Supplementary Information (SI) for Journal of Analytical Atomic Spectrometry.

Correlation matrix.xlsx

	Extraction [V]	Focus[V]	Source Quad1[V]	Foc-Quad 1[V]	Rot-Quad 2[V]	Source Offset[V]	Matsuda Plate[V]	Cool Gas[l/min]	Aux Gas[l/min]	Sample Gas[l/min]	Add Gas[l/min]	Org Gas[l/min]	Operation Power[W]
Extraction[V]	1	0.0359	0.0445	-0.0074	-0.0325	-0.0146	-0.0045	-0.0500	-0.0111	0.0108	-0.0135	0.0243	-0.0066
Focus[V]	0.0359	1	-0.2181	0.1053	-0.4561	0.0747	0.1222	-0.5477	-0.1774	0.1988	-0.1208	0.1411	-0.0338
Source Quad1[V]	0.0445	-0.2181	1	0.2433	0.3953	-0.2027	0.2858	0.2684	0.2840	0.0172	-0.0394	-0.2242	0.0329
Rot-Quad1[V]	0.0348	-0.0812	0.0583	-0.0595	0.2284	-0.3672	-0.0613	-0.0108	0.1815	-0.2248	-0.0024	0.0969	-0.2840
Foc-Quad1[V]	-0.0074	0.1053	0.2433	1	-0.1896	-0.1215	0.9951	0.1006	0.0582	-0.0839	-0.0585	-0.2880	-0.0093
Rot-Quad2[V]	-0.0325	-0.4561	0.3953	-0.1896	1	-0.4058	-0.1865	0.3472	0.3582	-0.3408	0.2080	0.0434	-0.1782
Source Offset[V]	-0.0146	0.0747	-0.2027	-0.1215	-0.4058	1	-0.1167	-0.1327	-0.3813	0.2202	0.2038	-0.0676	0.3309
Matsuda Plate[V]	-0.0045	0.1222	0.2858	0.9951	-0.1865	-0.1167	1	0.0822	0.0579	-0.0629	-0.0667	-0.2836	0.0006
Cool Gas[l/min]	-0.0500	-0.5477	0.2684	0.1006	0.3472	-0.1327	0.0822	1	0.1551	-0.2227	0.0966	-0.1228	0.1428
Aux Gas[l/min]	-0.0111	-0.1774	0.2840	0.0582	0.3582	-0.3813	0.0579	0.1551	1	-0.1019	0.0109	-0.0317	-0.1837
Sample Gas[l/min]	0.0108	0.1988	0.0172	-0.0839	-0.3408	0.2202	-0.0629	-0.2227	-0.1019	1	-0.2240	-0.4676	0.3691
Add Gas[l/min]	-0.0135	-0.1208	-0.0394	-0.0585	0.2080	0.2038	-0.0667	0.0966	0.0109	-0.2240	1	-0.1501	0.0139
Org Gas[l/min]	0.0243	0.1411	-0.2242	-0.2880	0.0434	-0.0676	-0.2836	-0.1228	-0.0317	-0.4676	-0.1501	1	-0.1564
Operation Power[W]	-0.0066	-0.0338	0.0329	-0.0093	-0.1782	0.3309	0.0006	0.1428	-0.1837	0.3691	0.0139	-0.1564	1
X-Pos[mm]	0.0304	0.1592	-0.1700	-0.1114	-0.1561	0.0960	-0.1013	-0.1742	-0.1993	0.1820	-0.0312	0.1559	0.0287
Y-Pos[mm]	0.0354	0.2843	-0.2456	-0.1021	-0.3149	0.1418	-0.0904	-0.2949	-0.2509	0.2315	-0.0840	0.1622	0.0033
Z-Pos[mm]	0.0297	0.1893	-0.1584	-0.1164	-0.1952	0.1158	-0.1040	-0.2043	-0.1615	0.1986	-0.0614	0.1587	0.0257
Ampl.-Temp[°C]	0.0132	0.1586	-0.0982	-0.0489	-0.1994	-0.0078	-0.0453	-0.2484	-0.0800	0.4015	-0.0735	-0.2838	-0.0234
Fore Vacuum[mbar]	-0.0274	-0.5500	0.1717	-0.1255	0.4320	-0.2071	-0.1520	0.5655	0.1103	-0.2214	0.0340	0.0884	0.0625
High Vacuum[mbar]	-0.0156	0.0645	0.3107	0.6126	-0.0464	-0.0925	0.6161	0.0744	0.2710	0.1221	-0.1106	-0.2443	-0.1088
IonGetter-Press[mbar]	-0.0097	-0.1126	0.1527	-0.1514	0.2601	-0.2499	-0.1442	0.0632	-0.0345	0.2509	-0.0807	-0.1585	-0.1417
^{198}Hg	-0.0195	-0.1718	-0.1103	-0.0209	0.0428	-0.0104	-0.0395	0.1063	-0.0949	-0.2538	0.0133	0.0516	-0.1158
^{199}Hg	-0.0196	-0.1721	-0.1096	-0.0210	0.0431	-0.0097	-0.0397	0.1074	-0.0947	-0.2546	0.0140	0.0515	-0.1155
^{200}Hg	-0.0196	-0.1734	-0.1097	-0.0211	0.0443	-0.0095	-0.0398	0.1082	-0.0944	-0.2558	0.0149	0.0521	-0.1148
^{201}Hg	-0.0198	-0.1737	-0.1092	-0.0210	0.0444	-0.0096	-0.0398	0.1100	-0.0941	-0.2556	0.0154	0.0502	-0.1143
^{202}Hg	-0.0198	-0.1741	-0.1090	-0.0211	0.0444	-0.0099	-0.0398	0.1108	-0.0939	-0.2570	0.0163	0.0510	-0.1138

^{203}Tl	0.0214	0.2381	-0.1126	0.2761	-0.2711	-0.1423	0.2761	-0.1416	0.0255	-0.0931	-0.1193	0.0614	-0.0748
^{205}Tl	0.0233	0.2361	-0.1121	0.2764	-0.2686	-0.1439	0.2763	-0.1399	0.0264	-0.0959	-0.1186	0.0620	-0.0753
$^{202}Hg/^{198}Hg$	-0.0220	-0.2900	0.0789	0.0402	0.1337	0.0111	0.0260	0.2505	-0.0551	0.0070	-0.0034	-0.1658	-0.0783
$^{201}Hg/^{198}Hg$	-0.0109	-0.1654	0.0402	0.2295	0.0024	-0.0057	0.2105	0.1416	-0.1118	-0.0290	-0.0254	-0.1676	-0.1167
$^{200}Hg/^{198}Hg$	-0.0058	-0.2567	-0.0180	-0.1916	0.1384	0.0551	-0.2005	0.1621	-0.0604	0.0713	0.0256	0.0272	-0.0709
