

098984 - Finalized

{UNI - Fortis United Pty Ltd"

f SAMPLES : 36

09-14 DATE FINALIZED : 2009-09-24

CT : "COOEE HILL"

>ATE COMMENTS : ""

NUMBER : "F001"

| | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE | Ag_ppb | As_ppb | Au_ppb | Ba_ppb | Be_ppb | Bi_ppb | Br_ppm |
| UCHS028 | 1.6 | <2 | 0.18 | 900 | 0.7 | <3 | 0.21 |
| UCHS030 | 2.2 | <2 | 0.29 | 1000 | 0.4 | <3 | 0.15 |
| UCHS032 | 2.4 | <2 | 0.51 | 4140 | 0.3 | <3 | 0.17 |
| UCHS034 | 2.2 | <2 | 0.32 | 1780 | 0.6 | <3 | 0.21 |
| UCHS036 | 2.4 | <2 | 0.35 | 2570 | 0.7 | <3 | 0.35 |
| UCHS038 | 1.9 | <2 | 0.28 | 4720 | 0.3 | <3 | 0.27 |
| UCHS040 | 2.3 | <2 | 0.32 | 3970 | 0.2 | <3 | 0.15 |
| UCHS042 | 2.1 | <2 | 0.27 | 2290 | 0.5 | <3 | 0.28 |
| UCHS044 | 1.6 | <2 | 0.27 | 1420 | 0.3 | <3 | 0.15 |
| UCHS046 | 1.2 | 2 | 0.12 | 640 | 1.6 | <3 | 0.18 |
| UCHS048 | 1.1 | 5 | 0.1 | 540 | 1.7 | <3 | 0.26 |
| UCHS050 | 1.3 | 6 | 0.12 | 290 | 5.4 | <3 | 0.18 |
| UCHS052 | 1.1 | 2 | 0.14 | 350 | 0.5 | <3 | 0.14 |
| UCHS054 | 1.2 | <2 | 0.09 | 580 | 0.6 | <3 | 0.16 |
| UCHS056 | 1.1 | 3 | 0.11 | 500 | 0.3 | <3 | 0.17 |
| UCHS058 | 0.9 | 3 | 0.07 | 480 | 1.3 | <3 | 0.16 |
| UCHS060 | 0.8 | 2 | 0.06 | 170 | 0.7 | <3 | 0.15 |
| UCHS062 | 1.1 | 2 | 0.14 | 250 | 0.4 | <3 | 0.14 |
| UCHS064 | 1.6 | <2 | 0.09 | 530 | 0.3 | <3 | 0.09 |
| UCHS065 | 1.5 | <2 | 0.14 | 320 | <0.2 | <3 | 0.07 |
| UCHS066 | 0.9 | 5 | 0.15 | 360 | 1 | <3 | 0.22 |
| UCHS067 | 1.1 | 2 | 0.16 | 530 | 0.8 | <3 | 0.22 |
| UCHS068 | 0.9 | <2 | 0.08 | 400 | 0.7 | <3 | 0.14 |
| UCHS069 | 0.9 | 2 | 0.08 | 370 | 1.3 | <3 | 0.14 |
| UCHS076 | 1 | 4 | 0.08 | 390 | 0.7 | <3 | 0.24 |
| UCHS078 | 1.3 | 6 | 0.16 | 230 | 0.8 | <3 | 0.25 |
| UCHS080 | 0.9 | 3 | 0.08 | 290 | 2.4 | <3 | 0.2 |
| UCHS082 | 1 | <2 | 0.11 | 410 | <0.2 | <3 | 0.11 |
| UCHS084 | 0.9 | <2 | 0.08 | 1140 | 0.3 | <3 | 0.14 |
| UCHS086 | 1.6 | <2 | 0.11 | 1000 | 0.2 | <3 | 0.14 |
| UCHS088 | 0.9 | <2 | 0.12 | 280 | <0.2 | <3 | 0.09 |
| UCHS090 | 2.8 | <2 | 0.38 | 1420 | 0.5 | <3 | 0.24 |
| UCHS092 | 1.5 | <2 | 0.06 | 550 | 1.8 | <3 | 0.14 |
| UCHS094 | 0.9 | <2 | 0.08 | 300 | 0.8 | <3 | 0.13 |
| UCHS096 | 1.6 | <2 | 0.19 | 400 | 0.2 | <3 | 0.18 |
| UCHS098 | 2 | <2 | 0.12 | 610 | 0.4 | <3 | 0.12 |

| ME-MS23 Ca_ppm | ME-MS23 Cd_ppb | ME-MS23 Ce_ppb | ME-MS23 Co_ppb | ME-MS23 Cr_ppb | ME-MS23 Cs_ppb | ME-MS23 Cu_ppb | ME-MS23 Dy_ppb |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 83 | <1 | 889 | 162.5 | 9 | 64.4 | 1500 | 175.5 |
| 204 | <1 | 518 | 248 | 5 | 59.4 | 1960 | 121.5 |
| 243 | <1 | 232 | 181 | 3 | 61.2 | 1420 | 59.2 |
| 112.5 | 1 | 2390 | 266 | 16 | 73.9 | 1770 | 461 |
| 123 | <1 | 1800 | 186 | 17 | 69.9 | 1540 | 399 |
| 185 | <1 | 1340 | 87.7 | 8 | 51.7 | 1490 | 273 |
| 269 | <1 | 228 | 149.5 | 1 | 53.8 | 1540 | 71.6 |
| 138.5 | <1 | 1230 | 216 | 10 | 73.6 | 1430 | 285 |
| 250 | 1 | 453 | 225 | 5 | 49.6 | 1840 | 83.5 |
| 155 | 1 | 1860 | 182.5 | 50 | 49.3 | 1350 | 153.5 |
| 115 | 1 | 1235 | 234 | 64 | 24 | 434 | 118 |
| 93.8 | 1 | 3250 | 179.5 | 104 | 43 | 1800 | 311 |
| 166.5 | 1 | 816 | 198.5 | 19 | 27.6 | 1200 | 99 |
| 230 | 1 | 166.5 | 312 | 13 | 35.1 | 1580 | 102.5 |
| 217 | 1 | 222 | 387 | 13 | 26.6 | 1250 | 72.1 |
| 123 | 1 | 1315 | 130 | 28 | 14.5 | 789 | 114.5 |
| 151.5 | 1 | 609 | 130.5 | 26 | 16.2 | 680 | 69.7 |
| 135 | 1 | 1145 | 152.5 | 23 | 23.6 | 1270 | 151 |
| 178.5 | 1 | 195.5 | 131.5 | 8 | 20.5 | 1520 | 66.6 |
| 307 | 1 | 46.7 | 116.5 | 2 | 20.7 | 1920 | 23.9 |
| 139 | 1 | 1585 | 238 | 46 | 22.1 | 1160 | 202 |
| 126.5 | 1 | 1315 | 332 | 37 | 26.7 | 774 | 161.5 |
| 170 | 2 | 716 | 370 | 10 | 18 | 1510 | 156 |
| 100 | 1 | 2200 | 138.5 | 19 | 19 | 759 | 211 |
| 190 | 1 | 653 | 175 | 24 | 18 | 480 | 116 |
| 72.6 | <1 | 2090 | 25.3 | 54 | 24 | 1210 | 286 |
| 132 | 1 | 2000 | 227 | 44 | 26.1 | 788 | 212 |
| 155 | 1 | 613 | 141.5 | 6 | 24.5 | 1550 | 106 |
| 169 | 1 | 410 | 164 | 10 | 23 | 1640 | 104 |
| 313 | 2 | 144.5 | 236 | 3 | 19.1 | 1430 | 92.7 |
| 132.5 | 1 | 195.5 | 152 | 3 | 28.7 | 1460 | 89.6 |
| 241 | <1 | 548 | 70.8 | 6 | 50.3 | 1570 | 190.5 |
| 99.6 | 1 | 2850 | 96.6 | 46 | 29 | 788 | 411 |
| 86.6 | 1 | 1645 | 98.9 | 16 | 26.3 | 1690 | 206 |
| 233 | 1 | 147.5 | 180.5 | 7 | 23.7 | 1920 | 88.7 |
| 220 | 2 | 525 | 182 | 9 | 25.3 | 1900 | 168.5 |

| ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| Er_ppb | Eu_ppb | Fe_ppm | Ga_ppb | Gd_ppb | Ge_ppb | Hf_ppb | Hg_ppb |
| 74.3 | 82.7 | 6.2 | 26.2 | 352 | 5.2 | 2.3 | 0.3 |
| 50.4 | 56.8 | 4.6 | 27.3 | 242 | 3.2 | 1.4 | 0.9 |
| 24.3 | 34.5 | 4.3 | 105 | 138 | 2 | 0.7 | 0.5 |
| 212 | 183 | 10 | 50.9 | 808 | 11.7 | 4.4 | 0.3 |
| 178 | 157.5 | 11 | 67.4 | 656 | 9.3 | 3.4 | 0.5 |
| 116 | 132 | 7 | 119.5 | 565 | 7.2 | 2.2 | 0.1 |
| 28.7 | 38.6 | 4.3 | 99.1 | 163.5 | 2.1 | 0.8 | 0.6 |
| 136 | 115.5 | 7.7 | 59.6 | 503 | 6.7 | 2.6 | 0.1 |
| 35.9 | 42.7 | 6 | 37.6 | 180.5 | 2.4 | 1.2 | 0.9 |
| 64 | 66.2 | 33.5 | 37.9 | 286 | 5.8 | 6.1 | 0.3 |
| 53.5 | 44.8 | 35.7 | 31.8 | 196 | 4.2 | 5.4 | 0.3 |
| 147 | 110.5 | 56.9 | 42.1 | 467 | 9.3 | 10.3 | 0.8 |
| 45 | 43 | 11.1 | 14.1 | 191 | 3 | 3 | 0.7 |
| 45.3 | 39.8 | 9.4 | 19.3 | 174 | 2.2 | 2.3 | 0.6 |
| 33 | 30.2 | 10.8 | 17.2 | 132 | 1.8 | 1.6 | 0.6 |
| 53.3 | 45.8 | 16.9 | 18.7 | 200 | 3.1 | 3.7 | 0.6 |
| 32.8 | 27.9 | 14.6 | 11.8 | 123.5 | 1.9 | 2.3 | 0.7 |
| 69.9 | 60.1 | 15.6 | 14.4 | 266 | 3.8 | 2.6 | 0.6 |
| 29.2 | 30.4 | 5.8 | 15.8 | 133 | 1.8 | 1.2 | 1 |
| 9.3 | 13.6 | 3.5 | 9 | 56.5 | 0.7 | 0.5 | 1.9 |
| 100.5 | 77.2 | 30.2 | 24.2 | 342 | 5.3 | 4.4 | 0.8 |
| 73.9 | 64.1 | 22.9 | 23.2 | 282 | 4.6 | 4.5 | 0.7 |
| 67.5 | 64.3 | 6.2 | 11.3 | 272 | 3.7 | 3.2 | 1.1 |
| 101.5 | 83 | 11.1 | 12.8 | 360 | 5 | 4.4 | 0.7 |
| 54.3 | 39.1 | 19.8 | 16.3 | 169.5 | 2.4 | 3.1 | 0.4 |
| 131.5 | 109 | 33 | 14.2 | 454 | 7.1 | 5.7 | 0.5 |
| 104.5 | 72.1 | 30.1 | 20 | 312 | 4.9 | 5.3 | 1 |
| 47.2 | 45.1 | 4.9 | 11.3 | 202 | 2.7 | 1.3 | 0.9 |
| 45.8 | 42.3 | 6.9 | 29.6 | 182.5 | 2.3 | 1.3 | 0.6 |
| 42 | 35.1 | 4.7 | 25.4 | 154 | 1.3 | 0.9 | 0.9 |
| 36.4 | 46.3 | 2.4 | 7.9 | 194 | 2.8 | 1.3 | 0.9 |
| 80.1 | 83.3 | 6 | 35.5 | 360 | 4.3 | 1.9 | 0.2 |
| 189 | 161 | 30.1 | 18.7 | 681 | 10.2 | 7.4 | 0.1 |
| 90.8 | 95.8 | 9.9 | 12.4 | 392 | 6.2 | 3.9 | 0.6 |
| 40.8 | 31.4 | 5.9 | 12.5 | 142 | 1.6 | 1.1 | 1.3 |
| 79 | 62 | 7.3 | 17.7 | 278 | 3 | 1.7 | 1 |

