Media with hazard quotient ≥ 1.0 in the BERA

Number of chemicals within each medium with HQ ≥ 1.0 given in row 110

Number of lines of evidence for each chemical with HQ ≥ 1.0 given in column BT

Chemical	Surface water		Near bottom water		Transition zone water		Sediment (Generic SQGs)		Sediment (BERA FPM SQGs)		Number of LOEs	Total number of LOEs
	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	with HQ≥ 1.0	35
Aluminum	132/142	21	68/72	21	46/93	470					3	
Antimony											1	
Arsenic							19/1370	4.4			2	
Barium					93/93	1100					1	
Beryllium					3/93	2.0					1	
Cadmium					10/55	5.8	6/1348	13	5/1092	13	5	
Chromium							29/1358	8.6			2	
Cobalt					3/13	3.6					1	
Copper					1/45	1.3	49/1358	14	6/1102	5.0	13	
Iron					101/106	250					1	
Lead					4/55	3.0	65/1358	147			6	
Magnesium					8/106	7.0					1	
Manganese					105/106	550	1/223	1.9			2	
Mercury							20/1345	133	10/1089	90	5	
Nickel					3/55	1.6	50/1356	17			2	
Potassium					2/93	3.7					1	
Selenium							138/1109	4.0			1	
Silver							1/1346	2.4	15/1090	8.6	2	
Sodium					11/93	55					1	
Vanadium					6/13	19					1	
Zinc	1/167	1.2	1/91	1.2	1/55	14	78/1358	9.0			8	
Tributyltin	1/167	1.2									11	
Total PAHs							98/1406	320			1	
High molecular weight PAH (HPAH)									8/1150	7.0	1	
Low molecular weight PAH (LPAH)									39/1150	161	1	
2-Methylnaphthalene					11/89	40	64/1336	264			2	
Acenaphthene					24/102	17	250/1406	4837			2	
Acenaphthylene							113/1406	422			1	
Anthracene					28/102	87	149/1406	1592			2	
Benzo(a)anthracene	2/245	10	2/122	10	31/102	1200	244/1406	831			4	
Benzo(b)fluoranthene					13/102	49					1	
Benzo(k)fluoranthene					10/102	14					1	
Total benzofluoranthenes									12/1045	7.5	1	
Benzo(g,h,i)perylene					13/102	66					1	
Benzo(a)pyrene	3/245	14	3/122	14	34/102	2700	189/1406	435			5	
Chrysene					10/102	17	179/1406	429			2	
Dibenz(a,h)anthracene					8/102	13	162/1406	185			2	
Fluoranthene					11/102	17	128/1406	510			2	
Fluorene					36/102	28	160/1406	1528			2	
Indeno(1,2,3-c,d)pyrene					13/102	61					1	
Naphthalene	10/268	50	10/145	50	31/149	1100	63/1407	256			4	
Phenanthrene					36/102	57	248/1406	3301			2	
Pyrene					11/102	15	257/1406	1486			2	
Benzoic acid							179/1168	82			1	
Benzyl alcohol							162/1226	29	4/970	60	2	
Carbazole							17/1229	20	16/973	29	2	
1,2-Dichlorobenzene					5/136	46					1	
