PROYECTO CAMPECHE: RESULTADOS DE CONCENTRACIÓN DE ELEMENTOS TRAZA, SUELO SUPERFICIAL

ANALISIS QUIMICO: LABORATORIO ACTLABS

Id.		Al	Ca	Fe	K	Mg	Na	P	S	Ag	As	B	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho	In	La	Li	Lu	Mn
No.	CLAVE	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	Ca-1F.S	6.32	1.25	3.92	0.7	0.33	0.02	0.03	0.06	0.54	10	12	160	2.6	2.15	1.59	123	15.9	82.6	3.19	32.7	7.87	4.4	1.8	17.6	9.1	0.9	1.6	0.09	54.9	52.5	0.6	1630
2	Ca-1G.S	2.92	0.65	4.97	0.1	0.1	0.01	0.03	0.05	0.13	15	6	64.6	2.8	0.92	0.68	190	18.5	167	1.27	28	10.8	6	2.4	14.8	12.5	0.8	2.1	0.1	93.8	46.6	0.8	1590
3	Ca-1H.S	5.53	1.22	4.26	0.8	0.27	0.02	0.04	0.06	0.29	10.8	13	108	2.5	0.82	1.67	132	18	106	2.75	32.1	8.87	4.8	2.1	16.6	10.1	0.3	1.7	0.09	60	41.2	0.7	1740
4	Ca-2D.S	5.64	0.73	4.39	0.3	0.26	0.03	0.02	0.04	0.38	10.5	3	78.3	2.8	0.71	0.43	140	15	66	3.94	36.2	6.97	3.7	1.8	17	8.4	1.3	1.3	0.09	51.7	50.5	0.5	1120
5	Ca-2E.S	6.31	2.16	3.5	0.9	0.56	0.02	0.03	0.05	0.19	8.3	10	140	2.5	4.2	0.6	112	13.4	64.8	3.37	36.2	6.51	3.6	1.6	16.3	7.7	0.9	1.3	0.07	48.4	52.4	0.5	957
6	Ca-2F.S	5.81	0.75	4.15	0.5	0.27	0.01	0.02	0.03	0.13	8.1	4	95.6	2.7	0.66	0.47	142	15.6	65	3.51	32.7	8.7	4.8	2.1	17.3	10.4	1.4	1.7	0.08	65.6	54.9	0.6	1280
7	Ca-2G.S	5.16	4.02	3.95	0.6	0.58	0.02	0.03	0.06	0.19	9.6	16	110	2.2	0.48	1.01	106	15.2	106	2.55	47.2	6.68	3.8	1.5	14.7	7.8	0.7	1.3	0.08	46.5	36.8	0.5	1320
8	Ca-2H.S	3.61	0.39	6.17	0.2	0.08	0.01	0.02	0.03	0.24	13.3	4	220	4	0.8	1.91	303	27.1	165	0.95	43	20.7	11.3	4.5	17.4	24.6	0.9	4.1	0.11	171	36.3	1.5	3850
9	Ca-3E.S	6.71	1.21	3.31	1.1	0.73	0.02	0.03	0.04	0.14	6.7	11	135	2.4	0.41	0.53	96.6	12	74.1	3.29	33.9	5.45	3	1.3	16.2	6.6	1	1.1	0.07	39.4	50.3	0.4	727
10	Ca-3G.S	3.49	9	2.49	0.4	0.44	0.01	0.03	0.09	0.06	6.6	29	96.4	1.6	0.32	0.63	72.7	9.3	61.1	1.41	33.5	4.09	2.4	0.9	9.84	4.7	0.8	0.8	0.05	25.6	25.6	0.3	904
11	Ca-4D.S	7.36	0.56	2.36	0.2	0.23	0.03	0.02	0.03	0.18	2.1	10	44.1	2.5	0.47	0.48	94.7	4.1	53.7	6.15	35.9	5.03	2.8	1.2	19.1	6	2	1	0.09	38.7	62.6	0.4	185
12	Ca-4E.S	2.11	4.5	1.13	0.4	0.37	0.02	0.03	0.09	0.13	3.1	31	53.6	1	0.19	0.51	41.4	6.2	22.5	1.11	33.6	2.14	1.2	0.5	5.25	2.5	0.4	0.4	0.02	14.8	10.3	0.2	648
14	Ca-4G.S	5.19	1.27	3.93	0.6	0.35	0.02	0.02	0.04	0.13	8.8	20	138	2.8	0.56	1.08	161	18.2	90.9	2.17	35.6	8.79	5	1.8	15.4	10	1.1	1.7	0.08	60.1	37.7	0.7	1690
15	Ca-4H.S	2.76	11.2	2.79	0.3	0.31	0.01	0.03	0.07	0.09	6.9	19	79.4	1.5	0.34	0.77	71.2	8.8	82	1.21	32.9	3.93	2.2	0.9	9.15	4.6	0.4	0.8	0.05	24.7	18.8	0.3	998
16	Ca-5E.S	5.59	1.17	2.97	0.3	0.44	0.04	0.02	0.06	0.12	5.3	3	87.2	2.1	0.43	0.36	89	10.3	44.4	3.13	18.5	5.79	3.2	1.3	14.8	6.7	1.7	1.1	0.07	42.1	37.8	0.4	748
17	Ca-5G.S	5.46	1.51	3.71	0.4	0.47	0.01	0.02	0.04	0.07	8.6	6	190	2.5	0.53	0.66	127	15.3	64.3	3.01	27	7.79	4.3	1.8	15.1	8.8	1.3	1.5	0.08	54	36.7	0.6	1230
18	Ca-5H.S	4.6	0.67	5.37	0.3	0.18	0.02	0.04	0.16	0.15	11.4	3	179	3.2	0.71	1.4	223	33.1	140	2.07	39.3	17	9.6	3.9	16.3	19.9	0.6	3.3	0.1	121	39.5	1.2	3740
19A	Ca-6D.S	5.56	0.42	7.05	0.3	0.14	0.02	0.06	0.02	0.2	13.4	5	370	4.1	0.66	0.87	428	40.1	150	2.02	48.6	15.6	8.3	3.6	19.8	18.3	0.4	3	0.12	110	38.3	1.1	4910
20A	Ca-5F.S	6.78	0.76	3.64	0.2	0.4	0.03	0.02	0.03	0.36	4.8	2	55	2.2	0.41	0.4	88	11.9	51.9	4.66	15.8	5.81	3.2	1.4	18.6	6.7	1.2	1.1	0.09	43.7	45.2	0.4	886
