstream WWTP discharge
Netherlands	1999				0.015		<0.0020	0.078	1	Vethaak, et al. 2002	Detected in 24 of 87 samples; median calc. using detected values only
Spain, marine water	N/A	1	0.025			<0.05			1	Gimeno et al., 2003	
Spain - Ebro River	N/A	1	0.015			<0.03			1	Penalver et al., 2000	
Spain, Tarragona industrial port	N/A	2	0.015				<0.03	<0.03	1	Penalver et al., 2000	
Spain, Biscay - Urdaibai estuary (natural biosphere)	N/A	3	0.42				<0.84		1	Cortazar et al., 2002	Detection limit = 0.84 ug/L
Spain - industrial harbour	N/A	1	0.008			<0.016			1	Polo et al., 2005	
Spain - river	N/A	1	0.008			<0.016			1	Polo et al., 2005	
Scotland - SEPA West Region, River Tay, Almond, Tweed	1996	3	0.9		<1.8		<1.8	<1.8	4	Pinie et al., 1996	Not detected in any of 3 samples
		834	0.016				0.0007	0.108		Min. and max. are referenced averages	
Canada											
Alberta Surface Water	1987-1992	1805	1.42				0.05	45	4	AENV, R.Tchir, 1999	
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0008			0.0008			1	Alberta Environment, 2005	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.004			0.004			1	Alberta Environment, 2005	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0020			0.0020			1	Alberta Environment, 2005	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0034			0.0034			1	Alberta Environment, 2005	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0035			0.0035			1	Alberta Environment, 2005	
B.C. - False Creek Harbour, sea water - total conc.	N/A	5	0.0128				0.00478	0.0346	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	5	0.00548				0.00204	0.0148	1	Mackintosh et al., 2006	Detected in 5 of 12 samples; average is for detected values
St. Lawrence River	1987	1	0.009						4	EC & HC, 1993 and 1994b	German and Langlois, 1998
Fort Erie	1988-1989	51	0.0029						4	EC & HC, 1993 and 1994b	Niagara River Data Interpretation Group, 1990
Niagara on the Lake	1988-1989	44	0.0052						4	EC & HC, 1993 and 1994b	Niagara River Data Interpretation Group, 1990
Alberta Surface Water Rural (subset)	1987-1992	1115	0.914				0.05	18	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Industrial (subset)	1987-1992	621	5.55				0.1	10	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
Alberta Surface Water Urban (subset)	1987-1992	165	1.10				0.05	45	4	AENV, R.Tchir, 1999	Database analysed by O'Connor (see Clark, et al. 2001)
AB and BC	1985-1988	81					<1	7	4	EC & HC, 1993 and 1994b	NAQUADATEN/RODAT
St. Clair River	1979-1980	24					1	10	4	EC & HC, 1993 and 1994b	Munro et al. 1985; intake of industrial chemical plant
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)						ND	ND	1	Zeng et al., 2008a	Detection limit not reported
China - Yellow River at Xiaolangdi	2004 (June)	3	0.291	0.0006					4	Sha et al., 2007	
China - Yellow River at Mangjin	2004 (June)	3	0.630	0.0116					4	Sha et al., 2007	
China - Yellow River at Jiagong	2004 (June)	3	0.0768	0.0054					4	Sha et al., 2007	
China - Yellow River at Zhengzhou	2004 (June)	3	0.682	0.0480					4	Sha et al., 2007	
China - Yellow River at Kaifeng	2004 (June)	3	0.789	0.0109					4	Sha et al., 2007	
China - Yellow River at Dongming	2004 (June)	3	0.0488	0.0083					4	Sha et al., 2007	
China - Yellow River tributary - Luoyang Petrochemical Channel	2004 (June)	3	1.393	0.0258					4	Sha et al., 2007	
China - Yellow River tributary - Mengzhou	2004 (June)	3					ND		4	Sha et al., 2007	Detection limit not reported
China - Yellow River tributary - Yao	2004 (June)	3	7.095	0.0419					4	Sha et al., 2007	
China - Yellow River tributary - Xinmang	2004 (June)	3	0.451	0.0083					4	Sha et al., 2007	
China - Yellow River tributary Mangjin	2004 (June)	3	0.183	0.0033					4	Sha et al., 2007	
China - Yellow River tributary - Wenyuan Channel	2004 (June)	3	2.158	0.0399					4	Sha et al., 2007	
China - Yangtze River, Wuhan Section; Zhuankou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Baishazhou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)						ND		4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Jinkou	2005 (Dec)	1	3.20	0.69					4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Zhuankou	2005 (Dec)	1	0.07	0					4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (Dec)	1	0.51	0.01					4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Yangliu	2005 (Dec)	1	0.84	0.06					4	Wang, F. et al., 2008	Low water period
Japan - surface water	1974						1	41	4	Japan MOE, 2003	Detected in 4 of 355 samples; det. limit of 0.05 to 0.5 ug/L
Japan - surface water	1982						<0.05	<0.5	4	Japan MOE, 2003	Not detected in any of 45 samples; det. limit of 0.05 to 0.5 ug/L
Japan - surface water	1996	33	0.1		<0.2		<0.2	<0.2	4	Japan MOE, 2003	Not detected in any of 33 samples
Japan, Tokyo - Tama River site #1 (upstream)	1999-2000	12	0.003				<0.006	<0.006	1	Suzuki, et al. 2001	Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #2	1999-2000	12	0.003				<0.006	<0.006	1	Suzuki, et al. 2001	Not detected in 12 monthly samples

Legend

 Data, changes or comments added in 2009

 Also used in drinking water summary

 Excluded from calculated summary

 Indicates average based on detection limit

Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassailable

Japan, Tokyo - Tama River site #3	1999-2000	12	0.003								1	Suzuki, et al. 2001		Not detected in 12 monthly samples
Japan, Tokyo - Tama River site #4 (downstream)	1999-2000	12	0.003								1	Suzuki, et al. 2001		Not detected in 12 monthly samples
Japan, Tokyo - Aki River	1999-2000	12	0.003								1	Suzuki, et al. 2001		Not detected in 12 monthly samples
Japan, Tokyo - Asa River	1999-2000	12	0.003								1	Suzuki, et al. 2001		Not detected in 12 monthly samples
China - Jingmi Canal	N/A		142	0.349								4	Cai et al., 2003	Elevated detection limit

Landfill Leachate		Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
Location	Date	N	Average	SD	Median	Low	High				
Europe											
Finland - leachate from 11 municipal landfills	1998-99		NA			<1	<1		2	Martinen et al., 2003a	
Japan/Asia											
China, Wuhan - leachate from 3 landfills	N/A	10	145.01		10.47	ND	521.11		4	Zhang and Wang, 2009	Det. in 6 of 10 samples; det. limit not reported
		10	145.01			ND	521.11				

Sediments		Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
Location	Date	N	Average	SD	Median	Low	High				
USA											
Various sites across country (488 sites; 20 river basins)	1992-95		NA		<0.050	<0.050	1.1		1	Lopes and Furlong, 2001	Dry wt.; detected in 13.3% of sites; 95%ile = 0.11; 90%ile = 0.070; 75%ile = <0.050
Europe											
Denmark, Roskilde Vig	1996-99	26	0.0089	0.0102					2	Vikelsee et al., 2001	Fjord sediment; 210 m from WWTP outlet; dry wt.
Denmark, Roskilde Vig - Station 2	1996-99	2	0.0099	0.0046					2	Vikelsee et al., 2001	Fjord sediment; 1883 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 2044	1996-99	2	0.0057	0.0018					2	Vikelsee et al., 2001	Fjord sediment; 3981 m from WWTP outlet; dry wt.
Denmark, Roskilde Bredning St 60	1996-99	2	0.0018	0.0007					2	Vikelsee et al., 2001	Fjord sediment; 6374 m from WWTP outlet; dry wt.
Denmark, Isefjord - Bramsnaes	1996-99	2	0.0011	0.0001					2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Isefjord - Tempelkrog	1996-99	2	0.0024	0.0002					2	Vikelsee et al., 2001	Fjord sediment; dry wt.
Denmark, Hove A upstream Lake Gundsomagle	1998-99	2	0.0036	0.0002					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 100 m west	1998-99	2	0.0027	0.0021					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, 200 m west	1998-99	2	0.0010	0.0014					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Lake Gundsomagle, south bank	1998-99	2	0.0015	0.0022					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Denmark, Hove A downstream Lake Gundsomagle	1998-99	6	0.0026	0.0016					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.
Germany	N/A	112	0.25		<0.5	<0.5	<0.5		4	Steffen and Lach, 2000	
Netherlands	1999				0.011	<0.00205	0.055		1	Vetmaak, et al. 2002	Detected in 13 of 21 samples; median calc. using detected values only
Netherlands - 8 locations in North Sea	2000 spring	8	0.11		<0.03	0.43			1	Klamer et al., 2005	Dry wt.; surface sediment (top 5 cm); < 63 um fraction
Spain, Gernika, Bay of Biscay - Urdabai estuary	2003 March					nd	nd		4	Bartolome et al., 2005	Not detected in any of 4 samples; det limit approx = 0.0005 mg/kg
		170	0.17			<0.00205	0.43				
Canada											
Sewage outfall in Fraser River						<0.015	0.094		4	EC & HC, 1993 and 1994b	Rogers & Hall, 1987
Grosse Ile in Detroit River	1982					0.09	0.26		4	EC & HC, 1993 and 1994b	Fallon & Horvath, 1985
B.C. - marine sediments	N/A				0.050	0.015	0.096		4	Mackintosh et al., 2002	Corrected for blanks; det. in all 17 samples
B.C. - False Creek Harbour, marine sediments	N/A	17	0.0506			0.0320	0.0800		4	Mackintosh et al., 2006	
B.C. - False Creek	1991	11	0.038						1	Garrett, 2000	Not det. in 11 samples; ave. calc. using 1/2 det. limits (vary by sample)
B.C. - Vancouver Harbour	1991	2	0.112	0.043		0.043	0.043		4	Garrett, 2000	Det. in 1 of 2 samples; ave. calc. using 1/2 det. limits (vary by sample)
B.C. - Fraser River, near wood preservers	1990	3	0.032	0.033		0.028	0.034		4	Garrett, 2000	
B.C. - Victoria Harbour and Esquamalt	1990	12	0.254	0.0815		0.032	0.900		4	Garrett, 2000	
		45	0.103			<0.015	0.900				
St. Clair River		1	15						4	EC & HC, 1993 and 1994b	EC/OME, 1986; unit error or highly impacted site
Japan/Asia											
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.078		0.020	ND	0.629		1	Zeng et al., 2008a	Top 10 cm; det. in 80% samples
China - Yellow River and tributaries (12 locations)	2004 (June)					ND			4	Sha et al., 2007	Not detected at 12 locations; detection limit not reported
China - Yangtze River, Wuhan Section; Left Zhuankou	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Baishazhou	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Wuhanguan	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Right Wuhanguan	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Left Yujiatou	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Right Yujiatou	2005 (July)					ND			4	Wang, F. et al., 2008	High water period; detection limit not reported
China - Yangtze River, Wuhan Section; Jinkou	2005 (Dec)	1	0.03	0	0.03				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Zhuankou	2005 (Dec)	1	0.01	0	0.01				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wuhanguan	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Yangluo	2005 (Dec)	1	0.06	0.01	0.06				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Jinsihu	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Dongjing River	2005 (Dec)	1	0.10	0.01	0.10				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Houguan Lake	2005 (Dec)	1	0.05	0.01	0.05				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Tangxun River	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Xunsi River	2005 (Dec)	1	1.19	0.04	1.19				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Qinduan River	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Changfeng Bridge	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Guociku	2005 (Dec)	1	0.01	0	0.01				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Jijiazui	2005 (Dec)	1	0.05	0.03	0.05				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; East Lake	2005 (Dec)	1	0.01	0.01	0.01				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Lijiadun	2005 (Dec)	1	0.14	0.03	0.14				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Fu River	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Zhujia River	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Hou Lake	2005 (Dec)	1	0.05	0.01	0.05				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Xiaowan	2005 (Dec)	1	0.12	0	0.12				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Wu Lake	2005 (Dec)					ND			4	Wang, F. et al., 2008	Low water period; detection limit not reported
China - Yangtze River, Wuhan Section; Qingshan Harbor	2005 (Dec)	1	0.01	0	0.01				4	Wang, F. et al., 2008	Low water period
China - Yangtze River, Wuhan Section; Daoshui River	2005 (Dec)	1	0.01	0.01	0.01				4	Wang, F. et al., 2008	Low water period
Japan - bottom sediment	1974					0.72	44		4	Japan MOE, 2003	Dry wt.; detected in 3 of 331 samples; det. limit of 0.00005 to 5 mg/kg
Japan - bottom sediment	1982					<0.002	<0.02		4	Japan MOE, 2003	Dry wt.; not detected in any of 45 samples; det. limit of 0.002 to 0.02 mg/kg
Japan - bottom sediment	1996				<0.13	0.25	1.41		4	Japan MOE, 2003	Dry wt.; detected in 3 of 33 samples; det. limit of 0.13 mg/kg
		29	0.10			<0.00005	44				

Other											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Greenland	2002						<0.0015	0.0025	3	Vorkamp et al., 2004	Not corrected for blanks; unclear if wet wt or dry wt basis
Suspended Particulate Matter											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Netherlands	1999		NA		0.09		<0.00205	0.74	1	Vethaak, et al. 2002	Detected in 37 of 51 samples; median calc. using detected values only
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	5	3.780				1.158	9.04	1	Mackintosh et al., 2006	
Japan/Asia											
China, Yellow River: Jiaogong, Zhengzhou, Kaifeng, Dongming, Yituo R.	2004 (June)		NA				ND		4	Sha et al., 2007	5 locations - not detected; detection limit not reported
Soil											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe/UK											
Denmark - Roskilde; uncultivated soil	1996	20	1.2		0.5		0.2	3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	4.2		2.0		0.5	14	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	1.2		1.0		0.4	2	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; cultivated using artificial fertilizer	1996	20	1.4		0.8		0.6	3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (medium arnts)	1996	20	1.4		0.7		<0.1	5	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (low arnts)	1996	20	0.6		0.6		0.3	1	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Germany, Stuttgart	N/A				82				4	UMEG, 1999 cited in Langenkamp and Part, 2001	108 samples; 90th percentile = 199 ug/kg
UK - brickearth, Hamble Series	N/A	1	11.5			11.5			4	Gibson et al., 2005	
UK - gault clay, Evesham Series	N/A	1	13.7			13.7			4	Gibson et al., 2005	
Denmark - Roskilde; sludge amended soil (high arnts)	1996	20	52		50		<0.1	82	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (high arnts) 2 y later	1998	24	58		55		8	110	1	Vikelsee et al., 1999	0 to 60 cm; divided into 6 depth intervals of 10 cm each
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	6.8		2		<0.1	28	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Japan/Asia											
China, Beijing - 30 locations in urban areas	N/A	30	31	45	12		ND	172	4	Li et al., 2006	Topsoil, 5-30 cm; geo. mean = 14 ug/kg; dry wt; DL not provided
China, Guangzhou - Panyu District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.84%; det. in 0% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 0% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	7		84		ND	84	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 8.3% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	9		36		ND	55	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 25% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 0% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	561	811	1510		ND	2313	1	Zeng et al., 2009	Top 5 cm; det. in 47.1% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	17	30	49		ND	84	1	Zeng et al., 2009	Top 5 cm; det. in 38.5% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	4	10	28		ND	28	1	Zeng et al., 2009	Top 5 cm; det. in 14.3% samples
		87	125				ND	2313			
Air											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
USA											
Fly ash in New Mexico		1	517000			517000			4	EC & HC, 1993 and 1994b	Harrison et al., 1985
Fly ash in New Mexico		1	751000			751000			4	EC & HC, 1993 and 1994b	Harrison et al., 1985
Europe											
Outdoor - vapour phase and total air											
France, Paris - total atmospheric conc.	May 2002-Apr 03	20	0.48	0.36			0	1.1	4	Teil et al., 2006	
France, Paris - vapour phase	May 2002-Apr 03	20	0.4		0.2		0	1.1	4	Teil et al., 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.001				<0.002	<0.002	1	Xie et al., 2006	Vapour; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	10	0.001				<0.002	<0.002	1	Xie et al., 2005	Vapour
		56	0.31				<0.002	1.1			
Outdoor - particulates											
France, Paris - particulate phase	May 2002-Apr 03	20	0.1		0.1		0	0.6	4	Teil et al., 2006	
Germany, Geesthacht - GKSS Research Centre	N/A	6	0.002				<0.002	0.013	1	Xie et al., 2006	Particulates; 5 m above ground
North Sea - German Bight	2004 (Feb-Mar)	10	0.001				<0.002	<0.002	1	Xie et al., 2006	Particulates
		36	0.06				<0.002	0.6			
Indoor											
Germany, Berlin - 59 apartments & 74 kindergartens	2000-01						<10	<10	4	Fromme et al., 2004	Not detected in any of 133 samples
Norway - 14 locations, measured on PM10 and PM2.5	2003						<0.04	0.2	1	Rakkestad et al., 2007	Det. in 8 of 24 samples (det. limit of 0.04 to 0.2 ng/m3)
			NA				<0.04	<10			
Japan/Asia											
Outdoor											
Japan	1996	18	6		<12		<12	<12	4	Japan MOE, 2003	Not detected in any of 18 samples
		18	6				<12	<12			Mean represents one half detection limit
Dust											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Outdoor											
France, Paris - particulates	May 2002-Apr 03	20	7200		2700		0	45800	4	Teil et al., 2006	
		20	7200				0	45800			
Indoor											
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	3300		2700		<100	15500	4	Greenpeace Belgium, 2004	23 individual and pooled samples; det. in 20 of 23 samples
Bulgaria, Sofia & Burgas- children's rooms (dust above floor level)	2004-2005	177	2.50E+05		3.0E+05		<2.0E+05	2.51E+06	4	Kolanik et al., 2008a and b	Det. in 80.8% samples; 95th%CI of geo mean = 2.0E+05 to 3.0E+05
		200	2.22E+05				<100	2.51E+06			
Deposition											
Location	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe											
Denmark, Roskilde, Lille Valby meteorological station	1996-97	15	13	20			<4	66	1	Vikelsee et al., 2001, 1998	
France, Paris - bulk deposition	May 2002-Apr 03	1	11.5						4	Teil et al., 2006	Wet dep = 3.7 ug/m2/y; calc. dry dep. = 7.8 ug/m2/y
		16	13				<4	66			

