

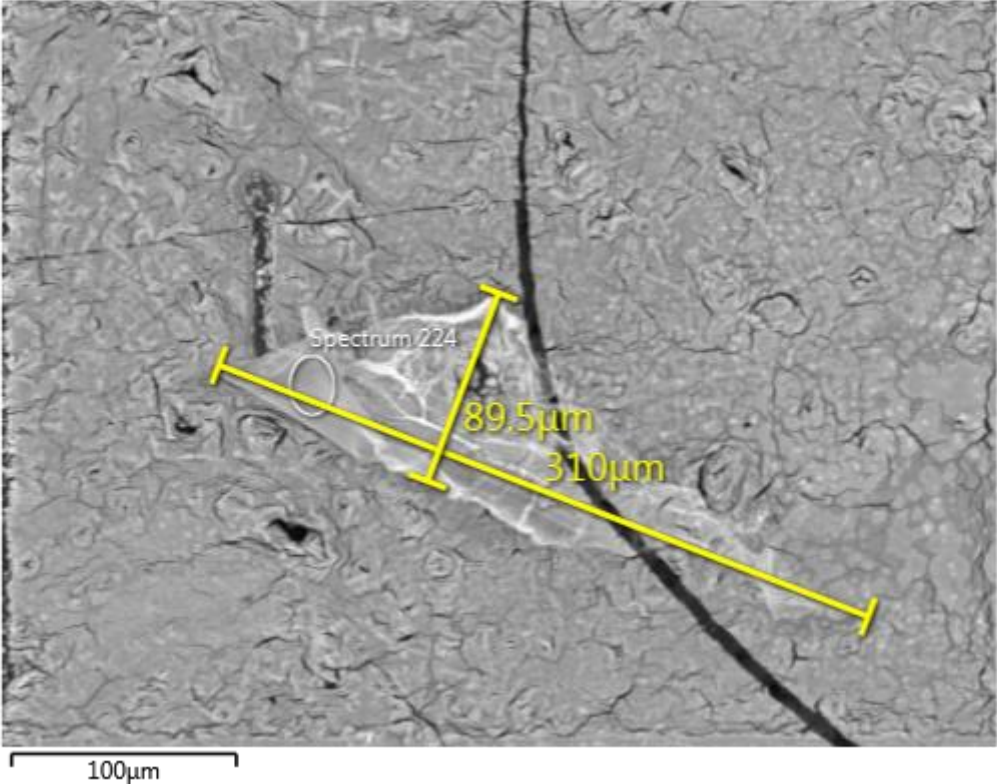
[Click here to enter text.](#)

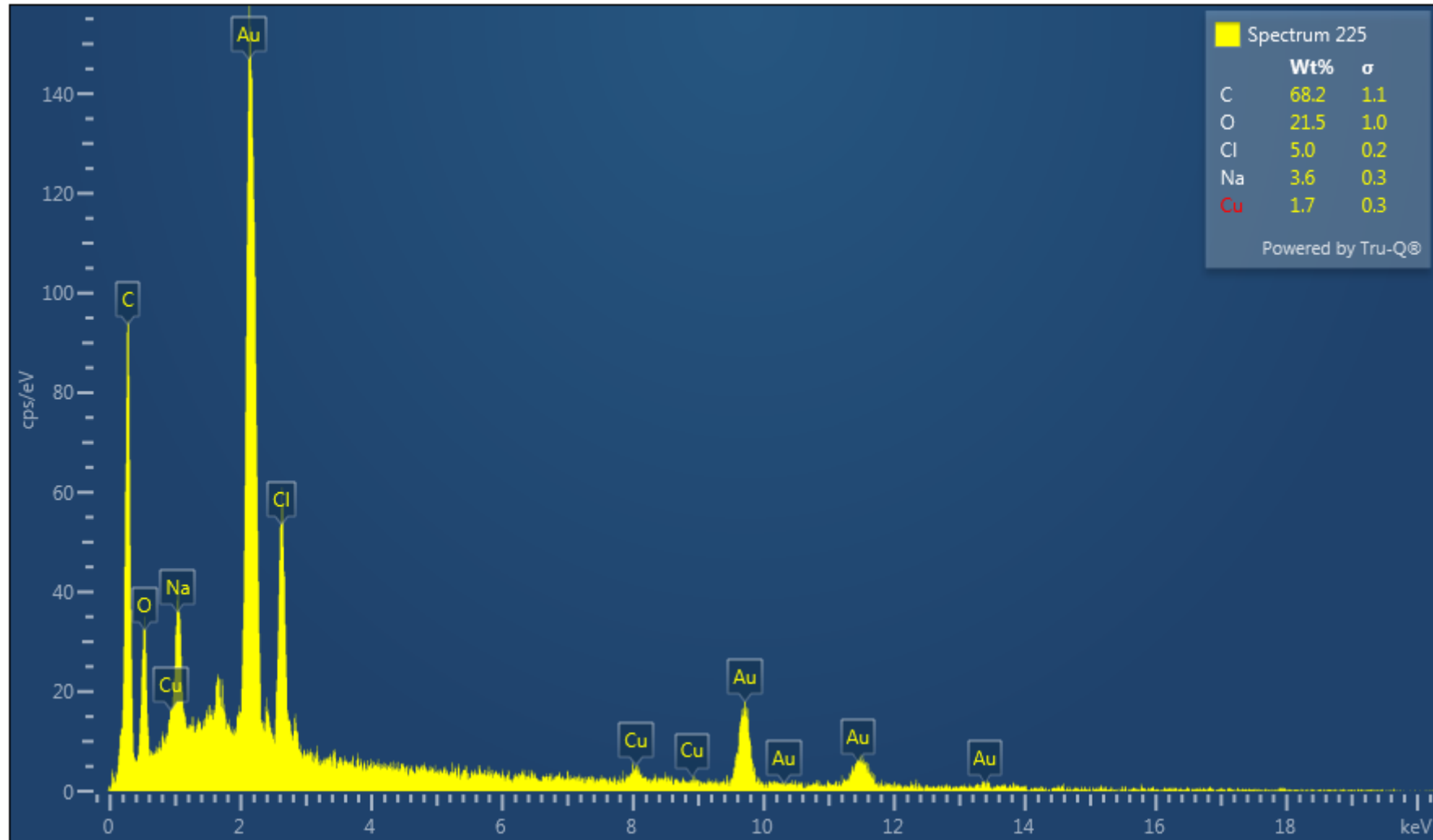
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 70





