Electronic Supplementary Material (ESI) for Journal of Analytical Atomic Spectrometry. This journal is © The Royal Society of Chemistry 2016

Import Data obtained from ICP-MS

To Microsoft Excel







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5	0	40.0002	2 0	330.0131	0	5333.4112	3171.2063	79521.6706	11836.7893	362185.7613								
6	0	50.0003	3 0	470.0265	0	4852.8243	3001.0804	76434.6997	12709.3538	351322.1033								
7	0	70.0006	5 20	390.0183	0	5153.1847	2810.9479	78166.3846	12167.7406	358920.5472								
8	0	50.0003	8 0	330.0131	0	5313.3857	3101.1536	78777.7378	13010.2804	351680.5293								
9	0	60.0004	۱ 0	330.0131	0	5383.4756	3141.1836	78879.6386	11977.1897	361216.8252								
10	0	20) 0	290.0101	0	4882.8594	3361.3553	77758.8652	13030.343	338893.2713								
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15	0	50.0003	3 20	450.0243	0	5033.0379	2921.0235	78013.5602	12197.8283	353820.8397								
16	0	90.001	L 0	410.0202	0	4862.836	3181.214	77504.1856	12137.653	352701.6626								
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Re	3	31893	4471	830	710	4431	5772	15
	4	32916	3251	810	510	5112	5332	16
	3	44974	3191	970	630	4992	6753	17
	4	52830	2440	1040	700	3781	6943	18
	4	80753	2240	960	820	4942	8284	19
	3	81429	2410	970	790	4832	7494	20
	3	83166	1730	2030	810	4511	6793	21
	5	88066	1840	7123	840	3901	6703	22
	6	77704	2180	14012	1100	3781	7924	23
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For blank correction,

subtract the intensity value of one element in the worksheet P31 by the value in the blank worksheet

For example

use the formula:

='P31'!A1-Blank!D1

Repeat the same process for ¹²C⁺, using the formula:

='C12'!A1-Blank!J1

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1130	490	570	25	0	
2921	1320	1960	148	0 2	
3341	3761	3521	230	0 2	
5372	4131	3271	233	0 4	
3971	3931	4672	327	1 4	
4411	3831	4992	469	2 4	
4631	5252	6012	295	1 5	
3871	4852	5792	437	16	
4952	5852	5512	419	1 5	
6873	5832	5912	403	1 5	
6693	6633	5172	391	1 4	
6253	8335	4992	397	1 5	
6403	7464	5122	374	1 4	
7574	6273	4792	395	1 4	
7874	8375	4151	455	1 4	
9596	5432	5292	351	1 4	
13011	5882	5462	402	1 4	
10227	6102	5202	470	2 4	
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3	0.00076	0.00922	0.00526	0.00122	0.00111	0.00512	0.00134	0.00307	0.00142	0.00334	0.00121	0.00391	0.00993	0.00781	0.00408	0.00191	0.00631	0.00408	0.00471	0.00483
4	0.00262	0.00662	0.00644	0.00330	0.00677	0.00624	0.00274	0.00171	0.00194	0.00351	0.00152	0.00332	0.00704	0.00810	0.00879	0.00951	0.00563	0.00724	0.00610	0.00409
5	0.00388	0.00753	0.00798	0.00365	0.00636	0.00940	0.00975	0.00300	0.00324	0.00337	0.00160	0.00434	0.00555	0.00906	0.01276	0.00856	0.00803	0.00629	0.00481	0.00426
6	0.00483	0.00813	0.00712	0.00273	0.00523	0.01629	0.01902	0.00343	0.00178	0.00318	0.00213	0.00266	0.00583	0.00854	0.00780	0.00795	0.00622	0.00554	0.00670	0.00454
7	0.00619	0.00751	0.00809	0.00264	0.00515	0.02450	0.02181	0.00580	0.00364	0.00189	0.00190	0.00247	0.00424	0.00913	0.01106	0.00856	0.00799	0.00539	0.00627	0.00725
8	0.00800	0.01227	0.01151	0.00508	0.00438	0.03064	0.03555	0.00909	0.00342	0.00355	0.00302	0.00299	0.00540	0.00946	0.01054	0.00824	0.00745	0.00735	0.00731	0.00401
9	0.00663	0.00939	0.00622	0.00391	0.00743	0.03530	0.03467	0.02462	0.00344	0.00376	0.00314	0.00413	0.00422	0.01023	0.00836	0.01081	0.00679	0.00683	0.00708	0.00665
10	0.00955	0.00932	0.00675	0.00479	0.01153	0.02976	0.03446	0.02699	0.00300	0.00285	0.00253	0.00304	0.00446	0.01016	0.00817	0.00915	0.00766	0.00816	0.00631	0.00537
11	0.00795	0.00846	0.00444	0.00443	0.00861	0.04165	0.04173	0.02101	0.00399	0.00377	0.00298	0.00191	0.00281	0.00968	0.01045	0.00776	0.01124	0.00786	0.00711	0.00493
12	0.00685	0.00746	0.00417	0.00356	0.01230	0.02866	0.03655	0.03894	0.00418	0.00517	0.00346	0.00355	0.00354	0.00767	0.00879	0.01007	0.00902	0.00844	0.00643	0.00517
13	0.00685	0.01167	0.00360	0.00241	0.02189	0.02599	0.02937	0.07641	0.02514	0.00351	0.00282	0.00303	0.00277	0.00732	0.00977	0.00741	0.00880	0.01019	0.00636	0.00527
14	0.00891	0.00761	0.00299	0.00266	0.01107	0.03056	0.03301	0.10489	0.06216	0.00560	0.00276	0.00229	0.00244	0.00596	0.00608	0.00779	0.01015	0.00873	0.00589	0.00560
15	0.00862	0.00837	0.00193	0.00248	0.01140	0.05514	0.06472	0.07690	0.08230	0.01625	0.00380	0.00176	0.00249	0.00514	0.00580	0.00797	0.01094	0.00765	0.00630	0.00604
16	0.00888	0.00901	0.00181	0.00186	0.00990	0.04468	0.06541	0.09988	0.08605	0.05220	0.00375	0.00263	0.00129	0.00416	0.00560	0.00725	0.01038	0.01018	0.00584	0.00735
17	0.01065	0.00938	0.00199	0.00166	0.01037	0.05046	0.05763	0.07780	0.08058	0.08499	0.00317	0.00070	0.00174	0.00474	0.00466	0.00672	0.01290	0.00730	0.00757	0.00515
18	0.00888	0.00663	0.00229	0.00141	0.00714	0.06093	0.08393	0.11026	0.06064	0.07508	0.00971	0.00266	0.00272	0.00426	0.00546	0.00513	0.01687	0.00870	0.00806	0.00635
19	0.01254	0.00819	0.00277	0.00122	0.00688	0.09333	0.06551	0.07666	0.06752	0.07148	0.04657	0.00228	0.00180	0.00339	0.00453	0.00639	0.01304	0.00905	0.00776	0.00640
20	0.00986	0.00840	0.00249	0.00125	0.00639	0.07535	0.06512	0.10888	0.05930	0.09418	0.04595	0.00423	0.00204	0.00252	0.00298	0.00656	0.01227	0.00948	0.00991	0.00652
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