

Table 1 The absolute isotropic shielding values (in ppm) of nuclei in H₂X (X = Se, Te, Po) subsystems in H₂X-H₂O systems (σ_{iso}^{super}), absolute property shifts, $\Delta\sigma_{iso}$, (in ppm) and relative property shifts, $\delta\sigma_{iso}$, (in percent in parenthesis), calculated in isolated H₂X molecules ("me") and in H₂X molecules with the presence of H₂O accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively) with various FDE approximations: 0, v , $v + w_u$, $v + w_u + w_c$ (explanation in text).

Species	Hamiltonian	Atom	σ_{iso}^{super}	$\Delta\sigma_{iso}^{FDE(4)} \left(\delta\sigma_{iso}^{FDE(4)} \right)$				$\Delta\sigma_{iso}^{FDE(0)} \left(\delta\sigma_{iso}^{FDE(0)} \right)$				$\Delta\sigma_{iso}^{me} \left(\delta\sigma_{iso}^{me} \right)$
				0	v	$v + w_u$	$v + w_u + w_c$	0	v	$v + w_u$	$v + w_u + w_c$	
H ₂ Se-H ₂ O	DC	Se	2378.03	-100.75 (-4.24)	-12.54 (-0.53)	-12.55 (-0.53)	-12.33 (-0.52)	-90.16 (-3.79)	-8.66 (-0.36)	-8.72 (-0.37)	-8.49 (-0.36)	38.25 (1.61)
		H _b	30.88	-0.39 (-1.27)	-0.83 (-2.68)	-0.67 (-2.16)	-0.62 (-2.01)	-0.55 (-1.79)	-0.95 (-3.08)	-0.79 (-2.57)	-0.75 (-2.42)	-2.09 (-6.77)
		H	33.42	0.24 (0.71)	0.02 (0.06)	0.03 (0.08)	0.03 (0.08)	0.25 (0.76)	0.06 (0.17)	0.06 (0.19)	0.06 (0.19)	0.43 (1.29)
H ₂ Te-H ₂ O	DC	Te	4667.85	-142.39 (-3.05)	-4.62 (-0.10)	-9.16 (-0.20)	-8.88 (-0.19)	-130.69 (-2.80)	-0.60 (-0.01)	-5.04 (-0.11)	-4.77 (-0.10)	67.48 (1.45)
		H _b	35.62	-0.29 (-0.80)	-0.68 (-1.90)	-0.44 (-1.23)	-0.42 (-1.18)	-0.38 (-1.07)	-0.75 (-2.11)	-0.51 (-1.44)	-0.49 (-1.39)	-1.70 (-4.77)
		H	37.85	-0.02 (-0.05)	0.01 (0.02)	0.02 (0.06)	0.02 (0.07)	0.01 (0.02)	0.04 (0.09)	0.05 (0.14)	0.05 (0.14)	0.54 (1.41)
H ₂ Po-H ₂ O	DC	Po	13985.80	-224.54 (-1.61)	18.28 (0.13)	-3.52 (-0.03)	-3.13 (-0.02)	-214.79 (-1.54)	21.32 (0.15)	0.19 (0.00)	0.58 (0.00)	137.84 (0.99)
		H _b	40.80	0.50 (1.23)	0.07 (0.16)	-0.09 (-0.23)	-0.09 (-0.23)	0.47 (1.15)	0.05 (0.11)	-0.11 (-0.27)	-0.11 (-0.26)	-0.57 (-1.40)
		H	42.29	-0.22 (-0.52)	-0.03 (-0.08)	0.00 (-0.01)	0.00 (-0.01)	-0.19 (-0.45)	-0.01 (-0.02)	0.02 (0.05)	0.02 (0.05)	0.89 (2.09)

Table 2 The absolute anisotropic shielding values (in ppm) of nuclei in H₂X (X = Se, Te, Po) subsystems in H₂X-H₂O systems (σ_{aniso}^{super}), absolute property shifts, $\Delta\sigma_{aniso}$, (in ppm) and relative property shifts, $\delta\sigma_{aniso}$, (in percent in parenthesis), calculated in isolated H₂X molecules ("me") and in H₂X molecules with the presence of H₂O accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively) with various FDE approximations: 0, v , $v + w_u$, $v + w_u + w_c$ (explanation in text).