Spectrum 225								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	6.98	0.06981	68.24	1.07	C Vit	Yes	
O	K series	3.22	0.01083	21.48	1.02	SiO2	Yes	
Na	K series	1.55	0.00655	3.58	0.29	Albite	Yes	
Cl	K series	2.36	0.02059	4.95	0.20	NaCl	Yes	
Cu	K series	0.70	0.00697	1.75	0.33	Cu	Yes	
Total:				100.00				

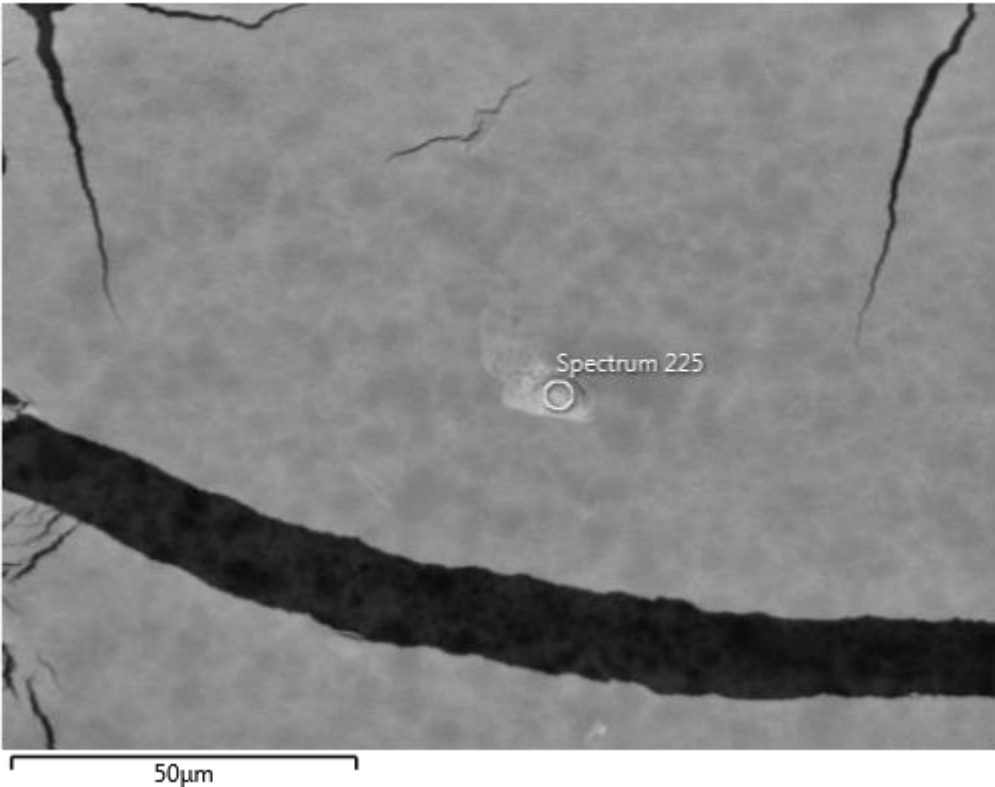
[Click here to enter text.](#)