Precipitation		Concentration as ug/L				Single	Range		Data	Reference	Comments		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality				
Europe													
France, Paris - rainwater	May 2002-Apr 03	72	0.010						4	Trill et al., 2006			
Netherlands - rainwater	1999	2	0.75		0.041		0.038	0.25	1	Vethaak et al., 2002	Detected in 3 of 3 samples		
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	0.209	0.113	0.204		0.039	0.437	1	Peters, 2003	Detected in 100% of samples; MDL 0.010 ug/L		
		122	0.092				0.038	0.437					
Japan/Asia													
Japan - rain	1974		N/A				<0.5	12	4	Japan MOE, 2003	Detected in 1 of 105 samples; det. limit of 0.5 to 50 ug/L		
							<0.5	12					
Wastewater													
Location		Date	Concentration as ug/L				Single	Range		Data	Reference	Comments	
Location		Date	N	Average	SD	Median	Point	Low	High	Quality			
USA													
CA, Oakland - residential wastewater		2006	2	0.34				<0.14	0.6	3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from nail salon		2006	1	0.2			0.2			3	Jackson and Sutton, 2008		
CA, Oakland - industrial laundry wastewater		2006	2	0.75				<0.0036	1.5	3	Jackson and Sutton, 2008		
CA, Oakland - residential coin laundry wastewater		2006	1	13			13			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from diaper service		2006	1	0.08				<0.15		3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from pet wash		2006	1	1.6			1.6			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from veterinary clinic		2006	1	3.9			<7.7			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from hospital and medical clinic		2006	2	0.08				<0.15	<0.15	3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from pharmaceutical manufacturer		2006	1	0.08			<0.15			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from plastic bag manufacturer		2006	1	10			10			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from paper products manufacturer		2006	1	0.08			<0.15			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from beverage manufacturer		2006	1	1.5			<2.9			3	Jackson and Sutton, 2008		
CA, Oakland - wastewater from adhesives manufacturer		2006	1	8			<15			3	Jackson and Sutton, 2008		
CA, Oakland - pre-treated influent at WWTP		2006	2	2.5				<1.5	4.2	3	Jackson and Sutton, 2008		
CA, Oakland - treated effluent at WWTP		2006	3	0.18				<0.15	0.39	3	Jackson and Sutton, 2008		
Europe													
Denmark - Avedoere WWTP, influent		2002 (10-11)	3	0.10	0.08	<0.10		<0.10	0.19	4	Jacobsen et al., 2004	Grab samples	
Denmark - Avedoere WWTP, effluent		2002 (10-11)	3	0.05		<0.10		<0.10	<0.10	4	Jacobsen et al., 2004	Grab samples	
Denmark - Roskilde, car wash		1996-97	26	12	13			0.7	62	1	Vikelsee et al., 1998		
Denmark - Roskilde, hospital		1996	6	0.4				<0.6	2.5	1	Vikelsee et al., 1998		
Denmark - Roskilde, kindergarten		1996	1	310		310				1	Vikelsee et al., 1998		
Denmark - Roskilde, industrial laundry		1996	2	4.7				4.6	4.8	1	Vikelsee et al., 1998		
Denmark - Roskilde, WWTP inlet		1996	10	8.8				0.3	39	1	Vikelsee et al., 1998	Identified below limit of detection of 1 ug/L	
Denmark - Herlev, adhesives industry		1996						<60	280	1	Vikelsee et al., 1998		
Denmark - Roskilde WWTP - inlet		May-99	7	0.57	0.19	0.57		0.22	0.79	4	Fausser et al., 2001	Mean 0.11 ug/L in supernatant; 0.61 ug/L settled	
Denmark - Roskilde WWTP - outlet		May-99	7	0.013	0.014	0.01		nd	0.03	4	Fausser et al., 2001		
Finland, 4 STPs - influent		1998-2001						<1	2	2	Martinen et al., 2003a		
Finland, 4 STPs - effluent		1998-2001						<1	1	2	Martinen et al., 2003a		
France, Marne Aval - WWTP influent after pre-treatment (grit removal)		2006 (May)	7	0.10	0.16					1	Dargnat et al., 2009		
France, Marne Aval - WWTP final effluent		2006 (May)	7	0.01				<0.02	<0.02	<0.02	1	Dargnat et al., 2009	Removal: 79%
France, Marne Aval - WWTP final effluent, rainy conditions		2007 (March)	1	0.01				<0.02		1	Dargnat et al., 2009		
Netherlands - STP effluent		1999				0.013		<0.002	0.019	1	Vethaak et al., 2002	Detected in 4 of 9 samples; median is calc. for detected values only	
Norway, 5 WWTPs influent		2002	10	0.1				<0.2	<0.2	4	Vogelvang et al., 2006	7-10 d composite samples	
Norway, 5 WWTPs effluent		2002	10	0.1				<0.2	<0.2	4	Vogelvang et al., 2006	7-10 d composite samples	
Spain - outflow of wastewater treatment plant		N/A	1	3.4		3.4				1	Gimeno et al., 2003		
Spain, Galicia - influent from STP		N/A	1	0.008		<0.016				1	Polo et al., 2005		
Spain, Galicia - effluent from STP		N/A	1	0.008		<0.016				1	Polo et al., 2005		
Spain - wastewater from urban collector		N/A	1	0.270		0.270				1	Polo et al., 2005		
Spain, Granada - urban wastewater influent		N/A	6	0.065		<0.130		<0.130	<0.130	1	Ballesteros et al., 2006	Not detected in any of 6 samples	
Spain, Granada - urban wastewater influent		N/A	6	0.05	0.04	<0.041		<0.041	0.10	4	Zafra-Gomez et al., 2008	Detected in 2 of 6 samples	
Sweden-Goteborg - carwash effluent		1990-92						<1	100	4	Paxeus, 1996a		
Scotland - SEPA West Region - STW Effluent		1996	19	4.4		<3.9		<0.2	<63.2	4	Pirie et al., 1996	Not detected in any of 19 samples	
Scotland - SEPA East Region - STW Effluent		1996	17	34.4	123.5	<3.2		<3.2	513.2	4	Pirie et al., 1996	Detected in 4 of 17 samples	
			152	9.2				<0.002	513.2				
Canada													
Alberta - effluent from 7 WWTPs		Dec 02-Jun 03	8	0.014	0.012	0.010		0.0003	0.0311	1	Alberta Environment, 2005		
			8	0.014				0.0003	0.0311				
Japan/Asia													
China, Harbin municipal STP, raw sewage		2007 (May)	1	7.152		7.152				4	Kong et al., 2008		
China, Harbin municipal STP, primary sedimentation effluent		2007 (May)	1	6.446		6.446				4	Kong et al., 2008		
China, Harbin municipal STP, anaerobic tank effluent		2007 (May)	1	4.873		4.873				4	Kong et al., 2008		
China, Harbin municipal STP, aerobic tank effluent		2007 (May)	1	4.164		4.164				4	Kong et al., 2008		
China, Harbin municipal STP, secondary sedimentation effluent		2007 (May)	1	4.727		4.727				4	Kong et al., 2008		
China, Harbin municipal STP, coagulation tank effluent		2007 (May)	1	3.646		3.646				4	Kong et al., 2008		
China, Harbin municipal STP, air floatation tank effluent		2007 (May)	1	3.492		3.492				4	Kong et al., 2008		
China, Harbin municipal STP, filtration tank effluent		2007 (May)	1	2.953		2.953				4	Kong et al., 2008		
			8	4.68				2.953	7.152				
Sludge													
Location		Date	Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments	
Location		Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe													
Denmark - Roskilde WWTP - primary sludge		May-99	1	1000	80		1000			4	Fausser et al., 2001	Dry wt. basis	
Denmark - Roskilde WWTP - secondary sludge		May-99	1	50			50			4	Fausser et al., 2001	Dry wt. basis	
Finland, 4 STPs - prim., sec., digested sludge		1998-2001						<1000	4000	2	Martinen et al., 2003a	Dry wt.	
France, Toulouse - Ginstous treatment plant		N/A	1	2,610				2,230	2,850	4	Sablaryrolles et al., 2005	dry wt.	
France, Marne Aval - WWTP, centrifuged sludge		2006 (May)	10	1,900	440					1	Dargnat et al., 2009	dry wt.	
Switzerland - domestic		1999?	4	90		<180		<180	<180	2	Berset and Etter-Holzer, 2001	Not detected in 4 samples	
Switzerland - domestic, storm water, small amt. ind.		1999?	6	221		192		<180	629	2	Berset and Etter-Holzer, 2001	Detected in 3 of 6 samples	
Switzerland - domestic, storm water, lgr amt. ind.		1999?	2	295		295		235	354	2	Berset and Etter-Holzer, 2001	Detected in 2 samples	
UK - Ashford, mesophilic anaerobically dig. dewatered from WWTP		N/A	1	570			570			1	Gibson et al., 2005		
			26	981				50	4000				
Canada													
Hamilton and Winnipeg Sludge		80-85	7	13200				<10	63000	4	Webber and Lesage, 1989		
Canadian Sludge		93-94	72	4680				<10	8470	4	Webber and Nichols, 1995		
			79	5417				<10	63000				

Japan/Asia								
China, Beijing - Gaobeidian WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Activated sludge treatment; 50% domestic, 50% industrial sewage
China, Lanzhou - Qibei WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Xi'an - Beishijiao WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment
China, Wuxi - Lucun WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Activated sludge treatment
China, Guangzhou - Datansha WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 60% domestic, 40% ind. sewage
China, Foshan - Zhen'an WWTP	1998-99	1	1.300		1.300	4	Cai et al., 2007a	Anaerobic-aerobic oxidation treatment; 90% domestic, 10% ind. sewage
China, Zhuhai - Xiangzhou WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Oxidizing ditch treatment; 65% domestic, 35% industrial sewage
China, Shenzhen - Binhai WWTP	1998-99	1	6.600		6.600	4	Cai et al., 2007a	Oxidizing ditch treatment; 60% domestic, 40% industrial sewage
China, Dapu - Dapu WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Activated sludge treatment
China, Shatian - Shatian WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Activated sludge treatment
China, Yuanlang - Yuanlang WWTP	1998-99	1	0.29		<0.57	4	Cai et al., 2007a	Activated sludge treatment
		11	718		<0.57	6,600		
Other								
China - composted municipal sludge	N/A	1	<0.49		<0.49	4	Cai et al., 2007b	Manual-turned composting
China - composted municipal sludge	N/A	1	<0.49		<0.49	4	Cai et al., 2007b	Inoculate-manual-turned composting
China - composted municipal sludge	N/A	1	<0.49		<0.49	4	Cai et al., 2007b	Continuously aerated composting
China - composted municipal sludge	N/A	1	<0.49		<0.49	4	Cai et al., 2007b	Intermittently aerated composting

Drinking Water										
Location	Date	N	Concentration as ug/L		Median	Single Point	Range		Data Quality	Reference
			Average	SD			Low	High		
Europe										
Czech Republic, Prague - tap water	N/A	2	0.025				<0.05	<0.1	1	Prokupkova et al., 2002
Czech Republic, Prague - bottled mineral water	N/A	2	0.025				<0.05	<0.1	1	Prokupkova et al., 2002
Czech Republic, Prague - bottled spring water	N/A	2	0.025				<0.05	<0.1	1	Prokupkova et al., 2002
Denmark, Roskilde - tapwater in NERI lab	1996	1	0.005			<0.01			1	Vikelsee et al., 1998
Portugal, Lisbon - tap water	N/A	1	0.08			0.08			1	Serodio and Nogueira, 2006
Portugal, Lisbon - bottled mineral water	N/A	1	0.01			0.01			1	Serodio and Nogueira, 2006
Spain - bottled mineral water	N/A	1	0.008			<0.016			1	Polo et al., 2005
		10	0.025				<0.01	0.08		
Canada										
Lac St. Jean and Charlevoix, PQ	1992	22	0.5			<1			4	EC & HC, 1993 and 1994b
Alberta drinking water	87-98	1254	0.535			0.5	11		4	AENV, R. Tchir, 1999
Ottawa, ON - bottled water (polycarbonate bottle)	2007	1	0.002			<0.003			1	Cao, 2008
Halifax, NS - bottled water (glass or PETE bottles)	2006	10	0.002			<0.003	<0.003		1	Cao, 2008
		1287	0.53				<0.003	11		
Alberta Drinking water Urban (subset)	87-98	651	0.536			<1	11		4	AENV, R. Tchir, 1999
Alberta Drinking water Rural (subset)	87-98	629	0.534			<1	9		4	AENV, R. Tchir, 1999
Japan/Asia										
China - Beijing, tap water	N/A					<3.6			4	Cai et al., 2003

Food										
Type	Date	N	Concentration as ug/g		Median	Single Point	Range		Data Quality	Reference
			Average	SD			Low	High		
BEVERAGES										
Wine -10 varieties, Spain	N/A	10	0.00047	0.00105	<0.0002883		0.00345		2	Carillo et al., 2008
		10	0.00047				<0.0002883	0.00345		
							<0.0002883	0.00345		
										Det. in 1 of 10 wines; variety of containers/closures
FATS & OILS										
Olive oil, extra virgin - Italy	N/A	6	0.0023		<0.0046		<0.0046	<0.0046	2	Cavaliere et al., 2008
Olive oil, refined and virgin - Italy	N/A	6	0.0023		<0.0046		<0.0046	<0.0046	2	Cavaliere et al., 2008
Olive oil + pomace oil - Italy	N/A	4	0.0023		<0.0046		<0.0046	<0.0046	2	Cavaliere et al., 2008
		16	0.0023				<0.0046	<0.0046		Mean represents one half detection limit

