

## Scentroid Airborne Metals Sensor List - Technical Information

#	Chemical	Formula	Manufacturer LOD (ppm)	Minimum Detection @ lens (ug)	Minimum Detection Threshold in air (ug/m <sup>3</sup> ) [For 1 hour sample]	Direct Measurement
1	Aluminum	Al	340	355.16	150.045	No
2	Antimony	Sb	2	2.09	0.883	Yes
3	Arsenic	As	1	1.04	0.441	Yes
4	Barium	Ba	11	11.49	4.854	Yes
5	Bismuth	Bi	2	2.09	0.883	Yes
6	Cadmium	Cd	3	3.13	1.324	Yes
7	Calcium	Ca	35	36.56	15.446	Yes
8	Cerium	Ce	50	52.23	22.065	Yes
9	Chlorine	Cl	4	4.18	1.765	Yes
10	Chromium	Cr	13	13.58	5.737	Yes
11	Cobalt	Co	2	2.09	0.883	Yes
12	Copper	Cu	4	4.18	1.765	Yes
13	Gold	Au	2	2.09	0.883	No
14	Iron	Fe	16	16.71	7.061	Yes
15	Lanthanum	La	29	30.29	12.798	Yes
16	Lead	Pb	2	2.09	0.883	Yes
17	Magnesium	Mg	4900	5118.44	2162.416	No
18	Manganese	Mn	10	10.45	4.413	Yes
19	Mercury	Hg	2	2.09	0.883	Yes
20	Molybdenum	Mo	1	1.04	0.441	Yes
21	Neodymium	Nd	85	88.79	37.511	Yes
22	Nickel	Ni	5	5.22	2.207	Yes
23	Niobium	Nb	1	1.04	0.441	Yes
24	Phosphorus	P	30	31.34	13.239	Yes
25	Praseodymium	Pr	45	47.01	19.859	Yes
26	Rubidium	Rb	1	1.04	0.441	Yes
27	Selenium	Se	1	1.04	0.441	Yes
28	Silicon	Si	300	313.37	132.393	No

29	Silver	Ag	3	3.13	1.324	Yes
30	Strontium	Sr	1	1.04	0.441	Yes
31	Sulfur	S	25	26.11	11.033	Yes
32	Tantalum	Ta	3	3.13	1.324	Yes
33	Thorium	Th	2	2.09	0.883	Yes
34	Tin	Sn	3	3.13	1.324	Yes
35	Titanium	Ti	45	47.01	19.859	Yes
36	Tungsten	W	1	1.04	0.441	Yes
37	Uranium	U	1	1.04	0.441	Yes
38	Vanadium	V	9	9.4	3.972	Yes
39	Yttrium	Y	1	1.04	0.441	Yes
40	Zinc	Zn	2	2.09	0.883	Yes
41	Zirconium	Zr	1	1.04	0.441	Yes