

VG Elemental - Results [D:\VG\AXIOM\DATA\NW Pb1 26-10-04]

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(counts per second) (First sample acquired : Sat Oct 30 17:40:46 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE, RUN, DATE	DLC 1d-7	1	Sat Oct 30 17:40:46 2004					
(Mean)F1 205Tl/203Tl m/r	1.0179800	0.0000	1.0179800	0.0000	30 of 30	1.0179800	0.0000	30 of 30
(Mean)F9 204Pb/206Pb 200	0.0576154	0.0270	0.0576074	0.0240	29 of 30	0.0576074	0.0240	29 of 30
(Mean)F10 204Pb/206Pb 201	0.0575866	0.0349	0.0575773	0.0319	29 of 30	0.0575696	0.0301	28 of 30
(Mean)F11 204Pb/206Pb 202	0.0576108	0.0284	0.0576022	0.0250	29 of 30	0.0576011	0.0216	27 of 30
(Mean)F12 207Pb/206Pb	0.9090888	0.0116	0.9090374	0.0105	29 of 30	0.9090374	0.0105	29 of 30
(Mean)F13 208Pb/206Pb	2.1935380	0.0081	2.1935414	0.0072	28 of 30	2.1936118	0.0067	27 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0600708	0.0348	17.0628400	0.0319	29 of 30	17.0651049	0.0301	28 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.3731478	0.0326	15.3753887	0.0302	29 of 30	15.3773641	0.0257	26 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.7704144	0.0341	36.7757786	0.0319	29 of 30	36.7757786	0.0319	29 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9011190	0.0116	0.9010680	0.0105	29 of 30	0.9010680	0.0105	29 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1553498	0.0081	2.1553532	0.0072	28 of 30	2.1554224	0.0067	27 of 30
(Mean)F19 208Pb/206Pb m/r	1.0119195	0.0081	1.0119211	0.0072	28 of 30	1.0119536	0.0067	27 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.1587524	0.0375	17.1618222	0.0341	29 of 30	17.1643659	0.0318	28 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9037042	0.0123	0.9036454	0.0108	29 of 30	0.9035248	0.0088	26 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.1501486	0.0280	17.1528134	0.0242	29 of 30	17.1546520	0.0202	26 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.1515420	0.0295	17.1543780	0.0253	29 of 30	17.1581132	0.0218	27 of 30
(Mean)F24 Tl/Pb	0.0236888	0.8678	0.0236888	0.8678	30 of 30	0.0236888	0.8678	30 of 30
(Mean)F25 206V	0.3697816	2.8671	0.3656568	2.7648	29 of 30	0.3531963	2.3256	26 of 30
(Mean)F31 206/205	14.3127222	0.8856	14.3127222	0.8856	30 of 30	14.3127222	0.8856	30 of 30
(Mean)F33 206/205 Tl corr	2543.9663717	28.1484	1840.3157126	7.4737	29 of 30	1722.5892607	6.8189	27 of 30
(Mean)F34 206/205 Tl corr mfc	2499.0337953	28.1484	1807.8113024	7.4737	29 of 30	1692.1641834	6.8189	27 of 30
(Mean)F35 205/206 Tl corr mfc	0.0006245	7.9350	0.0006235	6.9737	28 of 30	0.0006063	6.8345	27 of 30