FISH										
Location	Date	N	Concentration as ug/g		Median	Single Point	Range		Data Quality	Reference
			Average	SD			Low	High		
Fish - Japan	1974						<0.00005	<25	4	Japan MOE, 2003
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0011						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00007						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0018						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.0006						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada-Pacific Oysters	1999	9	0.0013						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Geoduck Clams	1999	9	0.0034						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Manila Clams	1999	9	0.0001						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Dungeness Crabs	1999	9	0.0013						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Purple Seastar	1999	9	0.0002			<0.00009			1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Juvenile Shiner Perch	1999	9	0.0001						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Pacific Herring	1999	9	0.0004						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - File Perch	1999	9	0.0004						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Striped Seaspehr	1999	9	0.00012						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Pacific Staghorn Sculpin	1999	9	0.0004						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - English Sole	1999	9	0.0004			<0.00009			1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Whitespotted Greenling	1999	9	0.0001						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Spiny Dogfish- muscle	1999	9	0.00043						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Spiny Dogfish- liver	1999	9	0.001						1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Spiny Dogfish- embryo	1999	9	0.00018			<0.00009			1	Mackintosh, et al. 2004
False Creek harbour, B.C., Canada - Surf Scoters	1999	9	0.00018			<0.00009			1	Mackintosh, et al. 2004
Fish, muscle - Netherlands	1999				0.0019		<0.00003	0.071	1	Vethaak, et al. 2002
Mussels, whole body - Netherlands	1999				0.0035		<0.00003	0.011	1	Vethaak, et al. 2002
Arctic Char - Austrian alps, Lake Schwarzsee ob Soelden (remote)	2002?	1	0.0032		0.0032				4	Krautter and Seidi, 2002
		154	0.0008				<0.00003	<25		
										Wet wt.; not detected in any of 292 samples; det. limit 0.00005 to 25 ug/g
										Wet wt; ave lipid content = 0.2%
										Wet wt; ave lipid content = 0.08%
										Wet wt; ave lipid content = 0.09%
										Wet wt; ave lipid content = 1.3%
										Wet wt; ave lipid content = 2.1%
										Wet wt; ave lipid content = 0.7%
										Wet wt; ave lipid content = 1.2%
										Wet wt; ave lipid content = 8%
										Wet wt; ave lipid content = 2.5%; not detected in any of 9 samples
										Wet wt; ave lipid content = 2.1%
										Wet wt; ave lipid content = 3.2%
										Wet wt; ave lipid content = 0.7%
										Wet wt; ave lipid content = 0.17%
										Wet wt; ave lipid content = 0.3%
										Wet wt; ave lipid content = 0.5%; not detected in any of 9 samples
										Wet wt; ave lipid content = 0.6%
										Wet wt; ave lipid content = 8.3%
										Wet wt; ave lipid content = 62%
										Wet wt; ave lipid content = 17%; not detected in any of 9 samples
										Wet wt; ave lipid content = 2.2%
										Detected in 19 of 37 samples; median calc. using detected values only
										Detected in 12 of 12 samples
										wet weight

MILK										
Location	Date	N	Concentration as ug/g		Median	Single Point	Range		Data Quality	Reference
			Average	SD			Low	High		
Milk - Canada ; collected at farm - hand milked	N/A						<0.0015	<0.0029	1	Feng et al., 2005
Milk - Canada; collected at farm - machine milked	N/A						<0.0015	<0.0029	1	Feng et al., 2005
Milk - South Korea; raw bovine milk	N/A	30	0.001				<0.002	<0.002	1	Kim et al., 2009
		30	0.001				<0.0015	<0.0029		
										Ave. fat = 3.56 %
										DEHP present in the PVC tubing; Ave. fat = 4.02%

TOTAL DIET SAMPLES										
Location	Date	N	Concentration as ug/g		Median	Single Point	Range		Data Quality	Reference
			Average	SD			Low	High		
Japan,Osaka - Set lunches from 10 restaurants	1999				0.00045		ND	0.002	1	Tsumura et al., 2001b
Japan,Osaka - Packed lunches from 10 stores	1999-2000						ND	0.0036	1	Tsumura et al., 2001b
										Detected in 6 of 10 samples
										Detected in 5 of 16 samples

Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.00005		<0.0001	<0.0001	<0.0001	<0.0001	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.0002		<0.0004	<0.0004	<0.0004	<0.0004	1	Tsumura et al., 2001a	Detection limit 0.0004 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.00017		<0.0002	<0.0002	0.0003	0.0003	1	Tsumura et al., 2001a	Detection limit 0.0002 ug/g
		63	0.00014			<0.0001	0.0036				
BREAST MILK											
Mother's milk - Canada, Kingston, Ontario	2003-2004	86	0.00090		<0.0018	<0.0018	<0.0018	<0.0018	1	Zhu et al., 2006	Detected in 0 of 86 samples
Sweden - 2 to 3 wks after delivery; age 23 to 39 y	2001	42	0.0011	0.0023	<0.00047	<0.00047	0.011	0.011	4	Hogberg et al., 2008	Detected in 10 of 42 samples; det. limit = 0.00047 ug/g; 75th perc = <0.00047 ug/g
		128	0.00097			<0.00047	0.011				

Consumer Products											
Location/Type	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Japan/Asia											
Concentration as ug/g											
China - bathing lotion	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - hair spray	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - perfume	N/A	2	0.05				<0.1	<0.1	4	Shen et al., 2007	
China - deodorant	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - shampoo	N/A	2	0.05			<0.1	<0.1	<0.1	4	Shen et al., 2007	
China - nail polish	N/A	1	0.05			<0.1			4	Shen et al., 2007	
China - cream	N/A	4	0.05			<0.1	<0.1	<0.1	4	Shen et al., 2007	
China - milk cleanser	N/A	2	0.05			<0.1	<0.1	<0.1	4	Shen et al., 2007	
China - shrinking solution	N/A	1	0.05			<0.1			4	Shen et al., 2007	
		15	0.05				<0.1	<0.1			Mean represents one half detection limit
Europe											
Concentration in % w/w											
Austria, Germany, Switzerland - PVC toys and childcare products	2007 (Jan-June)	1	38		38	<0.2			4	Biedermann-Brem et al., 2008	Det. In 1 of 252 samples; det. limit = 0.2%
		1	38			<0.2	38				

Miscellaneous											
Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments	
Concentration in ug/kg											
Plankton - Japan	1974					<10	<10000	4	Japan MOE, 2003	Not detected in any of 4 samples	
		NA				<10	<10000				

Wildlife											
Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments	
Concentration in ug/kg wet weight											
Greenland - Polar bear liver	1998-2002					2.5	45.0	3	Vorkamp et al., 2004	Not corrected for blanks	
Greenland - Minke whale liver	1998				6.7			3	Vorkamp et al., 2004	Not corrected for blanks	
Faroe Islands - Pilot whale liver	2001				2.5	15.0	3	Vorkamp et al., 2004	Not corrected for blanks		
Greenland, east - Ringed seal liver	2002				7.6	14.0	3	Vorkamp et al., 2004	Not corrected for blanks		
Greenland, west - Ringed seal liver	2002				5.2	5.7	3	Vorkamp et al., 2004	Not corrected for blanks		
Greenland, east - Shorthorn sculpin liver	2002				6.9	15.3	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 12.53 to 15.47%		
Greenland, west - Shorthorn sculpin liver	2002				2.5	2.5	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 10.43 to 12.27%		
Faroe Islands - Northern fulmar - fat tissue	1998-1999				2.5	40.4	3	Vorkamp et al., 2004	Not corrected for blanks; lipid = 56.9 to 69.31%		

Human Blood											
Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments	
Concentration in ug/mL											
India, Hyderabad - adult women (mean age 30.9 y)	2005	135	0.03	0.16				4	Reddy et al., 2006		
Sweden - women age 23 to 39 y; 3 to 4 wks after giving birth	2001	36	0.0015	0.0021	<0.0014	<0.0014	0.010	4	Hogberg et al., 2008	Detected in 7 of 36 samples; det. limit =0.0014 ug/mL; 75th perc = <0.0014	
		171	0.024			<0.0014	0.010				
India, Hyderabad - infertile adult women with Stage I endometriosis	2005	35	1.78	1.47				4	Reddy et al., 2006		
India, Hyderabad - infertile adult women with Stage II endometriosis	2005	26	2.55	1.97				4	Reddy et al., 2006		
India, Hyderabad - infertile adult women with Stage III endometriosis	2005	14	3.85	1.86				4	Reddy et al., 2006		
India, Hyderabad - infertile adult women with Stage IV endometriosis	2005	10	5.35	2.76				4	Reddy et al., 2006		

Di-iso-octyl Phthalate (DiOP)

Surface Water											
Location	Date	Concentration as ug/L			Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median	Low	High	Quality			
Europe											
France, Seine River - upstream of WWTP	N/A	1	9.1		9.1			4		Bruchet et al., 2002	
France, Seine River - downstream of WWTP	N/A	1	14.3		14.3			4		Bruchet et al., 2002	
		2	11.7			9.1	14.3				
Canada											
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0764		0.0764			1		Alberta Environment, 2005 C8-iso-mix	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.6881		0.6881			1		Alberta Environment, 2005 C8-iso-mix	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	2.0587		2.0587			1		Alberta Environment, 2005 C8-iso-mix	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.7622		0.7622			1		Alberta Environment, 2005 C8-iso-mix	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	1.7185		1.7185			1		Alberta Environment, 2005 C8-iso-mix	
B.C. - False Creek Harbour, sea water - total conc.	N/A	2	0.275			0.129	0.587	1		Mackintosh et al., 2006	Detected in 2 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	2	0.130			0.061	0.278	1		Mackintosh et al., 2006	Detected in 2 of 12 samples; average is for detected values
		9	0.679			0.061	2.0587				
Japan/Asia											
China, Taihu Lake - heavily industrialized area	2000	12	7.74			0.301	15.1	4		Wang, et al. 2003	Detected in 83% of samples
		12	7.74			0.301	15.1				

Sediments											
Location	Date	Concentration as ug/g dry weight			Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median	Low	High	Quality			
Canada											
B.C. - marine sediments	N/A				2.091	0.647	5.366	4		Mackintosh et al., 2002	Corrected for blanks; det. in 11 of 13 samples
B.C. - False Creek Harbour, marine sediments	N/A	12	2.100			<0.041	3.720	1		Mackintosh et al., 2006	
		12	2.100			<0.041	5.3662				
Japan/Asia											
China, Taihu Lake - heavily industrialized area	2000	12	1.16			0.72	1.59	4		Wang, et al. 2003	Detected in 17% of samples
China, Donghu Lake, Wuhan City, Hubei Province	2000				ND	ND	6.53	4		Wang, et al. 2002	Detected in 1 of 5 samples
		12	1.16			ND	6.53				

Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight			Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median	Low	High	Quality			
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	2	13.600			1.280	145.30	1		Mackintosh et al., 2006	
		2	13.60			1.280	145.30				

Air											
Location	Date	Concentration as ng/m ³			Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median	Low	High	Quality			
Central Europe/UK											
Austria, Mount Sonnblick Observatory (3 km elev.)	1996 (fall)	8	51.3		33			3		Grollert and Puxbaum, 2000	
Austria, Mount Sonnblick Observatory (3 km elev.)	1997 (spring)	4	30.1		28.7			3		Grollert and Puxbaum, 2000	

Dust											
Location	Date	Concentration as ug/kg dry weight			Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median	Low	High	Quality			
Indoor											
Belgium - dust from homes & offices (69 locations); 2 mm fr	2003	23	55,700		18,900	<1000	481,400	4		Greenpeace Belgium, 2004	23 individual and pooled samples; det. in 18 of 23 samples
		23	55,700			<1000	481,400				

Legend

- Data, changes or comments added in 2009
- Also used in drinking water summary
- Excluded from calculated summary
- Indicates average based on detection limit
- BOLD** Calculated category summary

Data Quality

- 1 - Reliable without restrictions
- 2 - Reliable with restrictions
- 3 - Not reliable
- 4 - Unassignable

Precipitation		Concentration as ug/L				Single	Range		Data		
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1996 (fall)	19	1.556		1.193				3	Grollert and Puxbaum, 2000	
Austria, Mount Sonnblick Observatory (3 km elev.) -snow	1997 (spring)	11	8.572		6.242				3	Grollert and Puxbaum, 2000	
Wastewater											
Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Central Europe/UK											
France, southeast of Paris, raw wastewater	N/A	1	46.4			46.4			4	Bruchet et al., 2002	
France, southeast of Paris, raw & recycled wastewater	N/A	1	102.2			102.2			4	Bruchet et al., 2002	
France, southeast of Paris, treated wastewater	N/A	1	16.3			16.3			4	Bruchet et al., 2002	
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	0.11	0.09					4	Oliver et al., 2005	
		26	6.4				0.11	102.2		Min. value is a reported mean	
Canada											
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	2.8550	2.169	2.857		0.1057	5.5088	1	Alberta Environment, 2005 C8-iso-mix	
		8	2.8550				0.1057	5.5088			
Sludge											
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
Europe											
UK - Petersfield, Hampshire; rural town sewage treatment w	2001-2002	32	140	120					4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges
		32	140								
Food											
Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
FISH											
False Creek harbour, B.C. ,Canada - Green Algae	1999	9	0.014						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C. ,Canada - Brown Algae	1999	9	0.0012						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C. ,Canada - Plankton	1999	9	0.026						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C. ,Canada -Blue Mussels	1999	9	0.033						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C. ,Canada-Pacific Oysters	1999	9	0.105						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C. ,Canada -Geoduck Clams	1999	9	0.079						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C. ,Canada -Manila Clams	1999	9	0.056						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C. ,Canada -Dungeness Crabs	1999	9	0.030						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C. ,Canada -Purple Seastar	1999	9	0.0053						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C. ,Canada -Juvenile Shiner Perch	1999	9	0.018						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C. ,Canada -Pacific Herring	1999	9	0.011						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%
False Creek harbour, B.C. ,Canada -Pile Perch	1999	9	0.017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C. ,Canada -Striped Seaperch	1999	9	0.004						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C. ,Canada -Pacific Staghorn Sculpin	1999	9	0.023						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C. ,Canada -English Sole	1999	9	0.021						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C. ,Canada -Whitespotted Greenling	1999	9	0.010						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C. ,Canada -Spiny Dogfish- muscle	1999	9	0.072						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C. ,Canada -Spiny Dogfish- liver	1999	9	0.187						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C. ,Canada -Spiny Dogfish- embryo	1999	9	0.0029						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C. ,Canada -Surf Scoters	1999	9	0.017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
		180	0.0367				0.00124	0.187			
TOTAL DIET SAMPLES											
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.002		<0.004		<0.004	<0.004	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.0025		<0.005		<0.005	<0.005	1	Tsumura et al., 2001a	Detection limit 0.0001 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.005		<0.01		<0.01	<0.01	1	Tsumura et al., 2001a	Detection limit 0.0002 ug/g
		63	0.0032				<0.004	<0.01		Mean represents one half detection limit	

Diocetyl Phthalate (DOP)

Surface Water		Concentration as ug/L				Single	Range	Data			Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe/UK												
Severn Trent Water, UK	1998	7	0.1				<0.2	<0.2	4	Fawell et al., 2001		
		7	0.1				<0.2	<0.2		Mean represents one half detection limit		
Other												
Nigeria, Obafemi Awolowo University; U/S sewage dis/2002-2003		8	1.23		<2.45		<2.45	<2.45	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	
Nigeria, Obafemi Awolowo University; D/S sewage dis/2002-2003		32	1.23		<2.45		<2.45	<2.45	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	
Landfill Leachate												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Sweden - landfill leachate	1995-96		NA				1	6	4	Paxeus, 1999a	3 landfills	
							1	6				
Other												
Brazil - Porto Alegre, Rio Grande do Sul - MSW	N/A	1	93300			93300			4	dos Santos Freitas et al., 2004		
		1	93300					93300				
Sediments												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Canada												
Vancouver, B.C. - False Creek Harbour	2001?		NA				1.4	2.4	4	Lin et al, 2003	16 samples; incl. DEHP	
							1.4	2.4				
Europe												
Netherlands	1999	36	1.874		0.413		<0.045	18.307	1	ALcontrol, 1999	Detected in 27 of 36 samples; incl. DEHP	
		36	1.874				<0.045	18.307				
Soil												
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Netherlands	1998?	31	71		55		<45	238	1	ALcontrol, 1999	Detected in 17 of 31 samples; incl. DEHP	
Scotland, Hartwood - control plots	1997-99	45	155				<50		1	Rhind et al., 2002		
Scotland, Hartwood - sewage sludge appl. to soil	1997-99	45	233				<50		1	Rhind et al., 2002		
		121	162				<45	238				
Wastewater												
Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Sweden - municipal wastewater influent	1996						0.4	21	4	Paxeus, 1999b	Six municipal WWTPs	
Sweden - municipal wastewater effluent	1996						<0.01	0.4	4	Paxeus, 1999b	Six municipal WWTPs	
Sweden - industrial wastewater	1990						<0.2	3	4	Paxeus and Avergard, 1992	8 large industries	
			NA				<0.01	21				
Other												
Nigeria, Obafemi Awolowo University; sewage lagoon 2002-2003		30	6,000		<2.45		<2.45	58,440	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	