21	Ca-6H.S	4.47	4.91	2.89	0.7	0.42	0.02	0.03	0.08	0.09	6.5	19	160	2	0.4	1.14	86.1	12.6	59	2.29	31.3	5.47	3.1	1.3	12.2	6.3	0.9	1.1	0.06	41.3	29.7	0.4	1380
22	Ca-7E.S	3.62	13.8	2.31	0.4	0.39	0.01	0.18	0.05	0.07	5.4	8	102	1.7	0.3	0.45	102	10	40.4	1.78	23.9	6.07	3.3	1.4	9.61	7	0.6	1.2	0.05	42.6	21.1	0.4	930
23	Ca-7F.S	4.24	0.45	4.69	0.2	0.16	0.01	0.04	0.02	0.12	8.6	4	225	3.3	0.67	0.69	291	35.6	48.8	1.42	41.6	18.2	9.9	4.1	15.9	20.7	0.6	3.5	0.1	142	33.1	1.3	3710
24	Ca-7G.S	6.07	1.27	4.07	0.5	0.58	0.02	0.02	0.03	0.16	9.1	13	255	2.6	0.52	1.06	156	21.9	62.1	4.15	19.2	9.98	5.3	2.5	16.7	12	1	1.9	0.08	91.7	36.5	0.7	2090
25	Ca-7H.S	1.18	3.47	0.82	0.2	0.23	0.01	0.02	0.1	0.05	2.6	30	53.5	0.6	0.13	0.4	27.9	4.6	20.3	0.69	16.6	1.69	1	0.4	3.14	1.9	0.3	0.3	0.02	12.1	6.5	0.1	518
26	Ca-8D.S	4.14	0.43	4.54	0.3	0.14	0.01	0.02	0.02	0.16	9.2	2	303	2.8	0.64	1.54	258	29.9	118	1.17	29.1	16.2	8.8	3.7	15.2	19.6	0.8	3.2	0.09	125	26.1	1.1	5070
27	Ca-8E.S	5.02	1.01	4.2	0.5	0.26	0.01	0.02	0.04	0.08	8.1	6	123	2.4	0.51	0.54	131	16.2	78	2.27	21.6	7.72	4.4	1.8	15.3	9	1.4	1.5	0.08	55.2	38.3	0.6	1520
28	Ca-8F.S	3.84	2.04	3.49	0.5	0.51	0.01	0.03	0.07	0.08	7.7	21	161	2.1	0.38	0.79	117	14.5	99.8	1.75	27.8	6.41	3.6	1.4	11.3	7	1	1.2	0.06	44.7	20.9	0.5	1440
29	Ca-8G.S	4.24	1.07	2.37	0.3	0.31	0.01	0.04	0.08	0.1	4.8	6	113	1.7	0.34	0.32	92.1	8	49.4	2.61	22.7	6.8	3.9	1.6	12.3	8	1.3	1.4	0.06	52.2	29.6	0.5	440
30	Ca-8H.S	5.08	0.37	5.1	0.5	0.21	0.01	0.02	0.02	0.1	9.4	4	208	2.8	0.64	1.01	162	22.6	138	2.53	32.3	13.1	7.4	3	16.4	15.4	0.6	2.6	0.1	107	40.2	1	2100
31	Ca-9D.S	4.03	0.89	3.86	0.2	0.22	0.01	0.02	0.05	0.1	8.1	5	105	2.2	0.57	0.68	123	14	58.7	2.17	28.5	9.36	5.2	2.1	13.4	10.6	1	1.9	0.07	71.4	28.3	0.7	1190
32	Ca-9F.S	5.61	2.25	3.19	0.4	0.57	0.03	0.02	0.03	0.08	5.4	4	203	2.2	0.41	0.63	158	18.6	53.7	3.67	18.2	8.23	4.5	1.9	15.1	9.9	0.8	1.6	0.06	67.6	32.8	0.6	1590
33	Ca-9G.S	5.35	0.35	3.04	0.2	0.21	0.03	0.04	0.05	0.08	3	4	49.6	1.9	0.43	0.28	66.8	10	55.3	3.42	21	4.26	2.4	1	15.3	4.7	0.8	0.8	0.07	24.9	35.3	0.3	696
34	Ca-10D.S	5.84	0.7	3.09	0.1	0.34	0.03	0	0.01	0.06	1.9	2	71.5	2	0.43	0.38	85.8	10.4	47.8	2.73	15.1	5.31	2.9	1.2	16.2	5.9	1.3	1	0.07	34.2	30.6	0.4	798
35	Ca-10E.S	4.93	0.74	3.2	0.4	0.19	0.01	0.02	0.05	0.11	5.3	4	84.4	2.1	0.45	0.5	122	16	56.1	3.05	27.9	7.75	4.3	1.8	13.7	9.2	1	1.5	0.06	63.6	38.6	0.6	1470
36	Ca-10F.S	4.27	0.59	2.36	0.1	0.24	0.02	0.02	0.06	0.08	1.7	17	53.9	1.3	0.32	0.36	54.1	5.1	42.5	2.03	13.6	3.91	2.2	0.9	12.1	4.3	1.2	0.8	0.05	24	24.5	0.3	300
37	Ca-10H.S	5.29	1.13	3.77	0.5	0.41	0.03	0.03	0.05	0.08	9	7	157	2.5	0.53	0.64	121	12.3	70.9	2.49	22.9	9.47	5.3	2.2	14.8	10.8	0.7	1.9	0.07	71.3	38.6	0.7	1050
38	Ca-11D.S	6.23	2.07	2.88	0.9	0.59	0.01	0.03	0.06	0.13	4.7	17	314	2.4	0.39	0.95	96.4	13.7	46.5	2.66	23.6	5.75	3.3	1.3	14.4	6.3	1.1	1.1	0.06	39.7	27.8	0.4	1260
39	Ca-11F.S	5.89	0.54	2.7	0.2	0.25	0.02	0.02	0.04	0.13	1.4	0.1	101	1.8	0.31	0.2	66.6	5.3	58.3	2.41	23.5	3.64	2	0.8	15.7	4	1.7	0.7	0.07	25.7	43.2	0.3	135
40	Ca-11G.S	4.02	1.24	2.57	0.2	0.28	0.02	0.03	0.07	0.13	2.2	0.1	87.3	1.7	0.3	0.57	98.7	15.3	41.9	1.05	19.9	6.25	3.5	1.5	10.8	6.9	0.4	1.2	0.05	41.9	25.2	0.4	1200

PROYECTO CAMPECHE: RESULTADOS DE CONCENTRACIÓN DE ELEMENTOS TRAZA, SUELO SUPERFICIAL

ANALISIS QUIMICO: LABORATORIO ACTLABS

Id.		Mo	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Se	Sm	Sn	Sr	Tb	Th	Tl	Tm	U	V	Y	Yb	Zn	Zr	Ti	Ge	Nb	Te	Ta	W	Re	Au