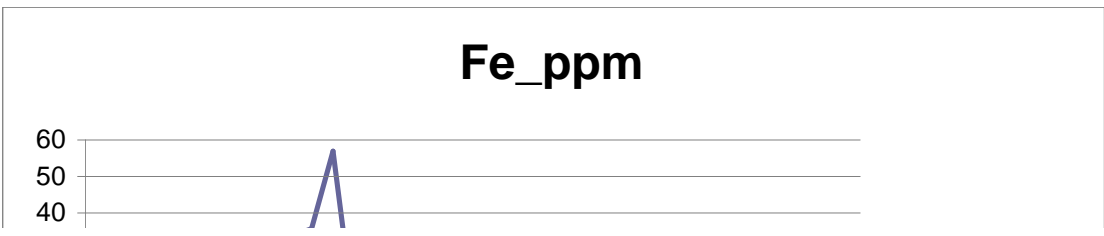
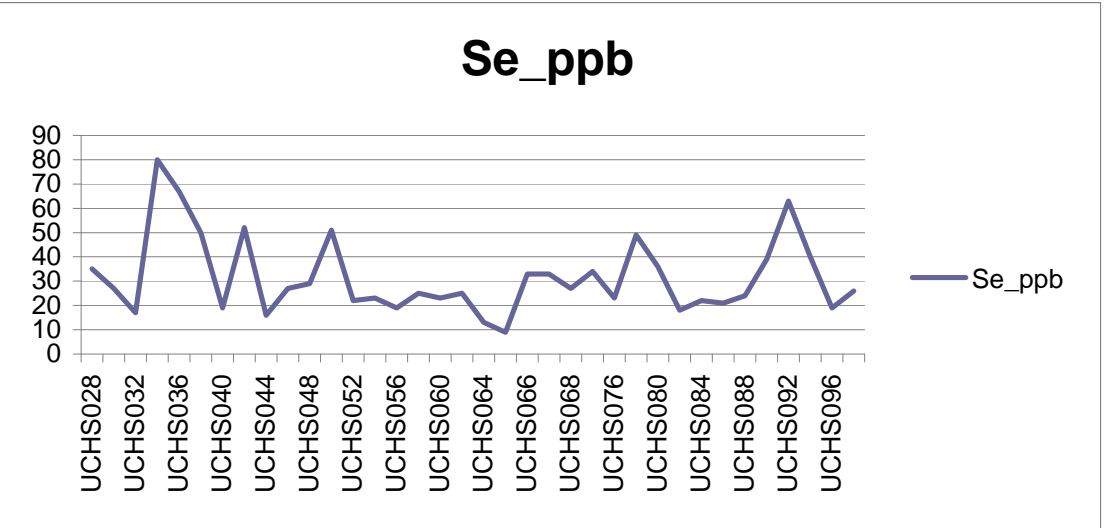
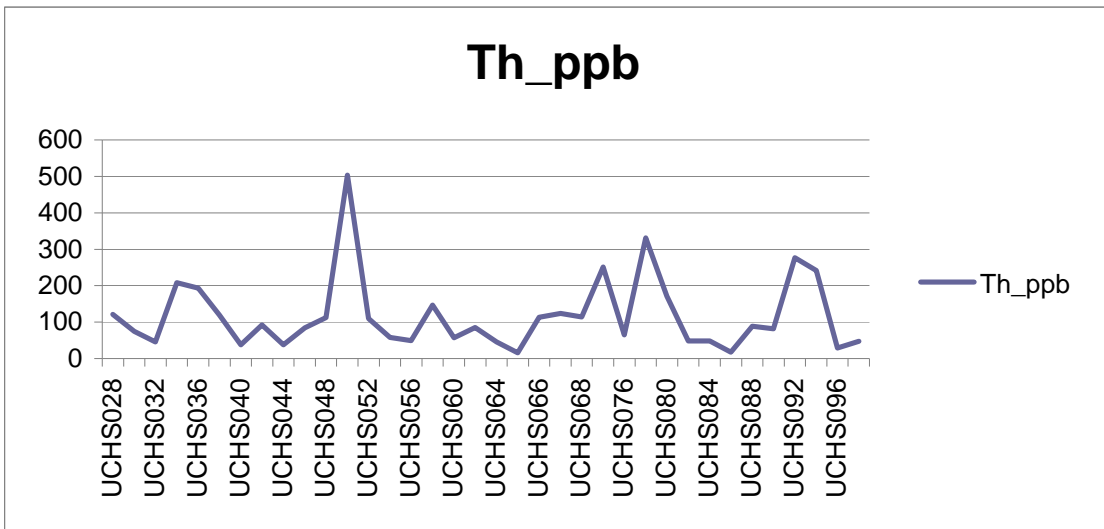
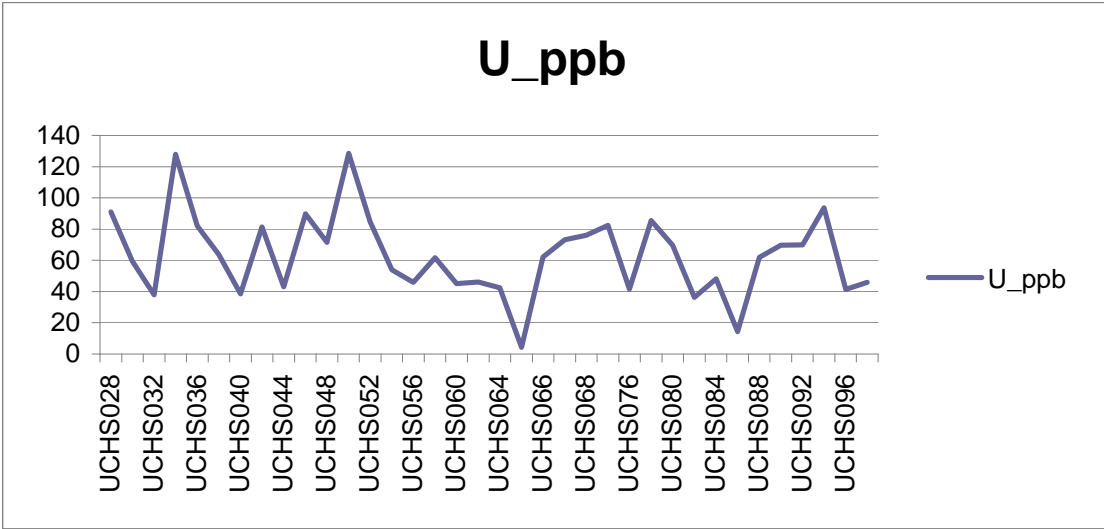
| ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| Ho_ppb | I_ppm | In_ppb | La_ppb | Li_ppb | Lu_ppb | Mg_ppm | Mn_ppm |
| 30.4 | 0.29 | <0.1 | 400 | 4.5 | 6.7 | 23.5 | 2.78 |
| 21.6 | 0.26 | <0.1 | 273 | 1.6 | 4.4 | 33.3 | 3.29 |
| 10.4 | 0.2 | <0.1 | 154 | 1.4 | 2.1 | 33.9 | 1.21 |
| 84.4 | 0.21 | <0.1 | 1030 | 5.5 | 19.3 | 17.1 | 4.83 |
| 73.2 | 0.24 | <0.1 | 769 | 3.6 | 17.6 | 34.4 | 1.78 |
| 48.6 | 0.06 | <0.1 | 604 | 1.8 | 10.1 | 56.1 | 0.67 |
| 12.2 | 0.08 | <0.1 | 162.5 | 1 | 2.4 | 54.8 | 1.15 |
| 54.1 | 0.24 | <0.1 | 584 | 3.1 | 14.2 | 46.9 | 2.41 |
| 14.8 | 0.26 | <0.1 | 216 | 2 | 3.3 | 34.8 | 3.13 |
| 26.8 | 0.24 | 0.1 | 551 | 20.4 | 5.3 | 15.3 | 4.55 |
| 21 | 0.2 | 0.1 | 357 | 13 | 5.2 | 14.95 | 4.34 |
| 56.2 | 0.33 | 0.2 | 843 | 29.8 | 14.4 | 3.65 | 8.78 |
| 17.7 | 0.2 | <0.1 | 296 | 4.1 | 4.2 | 7.02 | 5.24 |
| 18.9 | 0.14 | <0.1 | 167 | 3.8 | 3.9 | 36.4 | 8.34 |
| 13.3 | 0.16 | <0.1 | 145.5 | 3.5 | 2.9 | 20.1 | 7.32 |
| 21 | 0.19 | <0.1 | 283 | 4.8 | 4.9 | 12.2 | 4.58 |
| 13.1 | 0.17 | <0.1 | 181 | 5.5 | 2.9 | 11.5 | 4.98 |
| 27.5 | 0.2 | <0.1 | 322 | 5.8 | 6.5 | 9.38 | 5.57 |
| 11.9 | 0.2 | <0.1 | 160.5 | 1.7 | 2.6 | 13.6 | 3.19 |
| 4 | 0.12 | <0.1 | 62.1 | 0.2 | 0.7 | 6.28 | 2.93 |
| 38.8 | 0.26 | 0.1 | 439 | 12 | 10.2 | 13.5 | 7.01 |
| 29.6 | 0.21 | 0.1 | 412 | 8.1 | 7.1 | 14.2 | 7.48 |
| 27.8 | 0.16 | <0.1 | 356 | 0.7 | 6.1 | 13.75 | 9.27 |
| 39.5 | 0.22 | <0.1 | 578 | 1.8 | 9.5 | 11.6 | 5.81 |
| 21.5 | 0.12 | <0.1 | 221 | 5 | 5.1 | 20.1 | 4.22 |
| 52.2 | 0.16 | 0.1 | 624 | 4.2 | 11.8 | 11.5 | 1.82 |
| 40.1 | 0.17 | 0.1 | 435 | 10.7 | 10.1 | 9.7 | 9.46 |
| 19 | 0.26 | <0.1 | 229 | 0.5 | 4.8 | 11.25 | 4.64 |
| 18.8 | 0.21 | <0.1 | 182.5 | 2.1 | 4.7 | 12.9 | 3.56 |
| 17.6 | 0.17 | <0.1 | 93.7 | 0.7 | 4 | 25.6 | 3.48 |
| 15.2 | 0.14 | <0.1 | 250 | <0.2 | 2.9 | 14.85 | 3.64 |
| 33.6 | 0.19 | <0.1 | 328 | 2.5 | 7.9 | 51.3 | 1.65 |
| 74.3 | 0.04 | <0.1 | 1355 | 4.2 | 15.8 | 10.45 | 6.87 |
| 36.5 | 0.2 | <0.1 | 624 | 3.3 | 8 | 11.45 | 5.11 |
| 16.8 | 0.35 | <0.1 | 115 | 1.2 | 4.3 | 27 | 3.65 |
| 31.9 | 0.24 | <0.1 | 229 | 2.1 | 8.2 | 25 | 4.83 |

