

## Palo Alto Total Digestion: 2000

### 1/1/2000: 87% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5358	10	10	µg/ml	286.2359	0.74203	0.24131	243.2992	8.78954	0.55272	0.17538	0.66459	0.73956
Tot2	0.5592	10	10		301.6856	0.7792	0.25126	252.0288	9.1486	0.57462	0.18545	0.68074	0.78396
				µg/g	53422.15	138.4901	45.03733	45408.59	1640.452	103.1579	32.73236	124.037	138.0291
					53949.49	139.3419	44.93205	45069.53	1636.016	102.7575	33.16345	121.7346	140.1931
<b>Average</b>					<b>53685.82</b>	<b>138.916</b>	<b>44.98469</b>	<b>45239.06</b>	<b>1638.234</b>	<b>102.9577</b>	<b>32.94791</b>	<b>122.8858</b>	<b>139.1111</b>
<b>Std</b>					<b>372.8833</b>	<b>0.60232</b>	<b>0.074445</b>	<b>239.7537</b>	<b>3.136672</b>	<b>0.283114</b>	<b>0.304823</b>	<b>1.627995</b>	<b>1.530192</b>

### 2/15/2000: 83% < 100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5503	10	10	µg/ml	323.7401	0.78661	0.27654	257.6026	7.67749	0.58309	0.18809	0.72056	0.82281
Tot2	0.5322	10	10		313.7416	0.75519	0.26447	243.5284	7.26216	0.54822	0.177	0.69931	0.7776
				µg/g	58829.75	142.942	50.25259	46811.3	1395.146	105.9586	34.17954	130.9395	149.5203
					58951.82	141.8997	49.69372	45758.82	1364.555	103.0101	33.25817	131.3998	146.1105
<b>Average</b>					<b>58890.78</b>	<b>142.4208</b>	<b>49.97316</b>	<b>46285.06</b>	<b>1379.85</b>	<b>104.4844</b>	<b>33.71886</b>	<b>131.1697</b>	<b>147.8154</b>
<b>Std</b>					<b>86.31627</b>	<b>0.737067</b>	<b>0.395177</b>	<b>744.2178</b>	<b>21.63153</b>	<b>2.084849</b>	<b>0.651503</b>	<b>0.325525</b>	<b>2.411076</b>

### 3/22/2000: 84% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5424	10	10	µg/ml	286.155	0.72496	0.24529	233.1639	5.35563	0.53332	0.17094	0.66544	0.74995
Tot2	0.5215	10	10		248.4681	0.65318	0.21967	220.1673	5.05992	0.50143	0.15831	0.58246	0.69485
				µg/g	52757.2	133.6578	45.22308	42987.44	987.3949	98.32596	31.51549	122.6844	138.2651
					47644.89	125.2502	42.12272	42218.09	970.2627	96.15149	30.35666	111.6894	133.2407
<b>Average</b>					<b>50201.04</b>	<b>129.454</b>	<b>43.6729</b>	<b>42602.76</b>	<b>978.8288</b>	<b>97.23872</b>	<b>30.93608</b>	<b>117.1869</b>	<b>135.7529</b>
<b>Std</b>					<b>3614.944</b>	<b>5.945055</b>	<b>2.192285</b>	<b>544.0107</b>	<b>12.1143</b>	<b>1.537584</b>	<b>0.819412</b>	<b>7.774645</b>	<b>3.552834</b>

### 4/10/2000: 92% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5303	10	10	µg/ml	269.0626	0.68993	0.23432	231.438	6.77679	0.51834	0.16323	0.63307	0.72987
Tot2	0.5174	10	10		280.8794	0.70883	0.23851	229.045	6.67528	0.50983	0.16303	0.6697	0.72026
				µg/g	50737.81	130.1018	44.18631	43642.84	1277.916	97.74467	30.78069	119.3796	137.6334
					54286.7	136.9985	46.0978	44268.46	1290.158	98.53692	31.50947	129.4356	139.2076
<b>Average</b>					<b>52512.25</b>	<b>133.5501</b>	<b>45.14205</b>	<b>43955.65</b>	<b>1284.037</b>	<b>98.14079</b>	<b>31.14508</b>	<b>124.4076</b>	<b>138.4205</b>
<b>Std</b>					<b>2509.443</b>	<b>4.87665</b>	<b>1.351625</b>	<b>442.3813</b>	<b>8.65655</b>	<b>0.5602</b>	<b>0.515325</b>	<b>7.110696</b>	<b>1.1131</b>