1,4-Dichlorobenzene					2/128	16					1	
Dibenzofuran					3/89	2.2					1	
bis(2-ethylhexyl)phthalate	2/190	2.3	2/105	2.3							4	
Dibutyl phthalate											1	
2,4-Dimethylphenol							274/1217	97			1	
2-Methylphenol							164/1284	34			1	
4-Methylphenol							37/1285	6.4			1	
Pentachlorophenol							7/1297	12			1	
Phenol									3/1028	18	1	
Total PCB	2/160	1.2	1/86	1.1			96/1100	111	24/845	62	21	
Aroclor 1254							32/1100	6.5			1	
PCB TEQ											5	
2,3,7,8-TCDD							1/219	12			1	
Dioxin/furan TEQ											4	
Total TEQ (dioxin + furan + PCB)											5	
Aldrin											1	
δ-Hexachlorocyclohexane (δ-BHC)									5/825	42	1	
γ-Hexachlorocyclohexane (Lindane or γ-BHC)							169/1083	312			1	
Chlordane (cis + trans)							1/188	2.9			1	
2,4'-DDD					10/14	1100					1	
4,4'-DDD					6/14	1300	186/1128	327			3	
Total DDDs (2,4'-DDD + 4,4'-DDD)							120/1128	109			1	
4,4'-DDE					3/14	120	142/1125	332			4	
Total DDEs (2,4'-DDE + 4,4'-DDE)							64/1125	81			3	
2,4'-DDT					3/14	93					1	
4,4'-DDT	19/170	4.7	11/93	4.7	3/14	1800					3	
Total DDTs (2,4'-DDT + 4,4'-DDT)							88/1127	207			1	
Total DDx (Sum of all DDDs, DDEs and DDTs)	35/170	20	21/93	20	10/14	3100	7/1128	3.6	51/873	73	9	
Dieldrin							39/1078	53	2/823	17	2	
Endrin							11/835	3.2	2/677	9.6	2	
Endrin ketone									4/828	24	1	
Heptachlor epoxide							45/1082	36			1	
1,1-Dichloroethene					2/136	1.6					1	
1,2,4-Trimethylbenzene					11/41	9.6					1	
1,3,5-Trimethylbenzene					5/41	3.0					1	
Benzene					9/136	30					1	
Carbon disulfide					4/136	870					1	
Chlorobenzene					3/136	190					1	
Chloroethane					1/136	3.4					1	
Chloroform					4/136	21					1	
cis-1,2-Dichloroethene					5/136	110					1	
Ethylbenzene	1/23	1.6	1/23	1.6	15/136	57					3	
Isopropylbenzene					10/136	2.0					1	
Toluene					11/136	18					1	
Trichloroethene	1/23	4.1	1/23	4.1	2/136	1900					3	
m,p-Xylene					3/136	4.4					1	
o-Xylene					12/136	12					1	
Total xylenes					13/136	54					1	
Gasoline range aliphatics (C_6 - C_8)					15/68	7.3					1	
Gasoline range aliphatics (C_8 - C_{10})					7/62	4.3					1	
Diesel range aliphatics (C_{10} - C_{12})					36/68	540					1	
Gasoline range aromatics (C_8 - C_{10})					3/68	2.7					1	
Cyanide					34/34	4400					1	
Perchlorate					5/21	19					1	
Number of chemicals with HQ≥ 1.0		12		11		62		46		16		