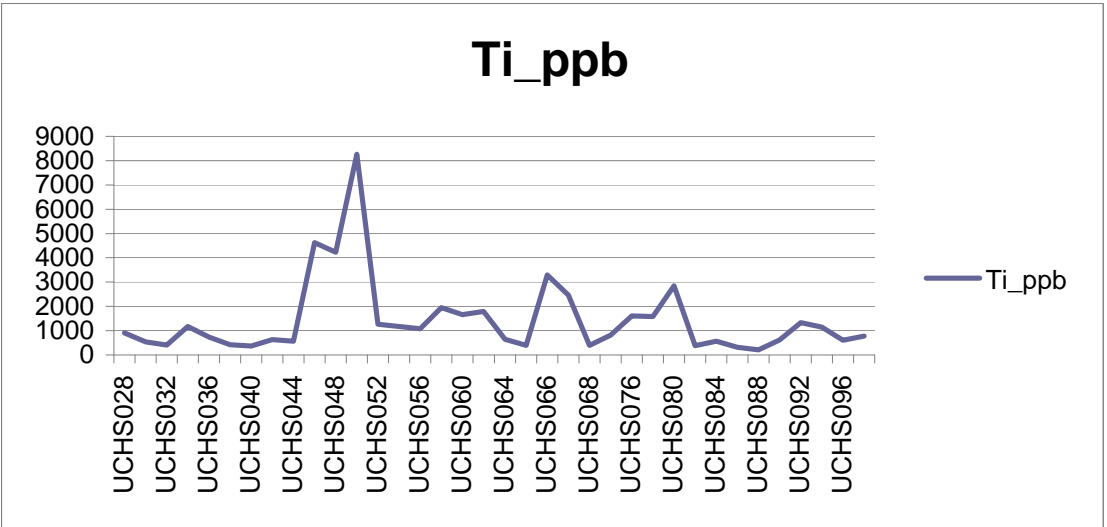
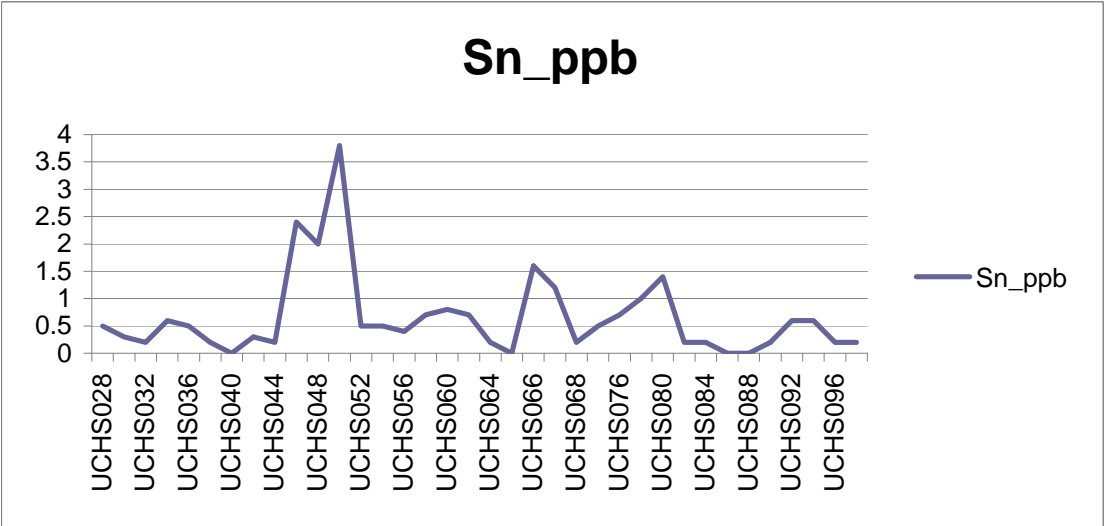
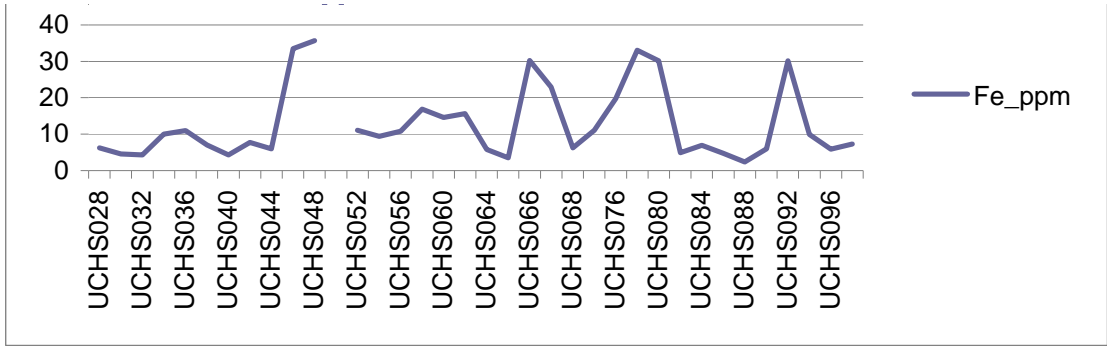
| ME-MS23 Mo_ppb | ME-MS23 Nb_ppb | ME-MS23 Nd_ppb | ME-MS23 Ni_ppb | ME-MS23 Pb_ppb | ME-MS23 Pb 206_ppb | ME-MS23 Pb 207_ppb | ME-MS23 Pb 208_ppb |
|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-----------------------|-----------------------|
| 3.9 | 1.5 | 1455 | 157 | 107 | 29 | 26 | 60 |
| 3.6 | 1.1 | 860 | 296 | 116 | 32 | 27 | 66 |
| 3.2 | 0.7 | 545 | 149 | 90 | 24 | 21 | 51 |
| 2.5 | 2.1 | 3160 | 206 | 384 | 105 | 92 | 217 |
| 2.3 | 1.5 | 2560 | 191 | 351 | 95 | 83 | 200 |
| 1.8 | 0.7 | 2010 | 174 | 257 | 70 | 61 | 146 |
| 2.3 | 0.7 | 576 | 206 | 108 | 29 | 26 | 62 |
| 1.6 | 1.1 | 1845 | 223 | 448 | 123 | 106 | 254 |
| 1.9 | 1 | 653 | 437 | 155 | 42 | 37 | 88 |
| 3.1 | 7.4 | 1245 | 259 | 246 | 67 | 58 | 140 |
| 2.4 | 7 | 850 | 194 | 163 | 44 | 39 | 93 |
| 6.2 | 12.7 | 2080 | 159 | 393 | 107 | 93 | 223 |
| 3.6 | 2.1 | 819 | 255 | 69 | 19 | 16 | 40 |
| 5 | 2.2 | 582 | 428 | 42 | 11 | 10 | 24 |
| 5.1 | 1.7 | 465 | 371 | 79 | 21 | 18 | 45 |
| 3.6 | 3.1 | 824 | 278 | 184 | 50 | 43 | 105 |
| 3 | 2.7 | 481 | 138 | 144 | 39 | 34 | 82 |
| 4.1 | 2.7 | 1035 | 183 | 189 | 52 | 44 | 108 |
| 6.5 | 1.2 | 506 | 181 | 86 | 23 | 20 | 49 |
| 1.8 | 0.6 | 213 | 276 | 6 | 2 | 2 | 4 |
| 4.4 | 5.3 | 1270 | 302 | 277 | 75 | 65 | 158 |
| 4.5 | 4.1 | 1185 | 305 | 159 | 43 | 37 | 91 |
| 4.3 | 0.8 | 1105 | 507 | 58 | 16 | 14 | 33 |
| 3.9 | 1.3 | 1545 | 211 | 185 | 50 | 44 | 105 |
| 1.9 | 2.5 | 623 | 186 | 139 | 37 | 32 | 80 |
| 1.9 | 2.8 | 1915 | 132 | 280 | 76 | 66 | 160 |
| 2.5 | 4.4 | 1250 | 287 | 440 | 119 | 104 | 251 |
| 5.3 | 0.6 | 765 | 278 | 123 | 33 | 29 | 70 |
| 5.2 | 1 | 651 | 468 | 164 | 44 | 39 | 95 |
| 2.1 | 0.4 | 390 | 629 | 155 | 42 | 36 | 89 |
| 6.6 | 0.4 | 844 | 190 | 30 | 8 | 7 | 17 |
| 3.9 | 1 | 1230 | 251 | 194 | 52 | 46 | 110 |
| 2.9 | 2 | 2960 | 266 | 216 | 59 | 51 | 122 |
| 5.4 | 1.7 | 1830 | 182 | 74 | 20 | 18 | 42 |
| 4.9 | 0.9 | 414 | 317 | 148 | 40 | 35 | 85 |
| 4.6 | 1.1 | 866 | 564 | 230 | 62 | 55 | 132 |