No.	CLAVE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb
1	Ca-1F.S	1.01	50.4	43.1	46.5	13.1	66.2	0.78	8	1.6	10.2	3.08	12.5	1.3	12.8	0.67	0.6	0.3	60	44.9	3.9	65.7	35.7	0.02	0.1	1.6	0.05	< 0.05	< 0.1	0.001	< 5
2	Ca-1G.S	2.15	79.6		66.3	21.2	14.6	2.17	7.4	1.8	15	3.77	14.3	1.8	17.6	0.51	0.9	0.4	143	56.3	5.6	41.5	39.1	0.03	0.2	1.3	0.08	< 0.05	< 0.1	< 0.001	< 5
3	Ca-1H.S	1	56.8	39.1	48.1	14.6	50.6	1.05	6.5	1.6	11.7	3.09	9.7	1.5	8.1	0.76	0.7	0.3	67	49.8	4.5	73.9	15.9	0.03	0.1	1.5	0.08	< 0.05	< 0.1	< 0.001	< 5
4	Ca-2D.S	1.95	49.8	36.2	58.9	13.2	57.3	0.41	9.3	1.2	10.2	3.25	88.6	1.2	25.8	0.73	0.5	0.2	100	34.8	3.4	85.8	43.5	< 0.01	0.1	0.3	0.07	< 0.05	< 0.1	< 0.001	< 5
5	Ca-2E.S	0.72	44.8	44.4	41.3	11.6	60.2	0.52	7.8	1.3	8.9	2.85	164	1.1	13.5	0.71	0.5	0.3	47	36.2	3.3	69.7	36.1	< 0.01	0.1	0.9	0.05	< 0.05	< 0.1	< 0.001	< 5
6	Ca-2F.S	1.26	60.3	38.8	50.5	15.8	51.7	0.65	9.5	1.4	12	3.44	42.4	1.5	21.7	0.88	0.7	0.3	71	46.8	4.4	64.1	52.9	0.01	0.1	0.8	0.09	< 0.05	< 0.1	0.001	< 5
7	Ca-2G.S	1.01	43.2	47.2	38.1	11.2	40.7	0.94	6.7	1.5	8.7	3	41.5	1.1	9.1	0.6	0.6	0.2	54	39	3.5	85.9	31.3	0.02	0.1	1.3	0.07	< 0.05	< 0.1	0.001	< 5
8	Ca-2H.S	2.36	146	45.7	97.2	38.2	17.8	1.65	10	3	27.8	4.13	11.2	3.5	26.7	1.07	1.6	0.7	135	114	10	82	45.8	0.03	0.3	0.5	0.13	< 0.05	< 0.1	0.001	< 5
9	Ca-3E.S	0.87	37.2	57.2	31.7	9.7	59.2	0.67	7.7	1.2	7.5	2.68	107	0.9	11.3	0.67	0.4	0.4	45	30.2	2.8	75.9	35.7	< 0.01	< 0.1	0.4	0.02	< 0.05	< 0.1	0.001	< 5
10	Ca-3G.S	1.19	24.5	28.7	27.1	6.4	24.3	0.68	4	1.3	5	2.01	67.7	0.7	6.3	0.4	0.3	0.2	39	21.8	2.2	72.6	26.5	< 0.01	< 0.1	0.9	0.04	< 0.05	< 0.1	0.001	< 5
11	Ca-4D.S	0.96	35.4	33	34.1	9.4	50.6	0.46	10.8	1	7	3.46	22.5	0.9	21.7	0.61	0.4	0.3	67	27.1	2.6	182	62.8	< 0.01	< 0.1	0.4	< 0.02	< 0.05	< 0.1	< 0.001	< 5
12	Ca-4E.S	0.73	13.7	23.7	16	3.6	21.2	0.22	1.9	0.9	2.8	1.18	74.2	0.3	2.7	0.22	0.2	< 0.1	12	11.8	1.2	59	14.1	< 0.01	< 0.1	0.3	0.02	< 0.05	< 0.1	< 0.001	< 5
14	Ca-4G.S	0.89	56.2	35.8	49.5	14.5	39.7	0.85	7.1	1.6	11.3	3.09	15.3	1.4	14.5	0.62	0.7	0.2	52	49	4.4	67.5	43.3	0.02	0.1	1.2	0.06	< 0.05	< 0.1	< 0.001	< 5
15	Ca-4H.S	0.88	24.6	23.3	34	6.4	21.4	0.72	3.3	1.4	5.1	1.93	92.9	0.7	5	0.39	0.3	0.1	40	20.5	2	72.9	19.4	< 0.01	< 0.1	0.9	0.06	< 0.05	0.1	< 0.001	< 5
16	Ca-5E.S	1.05	39.3	27.5	36.3	10.2	38.2	0.26	8	1.1	7.9	2.57	81.2	1	19.6	0.54	0.4	0.2	62	31.5	2.9	66.1	52.8	< 0.01	< 0.1	0.3	< 0.02	< 0.05	< 0.1	< 0.001	< 5
17	Ca-5G.S	0.87	51.4	43.1	45.3	13.5	50.8	0.7	7.8	1.3	10.5	2.86	31.9	1.3	17.1	0.67	0.6	0.2	55	41.5	3.9	66.3	46.7	< 0.01	0.1	0.6	0.04	< 0.05	< 0.1	0.001	< 5
18	Ca-5H.S	1.98	113	60.6	77.7	29.1	41.2	1.33	10	2.4	22.4	3.65	83.8	2.8	24.9	0.86	1.3	0.6	77	98.9	8.1	54.4	34.7	0.03	0.2	0.3	0.07	< 0.05	< 0.1	0.001	< 5
19A	Ca-6D.S	3.33	106	48.3	114	28.4	35.8	1.56	11.4	2.4	21.8	3.86	23	2.6	26	1.27	1.2	0.8	147	73.3	7.7	120	25.6	0.02	0.2	0.2	0.1	< 0.05	< 0.1	< 0.001	< 5
20A	Ca-5F.S	1.39	39.5	32.4	38.4	10.5	38.4	0.21	10.2	1.1	7.9	3.1	92.2	0.9	21.3	0.7	0.5	0.2	65	32	3.1	74.6	43.1	< 0.01	0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	< 5
21	Ca-6H.S	0.91	36.8	38.1	31.1	9.7	45.4	0.57	5.1	1.6	7.2	2.23	18.1	0.9	7.7	0.54	0.4	0.1	31	31.8	2.9	58.3	33.9	0.01	< 0.1	1.5	0.06	< 0.05	< 0.1	< 0.001	< 5
22	Ca-7E.S	0.8	39.3	24.9	29.9	10.4	37.5	0.56	2.5	1.2	7.8	1.76	56.2	1	4	0.3	0.5	0.2	36	33.8	3.1	65.7	16.7	< 0.01	< 0.1	0.3	< 0.02	< 0.05	< 0.1	< 0.001	< 5