Legend

Yellow Data, changes or comments added in 200

Cyan Also used in drinking water summary

Grey Excluded from calculated summary

Pink Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Sludge		Concentration as ug/kg dry weight				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Scotland, Hartwood - sewage sludge	1997-99	30	9.56E+04	6.50E+03			5.83E+04	2.09E+05	1	Rhind et al., 2002		
		30	9.56E+04				5.83E+04	2.09E+05				
Drinking Water												
Drinking Water		Concentration in ug/L				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Croatia - bottled mineral water; PET bottle	N/A	9	0.02				<0.04	<0.04	4	Bosnir et al., 2007	No preservative; pH = 5.82	
Sweden	1994-95						0.004	0.04	4	Bergstedt et al., 1999 cited in Paxeus, 139 samples		
		9	0.02				0.004	0.04		Mean represents one half detection limit		
Food												
Food		Concentration as ug/g				Single	Range		Data		Reference	Comments
Type	Date	N	Average	SD	Median	Point	Low	High	Quality			
BEVERAGES												
Soft drinks - Croatia; PET bottle	N/A	9	0.00002				<0.00004	<0.00004	4	Bosnir et al., 2007	Preserved with orthophosphoric acid; pH = 2.82	
Soft drinks - Croatia; PET bottle	N/A	14	0.00002				<0.00004	<0.00004	4	Bosnir et al., 2007	Preserved with sodium benzoate; pH = 2.75	
Soft drinks - Croatia; PET bottle	N/A	5	0.00002				<0.00004	<0.00004	4	Bosnir et al., 2007	Preserved with potassium sorbate; pH = 2.88	
Soft drinks - Croatia; PET bottle	N/A	8	0.00002				<0.00004	<0.00004	4	Bosnir et al., 2007	Preserved with sodium benzoate & potassium sorbate; pH = 2.82	
		36	0.00002				<0.00004	<0.00004		Mean represents one half detection limit		
EGGS												
Eggs	1993	2	0.6						2	MAFF Report #82, March, 1996	Total DOP; Prepared for consumption	
		2	0.6				NA	NA				
FISH												
Striped seaperch muscle - Vancouver, Canada	2001?						0.0011	0.0146	4	Lin et al, 2003	9 samples; wet weight ; incl. DEHP	
			NA				0.0011	0.0146				
FRUITS												
Apples - China	N/A						ND	5.58	3	Jiang et al., 2005	Det. limit not reported	
MEAT												
Carcass Meat	1993	2	0.7						2	MAFF Report #82, March, 1996	Total DOP; Prepared for consumption	
		2	0.7				NA	NA				
MILK												
Milk	1993	2	2.6						2	MAFF Report #82, March, 1996	Total DEHP plus other isomeric forms	
		2	2.6				NA	NA				
INFANT FORMULA - powder												
Casein Formula-1	1996	2	1.2			1.2			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Casein Formula-3	1996	2	0.96			0.96			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Casein Formula-4	1996	2	0.98			0.98			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Casein Formula-5	1996	2	0.54			0.54			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Soy Formula-2	1996	2	1.8			1.8			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Whey Formula-2	1996	2	0.54			0.54			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Whey Formula-3	1996	2	1.3			1.3			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Whey Formula-4	1996	2	2.1			2.1			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
Whey Formula-5	1996	2	1.2			1.2			2	MAFF Rpt-83, March, 1996	Total DEHP plus other isomeric forms	
		18	1.2				0.54	2.1				
Human Blood												
Human Blood		Concentration in ug/mL				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Puerto Rico, San Juan - girls 6 mos to 8 y with thalar	1994-1998						ND	0.438	4	Colon et al., 2005	Det. in 1 of 41 samples; det. limit not reported; unclear whether DnOP or DIOP	
Puerto Rico, San Juan - girls 6 mos to 10 y - control	1994-1998						ND	0.562	4	Colon et al., 2005	Det. in 1 of 35 samples; det. limit not reported; unclear whether DnOP or DIOP	
		0	NA				ND	0.562				

Di-n-nonyl Phthalate (DnNP)

Surface Water		Concentration as ug/L					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Denmark - Fjord water - Roskilde Vig	1998-99	9	0.0092	0.021					2	Vikelsee et al., 2001		
Denmark - Fjord water - Roskilde Bredning	1998-99	10	0.0015	0.0028					2	Vikelsee et al., 2001		
Denmark - Fjord water - Skuldelev	1998-99	3	0.0066	0.0075					2	Vikelsee et al., 2001		
Denmark - Fjord water - Frederikssund	1998-99	4	0.015	0.030					2	Vikelsee et al., 2001		
Denmark - Fjord water - Kulhuse	1998-99	4	0.0014	0.0009					2	Vikelsee et al., 2001		
Denmark - Hove A, 5 m upstream	1996	1	0.01			<-0.02			1	Vikelsee et al., 1998		
Denmark - Hove A near mouth	1996	1	0.022			0.022			1	Vikelsee et al., 1998		
Denmark - Hove A upstream Lake Gundsomagle	1998-99	4	0.0005	0.0010					2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Lake Gundsomagle	1998-99	5	0.008	0.016					2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Hove A downstream Lake Gundsomagle	1998-99	4	0.699	1.399					2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Maglemose A, 5 m upstream	1996	1	0.01			<-0.02			1	Vikelsee et al., 1998		
Denmark - Maglemose A near mouth	1996	1	0.068			0.068			1	Vikelsee et al., 1998		
Denmark - Maglemose A near mouth	1998-99	2	0.002				<-0.004		2	Vikelsee et al., 2001	Stream and lake water	
Denmark - Helligrenden near mouth	1998-99	4	0.002				<-0.004		2	Vikelsee et al., 2001	Stream and lake water	
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.002						2	Cincinelli, et al., 2001	Sub-surface water	
Italy - Tyrrhenian Sea at Quercianella	1999	3	0.003						2	Cincinelli, et al., 2001	Sea-surface microlayer	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.003						2	Cincinelli, et al., 2001	Sub-surface water	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.005						2	Cincinelli, et al., 2001	Sea-surface microlayer	
		65	0.049				0.0005	0.699		Min. and max. are referenced averages		
Canada												
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0038			0.0038			1	Alberta Environment, 2005		
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.020			0.020			1	Alberta Environment, 2005		
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0056			0.0056			1	Alberta Environment, 2005		
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0125			0.0125			1	Alberta Environment, 2005		
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0125			0.0125			1	Alberta Environment, 2005		
B.C. - False Creek Harbour, sea water - total conc.	N/A	4	0.0777				0.0375	0.161	1	Mackintosh et al., 2006	Detected in 4 of 12 samples; average is for detected values	
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	4	0.0314				0.0151	0.065	1	Mackintosh et al., 2006	Detected in 4 of 12 samples; average is for detected values	
		13	0.0378				0.0038	0.161				
Japan/Asia												
China, Guangzhou City - urban lakes, 15 locations	2005 (May)		N/A				ND	ND	1	Zeng et al., 2008a	Detection limit not reported	
China - Jingmi Canal	N/A						ND	ND	4	Cai et al., 2003	Elevated detection limit	
Sediments												
Sediments		Concentration as ug/g dry weight					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Canada												
B.C. - marine sediments	N/A				0.067		0.005	0.192	4	Mackintosh et al., 2002	Corrected for blanks; det. in all 17 samples	
B.C. - False Creek Harbour, marine sediments	N/A	17	0.0566				0.0242	0.131	1	Mackintosh et al., 2006		
		17	0.0566				0.005	0.192				
Europe												
Denmark, Roskilde Vig	1996-99	26	0.017	0.011					2	Vikelsee et al., 2001	Fjord sediment; 210 m from WWTP outlet; dry wt.	
Denmark, Roskilde Vig - Station 2	1996-99	2	0.025	0.019					2	Vikelsee et al., 2001	Fjord sediment; 1883 m from WWTP outlet; dry wt.	
Denmark, Roskilde Bredning SI 2044	1996-99	2	0.0081	0.0023					2	Vikelsee et al., 2001	Fjord sediment; 3981 m from WWTP outlet; dry wt.	
Denmark, Roskilde Bredning SI 60	1996-99	2	0.0017	0.0024					2	Vikelsee et al., 2001	Fjord sediment; 6374 m from WWTP outlet; dry wt.	
Denmark, Isefjord - Bramsnaes	1996-99	2	0.0006	0.0009					2	Vikelsee et al., 2001	Fjord sediment; dry wt.	
Denmark, Isefjord - Tempelkrog	1996-99	2	0.0024	0.0002					2	Vikelsee et al., 2001	Fjord sediment; dry wt.	
Denmark, Hove A upstream Lake Gundsomagle	1998-99	2	0.0070	0.0023					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.	
Denmark, Lake Gundsomagle, 100 m west	1998-99	2	0.0058	0.0043					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.	
Denmark, Lake Gundsomagle, 200 m west	1998-99	2	0.0042	0.0017					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.	
Denmark, Lake Gundsomagle, south bank	1998-99	2	0.0055					<-0.011	2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.	
Denmark, Hove A downstream Lake Gundsomagle	1998-99	6	0.0092	0.0062					2	Vikelsee et al., 2001	Stream and lake sediment; dry wt.	
		50	0.012				0.0017	0.025		Min. and max. are referenced averages		
Japan/Asia												
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	0.065		0.067		ND	0.10	1	Zeng et al., 2008a	Top 10 cm; det. in 27% samples	
		15	0.065				ND	0.10				
Suspended Particulate Matter												
Suspended Particulate Matter		Concentration as ug/g dry weight					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Canada												
B.C. - False Creek Harbour, marine sediments	N/A	4	18.060				6.340	51.45	1	Mackintosh et al., 2006		
		4	18.060				6.340	51.45				
Europe												
Italy - Tyrrhenian Sea at Quercianella	1999	3	64.6						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 3.9 mg/L	
Italy - Tyrrhenian Sea at Quercianella	1999	3	64.4						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 5.2 mg/L	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	34						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	96						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L	
		12	65				34	96		Min. and max. are referenced averages		

Legend

 Data, changes or comments added in 2009

 Also used in drinking water summary

 Excluded from calculated summary

 Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Soil		Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe/UK											
Denmark - Roskilde, uncultivated soil	1996	20	0.08		<0.1		<0.1	0.2	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde, ecologically cultivated for 40 y	1996	20	0.6		0.3		<0.1	1.6	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde, eco. cultivated for past 5 y (conventional prior)	1996	20	0.5		<0.1		<0.1	1.7	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde, cultivated using artificial fertilizer	1996	20	0.2		0.1		<0.1	0.3	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (medium amts)	1996	20	0.2		<0.1		<0.1	0.6	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (low amts)	1996	20	0.5		0.5		0.1	0.8	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
		120	0.35				<0.1	1.7			
Denmark - Roskilde; sludge amended soil (high amts)	1996	20	172		180		120	200	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Denmark - Roskilde; sludge amended soil (high amts) 2 y later	1998	24	179		185		84	290	1	Vikelsee et al., 1999	0 to 60 cm; divided into 6 depth intervals of 10 cm each
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	7		<0.1		<0.1	30	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each
Japan/Asia											
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	1		1		ND	4	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 10% samples
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 0% samples
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	1		1		ND	7	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 8.3% samples
China, Guangzhou - Liwan District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 0% samples
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)				ND		ND	ND	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 0% samples
China, Guangzhou City - urban soil, roadside	2005 (Dec)	17	1	3	6		ND	12	1	Zeng et al., 2009	Top 5 cm; det. in 17.7% samples
China, Guangzhou City - urban soil, residential areas	2005 (Dec)	13	7	10	15		ND	44	1	Zeng et al., 2009	Top 5 cm; det. in 30.8% samples
China, Guangzhou City - urban soil, parks	2005 (Dec)	7	8	20	55		ND	55	1	Zeng et al., 2009	Top 5 cm; det. in 14.3% samples
		59	3				ND	55			
Air											
Air		Concentration as ng/m3				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Japan/Asia											
Outdoor											
Japan - Ibaraki Prefecture	1991	1	50			<100			3	Watanabe, 2001	March; 1.5 m above ground surface
Japan - Ibaraki Prefecture	1991	8	50			<100	<100	<100	3	Watanabe, 2001	March; 150 m to 800 m above ground surface
Japan - Chiba Prefecture	1992	2	400				200	600	3	Watanabe, 2001	August; 1.5 m and 5 m above ground surface
Japan - Chiba Prefecture	1992	3	50			<100	<100	<100	3	Watanabe, 2001	August; 30 m to 100 m above ground surface
Deposition											
Deposition		Units of ug/m2/y				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Denmark, Roskilde, Lille Valby meteorological station	1996-97	15	2.6	6.9			<7	26	1	Vikelsee et al., 2001, 1998	
		15	2.6				<7	26			
Wastewater											
Wastewater		Concentration as ug/L				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Denmark - Roskilde, car wash	1996-97	26	10	14			<0.9	55	1	Vikelsee et al., 1998	
Denmark - Roskilde, hospital	1996	6	0.7				0.7	2.1	1	Vikelsee et al., 1998	Identified below limit of detection of 0.9 ug/L
Denmark - Roskilde, kindergarten	1996	1	280			280			1	Vikelsee et al., 1998	
Denmark - Roskilde, industrial laundry	1996	2	4.2				<0.9	8.3	1	Vikelsee et al., 1998	
Denmark - Roskilde, WWTP inlet	1996	10	2.1				<1	18	1	Vikelsee et al., 1998	
Denmark - Herlev, adhesives industry	1996	2					<80		1	Vikelsee et al., 1998	
Denmark - Roskilde WWTP - inlet	May-99	7	0.44	0.17	0.48		0.11	0.56	4	Fausser et al., 2001	Not detected in 2 samples tested
Denmark - Roskilde WWTP - outlet	May-99	7	0.013	0.015	0.01		nd	0.04	4	Fausser et al., 2001	Mean 0.05 ug/L in supernatant; 0.48 ug/L settled
		59	9.8				0.013	280		Min. is a referenced average	
Canada											
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.043	0.044	0.028		0.0032	0.130	1	Alberta Environment, 2005	
		8	0.043				0.0032	0.130			
Sludge											
Sludge		Concentration as ug/kg dry weight				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Denmark - Roskilde WWTP - primary sludge	May-99	1	950	110		950			4	Fausser et al., 2001	Dry wt. basis
Denmark - Roskilde WWTP - secondary sludge	May-99	1	50			50			4	Fausser et al., 2001	Dry wt. basis
Denmark - sewage sludge	N/A	14	380	600	125		40	2000	4	Vikelsee et al., 1999	dry wt.
Switzerland - domestic	1999?	4	178		<253		<253	332	2	Berset and Etter-Holzer, 2001	Detected in 1 of 4 samples
Switzerland - domestic, storm water, small amt. ind.	1999?	6	586		192		<253	1583	2	Berset and Etter-Holzer, 2001	Detected in 5 of 6 samples
Switzerland - domestic, storm water, lgr amt. ind.	1999?	2	563		563		464	661	2	Berset and Etter-Holzer, 2001	Detected in 2 samples
		28	417				40	2000			
Drinking Water											
Drinking Water		Concentration as ug/L				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Denmark, Roskilde - tapwater in NERI lab	1996	1	0.01			<0.02			1	Vikelsee et al., 1998	
		1	0.01				<0.02			Mean represents one half detection limit	
Japan/Asia											
China - Beijing, tap water	N/A					<4.3			4	Cai et al., 2003	Elevated detection limit

Food Type	Date	Concentration as ug/g			Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD		Low	High			
FISH										
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0018					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00011					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0019					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.0023					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada - Pacific Oysters	1999	9	0.0011					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Geoduck Clams	1999	9	0.0108					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada - Manila Clams	1999	9	0.0009					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada - Dungeness Crabs	1999	9	0.0030					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada - Purple Seastar	1999				-0.00010			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Juvenile Shiner Perch	1999	9	0.0003					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Pacific Herring	1999	9	0.00011					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%
False Creek harbour, B.C., Canada - Pile Perch	1999	9	0.0005					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada - Striped Seaperch	1999	9	0.00015					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada - Pacific Staghorn Sculpin	1999	9	0.0007					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada - English Sole	1999				-0.00010			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Whitespotted Greenling	1999	9	0.0002					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada - Spiny Dogfish- muscle	1999	9	0.00018					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C., Canada - Spiny Dogfish- liver	1999	9	0.0020					1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada - Spiny Dogfish- embryo	1999				-0.00010			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Surf Scoters	1999				-0.00010			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%; not detected in any of 9 samples
		144	0.0016							
					<0.00010	0.0108				

Di-iso-nonyl Phthalate (DiNP)

