

Palo Alto Total Digestion: 2001

1/09/2001: 59% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5666	10	10	µg/ml	267.292	0.65249	0.21547	231.9289	7.70147	0.52638	0.17603	0.55286	0.5828
Tot2	0.509	10	10		261.4027	0.62412	0.19641	215.3479	6.93082	0.48333	0.16782	0.5481	0.53432
				µg/g	47174.72	115.1588	38.02859	40933.44	1359.243	92.90152	31.06777	97.57501	102.8592
					51356.13	122.6169	38.58743	42308.03	1361.654	94.95678	32.97053	107.6817	104.9745
Average					49265.43	118.8879	38.30801	41620.73	1360.449	93.92915	32.01915	102.6284	103.9168
Std					2956.701	5.27364	0.395156	971.9829	1.705097	1.453288	1.345453	7.14653	1.495743

2/05/2001: 68% < 100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5334	10	10	µg/ml	276.9366	0.62088	0.2097	227.088	3.93085	0.51702	0.17186	0.54488	0.53026
Tot2	0.5185	10	10		261.277	0.59508	0.20107	218.0739	3.77477	0.50467	0.16342	0.52192	0.50811
				µg/g	51919.12	116.4004	39.31384	42573.67	736.9423	96.92913	32.21972	102.1522	99.41132
					50390.93	114.7695	38.77917	42058.61	728.0174	97.33269	31.51784	100.6596	97.99614
Average					51155.03	115.585	39.0465	42316.14	732.4798	97.13091	31.86878	101.4059	98.70373
Std					1080.596	1.153236	0.378065	364.2087	6.310857	0.285358	0.496306	1.055453	1.000684

3/05/2001: 71% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5246	10	10	µg/ml	291.1412	0.65003	0.21602	229.2297	6.79326	0.50622	0.17867	0.56603	0.59849
Tot2	0.4864	10	10		250.1538	0.57306	0.18735	214.0077	6.35139	0.46141	0.16141	0.48841	0.54194
				µg/g	55497.74	123.9096	41.17804	43696.09	1294.941	96.49638	34.05833	107.8974	114.085
					51429.65	117.8166	38.51768	43998.29	1305.796	94.86225	33.18462	100.4132	111.4186
Average					53463.7	120.8631	39.84786	43847.19	1300.368	95.67932	33.62148	104.1553	112.7518
Std					2876.577	4.308425	1.881158	213.6898	7.675456	1.155501	0.617805	5.292132	1.885452

4/10/2001: 88% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5599	10	10	µg/ml	316.3985	0.69831	0.22093	241.4515	8.87424	0.51917	0.18105	0.62946	0.60912
Tot2	0.5247	10	10		287.3702	0.63441	0.19867	225.7878	8.32721	0.48984	0.16755	0.56371	0.56039
				µg/g	56509.83	124.7205	39.45883	43124.04	1584.969	92.72549	32.33613	112.4236	108.7909
					54768.48	120.9091	37.86354	43031.79	1587.042	93.3562	31.93253	107.4347	106.802
Average					55639.16	122.8148	38.66119	43077.91	1586.005	93.04085	32.13433	109.9292	107.7964
Std					1231.316	2.695063	1.128041	65.23485	1.466097	0.445984	0.285387	3.527701	1.406346

5/08/2001: 79% < 100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.5329	10	10	µg/ml	322.0836	0.69309	0.21668	234.6715	5.03765	0.49992	0.17542	0.6409	0.59759
Tot2	0.5378	10	10		326.5021	0.71229	0.22254	236.4204	5.06734	0.50126	0.17733	0.65664	0.60225
				µg/g	60439.79	130.06	40.66054	44036.69	945.3275	93.81122	32.918	120.2665	112.1392
					60710.69	132.4451	41.3797	43960.65	942.235	93.20565	32.97322	122.0974	111.984
Average					60575.24	131.2526	41.02012	43998.67	943.7812	93.50844	32.94561	121.182	112.0616
Std					191.5566	1.686519	0.508522	53.7743	2.186673	0.428202	0.039052	1.29469	0.109764

6/12/2001: 61% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.7297	10	10	µg/ml	209.9173	0.65194	0.20486	237.6867	5.56351	0.55032	0.17233	0.50323	0.77727
Tot2	0.7244	10	10		210.7038	0.64905	0.20646	240.0153	5.59143	0.5496	0.17406	0.51436	0.78108
				µg/g	28767.62	89.34357	28.07455	32573.2	762.438	75.41729	23.61655	68.96396	106.5191
					29086.66	89.59829	28.50083	33132.98	771.8705	75.86969	24.02816	71.00497	107.8244
Average					28927.14	89.47093	28.28769	32853.09	767.1543	75.64349	23.82236	69.98446	107.1718
Std					225.5932	0.180116	0.301423	395.8207	6.669803	0.319888	0.29105	1.443213	0.922979