Species	Hamiltonian	Atom	σ_{aniso}^{super}	$\Delta\sigma_{aniso}^{FDE(4)} \left(\delta\sigma_{aniso}^{FDE(4)} \right)$				$\Delta\sigma_{aniso}^{FDE(0)} \left(\delta\sigma_{aniso}^{FDE(0)} \right)$				$\Delta\sigma_{aniso}^{me} \left(\delta\sigma_{aniso}^{me} \right)$
				0	v	$v + w_u$	$v + w_u + w_c$	0	v	$v + w_u$	$v + w_u + w_c$	
H ₂ Se-H ₂ O	DC	Se	609.27	21.80 (3.58)	-0.13 (-0.02)	-0.43 (-0.07)	-0.19 (-0.03)	20.61 (3.38)	-0.07 (-0.01)	-0.38 (-0.06)	-0.13 (-0.02)	0.17 (0.03)
		H _b	22.19	5.05 (22.78)	6.00 (27.04)	5.76 (25.98)	5.70 (25.67)	5.26 (23.69)	6.12 (27.60)	5.89 (26.55)	5.82 (26.24)	7.29 (32.86)
		H	15.13	-1.17 (-7.72)	-0.22 (-1.47)	-0.22 (-1.44)	-0.21 (-1.42)	-1.07 (-7.07)	-0.20 (-1.33)	-0.20 (-1.31)	-0.19 (-1.29)	0.09 (0.59)
H ₂ Te-H ₂ O	DC	Te	1189.67	29.78 (2.50)	0.56 (0.05)	-1.22 (-0.10)	-1.21 (-0.10)	28.16 (2.37)	0.41 (0.03)	-1.29 (-0.11)	-1.28 (-0.11)	3.60 (0.30)
		H _b	14.59	0.50 (3.42)	0.02 (0.12)	0.24 (1.62)	0.28 (1.89)	0.43 (2.93)	-0.06 (-0.39)	0.17 (1.16)	0.21 (1.43)	-1.31 (-8.99)
		H	15.24	0.54 (3.57)	0.09 (0.62)	0.08 (0.53)	0.08 (0.53)	0.49 (3.23)	0.06 (0.38)	0.04 (0.29)	0.05 (0.30)	-0.64 (-4.21)
H ₂ Po-H ₂ O	DC	Po	5556.67	61.88 (1.11)	-15.12 (-0.27)	-18.36 (-0.33)	-18.61 (-0.33)	48.66 (0.88)	-26.12 (-0.47)	-29.42 (-0.53)	-29.81 (-0.54)	-463.51 (-8.34)
		H _b	105.25	0.98 (0.93)	-1.28 (-1.21)	-1.67 (-1.59)	-1.67 (-1.59)	0.78 (0.75)	-1.41 (-1.34)	-1.79 (-1.70)	-1.79 (-1.70)	-6.01 (-5.71)
		H	107.80	1.93 (1.79)	0.16 (0.15)	0.08 (0.08)	0.09 (0.08)	1.78 (1.65)	0.06 (0.06)	-0.02 (-0.02)	-0.02 (-0.02)	-4.03 (-3.74)

Table 3 The absolute isotropic, σ_{iso} , and anisotropic, σ_{aniso} , shielding values (in ppm) of nuclei in H₂X subsystems in H₂X-H₂O (X = Se, Te, Po) systems, absolute property shifts, $\Delta\sigma_{iso}$ and $\Delta\sigma_{aniso}$, (in ppm) and relative property shifts, $\delta\sigma_{iso}$ and $\delta\sigma_{aniso}$, (in percent in parenthesis), calculated in isolated H₂X molecules ("me") and in H₂X molecules with the presence of H₂O accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively).