Surface Water											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Europe											
Severn Trent Water, UK	1998	7	0.13			<0.2	0.3	4	Fawell et al., 2001	Detected in 1 of 7 samples	
Denmark - Hove A, 5 m upstream	1996	1	0.05			<0.1		1	Vikelsøe et al., 1998		
Denmark - Hove A near mouth	1996	1	0.05			<0.1		1	Vikelsøe et al., 1998		
Denmark - Maglemøse A, 5 m upstream	1996	1	0.05			<0.1		1	Vikelsøe et al., 1998		
Denmark - Maglemøse A near mouth	1996	1	0.05			<0.1		1	Vikelsøe et al., 1998		
France - Seine estuary; 6 locations	1997	6	0.79		<0.5	<0.5	1.09	4	Elf Atochem, 1997 cited in ECB, 2003a	Detected in 2 of 6 samples	
		17	0.34			<0.1	1.09				
Canada											
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0183		0.0183			1	Alberta Environment, 2005	C9-iso-mix	
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.1768		0.1768			1	Alberta Environment, 2005	C9-iso-mix	
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0182		0.0182			1	Alberta Environment, 2005	C9-iso-mix	
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.066		0.066			1	Alberta Environment, 2005	C9-iso-mix	
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.2459		0.2459			1	Alberta Environment, 2005	C9-iso-mix	
B.C. - False Creek Harbour, sea water - total conc.	N/A	3	0.0909			0.0612	0.135	1	Mackintosh et al., 2006	Detected in 3 of 12 samples; average is for detected values	
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	3	0.0430			0.0289	0.0639	1	Mackintosh et al., 2006	Detected in 3 of 12 samples; average is for detected values	
		11	0.084			0.0182	0.2459				
Japan/Asia											
Japan - 4 rivers, 2 coastal locations	1994	14	2.5		<5	<5	<5	4	API, 1994 cited in ECB, 2003a		
Japan - surface water	1996	33	2		<4	<4	<4	4	Japan MOE, 2003	Not detected in any of 33 samples	
Japan - Lake Okutama	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Tama River, Hamura Intake	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Tama River, Hutago-bashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Tama River, Taishi-bashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Tokyo Bay A	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Tokyo Bay B	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Lake Biwa, Oni-ohashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Uji River, Kangetsu-bashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Yodo River, Hirakata-ohashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Yodo River, Denpo-ohashi	1999-2007	11	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Osaka Bay A	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Osaka Bay B	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
		175	1.2			<1	<5		Mean represents one half detection limit		
Other											
Nigeria, Obafemi Awolowo University; U/S sewage discharge	2002-2003	8	1.32		<2.64	<2.64	<2.64	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	
Nigeria, Obafemi Awolowo University; D/S sewage discharge	2002-2003	32	1.32		<2.64	<2.64	<2.64	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	
Ground Water											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Japan/Asia											
Japan - Akiuno City	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Setagaya-ku	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Sumida-ku	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Uji City	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Neyagawa	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
Japan - Osaka, Tennoji-ku	1999-2007	10	0.9			<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L	
		60	0.9			<1	<5		Mean represents one half detection limit		
Sediments											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Europe											
France - Seine estuary; 6 locations	1997	4	0.16		0.17	<0.1	0.25	4	Elf Atochem, 1997 cited in ECB, 2003a	Dry wt.; detected in 3 of 4 samples	
Germany - Rhine River; 4 sites	N/A					0.03	1.46	4	Malisch et al., 1981 cited ECB, 2003a	Dry wt	
Germany - Neckar River; 3 sites	N/A					0.43	1.05	4	Malisch et al., 1981 cited ECB, 2003a	Dry wt	
Netherlands	1999	36	1.322		0.162	<0.025	11.557	1	ALcontrol, 1999	Detected in 24 of 36 samples	
NL - Veenwoude	2000	1	0.36			<0.72		1	David and Sandra, 2001	Dry wt.; 13.87% dry mass	
NL - Heerde	2000	1	0.08			<0.16		1	David and Sandra, 2001	Dry wt.; 62.03% dry mass	
NL - Vught	2000	1	0.10			<0.20		1	David and Sandra, 2001	Dry wt.; 51.60% dry mass	
NL - Noordende	2000	1	0.10			<0.20		1	David and Sandra, 2001	Dry wt.; 50.73% dry mass	
NL - drainage channels near new or quiet roadways	1992-93						0.8	4	Slooff, 1993 cited in ECB, 2003a	Dry wt	
NL - drainage channel near old/busy roadway	1992-93				6.7			4	Slooff, 1993 cited in ECB, 2003a	Dry wt	
NL - near point source	N/A	11	0.05		<0.1	<0.1	<0.1	4	Slooff, 1993 cited in ECB, 2003a	Dry wt	
Sweden - 8 lakes, 10 locations in rivers	1994	54	0.005		<0.01	<0.01	<0.01	4	Parkman & Remberger, 1995 cited in ECB, 2003a	ND in 54 samples	
		109	0.46			<0.01	11.557				
Sweden - downstream of point sources	1994				150			4	Parkman & Remberger, 1995 cited in ECB, 2003a	Dry wt.	
Canada											
B.C., Vancouver - False Creek Harbour	2001?				0.589	0.116	1.005	4	Lin et al., 2003	Total of 16 samples from 4 locations	
B.C. - marine sediments	N/A					<0.0044	0.300	4	Mackintosh et al., 2002	Corrected for blanks; det. in 11 of 13 samples	
B.C. - False Creek Harbour, marine sediments	N/A	12	0.483			<0.09	<0.09	1	Mackintosh et al., 2006		
Ontario, Hamilton Harbour - near outflow of STP	1997	5	0.045		<0.09	<0.09	<0.09	1	McDowell and Metcalfe, 2001	Dry wt.; 5 locations ranging from 0 to 400 m from STP outflow	
		17	0.354			<0.0944	1.005				
Japan/Asia											
Japan - bottom sediment	1996	33	1.75		<3.5	<3.5	<3.5	4	Japan MOE, 2003	Dry wt.; not detected in any of 33 samples	
		33	1.75			<3.5	<3.5		Mean represents one half detection limit		
Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median	Low	High				
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	3	27.200			14.700	50.40	1	Mackintosh et al., 2006		
		3	27.20			14.700	50.40				

Legend

	Data, changes or comments added in 2009
	Also used in drinking water summary
	Excluded from calculated summary
	Indicates average based on detection limit
BOLD	Calculated category summary
Data Quality	
1 -	Reliable without restrictions
2 -	Reliable with restrictions
3 -	Not reliable
4 -	Unassignable

Soil		Date	Concentration as ug/kg dry weight			Single Point	Range		Data Quality	Reference	Comments
Location	N		Average	SD	Median		Low	High			
Europe											
Denmark - Roskilde; uncultivated soil	1996	20	8		6	3	17	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; ecologically cultivated for 40 y	1996	20	19		18	4	34	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; eco. cultivated for past 5 y (conventional prior)	1996	20	7		7	3	13	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; cultivated using artificial fertilizer	1996	20	17		8	4	35	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; sludge amended soil (medium armts)	1996	20	9		8	1	16	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; sludge amended soil (low armts)	1996	20	5		4	3	9	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Netherlands	1998?	34	12.5		<25	1	<25	1	ALcontrol, 1999	Not detected in any of 34 samples	
		154	11		11		35				
Denmark - Roskilde; sludge amended soil (high armts)	1996	20	148		130	93	220	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Denmark - Roskilde; sludge amended soil (high armts) 2 y later	1998	24	479		475	63	910	1	Vikelsee et al., 1999	0 to 60 cm; divided into 6 depth intervals of 10 cm each	
Denmark - Roskilde; meadow in runoff zone from sludge storage	1996	20	28		7	1	110	1	Vikelsee et al., 1999	0 to 50 cm; divided into 5 depth intervals of 10 cm each	
Air											
Location		Date	Concentration as ng/m3			Single Point	Range		Data Quality	Reference	Comments
Location	N		Average	SD	Median		Low	High			
Europe											
Outdoor											
Italy - near DBP processing plant	1999	2	25			<50	<50	1	RIC, 1999		
Italy - near DBP/DEHP processing plant	1999	2	25			<50	<50	1	RIC, 1999	100 m from production and exhaust	
Kortrijk-1 km upwind of incinerator	1998	1	10			<20		1	RIC, 1998		
Kortrijk-100m from Greenhouse	1998	1	10			<20		1	RIC, 1998; Tierpont, et al. 2000		
Kortrijk-10m from Greenhouse	1998	1	10			<20		1	RIC, 1998; Tierpont, et al. 2000		
Kortrijk-1m from Greenhouse	1998	1	10			<20		1	RIC, 1998; Tierpont, et al. 2000		
Kortrijk-300m downwind of incin	1998	1	10			<20		1	RIC, 1998		
Kortrijk-City Traffic	1998	1	10			<20		1	RIC, 1998		
Kortrijk-Highway Traffic	1998	1	10			<20		1	RIC, 1998		
Kortrijk-Outside Laboratory	1998	5	10			<20	<20	1	RIC, 1998		
Belgium - Rural area	1998?	3	10			<20	<20	1	Tierpont, et al. 2000		
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	10			<20	<20	1	David and Sandra, 2001	Total air (vapour + aerosol); winter	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	10			<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	10			<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	18			12	25	1	David and Sandra, 2001	Summer	
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	10			<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	5			<10	<10	1	David and Sandra, 2001	Summer	
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	10			<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	10			<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	10			<20	<20	1	David and Sandra, 2001	Winter	
		47	11			<10	25				
Italy - stack emission DBP processing plant	1999	1	25			<50		1	RIC, 1999		
Italy - stack emission DBP/DEHP processing plant	1999	1	1022990			1022990		1	RIC, 1999		
Italy - unfiltered emission DBP/DEHP processing plant	1999	2	3065665			2832670	3298660	1	RIC, 1999		
Kortrijk-PVC proc exhaust	1998	1	1121670			1121670		1	RIC, 1998		
Kortrijk-Incin Exhaust, filtered	1998	1	10			<20		1	RIC, 1998		
Kortrijk-Incin Exhaust, unfiltered	1998	1	10			<20		1	RIC, 1998		
Kortrijk-PVC proc prod unit	1998	1	10305			10305		1	RIC, 1998		
Indoor											
Kortrijk-Inside Laboratory	1998	5	10			<20	<20	1	RIC, 1998; Tierpont, et al. 2000		
Kortrijk-InsideGreenhouse	1998	1	10			<20		1	RIC, 1998; Tierpont, et al. 2000		
Kortrijk-Underground Parking	1998	5	10			7	<20	1	RIC, 1998	Average represents 1/2 detection limit	
Kortrijk-Underground Parking	1999	1	9			9		1	RIC, 1998	summer; parking not full	
Kortrijk-Underground Parking	1999	1	7			7		1	RIC, 1998	summer; full capacity	
Kortrijk-House w/15 year old PVC Floor	1998	1	10			<20		1	RIC, 1998		
Kortrijk-House w/5 year old PVC Floor	1998	1	10			<20		1	RIC, 1998		
Kortrijk - Sports Hall	1998	5	10				<20	1	RIC, 1998		
Kortrijk - Kindergarten	2000	2	20			13	26	1	RIC, 2000		
Kortrijk-Flooring shop	1998	1	10			<20		1	RIC, 1998		
Inside Car 1	1998	1	10			<20		1	RIC, 1998		
Inside Car 2-New	1998	1	10			<20		1	RIC, 1998		
Inside Car 2-Old	1998	1	10			<20		1	RIC, 1998		
		26	11				7			26	
Italy - Inside DBP processing plant	1999	1	25			<50		1	RIC, 1999	Average represents 1/2 detection limit	
Italy - Inside DBP/DEHP processing plant	1999	1	25			<50		1	RIC, 1999	Average represents 1/2 detection limit	
Japan/Asia											
Outdoor											
Japan - Industrial areas	1998 (Oct-Dec)	59	7		<12	<12	44	4	Japan MOE, 1999a	Detected in 2 of 59 samples	
Japan - Residential areas	1998 (Oct-Dec)	60	7		<12	<12	40	4	Japan MOE, 1999a	Detected in 1 of 60 samples	
Japan - Suburbs	1998 (Oct-Dec)	59	8		<12	<12	69	4	Japan MOE, 1999a	Detected in 2 of 59 samples	
Japan - Industrial areas	2000 spring	6	5.5		<11	<11	<11	4	Japan MOE, 2000a	Not detected in any of 6 samples	
Japan - Residential areas	2000 spring	6	5.5		<11	<11	<11	4	Japan MOE, 2000a	Not detected in any of 6 samples	
Japan - Suburbs	2000 spring	6	5.5		<11	<11	<11	4	Japan MOE, 2000a	Not detected in any of 6 samples	
Japan	1996	18	36		<72	<72	<72	4	Japan MOE, 2003	Not detected in any of 18 samples	
Japan	2001					<0.4	22	4	Japan MOE, 2003	Detected in 20 of 21 samples; det. limit of 0.4 ng/m3	
		214	10			<0.4	69				

Dust		Concentration as ug/kg dry weight						Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality			
Europe												
Belgium - House Dust	N/A	12	3.10E+04		26000		3000	1.01E+05	4	David et al., 2001		
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	7.60E+04			7.60E+04			1	RIC, 1998		
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	2.50E+04			2.50E+04			1	RIC, 1998		
Belgium, Kortrijk-Dust in Sports Arena indoor	1998	1	1.00E+04			1.00E+04			1	RIC, 1998		
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	8.00E+04			8.00E+04			1	RIC, 1998		
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	4.40E+04			4.40E+04			1	RIC, 1998		
Belgium, Kortrijk - Kindergarten floor	2000	1	5000			<10000			1	RIC, 2000		
Belgium, Kortrijk - Underground parking	1998	1	500			<1000			1	RIC, 1998		
Belgium, Kortrijk - Underground parking	1999	1	500			<1000			1	RIC, 1998		
Belgium - dust from homes & offices (89 locations); 2 mm fraction	2003	23	1.63E+05		1.03E+05		1.99E+04	1.56E+06	4	Greenpeace Belgium, 2004	23 individual and pooled samples; det. in all samples	
Denmark - house dust	2002	3	50		<100		<100	<100	4	Santillo, et al. 2003	Not detected in any of 3 samples	
Finland - house dust	2002	3	8.42E+04		4.30E+03		<100	2.48E+05	4	Santillo, et al. 2003	Detected in 2 of 3 samples	
France - house dust	2002	1	3.12E+05			3.12E+05			4	Santillo, et al. 2003		
Germany - Hamburg; house dust, 65 homes; 63 um fraction	N/A				7.20E+04				4	Kersten & Reich, 2003 cited in Wensing et al 2005		
Netherlands - House dust	2001	115	5.92E+04	1.06E+05	3.30E+04		<5000	1.02E+06	4	Greenpeace, 2001	95th percentile = 540,000	
Netherlands - School dust	2001	12	1.04E+05	9.84E+04	7.45E+04		<10000	3.31E+05	4	Greenpeace, 2001	90th percentile = 125,000; detected in 113 of 115 samples	
Netherlands - Office dust	2001	7	1.02E+05	7.38E+04	8.90E+04		1.70E+04	2.08E+05	4	Greenpeace, 2001	90th percentile = 217,000; detected in 11 of 12 samples	
Netherlands - Hospital, university, hotel dust	2001	3	1.05E+05	9.38E+04	6.60E+04		3.70E+04	2.12E+05	4	Greenpeace, 2001	90th percentile = 186,000	
Norway - House Dust- Oslo-Sedimented Dust	1992-93						ND	1.38E+05	2	Olje et al., 1997; cited in Gill et al., 2001		
Spain - house dust	2002	1	1.18E+05			1.18E+05			4	Santillo, et al. 2003		
Sweden - house dust	2002	2	8.00E+04		8.00E+04		7.11E+04	8.89E+04	4	Santillo, et al. 2003		
Sweden - house dust; children's bedrooms	Oct 2001-Apr 2002	346	6.39E+05		4.10E+04		<100	3.37E+05	1	Bornehag et al., 2004	Detected in 175 samples; geo. mean = 451,000	
U.K. - house dust	2002 (Oct-Nov)	29	4.85E+04		<100		<100	1.56E+06	4	Santillo, et al. 2003	Detected in 11 of 29 samples	
		565	4.19E+05				<100	1.56E+06				

Deposition		Units of ug/m2/ly						Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality			
Europe												
Denmark, Roskilde, Lille Valby meteorological station	1996-97	15	17	26			<40	109	1	Vikelsøe et al., 2001, 1998		
		15	17				<40	109				

Precipitation		Concentration as ug/L						Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality			
Europe												
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	4.214	7.108	2.399		<0.100	48.29	1	Peters, 2003	Detected in 98% of samples; MDL 0.100 ug/L	
		50	4.214				<0.100	48.29				