**6/19/2000: 60% < 100 µm**

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5992	10	10	µg/ml	230.8384	0.64393	0.20722	216.1977	3.84215	0.4837	0.14972	0.59026	0.66772
Tot2	0.5539	10	10		201.3344	0.56697	0.18633	197.7559	3.52078	0.44517	0.1381	0.5169	0.60172
				µg/g	38524.43	107.465	34.58278	36081.06	641.2133	80.7243	24.98665	98.50801	111.4352
					36348.51	102.3596	33.63965	35702.46	635.6346	80.3701	24.9323	93.32009	108.6333
<b>Average</b>					<b>37436.47</b>	<b>104.9123</b>	<b>34.11121</b>	<b>35891.76</b>	<b>638.4239</b>	<b>80.5472</b>	<b>24.95947</b>	<b>95.91405</b>	<b>110.0343</b>
<b>Std</b>					<b>1538.611</b>	<b>3.610008</b>	<b>0.666894</b>	<b>267.7063</b>	<b>3.944732</b>	<b>0.250455</b>	<b>0.038432</b>	<b>3.668411</b>	<b>1.981256</b>

**9/13/2000: 70% <100 µm**

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5534	10	10	µg/ml	187.0921	0.53335	0.16841	187.8735	4.54704	0.42232	0.1338	0.48468	0.57112
Tot2	0.5506	10	10		196.4882	0.5515	0.17237	185.964	4.51871	0.41874	0.13863	0.51962	0.5642
				µg/g	33807.76	96.37694	30.43188	33948.96	821.6552	76.3137	24.17781	87.58222	103.202
					35686.19	100.1635	31.30585	33774.79	820.6883	76.05158	25.17799	94.37341	102.47
<b>Average</b>					<b>34746.97</b>	<b>98.2702</b>	<b>30.86886</b>	<b>33861.87</b>	<b>821.1718</b>	<b>76.18264</b>	<b>24.6779</b>	<b>90.97781</b>	<b>102.836</b>
<b>Std</b>					<b>1328.252</b>	<b>2.677471</b>	<b>0.617992</b>	<b>123.1567</b>	<b>0.683689</b>	<b>0.185345</b>	<b>0.707232</b>	<b>4.802098</b>	<b>0.517596</b>

**11/09/2000: 66% <100 µm**

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.7597	10	10	µg/ml	264.3157	0.66822	0.20461	246.9677	6.94064	0.54481	0.18974	0.55799	0.62334
Tot2	0.7672	10	10		266.2437	0.69049	0.20282	251.636	7.31769	0.56019	0.19498	0.56345	0.63296
				µg/g	34792.11	87.9584	26.933	32508.58	913.6027	71.71383	24.97565	73.44873	82.05081
					34703.3	90.0013	26.43639	32799.27	953.8178	73.01747	25.41449	73.44239	82.50261
<b>Average</b>					<b>34747.7</b>	<b>88.97985</b>	<b>26.6847</b>	<b>32653.93</b>	<b>933.7103</b>	<b>72.36565</b>	<b>25.19507</b>	<b>73.44556</b>	<b>82.27671</b>
<b>Std</b>					<b>62.80258</b>	<b>1.444548</b>	<b>0.351155</b>	<b>205.5482</b>	<b>28.43633</b>	<b>0.921807</b>	<b>0.310311</b>	<b>0.004484</b>	<b>0.319469</b>

**12/12/2000: 61% <100 µm**

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5947	10	10	µg/ml	243.3941	0.60272	0.19055	230.3314	7.21784	0.50591	0.16968	0.49652	0.57588
Tot2	0.6107	10	10		270.7862	0.64922	0.20778	239.3676	7.43423	0.50911	0.17708	0.54023	0.59683
				µg/g	40927.2	101.3486	32.04137	38730.69	1213.694	85.06978	28.53203	83.49084	96.83538
					44340.3	106.3075	34.02325	39195.61	1217.329	83.36499	28.99623	88.46078	97.72884
<b>Average</b>					<b>42633.75</b>	<b>103.828</b>	<b>33.03231</b>	<b>38963.15</b>	<b>1215.512</b>	<b>84.21739</b>	<b>28.76413</b>	<b>85.97581</b>	<b>97.28211</b>
<b>Std</b>					<b>2413.422</b>	<b>3.506498</b>	<b>1.401405</b>	<b>328.7497</b>	<b>2.570329</b>	<b>1.20547</b>	<b>0.32824</b>	<b>3.514283</b>	<b>0.631769</b>