Species	Hamiltonian	Atom	σ_{iso}^{super}	$\Delta(\sigma_{iso})$ ($\delta(\sigma_{iso})$)			σ_{aniso}^{super}	$\Delta(\sigma_{aniso})$ ($\delta(\sigma_{aniso})$)		
				FDE(4)	FDE(0)	me		FDE(4)	FDE(0)	me
H ₂ Se-H ₂ O	ZORA-SO	Se	2261.59	-11.30 (-0.50)	-8.84 (-0.39)	34.89 (1.54)	628.15	4.43 (0.71)	4.50 (0.72)	4.89 (0.78)
		H _b	30.10	-0.77 (-2.57)	-0.86 (-2.85)	-2.07 (-6.89)	23.95	5.83 (24.33)	5.91 (24.67)	7.22 (30.14)
		H	32.55	-0.03 (-0.10)	-0.01 (-0.02)	0.35 (1.09)	16.97	-0.24 (-1.39)	-0.22 (-1.31)	0.11 (0.64)
H ₂ Te-H ₂ O	ZORA-SO	Te	4251.23	-9.61 (-0.23)	-6.42 (-0.15)	64.66 (1.52)	1219.57	0.55 (0.05)	0.51 (0.04)	0.80 (0.07)
		H _b	33.43	-0.46 (-1.38)	-0.52 (-1.54)	-1.59 (-4.76)	18.09	3.87 (21.41)	3.92 (21.69)	4.90 (27.11)
		H	35.47	0.00 (-0.01)	0.02 (0.05)	0.45 (1.27)	13.09	-0.33 (-2.52)	-0.32 (-2.44)	-0.09 (-0.72)
H ₂ Po-H ₂ O	ZORA-SO	Po	11168.82	-20.93 (-0.19)	-18.28 (-0.16)	101.35 (0.91)	3138.04	-45.36 (-1.45)	-50.82 (-1.62)	-304.56 (-9.71)
		H _b	37.46	-0.21 (-0.55)	-0.22 (-0.59)	-0.82 (-2.20)	62.41	-1.32 (-2.11)	-1.37 (-2.20)	-4.11 (-6.58)
		H	38.99	0.00 (0.00)	0.02 (0.04)	0.67 (1.71)	64.80	0.25 (0.39)	0.21 (0.32)	-2.05 (-3.17)

Table 4 Reduced indirect spin-spin couplings: isotropic (K_{iso}^{super}) and anisotropic (K_{aniso}^{super}) values (in SI) in H_2X subsystems in H_2X-H_2O ($X = Se, Te, Po$) systems with DC and ZORA-SO Hamiltonians, together with absolute (ΔK) and relative (δK , in percent in parenthesis) property shifts calculated in isolated H_2X molecules ("me") and in H_2X molecules with the presence of H_2O accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively).

Species	Hamiltonian	Nuclei		K_{iso}^{super}	K_{iso}			K_{aniso}^{super}	K_{aniso}		
					FDE(4)	FDE(0)	me		FDE(4)	FDE(0)	me
H_2Se-H_2O	ZORA-SO	H_b	Se	-12.63	1.08 (-8.56)	1.50 (-11.90)	6.58 (-52.12)	130.61	-2.01 (-1.54)	-1.87 (-1.43)	1.15 (0.88)
		H	Se	-16.41	0.87 (-5.28)	0.92 (-5.59)	1.88 (-11.47)	127.57	-0.24 (-0.19)	-0.31 (-0.25)	-1.03 (-0.81)
		H_b	H	-1.11	-0.03 (2.80)	-0.03 (3.01)	-0.07 (5.94)	-0.83	0.01 (-0.73)	0.01 (-0.79)	0.01 (-1.75)
	DC	H_b	Se	-11.22	1.52 (-13.52)	2.17 (-19.35)	7.25 (-64.63)	113.79	-1.23 (-1.08)	-1.14 (-1.00)	1.25 (1.10)
		H	Se	-16.04	0.07 (-0.42)	0.16 (-0.98)	1.51 (-9.43)	110.68	-0.33 (-0.30)	-0.42 (-0.38)	-1.01 (-0.91)
		H_b	H	-0.77	0.00 (-0.40)	0.00 (-0.10)	-0.02 (3.11)	0.89	0.00 (-0.43)	0.00 (-0.51)	-0.01 (-1.27)
	ZORA-SO	H_b	Te	-55.69	1.84 (-3.31)	2.26 (-4.05)	9.82 (-17.62)	226.45	-1.00 (-0.44)	-0.57 (-0.25)	8.95 (3.95)
		H	Te	-64.05	-0.02 (0.03)	0.06 (-0.09)	1.44 (-2.24)	214.87	-0.52 (-0.24)	-0.64 (-0.30)	-2.61 (-1.22)
		H_b	H	-0.94	-0.02 (2.47)	-0.03 (2.72)	-0.06 (6.50)	-0.34	0.00 (0.30)	0.00 (0.15)	0.00 (-1.04)
H_2Te-H_2O	DC	H_b	Te	-53.11	1.69 (-3.18)	2.24 (-4.22)	9.08 (-17.10)	208.54	-0.42 (-0.20)	-0.01 (-0.01)	8.07 (3.87)
		H	Te	-59.98	0.16 (-0.27)	0.27 (-0.45)	2.18 (-3.64)	198.09	-0.44 (-0.22)	-0.57 (-0.29)	-2.37 (-1.20)
		H_b	H	-0.75	0.00 (-0.01)	0.00 (0.23)	-0.03 (3.74)	0.42	0.00 (-0.21)	0.00 (-0.21)	0.00 (0.41)
	ZORA-SO	H_b	Po	-439.33	1.02 (-0.23)	0.98 (-0.22)	-0.87 (0.20)	343.71	1.40 (0.41)	2.15 (0.63)	666.43 (193.89)
		H	Po	-435.42	0.40 (-0.09)	0.48 (-0.11)	4.12 (-0.95)	-315.34	0.98 (-0.31)	1.12 (-0.35)	7.19 (-2.28)
		H_b	H	-0.80	-0.02 (2.81)	-0.02 (2.93)	-0.07 (8.42)	0.78	0.00 (0.28)	0.00 (0.47)	0.08 (10.45)
	DC	H_b	Po	-442.55	1.37 (-0.31)	1.41 (-0.32)	-1.25 (0.28)	429.17	3.10 (0.72)	4.18 (0.97)	41.96 (9.78)
		H	Po	-437.24	0.45 (-0.10)	0.57 (-0.13)	5.04 (-1.15)	388.29	-0.18 (-0.05)	-0.15 (-0.04)	2.24 (0.58)
		H_b	H	-0.61	0.00 (-0.31)	0.00 (-0.15)	-0.04 (6.02)	0.69	0.00 (-0.19)	0.00 (0.07)	1.32 (191.46)