9/18/2001: 41% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.3263	10	10	µg/ml	88.38353	0.25486	0.08322	110.7142	3.19383	0.24883	0.08096	0.24001	0.31042
Tot2	0.3125	10	10		80.45123	0.23352	0.0795	103.3866	3.03997	0.2364	0.07576	0.21916	0.2937
				µg/g	27086.59	78.10604	25.50414	33930.19	978.8017	76.25804	24.81152	73.55501	95.13331
					25744.39	74.7264	25.44	33083.71	972.7904	75.648	24.2432	70.1312	93.984
Average					26415.49	76.41622	25.47207	33506.95	975.7961	75.95302	24.52736	71.84311	94.55866
Std					949.0733	2.389765	0.045352	598.5482	4.250642	0.431367	0.401865	2.421	0.812687

10/15/2001: 61% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.4261	10	10	µg/ml	111.2313	0.34796	0.11494	142.0615	3.89547	0.31988	0.09917	0.29401	0.39863
Tot2	0.4745	10	10		133.2737	0.39786	0.13007	155.2403	4.16509	0.3532	0.1078	0.34924	0.44523
				µg/g	26104.5	81.66158	26.97489	33339.94	914.215	75.07158	23.27388	69.00023	93.55316
					28087.19	83.84826	27.41201	32716.61	877.785	74.43625	22.71865	73.60169	93.8314
Average					27095.84	82.75492	27.19345	33028.27	896	74.75391	22.99627	71.30096	93.69228
Std					1401.973	1.546216	0.309093	440.764	25.75985	0.449247	0.392606	3.253717	0.196749

12/2001: 84% <100 µm

Sample	Weight (g)	Recon. (ml)	Dil. Factor		AL	CR	CU	FE	MN	NI	PB	V	ZN
Tot1	0.75	10	10	µg/ml	260.9113	0.76446	0.24406	274.6148	10.19151	0.62441	0.20182	0.60067	0.90965
Tot2	0.6518	10	10		228.2791	0.66155	0.23106	240.4992	8.849	0.55011	0.17964	0.53992	0.79619
				µg/g	34788.17	101.928	32.54133	36615.3	1358.868	83.25467	26.90933	80.08933	121.2867
					35022.88	101.4959	35.44952	36897.69	1357.625	84.39859	27.5606	82.83523	122.1525
Average					34905.52	101.7119	33.99543	36756.5	1358.247	83.82663	27.23497	81.46228	121.7196
Std					165.965	0.305571	2.056402	199.6806	0.878907	0.808875	0.460516	1.941639	0.612237

Palo Alto HCl Extracts: 2001**1/9/2001**

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN	
HCl1	0.5377	12	µg/ml	92.48112	0.18562	0.74825	206.0426	43.12164	0.30609	0.93237	0.43836	1.40398	
HCl2	0.5202	12		88.91957	0.17479	0.71363	196.9949	41.80683	0.29046	0.8959	0.4218	1.29333	
			µg/g	2063.927	4.142533	16.6989	4598.311	962.3576	6.831095	20.80796	9.783002	31.33301	
				2051.201	4.032065	16.46205	4544.288	964.4021	6.700346	20.66667	9.730104	29.8346	
Average					2057.564	4.087299	16.58048	4571.299	963.3798	6.765721	20.73731	9.756553	30.58381
Std					6.362823	0.055234	0.118425	27.01142	1.022239	0.065375	0.070647	0.026449	0.749204

2/5/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN	
HCl1	0.5451	12	µg/ml	101.3406	0.23396	0.98597	273.7579	18.98625	0.46541	0.95027	0.69176	1.65995	
HCl2	0.514	12		91.98961	0.20726	0.92753	254.0133	17.84705	0.43749	0.90339	0.64096	1.55248	
			µg/g	2230.943	5.150468	21.70545	6026.592	417.9692	10.24568	20.91954	15.22862	36.54265	
				2147.617	4.838755	21.6544	5930.273	416.6626	10.21377	21.09082	14.96405	36.24467	
Average					2189.28	4.994611	21.67992	5978.432	417.3159	10.22973	21.00518	15.09633	36.39366
Std					41.66276	0.155856	0.025526	48.15961	0.653267	0.015953	0.08564	0.132286	0.148992

3/5/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN	
HCl1	0.4101	12	µg/ml	83.65668	0.1677	0.68874	186.9426	32.70776	0.2986	0.78244	0.4104	1.46526	
HCl2	0.3916	12		74.91791	0.15709	0.66112	177.8248	31.03076	0.28381	0.74655	0.38995	1.39776	
			µg/g	2447.891	4.907096	20.15333	5470.158	957.0669	8.737381	22.8951	12.00878	42.8752	
				2295.748	4.81379	20.25904	5449.176	950.8915	8.696936	22.87692	11.94944	42.83228	
Average					2371.82	4.860443	20.20618	5459.667	953.9792	8.717158	22.88601	11.97911	42.85374
Std					76.07157	0.046653	0.052856	10.49096	3.08767	0.020223	0.009092	0.02967	0.021462