23	Ca-7F.S	2.04	126	38.5	67.9	34	25.9	1.07	10.1	2.3	24.3	3.78	14.5	3	26.4	0.78	1.4	0.5	89	97.2	8.7	47.1	32.3	0.02	0.3	0.3	0.05	< 0.05	< 0.1	< 0.001	< 5
24	Ca-7G.S	0.87	77.6	51.4	52	20.8	52.7	0.6	8.4	1.5	14.5	2.82	95.6	1.7	18.9	0.91	0.7	0.2	71	55.2	4.6	65.2	39.7	< 0.01	0.2	0.3	0.05	< 0.05	< 0.1	< 0.001	< 5
25	Ca-7H.S	0.61	10.8	14.8	10.5	2.9	12	0.15	1.1	0.9	2.2	0.65	16.9	0.3	1.5	0.17	0.1	0.1	9	9.92	0.9	27.2	11.8	< 0.01	< 0.1	0.4	< 0.02	< 0.05	0.1	< 0.001	< 5
26	Ca-8D.S	1.3	104	43.9	89.7	27.7	36.3	0.65	9.9	2.8	20.8	3.16	8.3	2.8	25.8	0.56	1.3	0.5	100	80.3	7.7	59.9	35.3	0.02	0.3	0.2	0.1	< 0.05	< 0.1	0.001	< 5
27	Ca-8E.S	1.14	51	31.9	42	13.4	36.3	0.93	7.9	1.5	10.2	2.96	10.5	1.3	16.6	0.65	0.6	0.2	56	42.6	4	50.6	52	0.02	0.1	1.3	0.07	< 0.05	< 0.1	< 0.001	< 5
28	Ca-8F.S	1.26	40.5	31.4	38	10.8	31.8	0.64	4.7	1.9	8.2	2.08	26.9	1	8.2	0.41	0.5	0.1	49	34	3.3	56	37.7	< 0.01	0.1	1.1	0.06	< 0.05	< 0.1	< 0.001	< 5
29	Ca-8G.S	0.89	44.7	31.2	30.1	11.9	35.5	0.22	6.5	1.4	8.8	1.89	60.9	1.1	12.8	0.48	0.5	0.1	44	35.2	3.4	58.8	36.8	< 0.01	0.1	0.3	0.02	< 0.05	< 0.1	< 0.001	< 5
30	Ca-8H.S	1.88	88.6	57	57.3	23.2	51	1.13	9.5	1.8	17.3	3.49	12.3	2.1	21.6	0.65	1	0.6	68	80.6	6.5	59.5	33.5	0.02	0.2	0.4	0.07	< 0.05	< 0.1	< 0.001	< 5
31	Ca-9D.S	1.18	63.2	32.5	45.3	16.9	39.5	0.82	7.2	1.5	12.7	2.9	14.2	1.5	18.7	0.55	0.7	0.3	75	49.4	4.7	59.8	40.6	< 0.01	0.1	0.7	0.04	< 0.05	< 0.1	< 0.001	< 5
32	Ca-9F.S	0.72	57.9	48.7	43.5	15.4	40.4	0.22	7.6	1.2	11.1	2.29	60.5	1.4	15.4	0.63	0.6	0.1	58	45.5	3.8	65.1	32.5	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	< 0.001	< 5
33	Ca-9G.S	1.46	27	30	40.2	7.1	33.7	0.21	8.2	0.7	5.7	2.6	42.2	0.7	17.8	0.56	0.4	1.1	59	21.7	2.4	69.4	30.1	< 0.01	< 0.1	0.2	< 0.02	< 0.05	< 0.1	0.001	< 5
34	Ca-10D.S	0.45	34.3	27.8	33.7	9.1	24.2	0.15	9.6	0.6	7	2.8	28.6	0.9	27.1	0.37	0.4	0.3	56	27.8	2.7	61.5	40.9	< 0.01	< 0.1	< 0.1	< 0.02	< 0.05	< 0.1	0.001	< 5
35	Ca-10E.S	0.92	53.8	34.4	41.1	14.5	47.4	0.46	7.7	1.2	10.6	2.49	8.9	1.3	15.8	0.61	0.6	0.3	47	45.6	3.7	44	39	0.01	0.1	0.7	0.04	< 0.05	< 0.1	0.001	< 5
36	Ca-10F.S	0.81	24.4	23.9	25.7	6.4	16.2	0.2	7.3	0.8	5	2.02	52.3	0.6	17.8	0.23	0.3	0.6	49	20.6	2.1	58.6	41.4	< 0.01	< 0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	10
37	Ca-10H.S	1.27	64.1	38.6	43.9	16.9	41.1	0.6	6.5	1.5	12.7	2.45	100	1.6	13.9	0.54	0.7	0.2	66	53.5	4.6	68.8	30.4	< 0.01	0.2	0.5	0.07	< 0.05	< 0.1	< 0.001	< 5
38	Ca-11D.S	0.75	36	37	29.7	9.5	60.2	0.28	5.9	1.5	7.3	2.17	19.1	0.9	7.5	0.48	0.5	0.3	24	32.2	2.9	50.4	36	< 0.01	< 0.1	1	0.05	< 0.05	< 0.1	< 0.001	< 5
39	Ca-11F.S	0.72	24	38.6	38	6.6	18.4	0.2	8.9	0.7	4.9	2.37	48.2	0.6	16.4	0.33	0.3	0.3	57	18.5	1.9	773	52.9	< 0.01	< 0.1	0.3	< 0.02	< 0.05	< 0.1	0.001	< 5
40	Ca-11G.S	0.44	41.7	35.6	34	10.9	16.1	0.1	6	1	8.3	2.14	56.3	1	12.2	0.3	0.5	0.6	34	32	3.2	71.4	16.7	< 0.01	< 0.1	0.1	0.02	< 0.05	< 0.1	< 0.001	< 5

Nota: Concentraciones abajo del límite de detección; Ti, Ge, Nb, Te, Ta, W, Re y Au

PROYECTO CAMPECHE: RESULTADOS DE CONCENTRACIÓN DE ELEMENTOS TRAZA, SUELO SUPERFICIAL

ANALISIS QUIMICO: LABORATORIO ACTLABS

Id.		Al	Ca	Fe	K	Mg	Na	P	S	Ag	As	B	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho	In	La	Li	Lu	Mn
No.	CLAVE	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
41	Ca-11H.S	5.96	0.59	4.19	0.6	0.28	0.01	0.03	0.02	0.18	7.3	4	159	2.9	0.51	0.69	138	17.8	88.2	3.32	31	10.9	6.1	2.5	16.6	12	0.7	2.2	0.09	82.5	41.8	0.8	2010