Table 5 Absolute SO-ZORA isotropic and anisotropic shielding values ($\sigma_{\text{iso}}^{\text{super}}$ and $\sigma_{\text{aniso}}^{\text{super}}$, in ppm) of nuclei in H_2X (X = Se, Te, Po) subsystems in $\text{H}_2\text{X}-\text{H}_2\text{O}$, and absolute shifts ($\Delta\sigma$, in ppm) for the isolated (“ME”) and embedded (“FDE(4)”) H_2X molecules in the presence of H_2O calculated with three different basis sets in the ADF software.

Atom	Basis set	$\sigma_{\text{iso}}^{\text{super}}$	$\Delta\sigma_{\text{iso}}^{\text{FDE(4)}}$	$\Delta\sigma_{\text{iso}}^{\text{ME}}$	$\sigma_{\text{aniso}}^{\text{super}}$	$\Delta\sigma_{\text{aniso}}^{\text{FDE(4)}}$	$\Delta\sigma_{\text{aniso}}^{\text{ME}}$
Se	TZP	2265.90	−9.87	35.75	621.50	1.89	3.04
	TZ2P	2261.59	−11.30	34.89	628.15	4.43	4.89
	QZ4P	2280.66	−12.04	38.90	615.07	−0.34	−0.19
H_b	TZP	30.24	−0.78	−2.09	24.08	5.83	7.22
	TZ2P	30.10	−0.77	−2.07	23.95	5.83	7.22
	QZ4P	30.09	−0.74	−2.06	23.77	5.76	7.13
H	TZP	32.72	−0.02	0.37	17.07	−0.25	0.08
	TZ2P	32.55	−0.03	0.35	16.97	−0.24	0.11
	QZ4P	32.57	−0.01	0.40	16.84	−0.29	0.07
Te	TZP	4256.56	−10.53	67.59	1215.68	0.77	1.76
	TZ2P	4251.23	−9.61	64.66	1219.57	0.55	0.80
	QZ4P	4270.26	−11.39	68.87	1239.64	−1.70	1.16
H_b	TZP	33.33	−0.41	−1.61	18.75	3.93	5.17
	TZ2P	33.43	−0.46	−1.59	18.09	3.87	4.90
	QZ4P	33.47	−0.45	−1.65	17.85	3.84	4.89
H	TZP	35.41	0.01	0.47	13.55	−0.32	−0.03
	TZ2P	35.47	0.00	0.45	13.09	−0.33	−0.09
	QZ4P	35.60	−0.01	0.48	12.87	−0.35	−0.09
Po	TZP	11160.06	−18.50	109.87	3216.05	−37.81	−311.11
	TZ2P	11168.82	−20.93	101.35	3138.04	−45.36	−304.56
	QZ4P	11800.79	−9.72	132.69	4513.02	−12.75	−365.17
H_b	TZP	37.38	−0.14	−0.80	60.83	−0.97	−4.16
	TZ2P	37.46	−0.21	−0.82	62.41	−1.32	−4.11
	QZ4P	37.11	−0.20	−0.84	65.70	−1.43	−4.46
H	TZP	38.88	0.01	0.68	63.36	0.31	−1.98
	TZ2P	38.99	0.00	0.67	64.80	0.25	−2.05
	QZ4P	38.74	0.00	0.76	68.14	0.13	−2.38