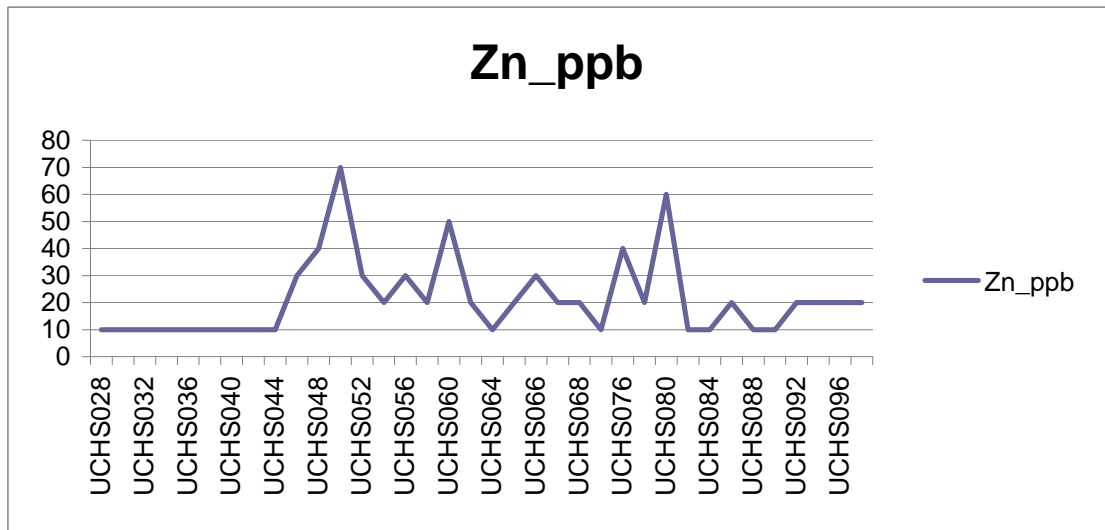
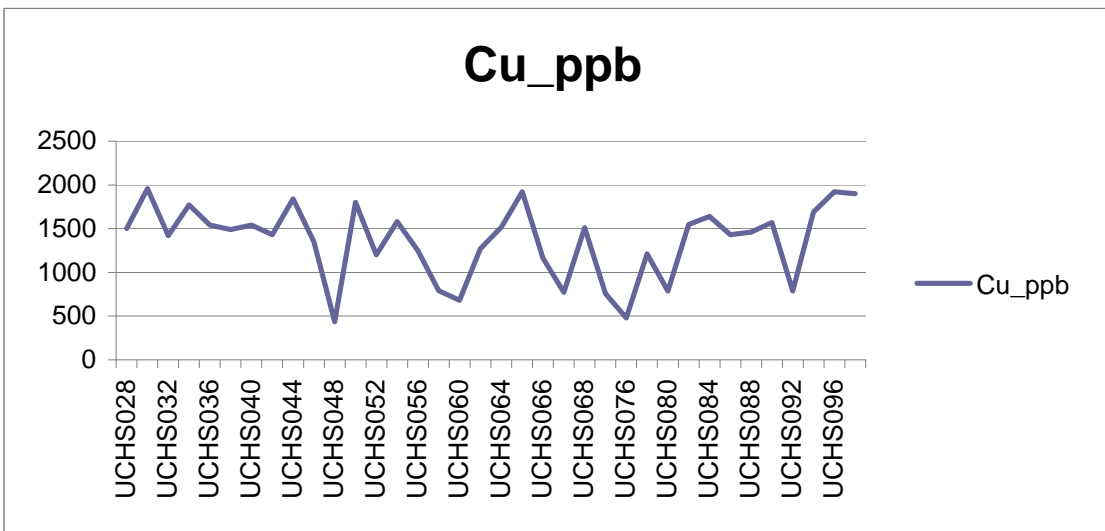
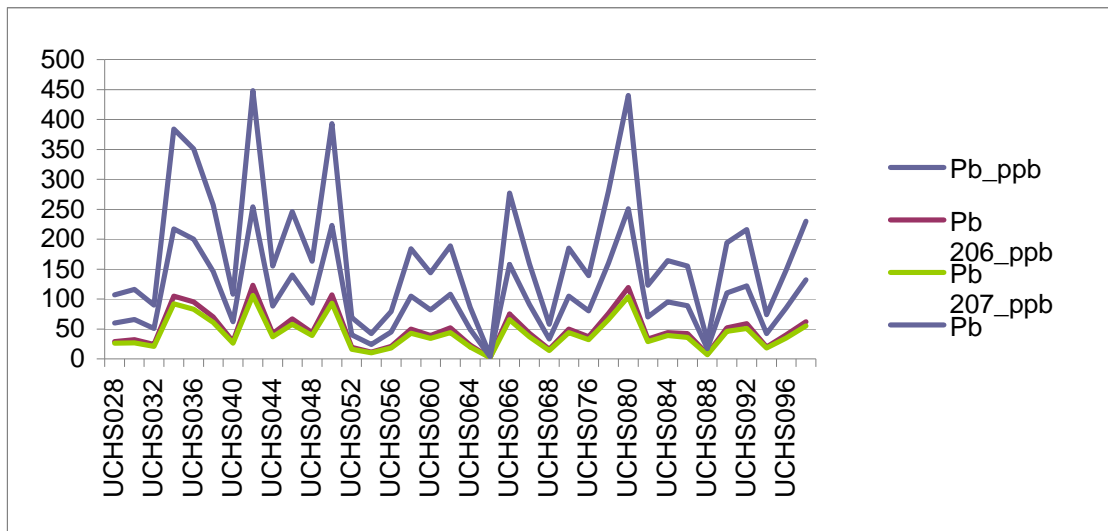
| ME-MS23 Pd_ppb | ME-MS23 Pr_ppb | ME-MS23 Rb_ppb | ME-MS23 Re_ppb | ME-MS23 Sb_ppb | ME-MS23 Se_ppb | ME-MS23 Sm_ppb | ME-MS23 Sn_ppb |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 4.3 | 230 | 256 | <0.1 | <0.5 | 35 | 350 | 0.5 |
| 3.1 | 129 | 350 | <0.1 | <0.5 | 27 | 233 | 0.3 |
| 1.7 | 77.2 | 248 | <0.1 | <0.5 | 17 | 144.5 | 0.2 |
| 11 | 525 | 281 | <0.1 | <0.5 | 80 | 774 | 0.6 |
| 8.9 | 398 | 308 | <0.1 | <0.5 | 67 | 661 | 0.5 |
| 6.4 | 306 | 233 | <0.1 | <0.5 | 50 | 538 | 0.2 |
| 2 | 82 | 402 | <0.1 | <0.5 | 19 | 154.5 | <0.2 |
| 6.9 | 282 | 375 | <0.1 | <0.5 | 52 | 490 | 0.3 |
| 2.5 | 98.9 | 551 | <0.1 | <0.5 | 16 | 175 | 0.2 |
| 7.8 | 222 | 528 | <0.1 | <0.5 | 27 | 291 | 2.4 |
| 6.9 | 154.5 | 350 | <0.1 | <0.5 | 29 | 199 | 2 |
| 12.8 | 382 | 599 | <0.1 | <0.5 | 51 | 485 | 3.8 |
| 4.3 | 139 | 491 | <0.1 | <0.5 | 22 | 189.5 | 0.5 |
| 3.4 | 84.7 | 1115 | <0.1 | <0.5 | 23 | 164 | 0.5 |
| 3 | 72.3 | 570 | <0.1 | <0.5 | 19 | 122.5 | 0.4 |
| 4.9 | 147 | 321 | <0.1 | <0.5 | 25 | 195.5 | 0.7 |
| 3.3 | 83.3 | 354 | <0.1 | <0.5 | 23 | 115.5 | 0.8 |
| 4.8 | 170 | 618 | <0.1 | <0.5 | 25 | 251 | 0.7 |
| 2.1 | 78.5 | 570 | <0.1 | <0.5 | 13 | 126 | 0.2 |
| 0.8 | 29.9 | 518 | <0.1 | <0.5 | 9 | 56.9 | <0.2 |
| 6.9 | 209 | 600 | <0.1 | <0.5 | 33 | 323 | 1.6 |
| 6.7 | 199.5 | 485 | <0.1 | <0.5 | 33 | 274 | 1.2 |
| 5.5 | 171.5 | 540 | <0.1 | <0.5 | 27 | 273 | 0.2 |
| 6.4 | 280 | 373 | <0.1 | <0.5 | 34 | 355 | 0.5 |
| 4.4 | 103.5 | 353 | <0.1 | <0.5 | 23 | 163.5 | 0.7 |
| 8.8 | 332 | 529 | <0.1 | <0.5 | 49 | 468 | 1 |
| 7.7 | 221 | 415 | <0.1 | <0.5 | 36 | 304 | 1.4 |
| 2.7 | 116 | 611 | <0.1 | <0.5 | 18 | 189.5 | 0.2 |
| 2.7 | 93.3 | 673 | <0.1 | <0.5 | 22 | 175 | 0.2 |
| 2.3 | 49.6 | 645 | <0.1 | <0.5 | 21 | 131.5 | <0.2 |
| 2.4 | 135.5 | 617 | <0.1 | <0.5 | 24 | 204 | <0.2 |
| 4.6 | 162 | 603 | <0.1 | <0.5 | 39 | 343 | 0.2 |
| 12.1 | 575 | 546 | <0.1 | <0.5 | 63 | 682 | 0.6 |
| 6.2 | 312 | 519 | <0.1 | <0.5 | 40 | 422 | 0.6 |
| 2.5 | 55.2 | 857 | <0.1 | <0.5 | 19 | 123 | 0.2 |
| 4.3 | 123.5 | 913 | <0.1 | <0.5 | 26 | 244 | 0.2 |