## Palo Alto HCl Extracts: 2000

1/18/2000

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5763	12	µg/ml	111.6744	0.24729	0.96402	244.0981	55.35838	0.34219	0.9582	0.56244	1.97396
HCl2	0.5364	12		104.6224	0.22601	0.89319	230.8616	52.32227	0.32339	0.90217	0.53009	1.84072
			µg/g	2325.338	5.149193	20.0733	5082.73	1152.699	7.125247	19.95211	11.7114	41.10276
				2340.545	5.056152	19.98188	5164.689	1170.521	7.234676	20.18277	11.85884	41.17942
<b>Average</b>				<b>2332.941</b>	<b>5.102673</b>	<b>20.02759</b>	<b>5123.71</b>	<b>1161.61</b>	<b>7.179961</b>	<b>20.06744</b>	<b>11.78512</b>	<b>41.14109</b>
<b>Std</b>				<b>7.603561</b>	<b>0.046521</b>	<b>0.045708</b>	<b>40.9795</b>	<b>8.910681</b>	<b>0.054714</b>	<b>0.115333</b>	<b>0.073718</b>	<b>0.03833</b>

2/15/2000

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5361	12	µg/ml	112.6398	0.23519	1.01791	251.1233	43.14474	0.38757	0.91315	0.58557	2.05558
HCl2	0.5458	12		114.456	0.23842	1.0388	253.4317	44.23473	0.39128	0.92978	0.59397	2.10043
			µg/g	2521.316	5.264466	22.78478	5621.115	965.7468	8.675322	20.43984	13.10733	46.01186
				2516.438	5.24192	22.83914	5571.968	972.5481	8.602712	20.44221	13.05907	46.18021
<b>Average</b>				<b>2518.877</b>	<b>5.253193</b>	<b>22.81196</b>	<b>5596.542</b>	<b>969.1475</b>	<b>8.639017</b>	<b>20.44103</b>	<b>13.0832</b>	<b>46.09604</b>
<b>Std</b>				<b>2.439066</b>	<b>0.011273</b>	<b>0.027178</b>	<b>24.57323</b>	<b>3.400637</b>	<b>0.036305</b>	<b>0.001185</b>	<b>0.024131</b>	<b>0.084175</b>

3/22/2000

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5262	12	µg/ml	101.6391	0.21885	0.94634	225.1833	28.54431	0.363	0.86677	0.52215	1.97163
HCl2	0.5501	12		104.8146	0.21621	0.99073	229.2563	29.34093	0.37036	0.90018	0.53814	2.0086
			µg/g	2317.881	4.990878	21.5813	5135.309	650.9535	8.278221	19.7667	11.90764	44.96306
				2286.449	4.716452	21.612	5001.046	640.0494	8.079113	19.63672	11.7391	43.81603
<b>Average</b>				<b>2302.165</b>	<b>4.853665</b>	<b>21.59665</b>	<b>5068.178</b>	<b>645.5014</b>	<b>8.178667</b>	<b>19.70171</b>	<b>11.82337</b>	<b>44.38954</b>
<b>Std</b>				<b>15.71579</b>	<b>0.137213</b>	<b>0.015349</b>	<b>67.13144</b>	<b>5.452052</b>	<b>0.099554</b>	<b>0.064992</b>	<b>0.084269</b>	<b>0.573511</b>

4/10/2000

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5177	12	µg/ml	97.35291	0.19207	0.83352	192.7745	38.70071	0.33028	0.81426	0.47607	1.77145
HCl2	0.5267	12		99.87035	0.20253	0.84261	199.5772	39.18439	0.33862	0.82351	0.48708	1.8125
			µg/g	2256.587	4.452076	19.32053	4468.406	897.0611	7.655708	18.8741	11.03504	41.06123
				2275.383	4.614316	19.19749	4547.042	892.7524	7.714904	18.76233	11.09732	41.29485
<b>Average</b>				<b>2265.985</b>	<b>4.533196</b>	<b>19.25901</b>	<b>4507.724</b>	<b>894.9067</b>	<b>7.685306</b>	<b>18.81821</b>	<b>11.06618</b>	<b>41.17804</b>
<b>Std</b>				<b>9.398139</b>	<b>0.08112</b>	<b>0.06152</b>	<b>39.31789</b>	<b>2.154348</b>	<b>0.029598</b>	<b>0.055883</b>	<b>0.031142</b>	<b>0.116811</b>