Chemical	Field clams		Mussels		Crayfish		Lab clams		Lab worms		Largescale sucker		Peamouth		Pacific lamprey		Sculpin		Smallmouth bass		Northern pikeminnow		Brown bullhead		Carp		White sturgeon	
	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ
Antimony																				5.4								
Arsenic									2/35	1.5																		
Chromium																											1/15	31
Copper	32/38	1.8			32/32	2.6			1/35	2.6						2.2	3/38	2.3										
Lead														2.7						280								
Mercury																						1.1						
Zinc	34/38	2.2	5/7	1.7					27/35	1.3															15/15	3.1		
Tributyltin	1/34	3.5					1/35	4.5	1/35	11																		
bis(2-ethylhexyl)phthalate																							1/6	1.7				
Total PCB	1/41	2.1							8/35	7.5		1.6					4/38	9.4		7.1		2.0	1/6	1.8		27		
4,4'-DDD									1/35	1.2																		
Total DDx (Sum of all DDDs, DDEs and DDTs)							1/35	2.2	2/35	3.2							1/38	1.9										
Number of chemicals with HQ≥ 1.0		4		1		1		2		7		1		1		1		3		3		2		2		2		1

Chemical	Dietary - Largescale sucker		Dietary - White sturgeon		Dietary - Juv Chinook salmon		Dietary - Peamouth		Dietary - Sculpin		Dietary - Smallmouth bass		Dietary - Northern pikeminnow		Dietary - Spotted sandpiper		Dietary - Hooded merganser		Dietary - Bald eagle		Dietary - Osprey		Dietary - Belted kingfisher		Bird egg - Bald eagle		Bird egg - Osprey		Dietary - Mink		Dietary - River otter	
	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ	Count	Maximum HQ
Cadmium						3.5				4.2																						
Copper						2.5		1.0		5.3				1.5		1.3																
Lead																						7.8								4.0		
Mercury																				1.7				1.0								
Tributyltin		9.3		9.3		56		8.0		69		6.1		25																		
Benzo(a)pyrene																1.6																
bis(2-ethylhexyl)phthalate																								1.3								
Dibutyl phthalate																1.4																
Total PCB																12		3.8		3.9		1.1		7.3		26		5.7		33		31
PCB TEQ																11										240		22		2.4		1.5
Dioxin/furan TEQ																17										59		10		2.0		
Total TEQ (dioxin + furan + PCB)																20										280		25		12		2.3
Aldrin																1.7																
4,4'-DDE																										11		4.2				
Total DDEs (2,4'-DDE + 4,4'-DDE)																1.3								1.0								
Total DDx (Sum of all DDDs, DDEs and DDTs)																1.4																
Number of chemicals with HQ≥ 1.0		1		1		3		2		3		1		2		10		1		2		2		4		5		5		5		3

Chemical	Number of LOEs with HQ ≥ 1.0
Antimony	1
Barium	1
Beryllium	1
Cobalt	1
Iron	1
Magnesium	1
Potassium	1
Selenium	1
Sodium	1
Vanadium	1
Total PAHs	1
High molecular weight PAH (HPAH)	1
Low molecular weight PAH (LPAH)	1
Acenaphthylene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	1
Total benzofluoranthenes	1
Benzo(g,h,i)perylene	1
Indeno(1,2,3-c,d)pyrene	1
Benzoic acid	1
1,2-Dichlorobenzene	1
1,4-Dichlorobenzene	1
Dibenzofuran	1
Dibutyl phthalate	1
2,4-Dimethylphenol	1
2-Methylphenol	1
4-Methylphenol	1
Pentachlorophenol	1
Phenol	1
Aroclor 1254	1
2,3,7,8-TCDD	1
Aldrin	1
δ-Hexachlorocyclohexane (δ-BHC)	1
γ-Hexachlorocyclohexane (Lindane or γ-BHC)	1
Chlordane (cis + trans)	1
2,4'-DDD	1
Total DDDs (2,4'-DDD + 4,4'-DDD)	1
2,4'-DDT	1
Total DDTs (2,4'-DDT + 4,4'-DDT)	1
Endrin ketone	1
Heptachlor epoxide	1
1,1-Dichloroethene	1
1,2,4-Trimethylbenzene	1
1,3,5-Trimethylbenzene	1
Benzene	1
Carbon disulfide	1

<3	
3-5	
6-8	
9-11	
12-15	
>15	

Chlorobenzene	1
Chloroethane	1
Chloroform	1
cis-1,2-Dichloroethene	1
Isopropylbenzene	1
Toluene	1
m,p-Xylene	1
o-Xylene	1
Total xylenes	1
Gasoline range aliphatics (C_4 - C_6)	1
Gasoline range aliphatics (C_6 - C_8)	1
Diesel range aliphatics (C_{10} - C_{12})	1
Gasoline range aromatics (C_8 - C_{10})	1
Cyanide	1
Perchlorate	1
Arsenic	2
Chromium	2
Manganese	2
Nickel	2
Silver	2
2-Methylnaphthalene	2
Acenaphthene	2
Anthracene	2
Chrysene	2
Dibenz(a,h)anthracene	2
Fluoranthene	2
Fluorene	2
Phenanthrene	2
Pyrene	2
Benzyl alcohol	2
Carbazole	2
Dieldrin	2
Endrin	2
Aluminum	3
4,4'-DDD	3
Total DDEs (2,4'-DDE + 4,4'-DDE)	3
4,4'-DDT	3
Ethylbenzene	3
Trichloroethene	3
Benzo(a)anthracene	4
Naphthalene	4
bis(2-ethylhexyl)phthalate	4
Dioxin/furan TEQ	4
4,4'-DDE	4
Cadmium	5
Mercury	5
Benzo(a)pyrene	5
PCB TEQ	5

Total TEQ (dioxin + furan + PCB)	5
Lead	6
Zinc	8
Total DDx (Sum of all DDDs, DDEs and DDTs)	9
Tributyltin	11
Copper	13
Total PCB	21