Wastewater		Concentration as ug/L						Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality			
Europe												
Belgium - Roesselare; WWTP influent	2001	16	21.49		19.07		7.00	59.89	4	ECPI, 2001		
Belgium - Roesselare; WWTP effluent	2001	16	1.94		1.44		0.44	4.72	4	ECPI, 2001		
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	4.95		1.98		<0.5	12.61	4	ECPI, 2002		
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.25		<0.5		<0.5	<0.5	4	ECPI, 2002		
Denmark - Avedøere WWTP, influent	2002 (10-11)	3	0.13	0.10	<0.20		<0.10	0.24	4	Jacobsen et al., 2004	Grab samples	
Denmark - Avedøere WWTP, effluent	2002 (10-11)	3	0.05		<0.10		<0.10	<0.10	4	Jacobsen et al., 2004	Grab samples	
Denmark - Roskilde, car wash	1996-97	28	269	191			<50	510	1	Vikelsøe et al., 1998		
Denmark - Roskilde, hospital	1996	6	25				<50		1	Vikelsøe et al., 1998		
Denmark - Roskilde, kindergarten	1996	2	25			<20000			1	Vikelsøe et al., 1998		
Denmark - Roskilde, industrial laundry	1996	2	25				<50		1	Vikelsøe et al., 1998		
Denmark - Herlev, adhesives industry	1996	2	25				7500	8400	1	Vikelsøe et al., 1998	Identified below limit of detection of 20000 ug/L	
UK - Petersfield, Hampshire - domestic STW raw sewage	2001-2002	23	0.10	0.10			<0.1	8400	4	Oliver et al., 2005		
		101	75				<0.1	8400				
Canada												
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.345	0.391	0.164		0.030	1.108	1	Alberta Environment, 2005	C9-iso-mix	
		8	0.345				0.030	1.108				
Other												
Nigeria, Obafemi Awolowo University; sewage lagoon	2002-2003	30	1,600		<2.64		<2.64	17,760	3	Ogunfowokan et al., 2006	Monthly samples for 8 months	

Sludge		Concentration as ug/kg dry weight						Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Single Point	Low	High	Quality			
Europe												
Belgium - Roesselare; WWTP	2001	6	9200		8600		5370	14460	4	ECPI, 2001	dry wt.	
Denmark - sewage sludge	N/A	14	4500	5700	2800		370	23000	4	Vikelsøe et al., 1999	dry wt.	
Germany - digested sludge from 5 STPs	N/A	5	9094				4760	13900	4	Kobli et al. 1997 cited in ECB, 2003a	dry wt.	
Germany - sewage sludge from STP	1987-1990	1	27000				11000	72000	4	Weisser, 1992 cited in ECB, 2003a	dry wt.	
Germany - aerobic pre-treatment - raw sludge	1987-1990						15000	18000	4	Weisser, 1992 cited in ECB, 2003a	dry wt.	
Germany - aerobic pre-treatment - treated sludge	1987-1990						15000	17000	4	Weisser, 1992 cited in ECB, 2003a	dry wt.	
Germany - anaerobic fermentation - raw sludge	1987-1990						31000	43000	4	Weisser, 1992 cited in ECB, 2003a	dry wt.	
Germany - anaerobic fermentation - treated sludge	1987-1990						49000	58000	4	Weisser, 1992 cited in ECB, 2003a	dry wt.	
NL: primary sludge; 2 municipal WWTPs in rural areas	1992-93						<1000	21000	4	Slooff, 1993 cited in ECB, 2003a	dry wt.	
NL: primary sludge; 2 municipal WWTPs in urban areas	1992-93						<2000	7800	4	Slooff, 1993 cited in ECB, 2003a	dry wt.	
UK - Petersfield, Hampshire; rural town sewage treatment works	2001-2002	32	70	70			370	72000	4	Oliver et al., 2005	Dry wt.; raw sludge - thickened primary sed. tank & humus tank sludges	
		58	3326				370	72000				
Belgium - Negenmanneke; WWTP, domestic	2002	3	1.47		1.75		<0.5	2.41	4	ECPI, 2002	Units are ug/L	

Drinking Water		Concentration in ug/L				Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Europe											
Denmark, Roskilde - tapwater in NERI lab	1996	1	0.05			<0.1			1	Viksebo et al., 1998	
		1	0.05				<0.1			Mean represents one half detection limit	
Japan/Asia											
Japan - 3 cities; groundwater and drinking water	1993-94	9	2.5				<5	<5	4	cited in ECB, 2003a	
Japan - Kagogawa tap water	1999-2007	10	0.9				<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L
Japan - Osaka, Nishiyodogawa-ku tap water	1999-2007	10	0.9				<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L
Japan - Yokohama, Sakae-ku tap water	1999-2007	10	0.9				<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L
Japan - Sumida-ku tap water	1999-2007	10	0.9				<1	<5	4	CERI, 2007	Det. limit 1 and 5 ug/L
		49	1.2				<1	<5		Mean represents one half detection limit	
Food		Concentration as ug/g				Single	Range		Data	Reference	Comments
Type	Date	N	Average	SD	Median	Point	Low	High	Quality		
BEVERAGES											
Sake - Japan	2000-2001	5	0.0015		<0.003		<0.003	<0.003	1	Tsumura et al., 2002	LOD=0.003
Wine - Japan	2000-2001	3	0.0015		<0.003		<0.003	<0.003	1	Tsumura et al., 2002	LOD=0.003
Beer - Japan	2000-2001	3	0.01		<0.02		<0.02	<0.02	1	Tsumura et al., 2002	LOD=0.02
		11	0.004				<0.003	<0.02		Mean represents one half detection limit	
DAIRY (excl. milk)											
Cheese - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06
Ice cream - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06
		6	0.03				<0.06	<0.06		Mean represents one half detection limit	
FATS & OILS											
Butter - Japan	2000-2001	3	0.1		<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2
Margarine - Japan	2000-2001	3	0.1		<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2
Fat spread - Japan	2000-2001	3	0.1		<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2
Vegetable oil - Japan	2000-2001	8	0.1		<0.2		<0.2	<0.2	1	Tsumura et al., 2002	LOD=0.2
		17	0.1				<0.2	<0.2		Mean represents one half detection limit	
FISH											
Bream and Roach - NL	1998	25	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL; 0.77 to 1.58% fat	2000	3	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Molluscs - NL	2000	3	0.007		<0.010		<0.010	0.012	1	David and Sandra, 2001	Wet wt
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0055						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.00061						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.0099						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.0342						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada - Pacific Oysters	1999	9	0.0105						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Geoduck Clams	1999	9	0.0359						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada - Manila Clams	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Dungeness Crabs	1999	9	0.0349						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada - Purple Seastar	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Juvenile Shiner Perch	1999	9	0.0124						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Pacific Herring	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Pike Perch	1999	9	0.0027						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada - Striped Seaperch	1999	9	0.00969						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada - Pacific Staghorn Sculpin	1999	9	0.0023						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada - English Sole	1999	9	0.0018						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C., Canada - Whitespotted Greenling	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Spiny Dogfish - muscle	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Spiny Dogfish - liver	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Spiny Dogfish - embryo	1999	9				<0.00104			1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Surf Scoters	1999	9	0.00565						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Fish paste (fried kamaboko) - Japan, Osaka	2000	2	0.58		0.64		0.56	0.6	1	Tsumura et al., 2001b	Prepared for consumption
Mussel	N/A	3	0.57				<0.5	0.810	4	Elf Atochem, 1997 cited in ECB, 2003a	Dry wt.; detected in 2 of 3 samples
		153	0.028				0.00061	0.81			
GRAIN											
Dry noodles - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06
Rice - Japan, Osaka	2000	1	0.12			0.12			1	Tsumura et al., 2001b	Prepared for consumption
Fried noodle - Japan, Osaka	2000	2	0.15				0.05	0.24	1	Tsumura et al., 2001b	Prepared for consumption
Spaghetti - Japan, Osaka	2000	2	0.56				0.43	0.68	1	Tsumura et al., 2001b	Prepared for consumption
		8	0.20				0.05	0.68			
MILK											
Milk - Japan	2000-2001	3	0.015		<0.03		<0.03	<0.03	1	Tsumura et al., 2002	LOD=0.03
Milk - direct from cows; Netherlands	1998	29	0.005		<0.01		<0.01	<0.01	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - direct from cows; Netherlands	2000	3	0.005		0.006		0.005	0.011	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
		35	0.006				0.005	<0.03		Mean represents one half detection limit	
NUTS/BEANS											
Peanut butter - Denmark	2004					99			3	Pedersen et al., 2008	Glass jars with PE containing gaskets; food withdrawn from market
OTHER FOODS											
Cookies - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06; 3 samples
Chocolate - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06; 3 samples
Sobly pastry - Japan	2000-2001	3	0.03		<0.06		<0.06	<0.06	1	Tsumura et al., 2002	LOD=0.06; 3 samples
Hamburger set - Japan	2000-2001	3	0.003		<0.006		<0.006	<0.006	1	Tsumura et al., 2002	LOD=0.006; 3 samples
Gyu-don (boiled rice with spiced beef & onion) - Japan	2000-2001	3	0.005		<0.01		<0.01	<0.01	1	Tsumura et al., 2002	LOD=0.01; 3 samples
Pizza - Japan	2000-2001	3	0.005		<0.01		<0.01	<0.01	1	Tsumura et al., 2002	LOD=0.01; 3 samples
Retort-pouched food - Japan	2000-2001	11	0.003		<0.006		<0.006	<0.006	1	Tsumura et al., 2002	LOD=0.006; 11 samples
		29	0.012				<0.006	NA		Mean represents one half detection limit	
Garlic, cheese, olives in oil	N/A	6	87	53	103		15	150	3	Fankhauser-Noi and Grob, 2006	Migration from gasket of lid into food

POULTRY

Chicken (fried) -Japan, Osaka	2000	2	0.63		0.46	0.79	1	Tsumura et al., 2001b	Prepared for consumption
		2	0.63		0.46	0.79			

PROCESSED MEAT

Minced meat (Shumai) -Japan, Osaka	2000	2	0.19		0.13	0.24	1	Tsumura et al., 2001b	Prepared for consumption
		2	0.19		0.13	0.24			

VEGETABLES

Potato (croquette) -Japan, Osaka	2000	2	0.34		0.25	0.42	1	Tsumura et al., 2001b	Prepared for consumption
Radish, boiled dry -Japan, Osaka	2000	1	0.10	0.10			1	Tsumura et al., 2001b	Prepared for consumption
Radish, salted -Japan, Osaka	2000	1	0.06	0.06			1	Tsumura et al., 2001b	Prepared for consumption
		4	0.21		0.06	0.42			

TOTAL DIET SAMPLES

Germany, Munich and area - composite diet (solid and liquid)	2005 (April-Oct)			<0.10	<0.10		4	Fromme et al., 2007b	Detected in 4 of 350 samples (1%); det. limit 0.10 to 0.15 ug/g fresh wt.
Japan, Osaka - Set lunches from 10 restaurants	1999				ND	0.087	1	Tsumura et al., 2001b	Detected in 1 of 10 samples
Japan, Osaka - Packed lunches from 10 stores	1999-2000			0.052	ND	1.819	1	Tsumura et al., 2001b	Detected in 9 of 16 samples
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	1999	21	0.0925	0.029	<0.004	0.626	1	Tsumura et al., 2001a	Detection limit 0.004 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	1999	21	0.0893	<0.006	<0.006	<0.006	1	Tsumura et al., 2001a	Detection limit 0.006 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	1999	21	0.0968	<0.010	<0.010	0.025	1	Tsumura et al., 2001a	Detection limit 0.010 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab A	2001	21	0.002	<0.004	<0.004	<0.004	1	Tsumura et al., 2003	Detection limit 0.004 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab B	2001	21	0.002	<0.005	<0.005	0.024	1	Tsumura et al., 2003	Detection limit 0.005 ug/g
Japan- Osaka, Aichi, & Niigata - 21 hospital meals, Lab C	2001	21	0.003	<0.006	<0.006	<0.006	1	Tsumura et al., 2003	Detection limit 0.006 ug/g
		126	0.018		<0.004	1.819			

INFANT FORMULA - powder

Infant Formula-U.K.	1998	98	0.05	<0.1	<0.1	<0.1	1	MAFF 1996 & 1998 cited ECB, 2003a	
Infant formula - Japan	2000-2001	6	0.01	<0.02	<0.02	<0.02	1	Tsumura et al., 2002	LOD=0.02; 6 samples
		104	0.05		<0.02	<0.1		Mean represents one half detection limit	

BABY FOOD

Retort-pouched baby food - Japan	2000-2001			<0.006	<0.006	0.064	1	Tsumura et al., 2002	LOD=0.006; 13 samples
Baby snack - Japan	2000-2001			0.17	<0.006	1.83	1	Tsumura et al., 2002	5 samples
			NA		<0.006	1.83			

Consumer Products

Location/Type	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Concentration in % w/w											
Europe											
Austria, Germany, Switzerland - PVC toys and childcare products	2007 (Jan-June)	25	26				0.7	41	4	Biedermann-Brem et al., 2008	Det. in 25 of 252 samples; conc. are for detected samples only
		25	26				0.7	41			

Vegetation

	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Concentration in ug/kg wet weight											
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	77		<100		<100	528	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	50				<100	<100	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
		55	76				<100	528			
Algae	N/A	1	50			<100			4	Elf Atochem, 1997 cited in ECB, 2003a	Dry wt.

Human Blood

	Date	N	Average	SD	Median	Single Point	Range Low	High	Data Quality	Reference	Comments
Concentration in ug/mL											
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.023	0.026	<0.020		<0.020	0.14	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 17 of 45 samples; 90th perc = 0.047
		45	0.023				<0.020	0.14			

Di-n-decyl Phthalate (DnDP)

Surface Water		Concentration as ug/L				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.0005		<0.001				2	Cincinelli, et al., 2001	Sub-surface water	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.0005		<0.001				2	Cincinelli, et al., 2001	Sea-surface microlayer	
		6	0.0005				NA	NA			Mean represents one half detection limit	

Suspended Particulate Matter		Concentration as ug/g dry weight				Single	Range		Data		Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	7						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	11						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L	
		6	9.0				7	11			Min. and max. are referenced averages	

Legend	
	Data, changes or comments added in 2009
	Also used in drinking water summary
	Excluded from calculated summary
	Indicates average based on detection limit
BOLD	Calculated category summary
Data Quality	
1 -	Reliable without restrictions
2 -	Reliable with restrictions
3 -	Not reliable
4 -	Unassignable

Di-iso-decyl Phthalate (DIDP)

