

1 **Supplemental tables:**

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3 Table S1a: Change in concentration of assayed toxicants after exposure to ReadyRescue (RR) activated charcoal product in an acidic  
 4 environment. Values for roquefortine are extrapolated from observed signal intensities but are technically below the reporting limit  
 5 of the assay (0.01 µg/mL).

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	1921	60.88	0.05	0.006	163000	3.484	4.0637	2600	150	2370
30 min	32	1.18	0.127	<0.005	140000	4.872	5.6094	1200	80	355
60 min	6.8	0.12	0.163	<0.005	75100	7.353	7.3645	990	64	400
240 min	2	0.24	0.087	<0.005	89600	12.36	9.9985	750	40	1792

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8 Table S1b: Change in concentration of assayed toxicants after exposure to ReadyRescue (RR) activated charcoal product in a neutral  
 9 pH environment.

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	7087	93.86	1.016	0.01	164000	5.46	2.9554	2600	140	12780
30 min	256	35.17	0.479	<0.005	179000	9.403	10.9055	1400	93	10610
60 min	69	15.32	0.694	<0.005	42500	8.878	11.9575	1200	77	11870
240 min	4	0.28	0.423	<0.005	82600	16.59	13.5831	760	38	8260

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13 Table S2a: Change in concentration of assayed toxicants after exposure to pure activated charcoal (pAC) in an acidic environment.

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	3496	67.43	0.05	0.008	66300		4.0907	2600	160	3810
30 min	0.85	0	0.064	<0.005	85200	10.32	10.0238	130	13	281
60 min	0.6	0	0.05	<0.005	174000	12.49	6.0065	110	12	175
240 min	0.44	0	0.142	<0.005	12800	9.393	5.8709	100	11	131

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16 Table S2b: Change in concentration of assayed toxicants after exposure to pure activated charcoal (pAC) in a neutral pH  
17 environment.

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	6065	50.04	0.18	0.005	181000	7.971	3.2525	2800	210	27700
30 min	0.12	0	0.848	<0.005	114000	8.007	8.3443	150	15	4000
60 min	0.12	0	0.265	<0.005	166000	7.987	10.4112	120	12	4480
240 min	0.33	0	0.11	<0.005	231000	6.034	9.7128	110	11	6440

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25 Table S3a: Change in concentration of assayed toxicants after exposure to Toxiban (Tox) activated charcoal product in an acidic pH  
 26 environment.

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	2285	69.71	0.2	0.021	56200	0.41	3.4052	2200	140	19210
30 min	1.66	0	0.34	<0.005	144000	1.016	1.2871	120	11	148
60 min	0.32	0	0.169	<0.005	80900	1.987	1.1812	260	14	145
240 min	0.22	0	0.277	<0.005	90800	5.065	1.2225	360	17	1149

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30 Table S3b: Change in concentration of assayed toxicants after exposure to Toxiban (Tox) activated charcoal product in a neutral pH  
 31 environment.

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Time	Toxicant									
	Naproxen (µg/mL)	Ivermectin (µg/mL)	Bromethalin (µg/mL)	Roquefortine (µg/mL)	Ethylene Glycol (µg/mL)	Xylitol (µg/mL)	Tartaric Acid (µg/mL)	Theobromine (µg/mL)	Caffeine (µg/mL)	Delta-9 THC (ng/mL)
0 min	6152	53.29	0.099	0.005	69800	1.271	3.1865	2100	130	33900
30 min	3.1	0.39	0.188	<0.005	92300	3.777	1.953	200	13	42
60 min	1	0.08	1.9785	<0.005	95700	5.763	3.3043	340	17	10
240 min	2.3	0.06	0.58	0	99700	8.42	1.9919	360	18	1017

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