$^{199}Hg/^{198}Hg$	0.0085	-0.0759	-0.0382	-0.0575	0.0010	0.0364	-0.0573	0.0103	-0.1224	0.0412	-0.0309	0.0623	-0.0728
$^{205}Tl/^{203}Tl$	-0.0361	-0.3509	0.1901	0.0955	0.3210	-0.1399	0.0884	0.4214	0.0635	-0.3313	0.1680	0.0199	0.1682
$^{202}Hg/^{198}Hg(*)$	-0.0334	-0.4043	0.1789	0.0871	0.3439	-0.0731	0.0769	0.4542	0.0506	-0.3844	0.2606	-0.0019	0.1404
$^{201}Hg/^{198}Hg(*)$	-0.0350	-0.4416	0.1986	0.1498	0.3446	-0.0774	0.1388	0.4799	0.0320	-0.3839	0.2507	-0.0397	0.1335
$^{200}Hg/^{198}Hg(*)$	-0.0330	-0.4066	0.1580	0.0451	0.3016	-0.0927	0.0335	0.4735	0.0404	-0.3530	0.2063	-0.0038	0.1604
$^{199}Hg/^{198}Hg(*)$	-0.0317	-0.3804	0.1756	0.1172	0.3046	-0.1070	0.1089	0.4379	0.0279	-0.3622	0.2068	0.0302	0.1456
StdErr(abs)^{198}Hg	0.0064	-0.0018	-0.1134	-0.0171	-0.0200	0.0039	-0.0272	0.0406	-0.0655	-0.2029	-0.0296	0.1917	-0.0294
StdErr(abs)^{199}Hg	0.0063	-0.0014	-0.1133	-0.0170	-0.0199	0.0043	-0.0271	0.0405	-0.0650	-0.2031	-0.0293	0.1918	-0.0303
StdErr(abs)^{200}Hg	0.0061	-0.0024	-0.1126	-0.0173	-0.0182	0.0025	-0.0275	0.0405	-0.0634	-0.2045	-0.0290	0.1924	-0.0321
StdErr(abs)^{201}Hg	0.0060	-0.0028	-0.1140	-0.0173	-0.0187	0.0031	-0.0275	0.0415	-0.0630	-0.2053	-0.0286	0.1929	-0.0312
StdErr(abs)^{202}Hg	0.0080	-0.0027	-0.1139	-0.0183	-0.0180	0.0031	-0.0285	0.0413	-0.0634	-0.2057	-0.0282	0.1926	-0.0314
StdErr(abs)^{203}Tl	-0.0119	-0.0032	-0.0571	-0.0132	-0.0678	-0.1206	-0.0239	0.0325	0.1619	-0.1483	-0.0803	0.0406	-0.2032
StdErr(abs)^{205}Tl	-0.0121	-0.0028	-0.0566	-0.0121	-0.0659	-0.1225	-0.0229	0.0348	0.1620	-0.1499	-0.0804	0.0424	-0.2048
StdErr(abs)$^{202}Hg/^{198}Hg$	0.0179	-0.0173	0.0338	0.1328	0.0248	-0.0152	0.1365	0.0060	0.1086	0.0290	0.0680	-0.0873	-0.0641
StdErr(abs)$^{201}Hg/^{198}Hg$	0.0133	0.0028	0.0368	0.1365	0.0180	-0.0407	0.1423	-0.0143	0.1263	0.0278	0.0530	-0.0604	-0.0590
StdErr(abs)$^{200}Hg/^{198}Hg$	0.0212	0.0286	0.0339	0.1413	0.0008	-0.0466	0.1487	-0.0337	0.1168	0.0379	0.0468	-0.0540	-0.0547
StdErr(abs)$^{199}Hg/^{198}Hg$	0.0228	0.0487	0.0298	0.1405	-0.0264	-0.0436	0.1483	-0.0429	0.1427	0.0314	0.0396	-0.0351	-0.0526
StdErr(abs)$^{205}Tl/^{203Tl}$	-0.0206	-0.1323	0.0461	0.1400	-0.0512	0.0225	0.1360	0.0681	-0.0097	-0.0438	-0.0251	-0.0815	-0.0360
StdErr(abs)$^{202}Hg/^{198}Hg$ (*)	0.0095	0.0075	-0.0187	-0.0020	-0.0589	0.0360	0.0002	-0.0186	0.0394	0.0875	-0.0151	0.0351	0.0245
R-THg(%)	-0.0016	0.0167	-0.0005	0.0053	-0.0211	0.0226	0.0069	-0.0135	-0.0056	-0.0012	0.0029	0.0017	0.0204
d199(‰)	-0.0057	0.0244	-0.0491	0.0175	-0.0486	0.0146	0.0159	-0.0180	-0.0229	0.0170	-0.0115	0.0195	0.0063
d200(‰)	-0.0088	0.0082	-0.0256	0.0185	-0.0246	0.0174	0.0167	0.0001	-0.0149	-0.0020	-0.0105	0.0121	0.0092
d201(‰)	-0.0058	0.0077	-0.0148	0.0196	-0.0100	0.0114	0.0186	0.0027	-0.0030	-0.0069	-0.0039	0.0080	0.0015
d202(‰)	-0.0010	0.0584	-0.0649	0.0453	-0.1145	0.0564	0.0450	-0.0393	-0.0608	0.0602	-0.0210	0.0138	0.0289

D199(‰)	-0.0121	-0.0095	0.0074	0.0007	0.0211	-0.0073	0.0007	0.0137	0.0202	-0.0057	0.0013	0.0023	-0.0065
D200(‰)	-0.0113	-0.0130	0.0233	0.0068	0.0255	-0.0137	0.0069	0.0152	0.0144	-0.0111	-0.0042	-0.0041	-0.0130
D201(‰)	0.0078	-0.0038	-0.0021	0.0081	-0.0033	-0.0020	0.0072	0.0021	-0.0077	-0.0048	-0.0142	0.0125	-0.0133

	X-Pos[mm]	Y-Pos[mm]	Z-Pos[mm]	Ampl.-Temp[°C]	Fore Vacuum[mbar]	High Vacuum[mbar]	IonGetter-Press [mbar]	^{198}Hg	^{199}Hg	^{200}Hg	^{201}Hg	^{202}Hg	^{203}Tl
Extraction[V]	0.0304	0.0354	0.0297	0.0132	-0.0274	-0.0156	-0.0097	-0.0195	-0.0196	-0.0196	-0.0198	-0.0198	0.0214
Focus[V]	0.1592	0.2843	0.1893	0.1586	-0.5500	0.0645	-0.1126	-0.1718	-0.1721	-0.1734	-0.1737	-0.1741	0.2381
Source Quad1[V]	-0.1700	-0.2456	-0.1584	-0.0982	0.1717	0.3107	0.1527	-0.1103	-0.1096	-0.1097	-0.1092	-0.1090	-0.1126
Rot-Quad1[V]	-0.0587	-0.0788	-0.0735	0.0280	0.1032	0.0010	0.0635	0.0740	0.0738	0.0738	0.0734	0.0734	-0.0277