Surface Water											
Location	Date	Concentration as ug/L				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Severn Trent Water, UK	1998	7	0.19				<0.2	0.4	4	Fawell et al., 2001	Detected in 3 of 7 samples
France - Seine estuary; 6 locations	1997	6	0.5		<0.5		<0.5	1.08	4	Elf Atochem, 1997 cited in ECB, 2003b	Detected in 2 of 6 samples
		13	0.33				<0.2	1.08			
Canada											
Alberta - N. Sask. River - downstream of WWTP effluent	2002 (Dec)	1	0.0419			0.0419			1	Alberta Environment, 2005	C10-iso-mix
Alberta - Bow River - downstream of WWTP effluent	2003 (Jan)	1	0.1284			0.1284			1	Alberta Environment, 2005	C10-iso-mix
Alberta - Oldman River - downstream of WWTP effluent	2003 (Jan)	1	0.0269			0.0269			1	Alberta Environment, 2005	C10-iso-mix
Alberta - S. Sask. River - upstream of Medicine Hat	2003 (Jan)	1	0.0431			0.0431			1	Alberta Environment, 2005	C10-iso-mix
Alberta - Red Deer River - downstream of WWTP effluent	2003 (Jan)	1	0.0331			0.0331			1	Alberta Environment, 2005	C10-iso-mix
B.C. - False Creek Harbour, sea water - total conc.	N/A	9	0.0767				0.0453	0.129	1	Mackintosh et al., 2006	Detected in 9 of 12 samples; average is for detected values
B.C. - False Creek Harbour, sea water - freely dissolved	N/A	9	0.0260				0.0153	0.0437	1	Mackintosh et al., 2006	Detected in 9 of 12 samples; average is for detected values
		23	0.052				0.0153	0.129			
Japan/Asia											
Japan - surface water	1974		NA				<0.05	<10	4	Japan MOE, 2003	Not detected in any of 250 samples
							<0.05	<10			
China - Jingmi Canal	N/A						<5.8		4	Cai et al., 2003	Elevated detection limit
Sediments											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
France - Seine estuary; 6 locations	1997	6	0.0975				<0.1	0.19	4	Elf Atochem, 1997 cited in ECB, 2003b	Dry wt; detected in 3 of 6 samples
Germany - sediment in industrial harbour	N/A	1	14			14			4	Alberti et al., 2000 cited in ECB, 2003b	Dry wt.
Netherlands	1999	36	2.875		<0.015		<0.015	42.28	1	ALcontrol, 1999	Detected in 12 of 36 samples
NL: Veenoude	2000	1	0.36			<0.72			1	David and Sandra, 2001	Dry wt; 13.87% dry mass
NL: Heerde	2000	1	0.08			<0.16			1	David and Sandra, 2001	Dry wt; 62.03% dry mass
NL: Vught	2000	1	0.10			<0.20			1	David and Sandra, 2001	Dry wt; 51.60% dry mass
NL: Noordeinde	2000	1	0.10			<0.20			1	David and Sandra, 2001	Dry wt; 50.73% dry mass
Sweden - 8 lakes and 10 river locations	1994	54	0.005				<0.01	<0.01	4	Remberger, 2000 cited in ECB, 2003b	Dry wt.
Sweden - downstream of 2 point source discharges	1994	2	0.013				<0.01	0.02	4	Remberger, 2000 cited in ECB, 2003b	Dry wt.
		103	1.16				<0.01	42.28			
Germany - sediment in rain retention basins from motorways	N/A	2	900				650	1150	4	Alberti et al., 2000 cited in ECB, 2003b	Dry wt.
Canada											
Vancouver, B.C. - False Creek Harbour	2001?						0.22	0.40	4	Lin et al, 2003	Total of 16 samples from 4 locations
B.C. - marine sediments	N/A				0.438		0.165	0.764	4	Mackintosh et al., 2002	Corrected for blanks; det. in 11 of 13 samples
B.C. - False Creek Harbour, marine sediments	N/A	12	0.385				<0.0046	0.589	1	Mackintosh et al., 2006	
		12	0.385				<0.0046	0.764			
Japan/Asia											
Japan - bottom sediment	1974		NA				<0.00006	<3.1	4	Japan MOE, 2003	Dry wt.; not detected in any of 227 samples
							<0.00006	<3.1			
Suspended Particulate Matter											
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data Quality	Reference	Comments
		N	Average	SD	Median		Low	High			
Europe											
Germany - Rhine and Wupper Rivers	N/A	3	8.4		9.2		6	10	4	Alberti et al., 2000 cited ECB, 2003b	Suspended particulate matter, dry weight
		3	8.4				6	10			
Canada											
B.C. - False Creek Harbour, marine sediments	N/A	9	43.200				23.300	79.90	1	Mackintosh et al., 2006	
		9	43.20				23.30	79.90			

Legend

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- BOLD** Calculated category summary

Data Quality

- 1 - Reliable without restrictions
- 2 - Reliable with restrictions
- 3 - Not reliable
- 4 - Unassignable

Soil		Concentration as ug/kg dry weight				Single	Data					
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Netherlands	1998?	34	7.5		<15		<15	<15	1	ALcontrol, 1999	Not detected in any of 34 samples	
		34	7.5				<15	<15		Mean represents one half detection limit		
Air												
Air		Concentration as ng/m3				Single	Range		Data			
Location	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments	
Europe												
Outdoor												
Italy - near DBP processing plant	1999	2	25				<50	<50	1	RIC, 1999		
Italy - near DBP/DEHP processing plant	1999	2	25				<50	<50	1	RIC, 1999	100 m from production and exhaust	
Kortrijk-100m from Greenhouse	1998	1	10			<20			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-10m from Greenhouse	1998	1	10			<20			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-1m from Greenhouse	1998	1	10			<20			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-City Traffic	1998	1	10			<20			1	RIC, 1998		
Kortrijk-Highway Traffic	1998	1	10			<20			1	RIC, 1998		
Kortrijk-Outside Laboratory	1998	5	10				<20	<20	1	RIC, 1998		
Belgium - Rural area	1998?	3	10				<20	<20	1	Tienpont, et al. 2000		
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	10				<20	<20	1	David and Sandra, 2001	Total air (vapour + aerosol); winter	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2000	2	10				<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Gilze-Rijen (Breda); 2 km from highway	2001	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2000	2	10				<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Pernis (Rotterdam); 5 km from chemical industry	2001	2	22				19	25	1	David and Sandra, 2001	Summer	
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Speulderveld (north of Utrecht); remote area	2000	2	10				<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Speulderveld (north of Utrecht); remote area	2001	2	5				<10	<10	1	David and Sandra, 2001	Summer	
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	10				<20	<20	1	David and Sandra, 2001	Winter	
Netherlands - Vianen (Utrecht); 100 m from highway	2000	2	10				<20	<20	1	David and Sandra, 2001	Summer	
Netherlands - Vianen (Utrecht); 100 m from highway	2001	2	10				<20	<20	1	David and Sandra, 2001	Winter	
		45	12				<10	25				
Italy - stack emission DBP processing plant	1999	1	25			<50			1	RIC, 1999		
Italy - stack emission DBP/DEHP processing plant	1999	1	1022990			1022990			1	RIC, 1999		
Italy - unfiltered emission DBP/DEHP processing plant	1999	2	3065665				2832670	3298660	1	RIC, 1999		
Italy - near DBP/DEHP processing plant	1999	2	25				<50	<50	1	RIC, 1999	100 m from production and exhaust	
Indoor												
Kortrijk-Inside Laboratory	1998	5	10				<20	<20	1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-InsideGreenhouse	1998	1	10			<20			1	RIC, 1998; Tienpont, et al. 2000		
Kortrijk-Underground Parking	1998	5	10				<5	<20	1	RIC, 1998	Average represents 1/2 detection limit	
Kortrijk-Underground Parking	1999	1	2.5			<5			1	RIC, 1998	summer; parking not full	
Kortrijk-Underground Parking	1999	1	2.5			<5			1	RIC, 1998	summer; full capacity	
Kortrijk-House w/15 year old PVC Floor	1998	1	10			<20			1	RIC, 1998		
Kortrijk-House w/5 year old PVC Floor	1998	1	10			<20			1	RIC, 1998		
Kortrijk - Sports Hall	1998	5	10				<20	<20	1	RIC, 1998		
Kortrijk - Kindergarten	2000	2	11				7	15	1	RIC, 2000		
Kortrijk-Flooring shop	1998	1	10			<20			1	RIC, 1998		
Inside Car 1	1998	1	10			<20			1	RIC, 1998		
Inside Car 2-New	1998	1	10			<20			1	RIC, 1998		
Inside Car 2-Old	1998	1	10			<20			1	RIC, 1998		
		26	10				<5	15				
Italy - Inside DBP processing plant	1999	1	25			<50			1	RIC, 1999		
Italy - Inside DBP/DEHP processing plant	1999	1	25			<50			1	RIC, 1999		
Japan/Asia												
Outdoor												
Japan	2001		NA				<0.3	1.3	4	Japan MOE, 2003	Detected in 12 of 21 samples; det. limit of 0.3 ng/m3	
							<0.3	1.3				

Dust		Concentration as ug/Kg dry weight					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Belgium - House Dust	N/A	12	3.40E+04		1.90E+04		3000	1.16E+05	4	David et al., 2001		
Belgium, Kortrijk-Dust in flooring shop-1	1998	1	3.10E+04			3.10E+04			1	RIC, 1998		
Belgium, Kortrijk-Dust in flooring shop-2	1998	1	2.20E+04			2.20E+04			1	RIC, 1998		
Belgium, Kortrijk-Dust in Sports Arena indoor	1998	1	1.10E+04			1.10E+04			1	RIC, 1998		
Belgium, Kortrijk-House Dust/15yr old PVC floor	1998	1	6.00E+04			6.00E+04			1	RIC, 1998		
Belgium, Kortrijk-House Dust/5yr old PVC floor	1998	1	3.80E+04			3.80E+04			1	RIC, 1998		
Belgium, Kortrijk - Kindergarten floor	2000	1	5000			<10000			1	RIC, 2000		
Belgium, Kortrijk - Underground parking	1998	1	500			<1000			1	RIC, 1998		
Belgium, Kortrijk - Underground parking	1999	1	500			<1000			1	RIC, 1998		
Belgium - dust from homes & offices (69 locations); 2 mm fraction	2003	23	6.60E+04		6.12E+04		1.26E+04	1.72E+05	4	Greenpeace Belgium, 2004	23 individual and pooled samples; det. in all samples	
Denmark - house dust	2002	3	50		<100		<100	<100	4	Santillo, et al. 2003	Not detected in any of 3 samples	
Finland - house dust	2002	3	2.25E+04		<100		<100	6.74E+04	4	Santillo, et al. 2003	Detected in 1 of 3 samples	
France - house dust	2002	1	50			<100			4	Santillo, et al. 2003		
Netherlands - House dust	2001	115	5.34E+04	1.16E+05	2.30E+04		<5000	7.83E+05	4	Greenpeace, 2001	90th percentile = 101,000; detected in 107 of 115 samples	
Netherlands - School dust	2001	12	4.63E+04	3.26E+04	3.55E+04		<10000	1.30E+05	4	Greenpeace, 2001	90th percentile = 68,000; detected in 11 of 12 samples	
Netherlands - Office dust	2001	7	1.66E+05	1.44E+05	1.15E+05		2.80E+04	3.84E+05	4	Greenpeace, 2001	90th percentile = 362,000	
Netherlands - Hospital, university, hotel dust	2001	3	1.34E+05	6.99E+04	1.59E+05		5.50E+04	1.88E+05	4	Greenpeace, 2001	90th percentile = 182,000	
Spain - house dust	2002	1	50			<100			4	Santillo, et al. 2003		
Sweden - house dust	2002	2	50		<100		<100	<100	4	Santillo, et al. 2003		
U.K. - house dust	2002 (Oct-Nov)	29	2.08E+04		<100		<100	1.57E+05	4	Santillo, et al. 2003	Detected in 11 of 29 samples	
		219	5.04E+04				<100	7.83E+05				

Precipitation		Concentration as ug/L					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
NL (47), Germany (2), Belgium (1); wet and dry deposition	2003 (Feb-Apr)	50	2.22		<0.100		<0.100	98.43	1	Peters, 2003	Det. in 6% of samples; median of meas. conc. = 8.768 ug/L	
		50	2.22				<0.100	98.43				
Japan/Asia												
Japan - rain	1974		N/A				<0.06	<10	4	Japan MOE, 2003	Not detected in any of 73 samples	
			N/A				<0.06	<10				

Wastewater		Concentration as ug/L					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Belgium - Roeselare; WWTP influent	2001	16	5.23		<10.00		3.87	10.32	4	ECPI, 2001		
Belgium - Roeselare; WWTP effluent	2001	16	1.53		1.11		0.38	4.38	4	ECPI, 2001		
Belgium - Negenmanneke; WWTP influent, domestic	2002	3	4.4		2.00		1.10	10.09	4	ECPI, 2002		
Belgium - Negenmanneke; WWTP effluent, domestic	2002	3	0.25		<0.5		<0.5	<0.5	4	ECPI, 2002		
		38	3.2				0.38	10.32				
Canada												
Alberta - effluent from 7 WWTPs	Dec 02-Jun 03	8	0.327	0.446	0.138		0.022	1.296	1	Alberta Environment, 2005	C10-iso-mix	
		8	0.327				0.022	1.296				

Sludge		Concentration as ug/kg dry weight					Single	Range		Data	Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality			
Europe												
Belgium - Roeselare; WWTP	2001	6	5100		5750		2970	6620	4	ECPI, 2001	dry wt.	
Germany - sewage sludge from STP	1987-1990	1	28000				13000	83000	4	Weisser, 1992 cited in ECB, 2003b	dry wt.	
Germany - aerobic pre-treatment - raw sludge	1987-1990						12000	16000	4	Weisser, 1992 cited in ECB, 2003b	dry wt.	
Germany - aerobic pre-treatment - treated sludge	1987-1990						12000	14000	4	Weisser, 1992 cited in ECB, 2003b	dry wt.	
Germany - anaerobic fermentation - raw sludge	1987-1990						29000	44000	4	Weisser, 1992 cited in ECB, 2003b	dry wt.	
Germany - anaerobic fermentation - treated sludge	1987-1990						55000	64000	4	Weisser, 1992 cited in ECB, 2003b	dry wt.	
Germany	N/A	5	5402		5200		3800	8030	4	Koib et al., 1997 cited in ECB, 2003b	dry wt.	
		12	7134				2970	83000				
Belgium - Negenmanneke; WWTP, domestic	2002	3	1.06		1.2		0.61	1.38	4	ECPI, 2002	Units are ug/L	

Drinking Water		Concentration as ug/L			Single	Range		Data		Reference	
Location	Date	N	Average	SD	Median	Point	Low	High	Quality		
Japan/Asia											
China - Beijing, tap water	N/A					<5.8			4	Cai et al., 2003	Elevated detection limit
Food											
Type	Date	N	Average	SD	Median	Point	Low	High	Quality	Reference	Comments
EGGS											
Eggs	1993	2	0.005				<0.01	<0.01	2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.005				<0.01	<0.01		Mean represents one half detection limit	
FATS & OILS											
Olive oil - Italy	N/A	1	0.25				<0.5	<0.5	4	Ezerskis et al., 2007	
		1	0.25				<0.5	<0.5		Mean represents one half detection limit	
Olive oil - UK	N/A	15					<0.024	0.190	3	Bradley et al., 2007	Exptl study, evaluated migration from non-stick cookware; heated for 30 to 90 min.
FISH											
Fish - Japan	1974						<0.00005	<5	4	Japan MOE, 2003	Wet wt.; not detected in any of 200 samples; det. limit 0.00005 to 5.0 ug/g
Bream and Roach - NL	1998	25	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Roach - NL: 0.77 to 1.58% fat	2000	3	0.002		<0.004		<0.004	<0.004	1	David and Sandra, 2001	Wet wt; Ave = 1/2 DL
Molluscs - NL	2000	3	0.007		<0.010		<0.010	0.011	1	David and Sandra, 2001	Wet wt
False Creek harbour, B.C., Canada - Green Algae	1999	9	0.0055						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.2%
False Creek harbour, B.C., Canada - Brown Algae	1999	9	0.0002						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.08%
False Creek harbour, B.C., Canada - Plankton	1999	9	0.007						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.09%
False Creek harbour, B.C., Canada - Blue Mussels	1999	9	0.005						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.3%
False Creek harbour, B.C., Canada - Pacific Oysters	1999	9	0.010						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Geoduck Clams	1999	9	0.017						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%
False Creek harbour, B.C., Canada - Manila Clams	1999	9	0.021						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 1.2%
False Creek harbour, B.C., Canada - Dungeness Crabs	1999	9	0.013						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8%
False Creek harbour, B.C., Canada - Purple Seastar	1999	9	0.0011						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.5%
False Creek harbour, B.C., Canada - Juvenile Shiner Perch	1999	9	0.0084						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.1%
False Creek harbour, B.C., Canada - Pacific Herring	1999						<0.00159		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 3.2%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Pile Perch	1999						<0.00159		1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.7%; not detected in any of 9 samples
False Creek harbour, B.C., Canada - Striped Seaperch	1999	9	0.023						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.17%
False Creek harbour, B.C., Canada - Pacific Staghorn Sculpin	1999	9	0.0009						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.3%
False Creek harbour, B.C., Canada - English Sole	1999	9	0.0011						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.5%
False Creek harbour, B.C., Canada - Whitespotted Greenling	1999	9	0.0011						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 0.6%
False Creek harbour, B.C., Canada - Spiny Dogfish- muscle	1999	9	0.0071						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 8.3%
False Creek harbour, B.C., Canada - Spiny Dogfish- liver	1999	9	0.040						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 62%
False Creek harbour, B.C., Canada - Spiny Dogfish- embryo	1999	9	0.0010						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 17%
False Creek harbour, B.C., Canada - Surf Scoters	1999	9	0.031						1	Mackintosh, et al. 2004	Wet wt; ave lipid content = 2.2%
Mussel	N/A	3	0.53		<0.5		<0.2	1.240	4	Eil Atochem, 1997 cited in ECB, 2003b	Dry wt.; detected in 1 of 3 samples
		196	0.017				<0.00005	1.24			
MEAT											
Carcass Meat	1993	2	0.005				<0.01	<0.01	2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.005				<0.01	<0.01		Mean represents one half detection limit	
MILK											
Milk - direct from cows; Netherlands	1998	29	0.005		<0.01		<0.01	<0.01	1	David and Sandra, 2001	Collected from 2 farms in spring; % fat = 1.1 to 9.7
Milk - direct from cows; Netherlands	2000	3	0.005		<0.01		<0.01	<0.01	1	David and Sandra, 2001	Collected from 2 farms in autumn; % fat = 1.8 to 2.0
		32	0.005				<0.01	<0.01		Mean represents one half detection limit	
OTHER FOODS											
Tomato sauce - Italy	N/A	1	0.25				<0.5	<0.5	4	Ezerskis et al., 2007	
Pesto sauce - Italy	N/A	1	0.25				<0.5	<0.5	4	Ezerskis et al., 2007	
		2	0.25				<0.5	<0.5		Mean represents one half detection limit	
Olives in oil, tomato sauce	N/A	9	202	214	140		55	705	3	Fankhauser-Noti and Grob, 2006	Migration from gasket of lid into food
Garlic, tomatoes, etc.in oil - Denmark	2004						<1	173	3	Pedersen et al., 2008	Foods in glass jars with PE containing gaskets; food withdrawn from market
POULTRY											
Poultry	1993	2	0.005				<0.01	<0.01	2	MAFF Report #82, March, 1996	Prepared for consumption
		2	0.005				<0.01	<0.01		Mean represents one half detection limit	