42	Ca-12B.S	5.06	0.67	3.69	0.1	0.37	0.01	0.03	0.02	0.16	8.1	2	209	2.8	0.46	0.65	214	20.6	81.6	2.46	23.7	13.6	7.6	2.8	15.6	15.3	0.6	2.7	0.08	98.9	30	0.9	1910
43	Ca-12D.S	5.51	1.27	3.23	0.3	0.45	0.02	0.01	0.03	0.13	5.4	2	641	2.9	0.41	1.27	625	52.3	51.2	3.44	23.7	17.8	9.4	3.7	13.8	21.1	1	3.5	0.07	152	33	1	5880
44	Ca-12E.S	3.04	13.8	1.45	0.4	0.57	0.01	0.04	0.09	0.1	2.5	25	131	1.4	0.18	0.72	86.5	10.1	31.7	1.48	22.5	3.89	2.2	0.8	7.09	4.3	0.4	0.8	0.03	27.9	18	0.3	1140
45	Ca-12G.S	5.62	0.97	2.95	0.3	0.5	0.02	0.02	0.04	0.12	3.1	3	101	2.2	0.34	0.46	94.2	9.1	50.4	3.23	20.6	6.99	3.7	1.7	14.7	8.1	1.6	1.4	0.06	55.8	34	0.5	531
47	Ca-13B.S	2.48	18.2	1.14	0.3	0.39	0.01	0.03	0.07	0.06	2	24	110	0.9	0.12	0.44	24.3	5	20.3	1.16	19.4	1.55	0.9	0.3	5.79	1.6	0.3	0.3	0.03	9.2	8.8	0.1	439
50	Ca-13F.S	6.63	1.2	3	0.3	0.48	0.01	0.02	0.04	0.11	2.4	6	139	4.2	0.32	0.99	167	26.2	71.6	2.38	27.6	13.5	7.8	2.8	16.4	14.6	1.2	2.8	0.07	95.3	48.8	1	1170
51	Ca-13H.S	2.77	5.13	1.5	0.5	0.48	0.02	0.04	0.13	0.24	2.4	43	132	1.2	0.19	0.78	44	7.4	31	1.56	29.7	2.54	1.4	0.6	6.63	3	0.6	0.5	0.03	17.8	12.3	0.2	860
56	Ca-14G.S	5.98	0.69	3.31	0.2	0.39	0.03	0.01	0.03	0.14	3.9	5	115	2.5	0.35	0.83	137	21.7	68.2	3.52	25.2	9.35	5.1	2.1	15.6	10.4	1.1	1.8	0.07	63.7	40.7	0.6	1350
57A	Ca-15H.S	4.61	4.38	2.36	0.9	0.59	0.01	0.06	0.12	0.11	3.8	46	212	1.7	0.28	1.18	60.7	10	51.3	2.71	34.6	3.73	2.1	0.8	10.9	4.1	0.6	0.7	0.05	25.2	20.6	0.3	861
59	Ca-15A.S	6.68	1.72	3.08	0.7	0.76	0.01	0.01	0.03	0.12	5.2	4	247	2.5	0.33	0.72	144	25.2	69.1	3.79	28.6	8.88	4.9	2.1	15.8	10.4	1.1	1.8	0.06	70.4	32.2	0.6	2250
60	Ca-15B.S	6.06	1.5	2.49	0.4	0.82	0.03	0.02	0.06	0.18	1.4	5	113	2.3	0.23	0.63	104	18	61.4	2.38	29.3	7.72	4.6	1.6	14.8	8.7	1.3	1.6	0.06	54.1	34.5	0.6	672
61	Ca-15D.S	6.21	0.97	2.89	0.1	0.48	0.02	0.01	0.03	0.22	1.1	2	89.6	2.5	0.31	0.52	134	10.9	59.6	2.29	24.7	8.7	4.8	1.9	15.8	9.7	1.4	1.7	0.06	61.4	32.2	0.6	584
61A	Ca-15C.S	4.76	7.19	2.04	0.6	0.75	0.01	0.05	0.05	0.1	2.3	8	142	2.1	0.25	0.62	154	15.1	34.9	2.02	24.9	7.48	4.1	1.5	10.6	8.3	0.5	1.5	0.05	57.3	24.8	0.5	1470
62A	Ca-15E.S	6.39	0.91	3.06	0.2	0.52	0.02	0.01	0.02	0.21	1.6	2	94.8	2.4	0.32	0.55	131	12.9	58.2	2.82	23.5	7.97	4.3	1.8	16.2	8.8	1	1.6	0.07	53.5	28.8	0.6	827
63	Ca-15G.S	4.71	0.9	2.59	0.1	0.25	0.02	0.03	0.09	0.11	2.2	3	88.1	1.9	0.42	0.34	49.1	3.8	61	1.44	28.3	4.03	2.2	0.9	13.3	4.3	1.2	0.8	0.07	31.4	35.7	0.3	143
64	Ca-16C.S	3.97	8.38	1.66	0.3	0.51	0.01	0.01	0.04	0.06	3.3	6	115	1.6	0.25	0.52	154	14.9	35.3	2.03	21.7	7.94	4.4	1.7	10.1	9.5	0.7	1.6	0.04	64.8	19.1	0.5	1430
65	Ca-16D.S	3.81	4.81	2.08	0.3	0.48	0.01	0.03	0.08	0.11	3.5	16	155	1.9	0.25	0.78	166	15.8	40.1	1.86	34.8	6.55	3.7	1.3	9	7.5	0.6	1.3	0.04	52.2	16.4	0.4	1960
66	Ca-16ES	6.82	1.23	2.99	0.3	0.65	0.03	0.02	0.04	0.12	1.8	2	122	2.6	0.31	0.72	123	10.6	59.4	2.63	28.4	8.47	4.7	1.9	16.5	9.3	1.4	1.7	0.06	59.6	32.2	0.6	595
67	Ca-16G.S	6.01	1.18	3.18	0.6	0.62	0.01	0.03	0.04	0.1	5	5	260	2.5	0.38	0.85	159	20.1	69.5	3.36	28.1	10.2	5.6	2.3	15	12	0.9	2	0.07	86.5	34.9	0.6	1850
70	Ca-17F.S	7.38	1.56	3.26	0.4	1.08	0.06	0.02	0.04	0.13	1.4	4	188	2.7	0.22	0.59	104	17.9	74.1	4.03	24.3	7.29	4.1	1.7	17.2	8.3	1.1	1.5	0.07	54.3	25.2	0.5	1120
71	Ca-17G.S	0.63	27.2	0.36	0.1	0.38	0.01	0.12	0.09	0.03	0.6	25	227	0.3	0.03	0.18	8.71	2.4	6.2	0.33	17.6	0.7	0.4	0.1	0.85	0.7	0.2	0.1	0.02	4.2	5.1	0.1	182