Foc-Quad1[V]	-0.1114	-0.1021	-0.1164	-0.0489	-0.1255	0.6126	-0.1514	-0.0209	-0.0210	-0.0211	-0.0210	-0.0211	0.2761
Rot-Quad2[V]	-0.1561	-0.3149	-0.1952	-0.1994	0.4320	-0.0464	0.2601	0.0428	0.0431	0.0443	0.0444	0.0444	-0.2711
Source Offset[V]	0.0960	0.1418	0.1158	-0.0078	-0.2071	-0.0925	-0.2499	-0.0104	-0.0097	-0.0095	-0.0096	-0.0099	-0.1423
Matsuda Plate[V]	-0.1013	-0.0904	-0.1040	-0.0453	-0.1520	0.6161	-0.1442	-0.0395	-0.0397	-0.0398	-0.0398	-0.0398	0.2761
Cool Gas[l/min]	-0.1742	-0.2949	-0.2043	-0.2484	0.5655	0.0744	0.0632	0.1063	0.1074	0.1082	0.1100	0.1108	-0.1416
Aux Gas[l/min]	-0.1993	-0.2509	-0.1615	-0.0800	0.1103	0.2710	-0.0345	-0.0949	-0.0947	-0.0944	-0.0941	-0.0939	0.0255
Sample Gas[l/min]	0.1820	0.2315	0.1986	0.4015	-0.2214	0.1221	0.2509	-0.2538	-0.2546	-0.2558	-0.2556	-0.2570	-0.0931
Add Gas[l/min]	-0.0312	-0.0840	-0.0614	-0.0735	0.0340	-0.1106	-0.0807	0.0133	0.0140	0.0149	0.0154	0.0163	-0.1193
Org Gas[l/min]	0.1559	0.1622	0.1587	-0.2838	0.0884	-0.2443	-0.1585	0.0516	0.0515	0.0521	0.0502	0.0510	0.0614
Operation Power[W]	0.0287	0.0033	0.0257	-0.0234	0.0625	-0.1088	-0.1417	-0.1158	-0.1155	-0.1148	-0.1143	-0.1138	-0.0748
X-Pos[mm]	1	0.9670	0.9733	0.0940	0.0155	0.1000	0.0299	-0.2237	-0.2241	-0.2247	-0.2252	-0.2260	-0.0548
Y-Pos[mm]	0.9670	1	0.9717	0.1558	-0.1331	0.0896	-0.0208	-0.2286	-0.2293	-0.2301	-0.2307	-0.2315	0.0167
Z-Pos[mm]	0.9733	0.9717	1	0.1092	-0.0494	0.1124	-0.0307	-0.2346	-0.2349	-0.2354	-0.2358	-0.2366	-0.0331
Ampl.-Temp[°C]	0.0940	0.1558	0.1092	1	-0.3360	0.1293	0.1946	-0.1614	-0.1623	-0.1629	-0.1642	-0.1653	-0.0114
Fore Vacuum[mbar]	0.0155	-0.1331	-0.0494	-0.3360	1	0.0537	0.1294	0.0733	0.0737	0.0745	0.0751	0.0756	-0.3387
High Vacuum[mbar]	0.1000	0.0896	0.1124	0.1293	0.0537	1	-0.1211	-0.1643	-0.1651	-0.1660	-0.1667	-0.1675	0.1245
IonGetter-Press[mbar]	0.0299	-0.0208	-0.0307	0.1946	0.1294	-0.1211	1	-0.0765	-0.0773	-0.0772	-0.0780	-0.0784	-0.1311
^{198}Hg	-0.2237	-0.2286	-0.2346	-0.1614	0.0733	-0.1643	-0.0765	1	0.9983	0.9983	0.9959	0.9942	0.0699
^{199}Hg	-0.2241	-0.2293	-0.2349	-0.1623	0.0737	-0.1651	-0.0773	0.9983	1	0.9986	0.9976	0.9959	0.0698
^{200}Hg	-0.2247	-0.2301	-0.2354	-0.1629	0.0745	-0.1660	-0.0772	0.9983	0.9986	1	0.9976	0.9959	0.0699
^{201}Hg	-0.2252	-0.2307	-0.2358	-0.1642	0.0751	-0.1667	-0.0780	0.9959	0.9976	0.9976	1	0.9983	0.0691
^{202}Hg	-0.2260	-0.2315	-0.2366	-0.1653	0.0756	-0.1675	-0.0784	0.9942	0.9959	0.9959	0.9983	1	0.0694
^{203}Tl	-0.0548	0.0167	-0.0331	-0.0114	-0.3387	0.1245	-0.1311	0.0699	0.0698	0.0699	0.0691	0.0694	1
^{205}Tl	-0.0563	0.0148	-0.0347	-0.0132	-0.3373	0.1230	-0.1312	0.0706	0.0705	0.0706	0.0699	0.0702	0.9994

$^{202}Hg/^{198}Hg$	-0.0097	-0.0761	-0.0255	-0.0791	0.3946	0.1367	0.0958	0.1530	0.1530	0.1525	0.1533	0.1530	-0.1718
$^{201}Hg/^{198}Hg$	0.1236	0.0700	0.0959	-0.0626	0.4039	0.3431	-0.0111	0.1497	0.1501	0.1490	0.1506	0.1500	-0.1009
$^{200}Hg/^{198}Hg$	0.2103	0.1442	0.1884	-0.0620	0.4425	0.0746	0.1240	0.1002	0.0999	0.0998	0.0999	0.0995	-0.2016
$^{199}Hg/^{198}Hg$	0.2383	0.1957	0.2291	-0.0415	0.2512	0.1820	0.0333	0.0682	0.0686	0.0677	0.0694	0.0688	-0.1294
$^{205}Tl/^{203}Tl$	-0.3086	-0.3833	-0.3408	-0.3872	0.3148	-0.2941	0.0398	0.0983	0.1003	0.1020	0.1032	0.1049	-0.0792
$^{202}Hg/^{198}Hg$(*)	-0.3111	-0.3988	-0.3448	-0.4347	0.3544	-0.3084	-0.0005	0.1360	0.1384	0.1402	0.1418	0.1439	-0.1367
$^{201}Hg/^{198}Hg$(*)	-0.2815	-0.3732	-0.3165	-0.4435	0.3991	-0.2305	-0.0318	0.1435	0.1460	0.1478	0.1495	0.1516	-0.1315
$^{200}Hg/^{198}Hg$(*)	-0.2962	-0.3804	-0.3309	-0.3621	0.3723	-0.3078	0.0418	0.1186	0.1211	0.1224	0.1247	0.1264	-0.1390
$^{199}Hg/^{198}Hg$(*)	-0.2626	-0.3446	-0.2960	-0.4139	0.3657	-0.2484	0.0195	0.1128	0.1152	0.1166	0.1183	0.1200	-0.1005
StdErr(abs)^{198}Hg	-0.0583	-0.0550	-0.0710	-0.0844	0.0427	-0.0725	-0.0970	0.4072	0.4063	0.4068	0.4056	0.4060	0.0316