**6/19/2000**

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5546	12	µg/ml	80.24803	0.15255	0.7077	187.2361	16.74408	0.28482	0.73477	0.37164	1.66283
HCl2	0.5594	12		81.31013	0.15669	0.70419	190.1018	16.68748	0.2863	0.73597	0.37593	1.65785
			µg/g	1736.344	3.300757	15.31266	4051.269	362.2953	6.162712	15.89838	8.041255	35.97901
				1744.229	3.361244	15.10597	4077.98	357.9724	6.14158	15.7877	8.064283	35.56346
<b>Average</b>				<b>1740.286</b>	<b>3.331001</b>	<b>15.20931</b>	<b>4064.624</b>	<b>360.1338</b>	<b>6.152146</b>	<b>15.84304</b>	<b>8.052769</b>	<b>35.77124</b>
<b>Std</b>				<b>3.942393</b>	<b>0.030243</b>	<b>0.103344</b>	<b>13.35577</b>	<b>2.161438</b>	<b>0.010566</b>	<b>0.055338</b>	<b>0.011514</b>	<b>0.207776</b>

**9/13/2000**

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5417	12	µg/ml	75.04475	0.14715	0.68596	180.9306	25.45315	0.26352	0.75516	0.35932	1.50666
HCl2	0.5519	12		76.30331	0.15288	0.70098	186.6002	26.41503	0.26847	0.76885	0.36841	1.55795
			µg/g	1662.428	3.259738	15.19572	4008.061	563.8505	5.837622	16.72867	7.95983	33.37626
				1659.068	3.32408	15.24146	4057.262	574.3438	5.837362	16.71716	8.010364	33.87461
<b>Average</b>				<b>1660.748</b>	<b>3.291909</b>	<b>15.21859</b>	<b>4032.661</b>	<b>569.0972</b>	<b>5.837492</b>	<b>16.72291</b>	<b>7.985097</b>	<b>33.62544</b>
<b>Std</b>				<b>1.679689</b>	<b>0.032171</b>	<b>0.02287</b>	<b>24.60009</b>	<b>5.24668</b>	<b>0.00013</b>	<b>0.005755</b>	<b>0.025267</b>	<b>0.249178</b>

**11/9/2000**

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.571	12	µg/ml	70.06039	0.14026	0.64668	174.4087	31.0086	0.264	0.82471	0.33473	1.30816
HCl2	0.532	12		66.72739	0.12734	0.60738	163.7541	28.73255	0.24441	0.76857	0.31325	1.25898
			µg/g	1472.372	2.947671	13.59047	3665.331	651.6694	5.548161	17.33191	7.034606	27.49198
				1505.129	2.872331	13.7003	3693.701	648.1026	5.513008	17.33617	7.065789	28.39805
<b>Average</b>				<b>1488.751</b>	<b>2.910001</b>	<b>13.64539</b>	<b>3679.516</b>	<b>649.886</b>	<b>5.530584</b>	<b>17.33404</b>	<b>7.050198</b>	<b>27.94501</b>
<b>Std</b>				<b>16.37831</b>	<b>0.03767</b>	<b>0.054914</b>	<b>14.18456</b>	<b>1.78336</b>	<b>0.017577</b>	<b>0.002128</b>	<b>0.015592</b>	<b>0.453033</b>

**12/12/2000**

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.503	12	µg/ml	76.54453	0.15702	0.70694	177.6214	34.89665	0.26196	0.79609	0.36825	1.26202
HCl2	0.5676	12		91.14401	0.1844	0.81181	195.909	38.73235	0.29898	0.91096	0.41034	1.55135
			µg/g	1826.112	3.746004	16.86537	4237.487	832.5245	6.249543	18.99221	8.785288	30.10783
				1926.935	3.89852	17.163	4141.839	818.8658	6.32093	19.2592	8.675264	32.7981
<b>Average</b>				<b>1876.523</b>	<b>3.822262</b>	<b>17.01418</b>	<b>4189.663</b>	<b>825.6951</b>	<b>6.285236</b>	<b>19.1257</b>	<b>8.730276</b>	<b>31.45297</b>
<b>Std</b>				<b>50.41131</b>	<b>0.076258</b>	<b>0.148817</b>	<b>47.82439</b>	<b>6.829351</b>	<b>0.035694</b>	<b>0.133495</b>	<b>0.055012</b>	<b>1.345132</b>