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(counts per second) (First sample acquired : Sat Oct 30 17:50:16 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE, RUN, DATE	NIST glass 601 12	1	Sat Oct 30 17:50:16 2004					
(Mean)F1 205Tl/203Tl m/r	1.0214676	0.0113	1.0214676	0.0113	30 of 30	1.0214676	0.0113	30 of 30
(Mean)F9 204Pb/206Pb 200	0.0574045	0.0139	0.0574118	0.0115	28 of 30	0.0574123	0.0099	26 of 30
(Mean)F10 204Pb/206Pb 201	0.0574259	0.0145	0.0574333	0.0122	28 of 30	0.0574341	0.0105	26 of 30
(Mean)F11 204Pb/206Pb 202	0.0574134	0.0143	0.0574175	0.0110	27 of 30	0.0574145	0.0101	26 of 30
(Mean)F12 207Pb/206Pb	0.9193526	0.0165	0.9194186	0.0154	29 of 30	0.9194186	0.0154	29 of 30
(Mean)F13 208Pb/206Pb	2.2142106	0.0052	2.2142577	0.0049	29 of 30	2.2143907	0.0040	26 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0496667	0.0170	17.0484342	0.0159	29 of 30	17.0472888	0.0134	26 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.5109972	0.0156	15.5100313	0.0148	29 of 30	15.5100313	0.0148	29 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.9695264	0.0274	36.9652589	0.0258	29 of 30	36.9689512	0.0246	28 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9097539	0.0124	0.9097628	0.0108	28 of 30	0.9097628	0.0108	28 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1683423	0.0145	2.1684699	0.0137	29 of 30	2.1684699	0.0137	29 of 30
(Mean)F19 208Pb/206Pb m/r	1.0214562	0.0052	1.0214779	0.0049	29 of 30	1.0215392	0.0040	26 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.0445739	0.0157	17.0434890	0.0148	29 of 30	17.0424849	0.0124	26 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9096192	0.0181	0.9096872	0.0171	29 of 30	0.9096262	0.0163	28 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.0509319	0.0152	17.0508192	0.0135	28 of 30	17.0508363	0.0116	26 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.0482726	0.0156	17.0484017	0.0136	28 of 30	17.0483960	0.0114	26 of 30
(Mean)F24 Tl/Pb	0.1548510	0.2982	0.1544762	0.2648	28 of 30	0.1542801	0.2415	27 of 30
(Mean)F25 206V	1.2776540	5.2386	1.2183504	4.6433	28 of 30	1.1912253	4.3249	27 of 30
(Mean)F31 206/205	2.1725665	0.2952	2.1751353	0.2796	29 of 30	2.1804105	0.2395	27 of 30
(Mean)F33 206/205 Tl corr	659.6468892	3.7910	636.8986392	3.2598	28 of 30	617.1100123	2.6994	26 of 30
(Mean)F34 206/205 Tl corr mfc	645.8617418	3.8035	623.5164777	3.2710	28 of 30	604.0759925	2.7088	26 of 30
(Mean)F35 205/206 Tl corr mfc	0.0016056	3.3092	0.0016258	3.1302	29 of 30	0.0016662	2.7394	27 of 30

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(counts per second) (First sample acquired : Sun Oct 31 11:39:40 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE, RUN, DATE	NIST glass 601	1	Sun Oct 31 11:39:40 2004					
(Mean)F1 205Tl/203Tl m/r	1.0180929	0.0109	1.0180440	0.0101	29 of 30	1.0180440	0.0101	29 of 30
(Mean)F9 204Pb/206Pb 200	0.0576046	0.0127	0.0576046	0.0127	30 of 30	0.0576046	0.0127	30 of 30
(Mean)F10 204Pb/206Pb 201	0.0576240	0.0122	0.0576240	0.0122	30 of 30	0.0576240	0.0122	30 of 30
(Mean)F11 204Pb/206Pb 202	0.0576154	0.0125	0.0576125	0.0119	29 of 30	0.0576099	0.0113	28 of 30
(Mean)F12 207Pb/206Pb	0.9179749	0.0184	0.9178696	0.0148	29 of 30	0.9178098	0.0138	28 of 30
(Mean)F13 208Pb/206Pb	2.2066975	0.0041	2.2066975	0.0041	30 of 30	2.2066975	0.0041	30 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0470643	0.0129	17.0460829	0.0104	27 of 30	17.0453713	0.0099	26 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.5107320	0.0154	15.5091246	0.0117	29 of 30	15.5113181	0.0097	26 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.9587949	0.0222	36.9625274	0.0205	29 of 30	36.9565364	0.0184	27 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9098772	0.0139	0.9097873	0.0101	29 of 30	0.9097510	0.0096	28 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1680441	0.0136	2.1681802	0.0125	29 of 30	2.1682880	0.0119	28 of 30
(Mean)F19 208Pb/206Pb m/r	1.0179902	0.0041	1.0179902	0.0041	30 of 30	1.0179902	0.0041	30 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.0443393	0.0146	17.0443393	0.0146	30 of 30	17.0443393	0.0146	30 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9098052	0.0197	0.9096943	0.0161	29 of 30	0.9096275	0.0148	28 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.0500918	0.0152	17.0490622	0.0145	29 of 30	17.0490622	0.0145	29 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.0468936	0.0150	17.0478955	0.0142	29 of 30	17.0469722	0.0121	26 of 30
(Mean)F24 Tl/Pb	0.1505628	0.1773	0.1505628	0.1773	30 of 30	0.1505628	0.1773	30 of 30
(Mean)F25 206V	1.5613501	1.5829	1.5677262	1.0363	28 of 30	1.5515173	0.8026	26 of 30
(Mean)F31 206/205	2.2409000	0.1797	2.2409000	0.1797	30 of 30	2.2409000	0.1797	30 of 30
(Mean)F33 206/205 Tl corr	-37.0322817	-3354.0101	66.8422497	1573.7167	28 of 30	66.8422497	1573.7167	28 of 30
(Mean)F34 206/205 Tl corr mfc	-38.5795227	-3162.6325	63.4595729	1628.3254	28 of 30	63.4595729	1628.3254	28 of 30
(Mean)F35 205/206 Tl corr mfc	0.0000507	97.5629	0.0000287	160.0276	29 of 30	0.0000287	160.0276	29 of 30