StdErr(abs)^{199}Hg	-0.0585	-0.0551	-0.0712	-0.0850	0.0424	-0.0731	-0.0966	0.4080	0.4071	0.4076	0.4065	0.4068	0.0317
StdErr(abs)^{200}Hg	-0.0597	-0.0563	-0.0723	-0.0853	0.0427	-0.0744	-0.0959	0.4084	0.4076	0.4081	0.4069	0.4072	0.0321
StdErr(abs)^{201}Hg	-0.0605	-0.0572	-0.0731	-0.0871	0.0429	-0.0767	-0.0964	0.4095	0.4086	0.4091	0.4080	0.4083	0.0320
StdErr(abs)^{202}Hg	-0.0608	-0.0577	-0.0735	-0.0877	0.0432	-0.0775	-0.0959	0.4107	0.4099	0.4103	0.4092	0.4095	0.0321
StdErr(abs)^{203}Tl	-0.1850	-0.1507	-0.1709	0.0482	-0.1010	-0.0203	-0.0265	0.1083	0.1083	0.1088	0.1088	0.1093	0.4014
StdErr(abs)^{205}Tl	-0.1854	-0.1513	-0.1711	0.0474	-0.0989	-0.0185	-0.0261	0.1092	0.1092	0.1096	0.1096	0.1101	0.4004
StdErr(abs)$^{202}Hg/^{198}Hg$	0.0637	0.0502	0.0501	0.0646	-0.0695	0.0781	0.0384	-0.3859	-0.3856	-0.3852	-0.3845	-0.3841	-0.0450
StdErr(abs)$^{201}Hg/^{198}Hg$	0.0903	0.0804	0.0793	0.0585	-0.0901	0.0849	0.0332	-0.4436	-0.4438	-0.4430	-0.4428	-0.4422	0.0107
StdErr(abs)$^{200}Hg/^{198}Hg$	0.0901	0.0854	0.0810	0.0725	-0.1142	0.0819	0.0391	-0.4763	-0.4761	-0.4753	-0.4754	-0.4748	0.0547
StdErr(abs)$^{199}Hg/^{198}Hg$	0.1049	0.1041	0.0981	0.0679	-0.1190	0.0989	0.0257	-0.5182	-0.5183	-0.5176	-0.5178	-0.5171	0.0673
StdErr(abs)$^{205}Tl/^{203}Tl$	-0.0503	-0.0535	-0.0797	0.0494	0.0538	0.1237	0.0600	0.0154	0.0149	0.0154	0.0146	0.0149	-0.0781
StdErr(abs)$^{202}Hg/^{198}Hg$(*)	0.0907	0.0924	0.0785	0.1601	-0.0401	0.0057	0.0002	-0.2213	-0.2225	-0.2213	-0.2228	-0.2229	0.0253
R-THg(%)	0.0010	0.0070	0.0045	0.0036	-0.0274	-0.0066	-0.0305	0.0452	0.0449	0.0448	0.0438	0.0439	0.0204
d199(‰)	0.0317	0.0386	0.0290	0.0308	-0.0062	0.0272	-0.0224	0.0155	0.0152	0.0146	0.0143	0.0148	0.0431
d200(‰)	0.0220	0.0238	0.0189	0.0096	0.0087	0.0213	-0.0256	0.0340	0.0330	0.0327	0.0319	0.0322	0.0193
d201(‰)	0.0086	0.0085	0.0073	0.0084	0.0075	0.0287	-0.0250	0.0174	0.0172	0.0172	0.0168	0.0174	0.0104
d202(‰)	0.0593	0.0733	0.0556	0.0589	-0.0388	0.0481	-0.0310	0.0408	0.0400	0.0399	0.0387	0.0391	0.0832
D199(‰)	-0.0022	-0.0052	-0.0015	-0.0135	0.0182	0.0122	-0.0012	-0.0054	-0.0049	-0.0056	-0.0047	-0.0047	-0.0031
D200(‰)	-0.0017	-0.0061	-0.0020	-0.0080	0.0181	0.0190	0.0036	-0.0171	-0.0171	-0.0181	-0.0164	-0.0165	-0.0103
D201(‰)	0.0144	0.0140	0.0105	0.0067	0.0104	0.0172	-0.0039	-0.0141	-0.0138	-0.0146	-0.0128	-0.0127	0.0072

	^{205}Tl	^{202}Hg/^{198}Hg	^{201}Hg/^{198}Hg	^{200}Hg/^{198}Hg	^{199}Hg/^{198}Hg	^{205}Tl/^{203}Tl	^{202}Hg/^{198}Hg (*)	^{201}Hg/^{198}Hg (*)	^{200}Hg/^{198}Hg (*)	^{199}Hg/^{198}Hg (*)	StdErr(abs) ^{198}Hg	StdErr(abs) ^{199}Hg	StdErr(abs) ^{200}Hg
Extraction[V]	0.0233	-0.0220	-0.0109	-0.0058	0.0085	-0.0361	-0.0334	-0.0350	-0.0330	-0.0317	0.0064	0.0063	0.0061
Focus[V]	0.2361	-0.2900	-0.1654	-0.2567	-0.0759	-0.3509	-0.4043	-0.4416	-0.4066	-0.3804	-0.0018	-0.0014	-0.0024
Source Quad1[V]	-0.1121	0.0789	0.0402	-0.0180	-0.0382	0.1901	0.1789	0.1986	0.1580	0.1756	-0.1134	-0.1133	-0.1126
Rot-Quad1[V]	-0.0277	0.0148	-0.0243	0.0122	0.0221	0.0180	0.0114	0.0079	0.0097	0.0113	0.0095	0.0082	0.0113
Foc-Quad1[V]	0.2764	0.0402	0.2295	-0.1916	-0.0575	0.0955	0.0871	0.1498	0.0451	0.1172	-0.0171	-0.0170	-0.0173
Rot-Quad2[V]	-0.2686	0.1337	0.0024	0.1384	0.0010	0.3210	0.3439	0.3446	0.3016	0.3046	-0.0200	-0.0199	-0.0182
Source Offset[V]	-0.1439	0.0111	-0.0057	0.0551	0.0364	-0.1399	-0.0731	-0.0774	-0.0927	-0.1070	0.0039	0.0043	0.0025
Matsuda Plate[V]	0.2763	0.0260	0.2105	-0.2005	-0.0573	0.0884	0.0769	0.1388	0.0335	0.1089	-0.0272	-0.0271	-0.0275
Cool Gas[l/min]	-0.1399	0.2505	0.1416	0.1621	0.0103	0.4214	0.4542	0.4799	0.4735	0.4379	0.0406	0.0405	0.0405
Aux Gas[l/min]	0.0264	-0.0551	-0.1118	-0.0604	-0.1224	0.0635	0.0506	0.0320	0.0404	0.0279	-0.0655	-0.0650	-0.0634
Sample Gas[l/min]	-0.0959	0.0070	-0.0290	0.0713	0.0412	-0.3313	-0.3844	-0.3839	-0.3530	-0.3622	-0.2029	-0.2031	-0.2045