75	Ca-18E.S	7.05	1.31	3.21	0.3	0.79	0.04	0.02	0.02	0.1	2.6	2	188	2.5	0.29	0.63	159	22.6	61.2	3.34	27	8.64	4.7	2	17	10	0.7	1.7	0.07	66.8	27.6	0.6	1680
76	Ca-18G.S	2.73	15.6	1.32	0.7	0.52	0.02	0.04	0.11	0.06	2.4	41	144	1.1	0.13	0.64	37.7	6.8	17.9	1.5	26.8	2.19	1.3	0.5	5.89	2.4	0.3	0.4	0.03	15.9	10.7	0.2	742
81	Ca-19E.S	6.06	1.35	2.64	0.5	0.8	0.03	0.03	0.04	0.16	2.4	2	174	2.6	0.22	0.87	149	22.5	53.4	2.48	24.7	8.81	4.8	2	13.9	10.5	0.6	1.8	0.05	70	21.7	0.6	1850
82	Ca-19F.S	2.4	18.7	1.03	0.3	0.49	0.01	0.04	0.06	0.05	0.5	5	151	1	0.08	0.42	36.5	5.5	22.3	0.72	13.4	2.78	1.5	0.6	4.94	3.1	0.3	0.6	0.02	18.6	9.3	0.2	343
87	Ca-20E.S	5.85	1.25	2.43	0.3	0.7	0.02	0.01	0.03	0.1	3	2	303	2.6	0.23	0.98	310	31.7	37.3	3.05	28	13.5	7.2	2.9	13.3	15.7	0.6	2.7	0.05	105	19.1	0.7	3180
87A	Ca-20F.S	6.37	1.44	2.42	0.2	0.85	0.02	0.02	0.03	0.2	1.9	1	251	3	0.22	0.62	196	21	43.1	2.48	19.3	11.3	6	2.4	14.5	12.9	0.6	2.2	0.06	82.9	18.1	0.7	1810
88	Ca-20G.S	6.71	1.71	2.86	0.7	1.21	0.02	0.04	0.07	0.1	0.8	10	294	2.1	0.18	0.66	94	17.7	74.8	4.01	26.1	6.71	3.8	1.6	15	7.9	1	1.3	0.05	54	23.7	0.4	887
94	Ca-21E.S	2.88	18	1.26	0.2	0.37	0.01	0.01	0.04	0.03	2	6	202	1.3	0.17	0.26	130	11.5	22.6	1.39	10.7	9.84	5.8	1.9	6.43	11.5	0.6	2.1	0.03	79.3	12.3	0.6	1200
95	Ca-21F.S	6.15	1.32	2.34	0.3	0.78	0.02	0.05	0.04	0.11	2.4	2	218	2.7	0.22	0.65	189	20.1	42.1	2.66	19.2	11.6	6.4	2.4	14.2	13	0.5	2.3	0.05	84.3	18.7	0.7	1730
96	Ca-21H.S	6.28	2.51	2.74	0.7	1.17	0.02	0.03	0.05	0.1	1	12	335	2.1	0.18	0.67	96.7	20.6	75.3	3.27	25.4	5.8	3.2	1.4	14.1	6.6	0.9	1.2	0.05	45.3	22.8	0.4	1190
102	Ca-22G.S	5.08	2.81	1.62	0.5	1.06	0.01	0.02	0.04	0.08	1.7	12	186	2.2	0.27	0.54	158	13.1	28.9	2.41	20.7	10.7	5.6	2.2	11.5	12.3	1	2.2	0.04	88.3	18.8	0.6	1130
142	Ca-29F.S	3.99	9.01	1.72	0.3	0.7	0.01	0.07	0.08	0.11	1	12	165	1.6	0.18	1.11	92.8	12.4	39.3	1.83	23.1	4.93	2.9	1	9.05	5.4	0.6	1	0.04	34.3	11.5	0.3	766
143	Ca-29G.S	6.16	1.57	2.64	0.4	0.6	0.02	0.02	0.05	0.19	3.2	4	203	2.4	0.26	0.99	153	20.7	47.3	3.34	25	8.58	4.7	2	14.4	10	1.1	1.7	0.05	70.5	29.3	0.6	1510
144	Ca-29H.S	2.45	15.4	1.09	0.3	0.54	0.01	0.06	0.08	0.07	0.7	18	169	0.9	0.1	0.64	41.2	8.2	25.2	1.39	20.1	2.28	1.3	0.5	5.05	2.6	0.4	0.5	0.02	17.7	5.5	0.2	661
145	Ca-29I.S	2.89	16.6	1.29	0.6	0.67	0.02	0.05	0.08	0.08	0.6	34	234	0.9	0.12	0.73	35	7.6	25.6	1.72	25.7	1.93	1.1	0.5	6.14	2.3	0.3	0.4	0.03	15.1	6.6	0.1	683
146	Ca-30D.S	5.53	1.58	2.49	0.2	0.5	0.01	0.02	0.04	0.11	2.5	3	184	2.8	0.23	0.92	205	30.7	60.4	1.95	23.7	9.87	5.5	2.2	13.2	11.4	0.6	2	0.05	76.1	19.8	0.6	1740
148	Ca-30G.S	4.1	1.96	2.69	0.2	0.32	0.01	0.02	0.07	0.09	4	11	116	2.2	0.28	0.91	262	34.1	68.2	1.83	21.3	11.3	6.3	2.4	10.6	12.8	0.9	2.2	0.04	91.7	26.9	0.7	2200
149	Ca-30I.S	4.66	8.23	2.03	0.4	0.75	0.01	0.02	0.04	0.06	2.1	13	177	1.6	0.2	0.75	91.6	14.9	62.1	4.12	19.5	5.7	3.1	1.2	10.6	6.6	0.8	1.1	0.04	42.8	15	0.4	994
150	Ca-30J.S	5.56	4.62	2.39	0.5	0.78	0.01	0.02	0.05	0.1	2.1	18	226	2.1	0.23	0.83	134	23.8	49.9	2.67	22.7	7.09	3.8	1.7	12.6	8.3	1	1.4	0.05	55	17.9	0.4	1440

PROYECTO CAMPECHE: RESULTADOS DE CONCENTRACIÓN DE ELEMENTOS TRAZA, SUELO SUPERFICIAL

ANALISIS QUIMICO: LABORATORIO ACTLABS

Id.		Mo	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Se	Sm	Sn	Sr	Tb	Th	Tl	Tm	U	V	Y	Yb	Zn	Zr	Ti	Ge	Nb	Te	Ta	W	Re	Au
No.	CLAVE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb
41	Ca-11H.S	0.88	72.6	49.3	45.3	19.2	63.3	0.69	9.2	1.7	13.9	2.99	8	1.7	19.2	0.65	0.9	0.5	51	65.6	5.4	57.4	35.2	0.02	0.2	0.4	0.07	< 0.05	< 0.1	< 0.001	< 5
42	Ca-12B.S	0.68	84.5	52.4	54	22.8	22.1	0.21	9	2.2	16.5	2.22	31.3	2.2	19.5	0.49	1.1	0.4	107	72.2	6.5	52.9	24.9	< 0.01	0.2	< 0.1	0.06	< 0.05	< 0.1	< 0.001	< 5
43	Ca-12D.S	1.27	124	49.5	83.7	34.6	48.4	0.28	7.3	2.5	23.9	2.23	31.5	2.9	19.4	0.9	1.2	0.2	64	100	7.5	59.4	33.6	< 0.01	0.3	0.2	0.07	< 0.05	< 0.1	< 0.001	< 5
44	Ca-12E.S	0.82	24.3	32.3	18.9	6.5	36	0.3	2.7	1.5	4.9	1.21	93.7	0.6	3.6	0.28	0.3	0.2	13	22.8	1.9	39.2	14.3	< 0.01	< 0.1	0.4	0.02	< 0.05	< 0.1	0.001	< 5
45	Ca-12G.S	0.78	48.1	41.7	31.8	13.1	41.1	0.21	7.8	1.4	9.6	2.28	121	1.1	16.4	0.49	0.5	0.6	46	37.9	3.2	59.1	51.1	< 0.01	0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	< 5
47	Ca-13B.S	0.23	8.98	34.3	8.51	2.4	20.9	0.26	2.3	1.8	1.9	1.15	62	0.2	2	0.2	0.1	0.2	10	8.71	0.9	35.3	11.3	< 0.01	< 0.1	0.4	0.03	< 0.05	< 0.1	0.001	< 5
50	Ca-13F.S	0.68	81.7	105	47.3	21.9	31.9	0.19	9.7	2.2	16.2	2.36	63.6	2.1	17.7	0.3	1.1	0.2	37	78.8	6.6	79	41.7	< 0.01	0.2	0.2	0.02	< 0.05	< 0.1	< 0.001	< 5
51	Ca-13H.S	0.43	16.2	33.2	18	4.3	30.1	0.26	2.5	1.6	3.2	1.16	29.5	0.4	2.8	0.25	0.2	0.2	11	14.2	1.3	53.8	19	0.01	< 0.1	0.6	0.02	< 0.05	< 0.1	< 0.001	< 5
56	Ca-14G.S	0.66	60.8	68	48.9	16.2	30.4	0.34	9.5	1.3	12.2	2.52	81.1	1.5	22.3	0.49	0.7	1	52	49.9	4.4	74.3	40.2	< 0.01	0.1	0.1	0.02	< 0.05	< 0.1	< 0.001	< 5
57A	Ca-15H.S	0.55	23.3	48.6	22.1	6.2	49.6	0.34	4	2.2	4.6	1.77	34.8	0.6	3.3	0.45	0.3	0.2	18	22.5	2	71.6	20.4	0.02	< 0.1	0.9	0.04	< 0.05	< 0.1	< 0.001	< 5
59	Ca-15A.S	1.03	60	88	40.1	16.1	76.4	0.26	8.1	1.5	11.9	2.2	87.8	1.4	14.2	0.64	0.7	0.1	34	52.3	4	58.5	43.4	< 0.01	0.1	0.2	0.03	< 0.05	< 0.1	0.001	< 5
60	Ca-15B.S	0.37	44.9	59.5	25.1	11.9	45.3	0.02	7.5	2.3	8.9	1.49	224	1.2	9.9	0.47	0.6	0.3	37	49.2	3.8	67.6	36.7	< 0.01	0.1	0.2	0.03	< 0.05	< 0.1	< 0.001	6
61	Ca-15D.S	0.48	55.8	50.5	37.1	15	25.4	0.16	9.6	1.2	11.1	2.31	110	1.4	22.8	0.32	0.7	0.7	45	49.7	4.1	77.7	50	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	0.001	< 5
61A	Ca-15C.S	0.48	48	41.9	32.1	13.1	43.1	0.22	4.2	1.3	9.4	1.73	170	1.2	5.3	0.33	0.5	0.1	14	44.1	3.3	61.1	17.1	< 0.01	0.1	0.3	0.06	< 0.05	< 0.1	< 0.001	< 5
62A	Ca-15E.S	0.53	50.7	51.2	38	13.5	30.2	0.15	9.4	1.2	10.2	2.3	89.1	1.3	21.9	0.37	0.6	0.6	46	44.1	3.8	72.3	35.8	< 0.01	0.1	0.1	0.02	< 0.05	< 0.1	< 0.001	< 5
63	Ca-15G.S	0.67	26.2	37.5	25.4	7	16.1	0.26	7.9	1.1	5.1	2.72	51	0.6	14.8	0.28	0.3	0.9	46	23.3	2	58.5	46.4	< 0.01	< 0.1	0.3	< 0.02	< 0.05	< 0.1	0.001	< 5
64	Ca-16C.S	0.13	51	34.9	31	13.6	28.9	0.18	5	1.5	9.8	1.28	21.2	1.3	9.1	0.4	0.6	0.2	22	45.4	3.4	42.9	23	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	< 0.001	< 5
65	Ca-16D.S	0.4	41.5	44.2	26	11.5	35.2	0.6	3.8	1.8	8.4	1.61	16.2	1	5.4	0.47	0.5	0.2	21	40	3	54.1	21.9	< 0.01	< 0.1	0.8	0.05	< 0.05	< 0.1	< 0.001	< 5
66	Ca-16ES	0.47	54.8	55.5	35.3	14.5	45	0.19	9.3	1.5	10.9	2.31	102	1.3	20.7	0.37	0.6	0.5	39	48.6	4	78.9	51.3	< 0.01	0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	< 5
67	Ca-16G.S	0.61	72	67.7	43.1	18.9	55.7	0.46	7.5	1.6	13.7	2.27	25.4	1.7	13	0.53	0.7	0.2	37	57.5	4.5	69.7	34.3	< 0.01	0.1	0.5	0.04	< 0.05	< 0.1	< 0.001	< 5
70	Ca-17F.S	0.35	46.7	92.2	27.2	12.5	51.3	0.15	9.3	1.2	9.3	2.13	144	1.2	13.5	0.51	0.5	0.3	35	41.8	3.4	78.2	41.2	< 0.01	0.1	0.1	< 0.02	< 0.05	< 0.1	0.001	< 5