Cont of Std prior to Dec 18 ~ 8 .

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(counts per second) (First sample acquired : Sun Oct 31 11:42:32 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE, RUN, DATE	NIST glass 601	1	Sun Oct 31 11:42:32 2004					
(Mean)F1 205Tl/203Tl m/r	1.0181893	0.0095	1.0181410	0.0085	29 of 30	1.0181048	0.0080	28 of 30
(Mean)F9 204Pb/206Pb 200	0.0576207	0.0100	0.0576207	0.0100	30 of 30	0.0576207	0.0100	30 of 30
(Mean)F10 204Pb/206Pb 201	0.0576349	0.0110	0.0576324	0.0104	29 of 30	0.0576324	0.0104	29 of 30
(Mean)F11 204Pb/206Pb 202	0.0576265	0.0103	0.0576265	0.0103	30 of 30	0.0576265	0.0103	30 of 30
(Mean)F12 207Pb/206Pb	0.9179673	0.0121	0.9179164	0.0111	29 of 30	0.9178373	0.0100	27 of 30
(Mean)F13 208Pb/206Pb	2.2070297	0.0037	2.2070671	0.0034	29 of 30	2.2071292	0.0029	27 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0422446	0.0127	17.0413551	0.0120	29 of 30	17.0405599	0.0115	28 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.5054970	0.0133	15.5047072	0.0128	29 of 30	15.5047072	0.0128	29 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.9504573	0.0204	36.9504573	0.0204	30 of 30	36.9504573	0.0204	30 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9098273	0.0091	0.9097482	0.0072	28 of 30	0.9097482	0.0072	28 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1681681	0.0112	2.1683768	0.0096	28 of 30	2.1683768	0.0096	28 of 30
(Mean)F19 208Pb/206Pb m/r	1.0181435	0.0037	1.0181608	0.0034	29 of 30	1.0181894	0.0029	27 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.0385344	0.0126	17.0393959	0.0120	29 of 30	17.0393959	0.0120	29 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9097290	0.0131	0.9096729	0.0120	29 of 30	0.9095838	0.0106	27 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.0427420	0.0116	17.0427420	0.0116	30 of 30	17.0427420	0.0116	30 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.0410281	0.0118	17.0410281	0.0118	30 of 30	17.0410281	0.0118	30 of 30
(Mean)F24 Tl/Pb	0.1473583	0.1454	0.1475663	0.1149	28 of 30	0.1477404	0.0867	26 of 30
(Mean)F25 206V	1.7360556	2.4739	1.6830936	1.3478	28 of 30	1.6556758	0.7694	26 of 30
(Mean)F31 206/205	2.2893224	0.1451	2.2860893	0.1148	28 of 30	2.2833956	0.0867	26 of 30
(Mean)F33 206/205 Tl corr	-17195.879165	-90.6878	-1873.8858992	-160.3530	29 of 30	2406.8150947	63.6254	26 of 30
(Mean)F34 206/205 Tl corr mfc	-16894.407388	-90.6757	-1843.0377764	-160.1573	29 of 30	2362.0544685	63.6860	26 of 30
(Mean)F35 205/206 Tl corr mfc	0.0000910	46.0549	0.0000702	53.6478	29 of 30	0.0000545	65.0853	28 of 30