4/10/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5134	12	µg/ml	93.70329	0.20227	0.76159	222.1549	48.07516	0.3236	0.89682	0.45733	1.60032
HCl2	0.5309	12		100.0114	0.21081	0.79467	230.5687	50.93735	0.33003	0.92697	0.48355	1.69638
			µg/g	2190.182	4.727776	17.80109	5192.557	1123.689	7.563693	20.9619	10.68944	37.40522
				2260.569	4.764965	17.96203	5211.574	1151.343	7.45971	20.95242	10.92974	38.34349
Average				2225.376	4.74637	17.88156	5202.065	1137.516	7.511701	20.95716	10.80959	37.87436
Std				35.19368	0.018595	0.080468	9.508359	13.8272	0.051992	0.00474	0.12015	0.469136

5/8/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5343	12	µg/ml	96.57822	0.19735	0.81091	207.1423	25.17608	0.31523	0.90677	0.46644	1.74967
HCl2	0.5458	12		93.79162	0.18441	0.79256	201.1163	25.43877	0.30452	0.91764	0.45571	1.71962
			µg/g	2169.078	4.432341	18.21246	4652.269	565.4369	7.079843	20.36541	10.47591	39.29635
				2062.11	4.054452	17.42528	4421.758	559.2987	6.6952	20.1753	10.01927	37.8077
Average				2115.594	4.243397	17.81887	4537.013	562.3678	6.887521	20.27036	10.24759	38.55202
Std				53.48443	0.188945	0.39359	115.2553	3.069114	0.192322	0.095055	0.228319	0.744328

6/12/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.544	12	µg/ml	70.32916	0.13422	0.64291	165.2024	20.95006	0.25235	0.78726	0.32858	1.38487
HCl2	0.5716	12		76.3589	0.1434	0.69928	173.3575	22.97059	0.26347	0.84938	0.35629	1.5159
			µg/g	1551.379	2.960735	14.18184	3644.17	462.1337	5.566544	17.36603	7.248088	30.5486
				1603.056	3.010497	14.68048	3639.416	482.2377	5.531211	17.83163	7.479846	31.82435
Average				1577.217	2.985616	14.43116	3641.793	472.1857	5.548877	17.59883	7.363967	31.18648
Std				25.83873	0.024881	0.249319	2.377015	10.05202	0.017667	0.232801	0.115879	0.637875

9/18/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.3114	12	µg/ml	44.67284	0.07364	0.30188	104.1613	17.4364	0.14164	0.45089	0.20082	0.73656
HCl2	0.3294	12		45.30812	0.07989	0.31931	108.0794	18.05679	0.14876	0.47672	0.20877	0.81929
			µg/g	1721.497	2.837765	11.63314	4013.921	671.9229	5.458189	17.37534	7.738728	28.38382
				1650.569	2.910383	11.63242	3937.319	657.8066	5.419308	17.36685	7.605464	29.84663
Average				1686.033	2.874074	11.63278	3975.62	664.8647	5.438748	17.37109	7.672096	29.11522
Std				35.46384	0.036309	0.000359	38.30094	7.058186	0.01944	0.004244	0.066632	0.731408

10/15/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.4822	12	µg/ml	66.31067	0.12969	0.55568	154.2677	24.50756	0.24072	0.66458	0.32472	1.14844
HCl2	0.4078	12		58.08921	0.10856	0.47681	133.6444	20.95592	0.20989	0.57052	0.27823	0.94208
			µg/g	1650.203	3.227457	13.82862	3839.097	609.8937	5.990543	16.5387	8.080962	28.58001
				1709.344	3.194507	14.0307	3932.646	616.6529	6.176263	16.78823	8.187249	27.72182
Average				1679.774	3.210982	13.92966	3885.872	613.2733	6.083403	16.66346	8.134105	28.15092
Std				29.57039	0.016475	0.101041	46.77416	3.379607	0.09286	0.124766	0.053143	0.429092

12/1/2001

Sample	Weight (g)	Recon. (ml)		AL	CR	CU	FE	MN	NI	PB	V	ZN
HCl1	0.5282	12	µg/ml	101.6907	0.19701	0.6965	216.9019	43.0784	0.29457	0.85405	0.45688	1.59264
HCl2	0.5427	12		102.0744	0.19991	0.71166	219.8958	44.03437	0.29966	0.87023	0.46734	1.75168
			µg/g	2310.278	4.475805	15.82355	4927.723	978.6838	6.692238	19.40288	10.3797	36.18266
				2257.035	4.420343	15.73599	4862.263	973.6732	6.625981	19.24223	10.33367	38.73256
Average				2283.656	4.448074	15.77977	4894.993	976.1785	6.659109	19.32256	10.35668	37.45761
Std				26.62151	0.027731	0.043782	32.72981	2.505321	0.033128	0.080322	0.02302	1.274951