Add Gas[l/min]	-0.1186	-0.0034	-0.0254	0.0256	-0.0309	0.1680	0.2606	0.2507	0.2063	0.2068	-0.0296	-0.0293	-0.0290
Org Gas[l/min]	0.0620	-0.1658	-0.1676	0.0272	0.0623	0.0199	-0.0019	-0.0397	-0.0038	0.0302	0.1917	0.1918	0.1924
Operation Power[W]	-0.0753	-0.0783	-0.1167	-0.0709	-0.0728	0.1682	0.1404	0.1335	0.1604	0.1456	-0.0294	-0.0303	-0.0321
X-Pos[mm]	-0.0563	-0.0097	0.1236	0.2103	0.2383	-0.3086	-0.3111	-0.2815	-0.2962	-0.2626	-0.0583	-0.0585	-0.0597
Y-Pos[mm]	0.0148	-0.0761	0.0700	0.1442	0.1957	-0.3833	-0.3988	-0.3732	-0.3804	-0.3446	-0.0550	-0.0551	-0.0563
Z-Pos[mm]	-0.0347	-0.0255	0.0959	0.1884	0.2291	-0.3408	-0.3448	-0.3165	-0.3309	-0.2960	-0.0710	-0.0712	-0.0723
Ampl.-Temp[°C]	-0.0132	-0.0791	-0.0626	-0.0620	-0.0415	-0.3872	-0.4347	-0.4435	-0.3621	-0.4139	-0.0844	-0.0850	-0.0853
Fore Vacuum[mbar]	-0.3373	0.3946	0.4039	0.4425	0.2512	0.3148	0.3544	0.3991	0.3723	0.3657	0.0427	0.0424	0.0427
High Vacuum[mbar]	0.1230	0.1367	0.3431	0.0746	0.1820	-0.2941	-0.3084	-0.2305	-0.3078	-0.2484	-0.0725	-0.0731	-0.0744
IonGetter-Press[mbar]	-0.1312	0.0958	-0.0111	0.1240	0.0333	0.0398	-0.0005	-0.0318	0.0418	0.0195	-0.0970	-0.0966	-0.0959
^{198}Hg	0.0706	0.1530	0.1497	0.1002	0.0682	0.0983	0.1360	0.1435	0.1186	0.1128	0.4072	0.4080	0.4084
^{199}Hg	0.0705	0.1530	0.1501	0.0999	0.0686	0.1003	0.1384	0.1460	0.1211	0.1152	0.4063	0.4071	0.4076
^{200}Hg	0.0706	0.1525	0.1490	0.0998	0.0677	0.1020	0.1402	0.1478	0.1224	0.1166	0.4068	0.4076	0.4081
^{201}Hg	0.0699	0.1533	0.1506	0.0999	0.0694	0.1032	0.1418	0.1495	0.1247	0.1183	0.4056	0.4065	0.4069
^{202}Hg	0.0702	0.1530	0.1500	0.0995	0.0688	0.1049	0.1439	0.1516	0.1264	0.1200	0.4060	0.4068	0.4072
^{203}Tl	0.9994	-0.1718	-0.1009	-0.2016	-0.1294	-0.0792	-0.1367	-0.1315	-0.1390	-0.1005	0.0316	0.0317	0.0321
^{205}Tl	1	-0.1720	-0.1016	-0.2024	-0.1306	-0.0757	-0.1330	-0.1278	-0.1355	-0.0970	0.0317	0.0318	0.0322

$^{202}Hg/^{198}Hg$	-0.1720	1	0.6483	0.6681	0.5742	-0.0530	0.0640	0.1170	0.0705	0.0662	0.0094	0.0097	0.0095
$^{201}Hg/^{198}Hg$	-0.1016	0.6483	1	0.6062	0.7012	-0.1508	-0.0493	0.0418	-0.0335	-0.0157	0.0420	0.0424	0.0414
$^{200}Hg/^{198}Hg$	-0.2024	0.6681	0.6062	1	0.6872	-0.1500	-0.0425	0.0178	-0.0114	0.0054	0.0373	0.0373	0.0369
$^{199}Hg/^{198}Hg$	-0.1306	0.5742	0.7012	0.6872	1	-0.2129	-0.1224	-0.0616	-0.0835	-0.0370	0.0545	0.0544	0.0536
$^{205}Tl/^{203}Tl$	-0.0757	-0.0530	-0.1508	-0.1500	-0.2129	1	0.8887	0.8713	0.9199	0.9216	0.0251	0.0254	0.0263
$^{202}Hg/^{198}Hg$(*)	-0.1330	0.0640	-0.0493	-0.0425	-0.1224	0.8887	1	0.9589	0.9142	0.9173	0.0500	0.0506	0.0514
$^{201}Hg/^{198}Hg$(*)	-0.1278	0.1170	0.0418	0.0178	-0.0616	0.8713	0.9589	1	0.8990	0.9125	0.0487	0.0493	0.0500
$^{200}Hg/^{198}Hg$(*)	-0.1355	0.0705	-0.0335	-0.0114	-0.0835	0.9199	0.9142	0.8990	1	0.9597	0.0456	0.0460	0.0467
$^{199}Hg/^{198}Hg$(*)	-0.0970	0.0662	-0.0157	0.0054	-0.0370	0.9216	0.9173	0.9125	0.9597	1	0.0496	0.0501	0.0508
StdErr(abs)^{198}Hg	0.0317	0.0094	0.0420	0.0373	0.0545	0.0251	0.0500	0.0487	0.0456	0.0496	1	0.9985	0.9965
StdErr(abs)^{199}Hg	0.0318	0.0097	0.0424	0.0373	0.0544	0.0254	0.0506	0.0493	0.0460	0.0501	0.9985	1	0.9980
StdErr(abs)^{200}Hg	0.0322	0.0095	0.0414	0.0369	0.0536	0.0263	0.0514	0.0500	0.0467	0.0508	0.9965	0.9980	1
StdErr(abs)^{201}Hg	0.0321	0.0088	0.0406	0.0369	0.0536	0.0284	0.0536	0.0520	0.0487	0.0529	0.9955	0.9970	0.9981
StdErr(abs)^{202}Hg	0.0322	0.0089	0.0405	0.0374	0.0544	0.0292	0.0536	0.0522	0.0496	0.0538	0.9940	0.9955	0.9956
StdErr(abs)^{203}Tl	0.4015	-0.0498	-0.1420	-0.0504	-0.1567	-0.0317	-0.0480	-0.0547	-0.0247	-0.0540	0.1356	0.1358	0.1362
StdErr(abs)^{205}Tl	0.4005	-0.0506	-0.1419	-0.0505	-0.1579	-0.0321	-0.0485	-0.0549	-0.0253	-0.0546	0.1353	0.1355	0.1359
StdErr(abs)$^{202}Hg/^{198}Hg$	-0.0449	-0.0578	-0.1026	-0.0533	-0.0769	0.0578	0.0648	0.0622	0.0553	0.0588	-0.1932	-0.1935	-0.1931