71	Ca-17G.S	0.26	3.82	22.2	3.35	1	8	0.11	0.6	1.6	0.8	0.37	173	0.1	1	0.07	0.1	0.2	4	4.06	0.4	31.4	7.6	< 0.01	< 0.1	< 0.1	0.03	< 0.05	< 0.1	< 0.001	< 5
75	Ca-18E.S	0.53	58.3	65.8	40.4	15.6	48	0.22	8.9	1.3	11.5	2.27	123	1.4	16	0.52	0.6	0.1	42	49.9	3.9	74	29.8	< 0.01	0.1	0.1	0.02	< 0.05	< 0.1	< 0.001	< 5
76	Ca-18G.S	0.38	14.2	30.5	11.8	3.8	33.5	0.25	2.2	2	2.8	1.02	67.3	0.3	1.8	0.24	0.2	0.2	9	12.8	1.1	41.9	10.8	< 0.01	< 0.1	0.4	< 0.02	< 0.05	< 0.1	0.001	< 5
81	Ca-19E.S	0.37	60	65.5	34.1	15.9	56.9	0.2	6.6	1.3	11.9	1.84	98.3	1.5	10.6	0.48	0.6	0.2	33	52.3	3.8	81.6	25.7	< 0.01	0.1	0.2	0.03	< 0.05	< 0.1	< 0.001	< 5
82	Ca-19F.S	0.31	16.6	37.5	9.5	4.5	20	0.23	2.2	1.2	3.4	0.86	104	0.4	2.4	0.19	0.2	0.2	11	16.5	1.3	53.8	10.7	< 0.01	< 0.1	0.1	< 0.02	< 0.05	< 0.1	< 0.001	< 5
87	Ca-20E.S	0.55	91.2	57.3	49.8	24.3	53.3	0.18	6.7	1.9	17.8	1.95	26.4	2.2	13.7	0.63	0.9	0.1	32	77.7	5.1	68.3	25.8	< 0.01	0.2	0.1	0.05	< 0.05	< 0.1	< 0.001	< 5
87A	Ca-20F.S	0.51	74.8	52.2	37.1	19.8	43.6	0.18	7.1	1.7	14.8	1.95	84	1.8	13.3	0.54	0.8	0.2	28	62.2	4.7	64.9	25.3	< 0.01	0.1	< 0.1	0.02	< 0.05	< 0.1	< 0.001	< 5
88	Ca-20G.S	0.49	44.3	118	21.9	11.7	63.8	0.21	7.6	1.2	8.8	1.76	213	1.1	7.9	0.55	0.5	0.1	24	40.8	3	74.1	36.3	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	< 0.001	< 5
94	Ca-21E.S	0.57	61	27.4	19.8	16	22.3	0.2	3.4	1.7	11.8	1.08	47.2	1.6	6.1	0.32	0.7	0.2	13	83.2	3.9	55.3	20.9	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	0.001	< 5
95	Ca-21F.S	0.58	75.2	47.1	38.8	19.8	47.6	0.24	6.6	1.7	14.8	1.87	54.6	1.9	11.8	0.49	0.8	0.2	27	66.2	5	59.6	22.2	< 0.01	0.1	0.1	< 0.02	< 0.05	< 0.1	0.001	< 5
96	Ca-21H.S	0.38	38.3	132	21.3	10.3	63.8	0.18	7.3	1.3	7.5	1.57	106	0.9	7.9	0.55	0.4	0.1	19	33.3	2.7	75.4	34.1	< 0.01	< 0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	< 5
102	Ca-22G.S	0.44	73.3	41.2	28.8	19.6	47.6	0.29	4.9	1.6	14	1.71	41.9	1.7	11.8	0.42	0.7	0.2	12	66.9	4	52.7	36.1	< 0.01	0.2	0.2	0.04	< 0.05	< 0.1	< 0.001	< 5
142	Ca-29F.S	0.43	30.2	53.9	19.6	8.1	39.1	0.24	3.3	1.4	6	1.23	35.8	0.8	3.8	0.27	0.4	0.2	8	29.6	2.4	48.7	18.7	< 0.01	< 0.1	0.2	0.02	< 0.05	< 0.1	0.001	< 5
143	Ca-29G.S	0.55	59.7	61.6	32.9	16	62.7	0.32	6.7	1.4	11.4	1.91	27	1.4	11.5	0.62	0.6	0.1	26	49.5	3.8	61.9	39.8	< 0.01	0.1	0.2	< 0.02	< 0.05	< 0.1	< 0.001	< 5
144	Ca-29H.S	0.55	15.2	38.7	10.8	4	34.3	0.18	1.7	1.2	2.9	0.78	58.5	0.4	1.8	0.24	0.2	0.1	5	13.5	1.1	34	11	< 0.01	< 0.1	0.2	0.02	< 0.05	< 0.1	< 0.001	< 5
145	Ca-29I.S	0.53	13.5	39.3	11.3	3.5	48.5	0.14	2.3	1.4	2.6	0.96	81.1	0.3	1.9	0.26	0.2	0.1	6	11.2	1	41.8	10.6	< 0.01	< 0.1	0.3	< 0.02	< 0.05	< 0.1	0.001	< 5
146	Ca-30D.S	0.67	64.7	68	44.8	17.7	29.2	0.17	6.9	1.5	13.1	1.75	20.8	1.6	13	0.45	0.7	0.2	31	53.5	4.5	58	25.6	< 0.01	0.1	0.2	0.02	< 0.05	< 0.1	< 0.001	5
148	Ca-30G.S	0.97	75.1	62.6	46.1	20.1	27.1	0.56	5	2	14.2	1.74	7.8	1.8	9.9	0.53	0.8	0.1	35	64.2	4.8	34.6	35.7	< 0.01	0.1	0.6	0.08	< 0.05	< 0.1	< 0.001	< 5
149	Ca-30I.S	0.51	37.6	114	21.3	9.9	56.2	0.64	5.8	1.4	7.3	1.62	68.4	0.9	7.1	0.57	0.4	0.2	14	33.5	2.5	49.5	34.1	< 0.01	< 0.1	0.2	0.03	< 0.05	< 0.1	< 0.001	< 5
150	Ca-30J.S	0.39	48.2	75.7	31.9	12.8	44.4	0.26	6.1	1.3	9.4	1.49	24.2	1.1	8.8	0.42	0.5	0.1	12	38	3.1	58.8	33	< 0.01	0.1	0.3	0.04	< 0.05	< 0.1	< 0.001	< 5

Nota: Concentraciones abajo del límite de detección; Ti, Ge, Nb, Te, Ta, W, Re y Au