INFANT FORMULA - powder

Infant Formula-BF1, whey powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-BF2, casein powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Plus, casein powder	1998	4	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&G Premium, whey powder	1998	4	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-C&GI, soya powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-FFM, whey powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSF, soya powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-FSM, casein powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-MA, whey powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-MM, casein powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA Gold, whey powder	1998	4	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMA White, casein powder	1998	5	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
Infant Formula-SMAW, soya powder	1998	2	0.05		<0.1	<0.1	<0.1	1	MAFF Rpt-168, December, 1998	
		35	0.05			<0.1	<0.1			Mean represents one half detection limit

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.015		<0.03	<0.03	<0.03	1	MAFF Rpt-168, December, 1998	
		4	0.015			<0.03	<0.03			Mean represents one half detection limit

Consumer Products											
Location/Type	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Concentration in % w/w											
Europe											
Austria, Germany, Switzerland - PVC toys and childcare products	2007 (Jan-June)	4	24				93	32	4	Biedermann-Brem et al., 2008	Det. In 4 of 252 samples; conc. are for detected samples only
		4	24				93	32			

Vegetation											
	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Grasses, sugar beet leaves, maize, kale - Netherlands	1999	53	82		<100		<100	324	1	David and Sandra, 2001	wet wt; 20 locations, different seasons; ave dry mass = 25.28%
Cattle feed - Netherlands	1999	2	50				<100	<100	1	David and Sandra, 2001	wet wt; 2 locations, ave dry mass =93.5%
		55	81				<100	324			
Algae	N/A	1	270			270			4	Eil Atochem, 1997 cited in ECB, 2003b	Dry wt.
Plankton - Japan	1974	2	5				<10	<10	4	Japan MOE, 2003	Not detected in either of 2 samples

Human Blood											
	Date	N	Average	SD	Median	Single Point	Range Low	Range High	Data Quality	Reference	Comments
Europe - 17 countries; 47 volunteers (male and female)	Dec. 2003	45	0.026	0.082	<0.020		<0.020	0.55	1	WWF-UK, 2004	Whole blood; 0.25% lipid; detected in 4 of 45 samples; 90th perc = <0.020
		45	0.026				<0.020	0.55			

Total Phthalates

Surface Water												
Location	Date	Concentration as ug/L				Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median		Low	High	Quality			
Europe												
Italy - Tyrrhenian Sea - 8 locations	1999	24	0.397		0.427		0.095	0.641	2	Cincinelli, et al., 2001	Sub-surface water; n-hexane extraction	
Italy - Tyrrhenian Sea - 8 locations	1999	24	2.20		0.709		0.191	12.6	2	Cincinelli, et al., 2001	Sea-surface microlayer; n-hexane extraction	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	0.629						2	Cincinelli, et al., 2001	Sub-surface water	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	33.6						2	Cincinelli, et al., 2001	Sea-surface microlayer	
		54	3.06				0.095	12.6				
Japan/Asia												
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	2.91				1.69	4.72	1	Zeng et al., 2008a	Sum of 16 PEs	
		15	2.91				1.69	4.72				

Sediments												
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median		Low	High	Quality			
USA												
Various sites across country (15 river basins)	1992-95		NA		<0.050		<0.050	20	1	Lopes and Furlong, 2001	Dry wt.	
							<0.050	20				
Canada												
Vancouver, B.C. - False Creek Harbour	2001?		NA				2.0	3.6	4	Lin et al, 2003	Total of 16 samples from 4 locations	
							2.0	3.6				
Japan/Asia												
China, Guangzhou City - urban lakes, 15 locations	2005 (May)	15	20.85				2.27	74.94	1	Zeng et al., 2008a	Sum of 16 PEs; top 10 cm	
		15	20.85				2.27	74.94				

Suspended Particulate Matter												
Location	Date	Concentration as ug/g dry weight				Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median		Low	High	Quality			
Europe												
Italy - Tyrrhenian Sea - 8 locations	1999	24	235		218		113	424	2	Cincinelli, et al., 2001	Sub-surface water; mean conc. particulate matter = 4.2 mg/L	
Italy - Tyrrhenian Sea - 8 locations	1999	24	1133		689		129	3754	2	Cincinelli, et al., 2001	Sea-surface microlayer; mean conc. particulate matter = 10 mg/L	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	754						2	Cincinelli, et al., 2001	Sub-surface water; dry wt.; conc. particulate matter = 5 mg/L	
Italy - Tyrrhenian Sea - Harbour of Leghorn	1999	3	2441						2	Cincinelli, et al., 2001	Sea-surface microlayer; dry wt.; conc. particulate matter = 72.5 mg/L	
		54	786				113	3754				

Soil												
Location	Date	Concentration as ug/kg dry weight				Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median		Low	High	Quality			
Japan/Asia												
China, Guangzhou - Panyu District, agricultural soil	2006 (July)	10	926		682		220	2,080	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 1.94%; det. in 100% samples; sum of 16 PEs	
China, Guangzhou - Haizhou District, agricultural soil	2006 (July)	4	5160		3100		2240	12,200	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.84%; det. in 100% samples; sum of 16 PEs	
China, Guangzhou - Tianhe District, agricultural soil	2006 (July)	12	876		760		195	2,670	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.02%; det. in 100% samples; sum of 16 PEs	
China, Guangzhou - Liwan District, agricultural soil	2006 (July)	8	4890		506		336	33,600	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.72%; det. in 100% samples; sum of 16 PEs	
China, Guangzhou - Baiyun District, agricultural soil	2006 (July)	6	1000		455		384	3,680	1	Zeng et al., 2008b	Top 20 cm; ave. TOC = 2.12%; det. in 100% samples; sum of 16 PEs	
China, Guangzhou City - urban soil	2005 (Dec)				17700		1670	322,000	1	Zeng et al., 2009	Top 5 cm; sum of 16 PEs	
		40	2138				195	322,000				

Air												
Location	Date	Concentration as ng/m3				Single Point	Range		Data		Reference	Comments
		N	Average	SD	Median		Low	High	Quality			
Europe												
Italy - Tyrrhenian Sea - Leghorn	1999	2	12				3.5	20.5	2	Cincinelli, et al., 2001	7.2 to 10 um equiv. aerodynamic diameter	
Italy - Tyrrhenian Sea - Leghorn	1999	2	9.8				8.6	11	2	Cincinelli, et al., 2001	3.5 to 7.2 um equiv. aerodynamic diameter	
Italy - Tyrrhenian Sea - Leghorn	1999	2	10.05				5.2	14.9	2	Cincinelli, et al., 2001	1.5 to 3.5 um equiv. aerodynamic diameter	
Italy - Tyrrhenian Sea - Leghorn	1999	2	8.75				6.4	11.1	2	Cincinelli, et al., 2001	0.95 to 1.5 um equiv. aerodynamic diameter	
Italy - Tyrrhenian Sea - Leghorn	1999	2	12.25				5.4	19.1	2	Cincinelli, et al., 2001	0.49 to 0.95 um equiv. aerodynamic diameter	
Italy - Tyrrhenian Sea - Leghorn	1999	2	9.6				4.9	14.3	2	Cincinelli, et al., 2001	less than 0.49 um equiv. aerodynamic diameter	
		12	10				3.5	20.5				

Legend

 Data, changes or comments added in 2009

 Also used in drinking water summary

 Excluded from calculated summary

 Indicates average based on detection limit

BOLD Calculated category summary

Data Quality

1 - Reliable without restrictions

2 - Reliable with restrictions

3 - Not reliable

4 - Unassignable

Dust		Concentration as ug/kg dry weight				Single	Range		Data			Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality				
Northern Europe													
Norway - House Dust- Oslo-Sedimented Dust	1992-93	38	9.60E+05				1.30E+05	2.92E+06	2	Oie et al., 1997	38 dwellings		
Norway - House Dust- Oslo-Suspended Particulate Matter	1992-93	6	1.18E+06	6.30E+05			4.50E+05	2.26E+06	2	Oie et al., 1997	6 dwellings		
		44	9.90E+05				1.30E+05	2.92E+06					
Precipitation													
Precipitation		Concentration as ug/L				Single	Range		Data			Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality				
Europe													
Italy, Rieti - city centre (high traffic)	1997	4	6.8		7.9		3.2	8.3	4	Guidotti et al., 2000	Measured in spring, summer, fall, and winter		
Italy, Rieti - suburban residential area	1997	4	6.9		6.3		3.7	11.4	4	Guidotti et al., 2000	Measured in spring, summer, fall, and winter		
Italy, Rieti - industrial area	1997	4	7.5		7.5		7.1	7.8	4	Guidotti et al., 2000	Measured in spring, summer, fall, and winter		
		12	7.1				3.2	11.4					
Sludge													
Sludge		Concentration as ug/kg dry weight				Single	Range		Data			Reference	Comments
Location	Date	N	Average	SD	Median	Point	Low	High	Quality				
Europe													
Belgium - sludge from 9 WWTPs	2000?	12	188,000		133,000		19,000	409,000	4	Tienpont, et al. 2001	dry wt.; Sum of DEHP, DINP, DIDP represents approx. 60% of total		
		12	188,000				19,000	409,000					
Food													
Food		Concentration as ug/g				Single	Range		Data			Reference	Comments
Type	Date	N	Average	SD	Median	Point	Low	High	Quality				
DAIRY (excl. milk)													
Cheese after prep	N/A	2	5.8						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Cheese as purchased	N/A	2	5.9						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Milk Products	1993	10	0.5						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Cream 35% fat, Norway	N/A	5	3.6				2.9	5.12	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
Cream, Spain; 31 to 33% fat	N/A	2	1.88				0.72	3.04	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
Cream, UK	N/A	10	8.7				1.8	19	2	Sharman, et al, 1994	Total phthalates expressed as DEHP equivalents		
Cheeses assorted-UK	N/A	25	26.8				2.4	114.4	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
		56	14				0.72	114.4					
EGGS													
Eggs after prep	1993	2	4.4						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Eggs after prep	N/A	2	0.1						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Eggs as purchased	N/A	2	0.1						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
		6	1.5				0.1	4.4			Min. and max. are referenced averages		
FAT & OILS													
Butter after prep	N/A	2	2.5						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Butter as purchased	N/A	2	1.3						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Fats and Oils	1993	10	1.7						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Oils and Fats	76-78	1	3						4	CIVO-TNO, 1980	66 % food samples > DL, all esters measured as DMP		
Butter Spread, UK	N/A	1	15			15			2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
Butters, UK	N/A	5	18.6				4.8	55.6	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
Margarine, Soft, UK	N/A	1	12.8			12.8			2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
Margarine, Sunflower, UK	N/A	1	23.6			23.6			2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents		
		23	7.5				1.3	55.6			Min. is a referenced average		
FISH													
Fish after prep	N/A	2	0.2						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Fish as purchased	N/A	2	0.2						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Fish after prep	1993	10	0.5						2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight		
Fish - Germany	N/A	45	0.26						4	BMUJF, 1997	Detected in 45 of 180 samples		
Striped seaperch muscle - Vancouver, Canada	2001?						0.004	0.054	4	Lin et al, 2003	9 samples; wet weight		
Crabs - Spain, Urdaibai estuary	1994						<0.04	4.9	4	Chaler et al., 2004			
Oysters - Spain, Urdaibai estuary	1994						<0.01	2.3	4	Chaler et al., 2004			
Benthic bivalves - China, Yellow Sea coast	1999				ND	ND	0.305	ND	4	Liu et al., 2008	Wet wt.; sum of DBP, DIBP, & DEHP; det. 28 of 57 samples; MDL not rep.		
		59	0.3				0.004	4.9					

MEAT

Liver after prep	N/A	2	0.2			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Liver as purchased	N/A	2	0.1			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Minced Beef after Prep	N/A	2	0.2			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Minced beef as purchased	N/A	2	0.2			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Meat products	1993	2	1.1			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Carcass Meat	1993	10	3.5			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Offals	1993	10	1.3			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
		30	1.7		0.1	3.5		Min. and max. are referenced averages

MILK

Milk	1993	10	0.5			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight	
Milk after prep	N/A	4	0.08			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight	
Milk as purchased	N/A	4	0.04			2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight	
Milk < 1% fat, Norway	N/A	5	0.12		0.06	0.3	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk 1% fat, Norway	N/A	4	0.16	<0.04	<0.04	0.58	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk 3% fat, Norway	N/A	9	0.93		0.2	2.26	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk, fresh, 0.1 - 3% fat, Spain	N/A	5	0.15		0.06	0.22	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk, Homogenized, 0.6% fat, Spain	N/A	1	0.72	0.72			2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk, UHT, <0.1 - 2.5% fat, Spain	N/A	5	0.1		0.08	<0.4	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
Milk, UK	N/A				0.06	0.32	2	Sharman et al, 1994	Total phth. expressed as DEHP equiv.; N = 16 composites
		47	0.36		<0.04	2.26			

Poultry

Chicken after prep	N/A	4	0.3				2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Chicken as purchased	N/A	4	0.05				2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
Poultry after prep	1993	10	8.8				2	MAFF Report #82, March, 1996	Total phthalates expressed as DMP, wet weight
		18	5.0		0.05	8.8		Min. and max. are referenced averages	

INFANT FORMULA - powder

Soy Formula-1	1996	2	4	4			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Soy Formula-2	1996	2	3.6	3.6			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Whey Formula-1	1996	2	5.5	5.5			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Whey Formula-2	1996	2	6.5	6.5			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Whey Formula-3	1996	2	8.1	8.1			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Whey Formula-4	1996	2	2.3	2.3			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Whey Formula-5	1996	2	1.4	1.4			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Casein Formula-1	1996	2	6.1	6.1			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Casein Formula-2	1996	2	10.2	10.2			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Casein Formula-3	1996	2	1.2	1.2			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Casein Formula-4	1996	2	2.1	2.1			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Casein Formula-5	1996	2	7.2	7.2			2	MAFF Rpt-83, March, 1996	Total phthalates expressed as DMP, wet weight
Infant Formula-BF1, whey powder	1998	2	0.45		0.4	0.5	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-BF2, casein powder	1998	2	0.45		0.4	0.5	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-C&G Plus, casein powder	1998	4	0.43		0.3	0.5	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-C&G Premium, whey powder	1998	4	0.53	0.5	0.5	0.6	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-C&G, soya powder	1998	2	0.2		0.2	0.2	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-FFM, whey powder	1998	2	0.15		0.1	0.2	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-FSF, soya powder	1998	2	0.15		0.1	0.2	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-FSM, casein powder	1998	2	0.13		<0.1	0.2	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-MA, whey powder	1998	2	0.3		0.3	0.3	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-MM, casein powder	1998	2	0.25		0.2	0.3	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-SMA Gold, whey powder	1998	4	0.3		0.1	0.6	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-SMA White, casein powder	1998	5	0.3	0.3	0.1	0.4	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant Formula-SMAW, soya powder	1998	2	0.45		0.4	0.5	1	MAFF Rpt-168, December, 1998	Total phthalates expressed as DMP, wet weight
Infant formula, milk powder, UK	N/A	3	1.7		0.4	3	2	Sharman et al, 1994	Total phthalates expressed as DEHP equivalents
		62	2.0		<0.1	10.2			

INFANT FORMULA - liquid

Infant Formula-SMAW, ready-to-feed liquid	1998	4	0.04		<0.05	0.07	1	MAFF Rpt-168, December, 1998	Total phth. expr. as DMP, wet wt; det. in 1 of 4 samples
		4	0.04		<0.05	0.07			