StdErr(abs)$^{201}Hg/^{198}Hg$	0.0109	-0.0948	-0.1308	-0.0770	-0.0928	0.0405	0.0390	0.0358	0.0298	0.0370	-0.2225	-0.2227	-0.2222
StdErr(abs)$^{200}Hg/^{198}Hg$	0.0548	-0.1154	-0.1551	-0.1018	-0.1108	0.0401	0.0320	0.0245	0.0236	0.0317	-0.2312	-0.2315	-0.2310
StdErr(abs)$^{199}Hg/^{198}Hg$	0.0673	-0.1177	-0.1562	-0.0943	-0.1146	0.0232	0.0156	0.0032	0.0095	0.0190	-0.2362	-0.2364	-0.2360
StdErr(abs)$^{205}Tl/^{203Tl}$	-0.0782	0.0559	0.0104	0.0075	-0.0104	-0.0066	0.0103	0.0130	0.0203	0.0098	0.0779	0.0777	0.0770
StdErr(abs)$^{202}Hg/^{198}Hg$(*)	0.0248	-0.0340	-0.1280	-0.0407	-0.1237	-0.0929	-0.0994	-0.1190	-0.0938	-0.1286	-0.0705	-0.0705	-0.0701
R-THg(%)	0.0201	0.0044	-0.0159	-0.0006	-0.0142	-0.0087	-0.0119	-0.0111	-0.0133	-0.0099	-0.0359	-0.0355	-0.0350
d199(‰)	0.0432	0.1424	0.1399	0.1609	0.1827	-0.0290	-0.0171	-0.0106	-0.0077	0.0044	0.0105	0.0115	0.0118
d200(‰)	0.0198	0.1226	0.1146	0.1479	0.1176	-0.0136	0.0044	0.0099	0.0092	0.0103	0.0137	0.0141	0.0145
d201(‰)	0.0106	0.1062	0.1149	0.1171	0.1034	-0.0063	0.0083	0.0152	0.0106	0.0130	0.0056	0.0058	0.0063
d202(‰)	0.0831	0.2313	0.2247	0.2291	0.1979	-0.0609	-0.0498	-0.0391	-0.0376	-0.0270	0.0073	0.0079	0.0082
D199(‰)	-0.0030	0.0250	0.0250	0.0501	0.1095	0.0081	0.0106	0.0103	0.0127	0.0292	0.0164	0.0168	0.0166
D200(‰)	-0.0100	0.0230	0.0245	0.0775	0.0519	0.0127	0.0151	0.0225	0.0273	0.0258	0.0106	0.0109	0.0103
D201(‰)	0.0070	0.0149	0.0727	0.0502	0.0558	0.0031	0.0096	0.0211	0.0126	0.0162	0.0168	0.0168	0.0161

	StdErr(abs)^{201}Hg	StdErr(abs)^{202}Hg	StdErr(abs)^{203}Tl	StdErr(abs)^{205}Tl	StdErr(abs) ^{202}Hg/^{198}Hg	StdErr(abs) ^{201}Hg/^{198}Hg	StdErr(abs) ^{200}Hg/^{198}Hg	StdErr(abs) ^{199}Hg/^{198}Hg	StdErr(abs) ^{205}Tl/^{203}Tl	StdErr(abs)^{202} Hg/^{198}Hg(*)	R-THg(%)	d199(‰)
Extraction[V]	0.0060	0.0080	-0.0119	-0.0121	0.0179	0.0133	0.0212	0.0228	-0.0206	0.0095	-0.0016	-0.0057
Focus[V]	-0.0028	-0.0027	-0.0032	-0.0028	-0.0173	0.0028	0.0286	0.0487	-0.1323	0.0075	0.0167	0.0244
Source Quad1[V]	-0.1140	-0.1139	-0.0571	-0.0566	0.0338	0.0368	0.0339	0.0298	0.0461	-0.0187	-0.0005	-0.0491
Rot-Quad1[V]	0.0087	0.0091	0.0988	0.1011	-0.0229	-0.0039	-0.0090	-0.0321	0.0434	-0.0147	-0.0106	-0.0117
Foc-Quad1[V]	-0.0173	-0.0183	-0.0132	-0.0121	0.1328	0.1365	0.1413	0.1405	0.1400	-0.0020	0.0053	0.0175
Rot-Quad2[V]	-0.0187	-0.0180	-0.0678	-0.0659	0.0248	0.0180	0.0008	-0.0264	-0.0512	-0.0589	-0.0211	-0.0486
Source Offset[V]	0.0031	0.0031	-0.1206	-0.1225	-0.0152	-0.0407	-0.0466	-0.0436	0.0225	0.0360	0.0226	0.0146
Matsuda Plate[V]	-0.0275	-0.0285	-0.0239	-0.0229	0.1365	0.1423	0.1487	0.1483	0.1360	0.0002	0.0069	0.0159
Cool Gas[l/min]	0.0415	0.0413	0.0325	0.0348	0.0060	-0.0143	-0.0337	-0.0429	0.0681	-0.0186	-0.0135	-0.0180
Aux Gas[l/min]	-0.0630	-0.0634	0.1619	0.1620	0.1086	0.1263	0.1168	0.1427	-0.0097	0.0394	-0.0056	-0.0229
Sample Gas[l/min]	-0.2053	-0.2057	-0.1483	-0.1499	0.0290	0.0278	0.0379	0.0314	-0.0438	0.0875	-0.0012	0.0170
Add Gas[l/min]	-0.0286	-0.0282	-0.0803	-0.0804	0.0680	0.0530	0.0468	0.0396	-0.0251	-0.0151	0.0029	-0.0115
Org Gas[l/min]	0.1929	0.1926	0.0406	0.0424	-0.0873	-0.0604	-0.0540	-0.0351	-0.0815	0.0351	0.0017	0.0195
Operation Power[W]	-0.0312	-0.0314	-0.2032	-0.2048	-0.0641	-0.0590	-0.0547	-0.0526	-0.0360	0.0245	0.0204	0.0063
X-Pos[mm]	-0.0605	-0.0608	-0.1850	-0.1854	0.0637	0.0903	0.0901	0.1049	-0.0503	0.0907	0.0010	0.0317
Y-Pos[mm]	-0.0572	-0.0577	-0.1507	-0.1513	0.0502	0.0804	0.0854	0.1041	-0.0535	0.0924	0.0070	0.0386
Z-Pos[mm]	-0.0731	-0.0735	-0.1709	-0.1711	0.0501	0.0793	0.0810	0.0981	-0.0797	0.0785	0.0045	0.0290
Ampl.-Temp[°C]	-0.0871	-0.0877	0.0482	0.0474	0.0646	0.0585	0.0725	0.0679	0.0494	0.1601	0.0036	0.0308
Fore Vacuum[mbar]	0.0429	0.0432	-0.1010	-0.0989	-0.0695	-0.0901	-0.1142	-0.1190	0.0538	-0.0401	-0.0274	-0.0062
High Vacuum[mbar]	-0.0767	-0.0775	-0.0203	-0.0185	0.0781	0.0849	0.0819	0.0989	0.1237	0.0057	-0.0066	0.0272