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(counts per second) (First sample acquired : Sun Oct 31 11:49:15 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE, RUN, DATE	2. DLC 1d-8	1	Sun Oct 31 11:49:15 2004					
(Mean)F1 205Tl/203Tl m/r	1.0181400	0.0000	1.0181400	0.0000	30 of 30	1.0181400	0.0000	30 of 30
(Mean)F9 204Pb/206Pb 200	0.0576415	0.0395	0.0576409	0.0347	28 of 30	0.0576409	0.0347	28 of 30
(Mean)F10 204Pb/206Pb 201	0.0576382	0.0405	0.0576386	0.0359	28 of 30	0.0576549	0.0323	26 of 30
(Mean)F11 204Pb/206Pb 202	0.0576341	0.0405	0.0576332	0.0351	28 of 30	0.0576332	0.0351	28 of 30
(Mean)F12 207Pb/206Pb	0.9088063	0.0135	0.9088583	0.0127	29 of 30	0.9087688	0.0115	27 of 30
(Mean)F13 208Pb/206Pb	2.1887648	0.0078	2.1888464	0.0071	29 of 30	2.1889060	0.0061	26 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0421589	0.0405	17.0420115	0.0359	28 of 30	17.0371828	0.0324	26 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.3510495	0.0427	15.3536867	0.0404	29 of 30	15.3536867	0.0404	29 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.6462104	0.0413	36.6458881	0.0370	28 of 30	36.6458881	0.0370	28 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9007691	0.0135	0.9008206	0.0127	29 of 30	0.9007319	0.0115	27 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1503268	0.0078	2.1504068	0.0071	29 of 30	2.1504654	0.0061	26 of 30
(Mean)F19 208Pb/206Pb m/r	1.0097176	0.0078	1.0097552	0.0071	29 of 30	1.0097827	0.0061	26 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.1811499	0.0412	17.1810040	0.0368	28 of 30	17.1784231	0.0348	27 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9044106	0.0142	0.9043488	0.0129	29 of 30	0.9043488	0.0129	29 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.1801648	0.0401	17.1803171	0.0354	28 of 30	17.1803171	0.0354	28 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.1823767	0.0416	17.1826301	0.0365	28 of 30	17.1826301	0.0365	28 of 30
(Mean)F24 Tl/Pb	0.0258557	0.6021	0.0258643	0.4896	28 of 30	0.0259744	0.4156	26 of 30
(Mean)F25 206V	0.3397300	1.8556	0.3337561	1.5185	28 of 30	0.3290110	1.2534	26 of 30
(Mean)F31 206/205	13.1490902	0.6121	13.1054492	0.4439	27 of 30	13.0805291	0.4177	26 of 30
(Mean)F33 206/205 Tl corr	8804.0549179	93.2199	937.1757566	258.2991	29 of 30	-681.9782683	-260.3017	26 of 30
(Mean)F34 206/205 Tl corr mfc	8647.1951576	93.2199	920.4783183	258.2991	29 of 30	-669.8276231	-260.3017	26 of 30
(Mean)F35 205/206 Tl corr mfc	-0.0000492	-93.1363	-0.0000492	-93.1363	30 of 30	-0.0000492	-93.1363	30 of 30

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(counts per second) (First sample acquired : Sun Oct 31 11:55:34 2004)