Table 6 SO-ZORA isotropic and anisotropic reduced indirect spin-spin couplings ($K_{\text{iso}}^{\text{super}}$ and $K_{\text{aniso}}^{\text{super}}$, in SI) for the H_2X subsystem in $\text{H}_2\text{X}-\text{H}_2\text{O}$, and absolute shifts (ΔK , in SI) for the isolated (“ME”) and embedded (“FDE(4)”) H_2X molecules in the presence of H_2O calculated with three different basis sets in the ADF software..

Nuclei		Basis set	$K_{\text{iso}}^{\text{super}}$	$\Delta K_{\text{iso}}^{\text{FDE(4)}}$	$\Delta K_{\text{iso}}^{\text{ME}}$	$K_{\text{aniso}}^{\text{super}}$	$\Delta K_{\text{aniso}}^{\text{FDE(4)}}$	$\Delta K_{\text{aniso}}^{\text{ME}}$
H_b	Se	TZP	−11.35	1.18	6.84	127.51	−1.95	0.96
		TZ2P	−12.63	1.08	6.58	130.61	−2.01	1.15
		QZ4P	−15.38	2.40	8.45	132.31	−1.72	1.62
H	Se	TZP	−15.54	0.71	1.72	124.67	−0.35	−1.02
		TZ2P	−16.41	0.87	1.88	127.57	−0.24	−1.03
		QZ4P	−21.18	0.08	1.64	128.66	−0.31	−1.07
H_b	H	TZP	−0.89	−0.01	−0.05	0.50	0.00	0.00
		TZ2P	−1.11	−0.03	−0.07	0.51	0.01	−0.01
		QZ4P	−1.00	0.03	−0.01	0.89	0.00	−0.01
H_b	Te	TZP	−52.34	0.29	8.84	219.59	−0.70	8.58
		TZ2P	−55.69	1.84	9.82	226.45	−1.00	8.95
		QZ4P	−63.84	2.20	11.03	236.34	−0.37	9.40
H	Te	TZP	−59.63	0.23	1.53	208.62	−0.46	−2.37
		TZ2P	−64.05	−0.02	1.44	214.87	−0.53	−2.61
		QZ4P	−72.53	0.11	2.32	224.22	−0.50	−2.71
H_b	H	TZP	−0.95	−0.01	−0.05	0.40	0.00	−0.01
		TZ2P	−0.94	−0.02	−0.06	0.20	0.00	0.00
		QZ4P	−0.99	0.01	−0.03	0.34	0.01	0.01
H_b	Po	TZP	−425.78	−1.41	−2.34	337.14	0.24	33.59
		TZ2P	−439.33	1.02	−0.87	343.72	1.40	34.68
		QZ4P	−501.00	0.84	−2.12	454.11	3.39	47.78
H	Po	TZP	−420.47	0.78	4.07	303.25	−0.48	0.81
		TZ2P	−435.41	0.40	4.12	308.77	−0.49	0.87
		QZ4P	−493.97	0.43	6.12	407.17	−0.30	2.29
H_b	H	TZP	−0.78	−0.01	−0.06	0.74	0.00	0.08
		TZ2P	−0.80	−0.02	−0.07	0.78	0.00	0.08
		QZ4P	−0.83	−0.01	−0.05	0.85	0.01	0.09

Table 7 Isotropic ξ_{iso} magnetizability values (in SI units) calculated for H_2X-H_2O ($X = Se, Te, Po$) systems, for H_2X and H_2O subsystems (and their sums) treated as isolated species ("me") and with environmental effects accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively) with various FDE approximations: 0, v , $v + w_u$, $v + w_u + w_c$ (explanations in text). The absolute property shifts, $\Delta\xi_{iso}$, (in SI units), and the relative property shifts, $\delta\xi_{iso}$, (in percent in parenthesis), are calculated as differences between the value for supermolecule and the sum of magnetizability values for each subsystem.