IonGetter-Press[mbar]	-0.0964	-0.0959	-0.0265	-0.0261	0.0384	0.0332	0.0391	0.0257	0.0600	0.0002	-0.0305	-0.0224
^{198}Hg	0.4095	0.4107	0.1083	0.1092	-0.3859	-0.4436	-0.4763	-0.5182	0.0154	-0.2213	0.0452	0.0155
^{199}Hg	0.4086	0.4099	0.1083	0.1092	-0.3856	-0.4438	-0.4761	-0.5183	0.0149	-0.2225	0.0449	0.0152
^{200}Hg	0.4091	0.4103	0.1088	0.1096	-0.3852	-0.4430	-0.4753	-0.5176	0.0154	-0.2213	0.0448	0.0146
^{201}Hg	0.4080	0.4092	0.1088	0.1096	-0.3845	-0.4428	-0.4754	-0.5178	0.0146	-0.2228	0.0438	0.0143
^{202}Hg	0.4083	0.4095	0.1093	0.1101	-0.3841	-0.4422	-0.4748	-0.5171	0.0149	-0.2229	0.0439	0.0148
^{203}Tl	0.0320	0.0321	0.4014	0.4004	-0.0450	0.0107	0.0547	0.0673	-0.0781	0.0253	0.0204	0.0431
^{205}Tl	0.0321	0.0322	0.4015	0.4005	-0.0449	0.0109	0.0548	0.0673	-0.0782	0.0248	0.0201	0.0432

$^{202}Hg/^{198}Hg$	0.0088	0.0089	-0.0498	-0.0506	-0.0578	-0.0948	-0.1154	-0.1177	0.0559	-0.0340	0.0044	0.1424
$^{201}Hg/^{198}Hg$	0.0406	0.0405	-0.1420	-0.1419	-0.1026	-0.1308	-0.1551	-0.1562	0.0104	-0.1280	-0.0159	0.1399
$^{200}Hg/^{198}Hg$	0.0369	0.0374	-0.0504	-0.0505	-0.0533	-0.0770	-0.1018	-0.0943	0.0075	-0.0407	-0.0006	0.1609
$^{199}Hg/^{198}Hg$	0.0536	0.0544	-0.1567	-0.1579	-0.0769	-0.0928	-0.1108	-0.1146	-0.0104	-0.1237	-0.0142	0.1827
$^{205}Tl/^{203}Tl$	0.0284	0.0292	-0.0317	-0.0321	0.0578	0.0405	0.0401	0.0232	-0.0066	-0.0929	-0.0087	-0.0290
$^{202}Hg/^{198}Hg$(*)	0.0536	0.0536	-0.0480	-0.0485	0.0648	0.0390	0.0320	0.0156	0.0103	-0.0994	-0.0119	-0.0171
$^{201}Hg/^{198}Hg$(*)	0.0520	0.0522	-0.0547	-0.0549	0.0622	0.0358	0.0245	0.0032	0.0130	-0.1190	-0.0111	-0.0106
$^{200}Hg/^{198}Hg$(*)	0.0487	0.0496	-0.0247	-0.0253	0.0553	0.0298	0.0236	0.0095	0.0203	-0.0938	-0.0133	-0.0077
$^{199}Hg/^{198}Hg$(*)	0.0529	0.0538	-0.0540	-0.0546	0.0588	0.0370	0.0317	0.0190	0.0098	-0.1286	-0.0099	0.0044
StdErr(abs)^{198}Hg	0.9955	0.9940	0.1356	0.1353	-0.1932	-0.2225	-0.2312	-0.2362	0.0779	-0.0705	-0.0359	0.0105
StdErr(abs)^{199}Hg	0.9970	0.9955	0.1358	0.1355	-0.1935	-0.2227	-0.2315	-0.2364	0.0777	-0.0705	-0.0355	0.0115
StdErr(abs)^{200}Hg	0.9981	0.9956	0.1362	0.1359	-0.1931	-0.2222	-0.2310	-0.2360	0.0770	-0.0701	-0.0350	0.0118
StdErr(abs)^{201}Hg	1	0.9976	0.1358	0.1355	-0.1922	-0.2214	-0.2302	-0.2347	0.0764	-0.0704	-0.0352	0.0115
StdErr(abs)^{202}Hg	0.9976	1	0.1363	0.1360	-0.1924	-0.2219	-0.2308	-0.2354	0.0758	-0.0709	-0.0362	0.0110
StdErr(abs)^{203}Tl	0.1358	0.1363	1	0.9963	0.0209	0.0369	0.0502	0.0625	0.1065	0.1521	-0.0102	0.0182
StdErr(abs)^{205}Tl	0.1355	0.1360	0.9963	1	0.0185	0.0340	0.0477	0.0594	0.1038	0.1532	-0.0104	0.0187
StdErr(abs)$^{202}Hg/^{198}Hg$	-0.1922	-0.1924	0.0209	0.0185	1	0.8051	0.7816	0.6930	0.2699	0.2750	-0.0346	-0.0045
StdErr(abs)$^{201}Hg/^{198}Hg$	-0.2214	-0.2219	0.0369	0.0340	0.8051	1	0.8351	0.7578	0.3106	0.2774	-0.0378	0.0001
StdErr(abs)$^{200}Hg/^{198}Hg$	-0.2302	-0.2308	0.0502	0.0477	0.7816	0.8351	1	0.7895	0.2676	0.2961	-0.0434	-0.0062
StdErr(abs)$^{199}Hg/^{198}Hg$	-0.2347	-0.2354	0.0625	0.0594	0.6930	0.7578	0.7895	1	0.2054	0.3155	-0.0409	0.0009
StdErr(abs)$^{205}Tl/^{203Tl}$	0.0764	0.0758	0.1065	0.1038	0.2699	0.3106	0.2676	0.2054	1	0.3128	-0.0082	0.0156
StdErr(abs)$^{202}Hg/^{198}Hg$(*)	-0.0704	-0.0709	0.1521	0.1532	0.2750	0.2774	0.2961	0.3155	0.3128	1	-0.0216	0.0303
R-THg(%)	-0.0352	-0.0362	-0.0102	-0.0104	-0.0346	-0.0378	-0.0434	-0.0409	-0.0082	-0.0216	1	0.0414
d199(‰)	0.0115	0.0110	0.0182	0.0187	-0.0045	0.0001	-0.0062	0.0009	0.0156	0.0303	0.0414	1
d200(‰)	0.0143	0.0142	0.0112	0.0118	-0.0312	-0.0249	-0.0348	-0.0148	0.0122	0.0071	0.0815	0.6272
d201(‰)	0.0064	0.0058	0.0133	0.0139	-0.0206	-0.0148	-0.0201	-0.0059	0.0134	0.0039	0.0819	0.5596
d202(‰)	0.0079	0.0077	0.0294	0.0293	-0.0351	-0.0273	-0.0276	-0.0174	0.0211	0.0417	0.0956	0.5849