	Mean (before rej)	%Std Error (before rej)	Mean (after rej 2SD)	%Std Error (after rej 2SD)	Accepted results	Mean (after cyclic rej 2SD)	%Std Error (after cyclic rej 2SD)	Accepted cyclic results
SAMPLE RUN, DATE	Nist glass 610 2	1	Sun Oct 31 11:55:34 2004					
(Mean)F1 205Tl/203Tl m/r	1.0179725	0.0093	1.0179334	0.0087	29 of 30	1.0179334	0.0087	29 of 30
(Mean)F9 204Pb/206Pb 200	0.0576197	0.0155	0.0576197	0.0136	28 of 30	0.0576231	0.0127	27 of 30
(Mean)F10 204Pb/206Pb 201	0.0576333	0.0165	0.0576382	0.0146	29 of 30	0.0576348	0.0139	28 of 30
(Mean)F11 204Pb/206Pb 202	0.0576274	0.0162	0.0576316	0.0150	29 of 30	0.0576350	0.0142	28 of 30
(Mean)F12 207Pb/206Pb	0.9179448	0.0119	0.9178580	0.0106	28 of 30	0.9178580	0.0106	28 of 30
(Mean)F13 208Pb/206Pb	2.2067479	0.0041	2.2067848	0.0039	29 of 30	2.2068217	0.0037	28 of 30
(Mean)F14 206Pb/204Pb Tl fc	17.0463388	0.0199	17.0434000	0.0170	28 of 30	17.0406926	0.0140	26 of 30
(Mean)F15 207Pb/204Pb Tl fc	15.5104748	0.0227	15.5102718	0.0192	28 of 30	15.5078862	0.0172	26 of 30
(Mean)F16 208Pb/204Pb Tl fc	36.9623733	0.0268	36.9582902	0.0253	29 of 30	36.9469419	0.0208	26 of 30
(Mean)F17 207Pb/206Pb Tl fc	0.9099006	0.0093	0.9099344	0.0089	29 of 30	0.9099009	0.0073	26 of 30
(Mean)F18 208Pb/206Pb Tl fc	2.1683461	0.0109	2.1682519	0.0104	29 of 30	2.1682519	0.0104	29 of 30
(Mean)F19 208Pb/206Pb m/r	1.0180135	0.0041	1.0180305	0.0039	29 of 30	1.0180476	0.0037	28 of 30
(Mean)F20 206Pb/204Pb 8/6 201	17.0412132	0.0176	17.0396495	0.0156	29 of 30	17.0396495	0.0156	29 of 30
(Mean)F21 207Pb/206Pb 8/6 corr	0.9097649	0.0131	0.9096665	0.0115	28 of 30	0.9097083	0.0109	27 of 30
(Mean)F22 206Pb/204Pb 8/6 200	17.0452465	0.0166	17.0440301	0.0155	29 of 30	17.0430451	0.0131	26 of 30
(Mean)F23 206Pb/204Pb 8/6 202	17.0429714	0.0173	17.0416105	0.0159	29 of 30	17.0383884	0.0134	26 of 30
(Mean)F24 Tl/Pb	0.1465308	0.1411	0.1465308	0.1411	30 of 30	0.1465308	0.1411	30 of 30
(Mean)F25 206V	1.2801851	2.4393	1.2466591	1.7172	28 of 30	1.2273643	1.4407	26 of 30
(Mean)F31 206/205	2.3025460	0.1410	2.3025460	0.1410	30 of 30	2.3025460	0.1410	30 of 30
(Mean)F33 206/205 Tl corr	-9850.2673962	-139.2386	-6038.5940975	-93.3506	28 of 30	1467.5106257	158.1669	26 of 30
(Mean)F34 206/205 Tl corr mfc	-9677.0290382	-139.2061	-5933.2677916	-93.3150	28 of 30	1439.1035837	158.4153	26 of 30
(Mean)F35 205/206 Tl corr mfc	-0.0000726	-56.3917	-0.0000894	-43.1779	29 of 30	-0.0000894	-43.1779	29 of 30