Species	Hamiltonian	system	ξ_{iso}^{super}	$\xi_{iso}^{FDE(4)}$				$\xi_{iso}^{FDE(0)}$				ξ_{me}
				0	v	v+w11	v+w11+w12	0	v	v+w11	v+w11+w12	
H ₂ Se-H ₂ O	DC	SeH ₂	–	-183.07	-608.99	-606.54	-606.54	-254.81	-608.60	-606.14	-606.21	-602.19
		H ₂ O	–	781.33	-233.79	-233.78	-233.76	168.35	-233.95	-233.95	-233.39	-234.19
		sum	-836.26	598.26	-842.77	-840.32	-840.30	-86.46	-842.55	-840.08	-839.60	-836.31
		$\Delta\xi_{iso}(\delta\xi_{iso})$	0.0	-1434.52 (171.54)	6.51 (-0.78)	4.06 (-0.49)	4.04 (-0.48)	-749.80 (89.66)	6.29 (-0.75)	3.82 (-0.46)	3.34 (-0.40)	0.05 (-0.01)
H ₂ Te-H ₂ O	DC	TeH ₂	–	-630.07	-858.94	-848.68	-848.74	-656.71	-858.64	-848.32	-848.38	-842.57
		H ₂ O	–	235.10	-233.74	-233.74	-233.60	-105.38	-233.85	-233.85	-234.28	-233.83
		sum	-1080.67	-394.97	-1092.69	-1082.42	-1082.33	-762.08	-1092.49	-1082.17	-1082.66	-1076.39
		$\Delta\xi_{iso}(\delta\xi_{iso})$	0.0	-685.71 (63.45)	12.01 (-1.11)	1.74 (-0.16)	1.66 (-0.15)	-318.59 (29.48)	11.82 (-1.09)	1.49 (-0.14)	1.99 (-0.18)	-4.28 (0.40)
H ₂ Po-H ₂ O	DC	PoH ₂	–	-895.55	-1030.19	-949.80	-949.71	-903.29	-1030.07	-949.56	-949.45	-940.09
		H ₂ O	–	-169.52	-234.11	-234.10	-233.18	-230.95	-234.16	-234.15	-233.32	-234.02
		sum	-1184.04	-1065.08	-1264.30	-1183.91	-1182.89	-1134.24	-1264.22	-1183.71	-1182.78	-1174.11
		$\Delta\xi_{iso}(\delta\xi_{iso})$	0.0	-118.96 (10.05)	80.26 (-6.78)	-0.13 (0.01)	-1.15 (0.10)	-49.80 (4.21)	80.19 (-6.77)	-0.33 (0.03)	-1.26 (0.11)	-9.92 (0.84)

Table 8 First anisotropic ξ_{aniso1} magnetizability values (in SI units) calculated for $\text{H}_2\text{X}-\text{H}_2\text{O}$ ($\text{X} = \text{Se}, \text{Te}, \text{Po}$) systems, for H_2X and H_2O subsystems (and their sums) treated as isolated species ("me") and with environmental effects accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively) with various FDE approximations: 0, v , $v + w_H$, $v + w_H + w_C$ (explanations in text). The absolute property shifts, $\Delta\xi_{\text{aniso1}}$, (in SI units), and the relative property shifts, $\delta\xi_{\text{aniso1}}$, (in percent in parenthesis), are calculated as differences between the value for supermolecule and the sum of magnetizability values for each subsystem.

[illegible]

Table 9 Second anisotropic $\xi_{\text{anis}o2}$ magnetizability values (in SI units) calculated for $\text{H}_2\text{X}-\text{H}_2\text{O}$ ($\text{X} = \text{Se}, \text{Te}, \text{Po}$) systems, for H_2X and H_2O subsystems (and their sums) treated as isolated species ("me") and with environmental effects accounted for by FDE with unrelaxed and relaxed densities ("FDE(0)" and "FDE(4)", respectively) with various FDE approximations: 0, v , $v + w_u$, $v + w_u + w_c$ (explanations in text). The absolute property shifts, $\Delta\xi_{\text{anis}o2}$, (in SI units), and the relative property shifts, $\delta\xi_{\text{anis}o2}$, (in percent in parenthesis), are calculated as differences between the value for supermolecule and the sum of magnetizability values for each subsystem.

[illegible]