D199(‰)	0.0164	0.0167	0.0038	0.0049	0.0162	0.0211	0.0139	-0.0014	-0.0021	0.0019	-0.0291	0.6296
D200(‰)	0.0102	0.0102	0.0030	0.0033	0.0037	0.0188	0.0019	-0.0020	-0.0058	-0.0170	-0.0372	0.3310
D201(‰)	0.0163	0.0156	0.0127	0.0123	0.0171	0.0193	0.0160	0.0070	-0.0084	-0.0043	-0.0919	0.2364

	d200(‰)	d201(‰)	d202(‰)	D199(‰)	D200(‰)	D201(‰)
Extraction[V]	-0.0088	-0.0058	-0.0010	-0.0121	-0.0113	0.0078
Focus[V]	0.0082	0.0077	0.0584	-0.0095	-0.0130	-0.0038
Source Quad1[V]	-0.0256	-0.0148	-0.0649	0.0074	0.0233	-0.0021
Rot-Quad1[V]	-0.0067	-0.0015	-0.0351	0.0065	0.0061	0.0019
Foc-Quad1[V]	0.0185	0.0196	0.0453	0.0007	0.0068	0.0081
Rot-Quad2[V]	-0.0246	-0.0100	-0.1145	0.0211	0.0255	-0.0033
Source Offset[V]	0.0174	0.0114	0.0564	-0.0073	-0.0137	-0.0020
Matsuda Plate[V]	0.0167	0.0186	0.0450	0.0007	0.0069	0.0072
Cool Gas[l/min]	0.0001	0.0027	-0.0393	0.0137	0.0152	0.0021
Aux Gas[l/min]	-0.0149	-0.0030	-0.0608	0.0202	0.0144	-0.0077
Sample Gas[l/min]	-0.0020	-0.0069	0.0602	-0.0057	-0.0111	-0.0048
Add Gas[l/min]	-0.0105	-0.0039	-0.0210	0.0013	-0.0042	-0.0142
Org Gas[l/min]	0.0121	0.0080	0.0138	0.0023	-0.0041	0.0125
Operation Power[W]	0.0092	0.0015	0.0289	-0.0065	-0.0130	-0.0133
X-Pos[mm]	0.0220	0.0086	0.0593	-0.0022	-0.0017	0.0144
Y-Pos[mm]	0.0238	0.0085	0.0733	-0.0052	-0.0061	0.0140
Z-Pos[mm]	0.0189	0.0073	0.0556	-0.0015	-0.0020	0.0105
Ampl.-Temp[°C]	0.0096	0.0084	0.0589	-0.0135	-0.0080	0.0067
Fore Vacuum[mbar]	0.0087	0.0075	-0.0388	0.0182	0.0181	0.0104
High Vacuum[mbar]	0.0213	0.0287	0.0481	0.0122	0.0190	0.0172
IonGetter-Press[mbar]	-0.0256	-0.0250	-0.0310	-0.0012	0.0036	-0.0039
^{198}Hg	0.0340	0.0174	0.0408	-0.0054	-0.0171	-0.0141
^{199}Hg	0.0330	0.0172	0.0400	-0.0049	-0.0171	-0.0138
^{200}Hg	0.0327	0.0172	0.0399	-0.0056	-0.0181	-0.0146
^{201}Hg	0.0319	0.0168	0.0387	-0.0047	-0.0164	-0.0128
^{202}Hg	0.0322	0.0174	0.0391	-0.0047	-0.0165	-0.0127
^{203}Tl	0.0193	0.0104	0.0832	-0.0031	-0.0103	0.0072
^{205}Tl	0.0198	0.0106	0.0831	-0.0030	-0.0100	0.0070
^{202}Hg/^{198}Hg	0.1226	0.1062	0.2313	0.0250	0.0230	0.0149

$^{201}Hg/^{198}Hg$	0.1146	0.1149	0.2247	0.0250	0.0245	0.0727
$^{200}Hg/^{198}Hg$	0.1479	0.1171	0.2291	0.0501	0.0775	0.0502
$^{199}Hg/^{198}Hg$	0.1176	0.1034	0.1979	0.1095	0.0519	0.0558
$^{205}Tl/^{203}Tl$	-0.0136	-0.0063	-0.0609	0.0081	0.0127	0.0031
$^{202}Hg/^{198}Hg$(*)	0.0044	0.0083	-0.0498	0.0106	0.0151	0.0096
$^{201}Hg/^{198}Hg$(*)	0.0099	0.0152	-0.0391	0.0103	0.0225	0.0211
$^{200}Hg/^{198}Hg$(*)	0.0092	0.0106	-0.0376	0.0127	0.0273	0.0126
$^{199}Hg/^{198}Hg$(*)	0.0103	0.0130	-0.0270	0.0292	0.0258	0.0162
StdErr(abs)^{198}Hg	0.0137	0.0056	0.0073	0.0164	0.0106	0.0168
StdErr(abs)^{199}Hg	0.0141	0.0058	0.0079	0.0168	0.0109	0.0168
StdErr(abs)^{200}Hg	0.0145	0.0063	0.0082	0.0166	0.0103	0.0161
StdErr(abs)^{201}Hg	0.0143	0.0064	0.0079	0.0164	0.0102	0.0163
StdErr(abs)^{202}Hg	0.0142	0.0058	0.0077	0.0167	0.0102	0.0156
StdErr(abs)^{203}Tl	0.0112	0.0133	0.0294	0.0038	0.0030	0.0127
StdErr(abs)^{205}Tl	0.0118	0.0139	0.0293	0.0049	0.0033	0.0123
StdErr(abs)$^{202}Hg/^{198}Hg$	-0.0312	-0.0206	-0.0351	0.0162	0.0037	0.0171
StdErr(abs)$^{201}Hg/^{198}Hg$	-0.0249	-0.0148	-0.0273	0.0211	0.0188	0.0193
StdErr(abs)$^{200}Hg/^{198}Hg$	-0.0348	-0.0201	-0.0276	0.0139	0.0019	0.0160
StdErr(abs)$^{199}Hg/^{198}Hg$	-0.0148	-0.0059	-0.0174	-0.0014	-0.0020	0.0070
StdErr(abs)$^{205}Tl/^{203Tl}$	0.0122	0.0134	0.0211	-0.0021	-0.0058	-0.0084
StdErr(abs)$^{202}Hg/^{198}Hg$(*)	0.0071	0.0039	0.0417	0.0019	-0.0170	-0.0043
R-THg(%)	0.0815	0.0819	0.0956	-0.0291	-0.0372	-0.0919
d199(‰)	0.6272	0.5596	0.5849	0.6296	0.3310	0.2364
d200(‰)	1	0.7505	0.5051	0.3184	0.4673	0.2066
d201(‰)	0.7505	1	0.4625	0.2963	0.3106	0.4155
d202(‰)	0.5051	0.4625	1	0.1419	0.0963	0.0873
D199(‰)	0.3184	0.2963	0.1419	1	0.5031	0.3309
D200(‰)	0.4673	0.3106	0.0963	0.5031	1	0.3796
D201(‰)	0.2066	0.4155	0.0873	0.3309	0.3796	1