| ME-MS23 Sr_ppb | ME-MS23 Ta_ppb | ME-MS23 Tb_ppb | ME-MS23 Te_ppb | ME-MS23 Th_ppb | ME-MS23 Ti_ppb | ME-MS23 Tl_ppb | ME-MS23 Tm_ppb |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 664 | <1 | 41.2 | <1 | 121 | 910 | 1.4 | 7.7 |
| 1240 | <1 | 28 | <1 | 74.5 | 545 | 1.8 | 5.1 |
| 2990 | <1 | 14.5 | <1 | 46 | 404 | 2.1 | 2.3 |
| 1200 | 1 | 101 | <1 | 208 | 1175 | 2.5 | 23 |
| 1640 | 1 | 84.2 | <1 | 193.5 | 737 | 2 | 19.6 |
| 2630 | <1 | 64.6 | <1 | 119.5 | 416 | 1.7 | 11.8 |
| 3210 | <1 | 17.9 | <1 | 37.9 | 364 | 1.4 | 2.7 |
| 1720 | <1 | 61.6 | <1 | 92.4 | 635 | 2.3 | 15.1 |
| 2290 | <1 | 20.4 | <1 | 38 | 564 | 1.9 | 3.7 |
| 1190 | 1 | 34.7 | <1 | 83.9 | 4630 | 1.3 | 6.6 |
| 871 | 1 | 25.6 | <1 | 112.5 | 4230 | 1 | 6.2 |
| 312 | 1 | 63.2 | <1 | 503 | 8260 | 1.6 | 17.4 |
| 777 | <1 | 23 | <1 | 110 | 1260 | 1 | 5 |
| 1500 | <1 | 22 | <1 | 58.4 | 1175 | 1 | 4.8 |
| 1150 | <1 | 16 | <1 | 49.6 | 1085 | 0.8 | 3.4 |
| 598 | <1 | 25.2 | <1 | 147 | 1945 | 0.5 | 6.1 |
| 445 | <1 | 15.1 | <1 | 57.4 | 1665 | 0.5 | 3.6 |
| 518 | <1 | 33 | <1 | 85.3 | 1795 | 0.7 | 7.8 |
| 1490 | <1 | 15.4 | <1 | 45.4 | 641 | 0.7 | 3 |
| 2050 | <1 | 5.9 | <1 | 15.85 | 396 | 1.3 | 0.9 |
| 599 | 1 | 42.4 | <1 | 113 | 3290 | 1 | 11.4 |
| 813 | <1 | 35.4 | <1 | 124 | 2460 | 0.8 | 8.4 |
| 1260 | <1 | 33.9 | <1 | 114 | 390 | 1.3 | 7.3 |
| 478 | <1 | 45.7 | <1 | 251 | 820 | 0.8 | 11.7 |
| 996 | <1 | 23.1 | <1 | 65.4 | 1610 | 0.5 | 6.2 |
| 385 | <1 | 59.8 | <1 | 331 | 1585 | 0.5 | 14.6 |
| 483 | 1 | 42.4 | <1 | 171.5 | 2850 | 0.6 | 12.3 |
| 868 | <1 | 24.1 | <1 | 47.9 | 381 | 0.8 | 5.2 |
| 1250 | <1 | 22.6 | <1 | 48.4 | 565 | 1 | 5 |
| 2390 | <1 | 19.3 | <1 | 17.25 | 318 | 1 | 4.5 |
| 1220 | <1 | 22.2 | <1 | 88.5 | 212 | 1 | 3.5 |
| 2270 | <1 | 43.2 | <1 | 81.4 | 625 | 1.5 | 8.6 |
| 764 | 1 | 88.2 | <1 | 277 | 1325 | 1.4 | 21 |
| 441 | <1 | 47.1 | <1 | 242 | 1145 | 1.1 | 9.5 |
| 1340 | <1 | 18.3 | <1 | 29 | 600 | 1.2 | 4.6 |
| 1410 | <1 | 35.9 | <1 | 47.8 | 780 | 1.3 | 9 |

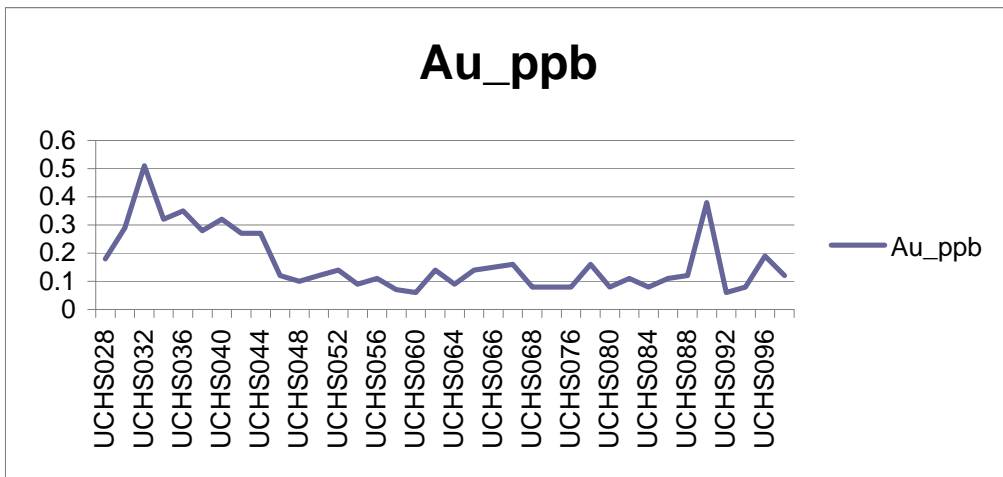
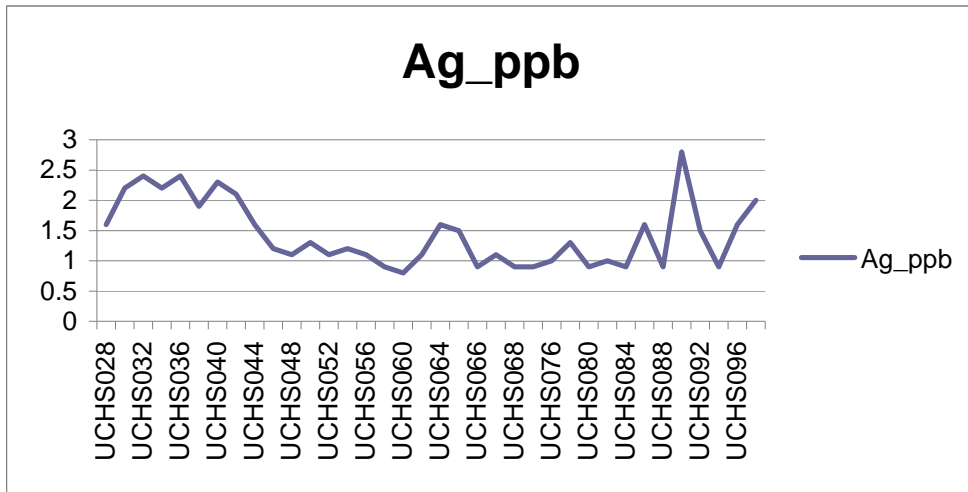
| ME-MS23 U_ppb | ME-MS23 W_ppb | ME-MS23 Y_ppb | ME-MS23 Yb_ppb | ME-MS23 Zn_ppb | ME-MS23 Zr_ppb | pH-MS23 inal pH_unity |
|------------------|------------------|------------------|-------------------|-------------------|-------------------|--------------------------|
| 91 | 1 | 768 | 43 | 10 | 42.7 | 8.5 |
| 59.5 | <1 | 570 | 28.8 | 10 | 17.2 | 8.5 |
| 37.9 | <1 | 296 | 13.1 | 10 | 15.8 | 8.5 |
| 128 | 2 | 2160 | 129.5 | 10 | 55.5 | 8.5 |
| 81.9 | 1 | 1800 | 112.5 | 10 | 35.4 | 8.5 |
| 63.7 | 1 | 1315 | 64.6 | 10 | 17.5 | 8.5 |
| 38.6 | <1 | 348 | 15.7 | 10 | 9.1 | 8.5 |
| 81.4 | 1 | 1410 | 88 | 10 | 23 | 8.5 |
| 43 | <1 | 402 | 21.1 | 10 | 19.7 | 8.5 |
| 89.8 | 2 | 656 | 37 | 30 | 130.5 | 8.5 |
| 71.6 | 1 | 542 | 35.8 | 40 | 128 | 8.5 |
| 128.5 | 3 | 1430 | 100.5 | 70 | 227 | 8.5 |
| 84.6 | 1 | 515 | 28.1 | 30 | 61.8 | 8.5 |
| 54 | 1 | 534 | 26.1 | 20 | 39.3 | 8.5 |
| 45.9 | <1 | 389 | 19.2 | 30 | 34.3 | 8.5 |
| 61.8 | 1 | 573 | 34.1 | 20 | 69 | 8.5 |
| 45.1 | 1 | 384 | 19.6 | 50 | 59.8 | 8.5 |
| 46.1 | 1 | 721 | 43.7 | 20 | 48.5 | 8.5 |
| 42.4 | <1 | 342 | 16.6 | 10 | 18 | 8.5 |
| 4.4 | <1 | 132.5 | 4.7 | 20 | 7.9 | 8.5 |
| 62.1 | 1 | 1005 | 65.6 | 30 | 92.3 | 8.5 |
| 73.1 | 1 | 798 | 48 | 20 | 94.4 | 8.5 |
| 76 | 1 | 789 | 41.2 | 20 | 64 | 8.5 |
| 82.4 | 1 | 1025 | 65.9 | 10 | 75.2 | 8.5 |
| 41.7 | 1 | 550 | 34.6 | 40 | 66.7 | 8.5 |
| 85.5 | 1 | 1315 | 80.9 | 20 | 118 | 8.5 |
| 69.7 | 1 | 1025 | 69.4 | 60 | 108 | 8.5 |
| 36.3 | <1 | 526 | 30.3 | 10 | 16.6 | 8.5 |
| 48.2 | <1 | 509 | 29.6 | 10 | 22.8 | 8.5 |
| 14.3 | <1 | 480 | 25.6 | 20 | 9.1 | 8.5 |
| 62 | <1 | 433 | 19.8 | 10 | 20.4 | 8.5 |
| 69.7 | 1 | 953 | 49.7 | 10 | 22.6 | 8.5 |
| 69.9 | 2 | 1920 | 114 | 20 | 117.5 | 8.5 |
| 93.7 | 1 | 990 | 53.7 | 20 | 63.8 | 8.5 |
| 41.4 | <1 | 466 | 26.5 | 20 | 14.7 | 8.5 |
| 45.9 | 1 | 859 | 52.4 | 20 | 24.2 | 8.5 |



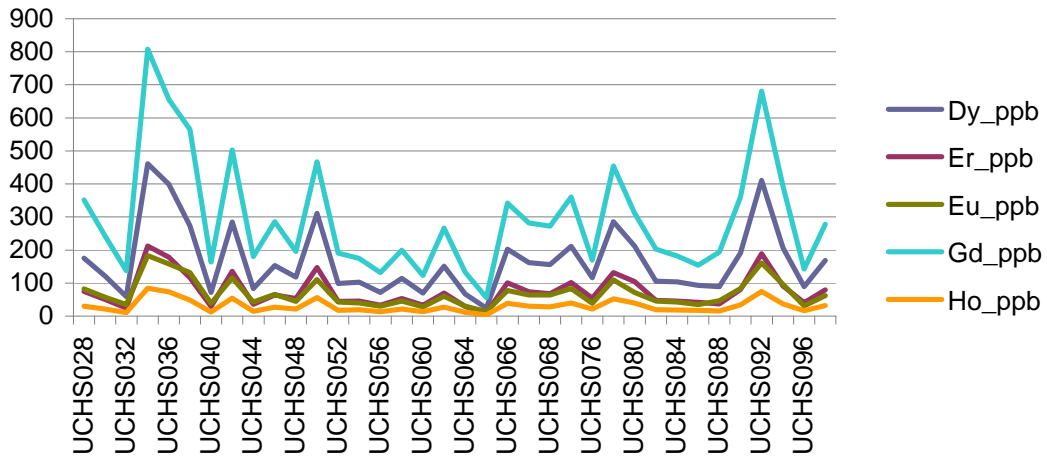
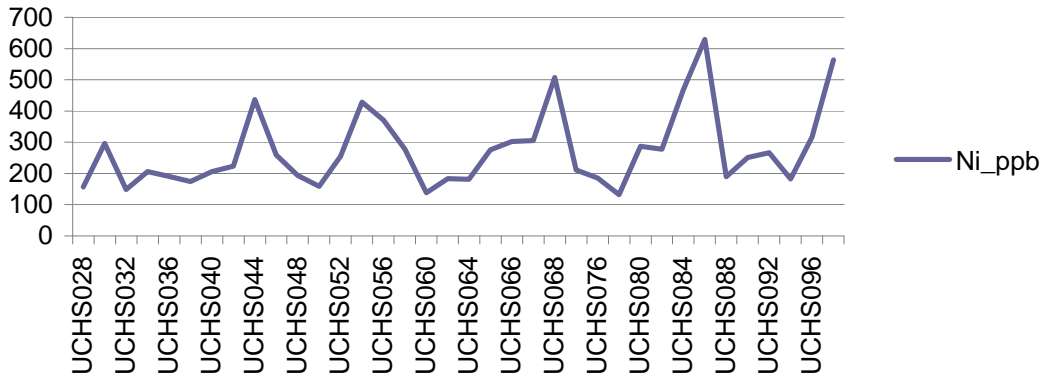




Th, U and to a lesser extent Se, Fe, Sn, Ti correlate ok...
 But not with conventional soils (U) or spectrometer (U, Th)
 Th, Fe, Sn, Ti correlate very well.
 Pb's correlate well with each other and with Ni
 (although Ni is slightly offset) but not with Cu or Zn or with conventional soils.
 Cu and Zn have a weak inverse correlation with each other.
 No real correlation with conventional soil Cu, Zn (possible weak... But could be a coincidence).
 Au and Ag correlate very well
 REE's Dy, Er, Eu, Gd, Ho correlate very well



Ni_ppb



Ba_ppb