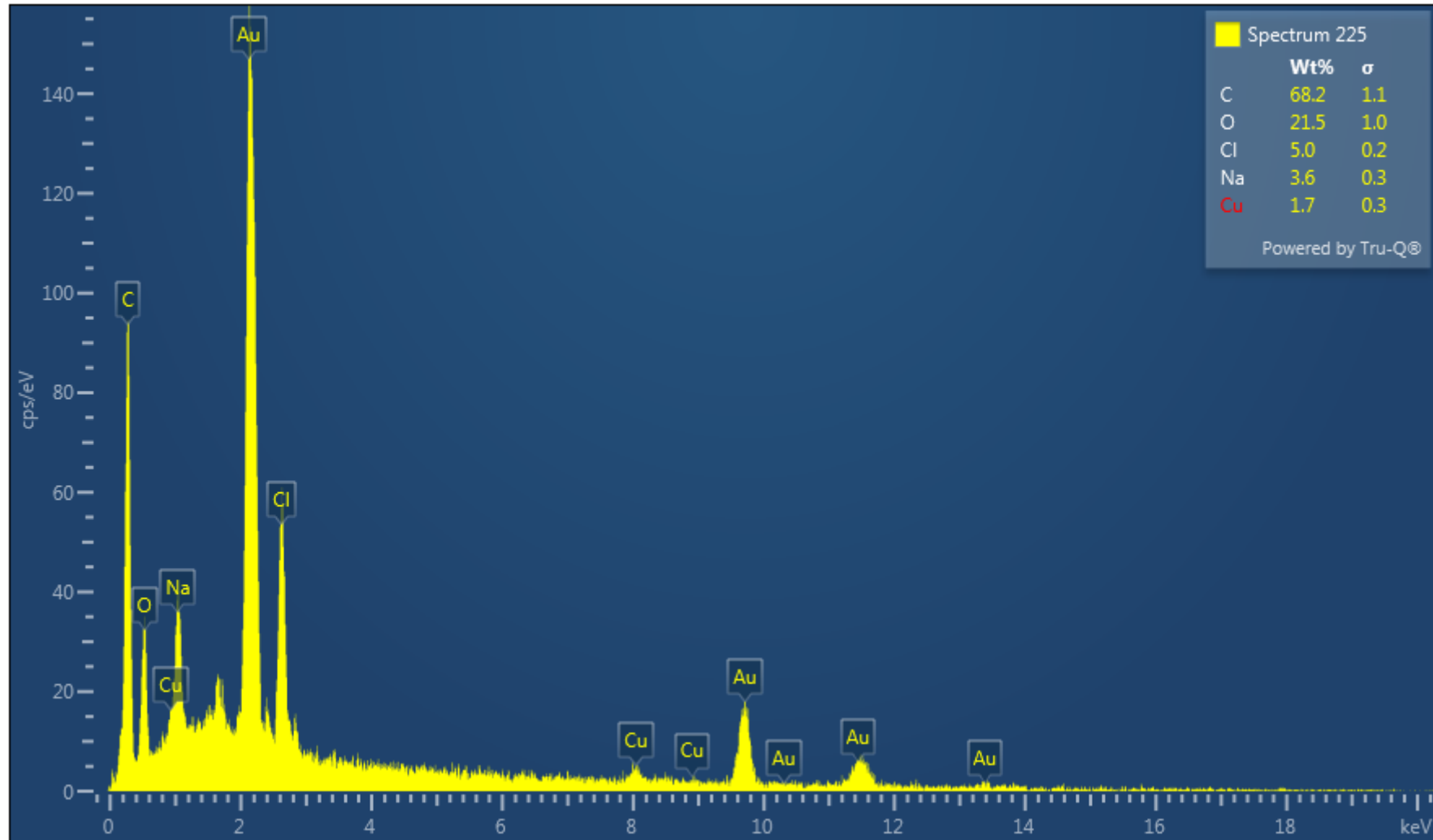
[Click here to enter text.](#)

[Project Notes](#)

[Specimen Notes](#)

Electron Image 71





Spectrum 225								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	6.98	0.06981	68.24	1.07	C Vit	Yes	
O	K series	3.22	0.01083	21.48	1.02	SiO2	Yes	
Na	K series	1.55	0.00655	3.58	0.29	Albite	Yes	
Cl	K series	2.36	0.02059	4.95	0.20	NaCl	Yes	
Cu	K series	0.70	0.00697	1.75	0.33	Cu	Yes	
Total:				100.00				

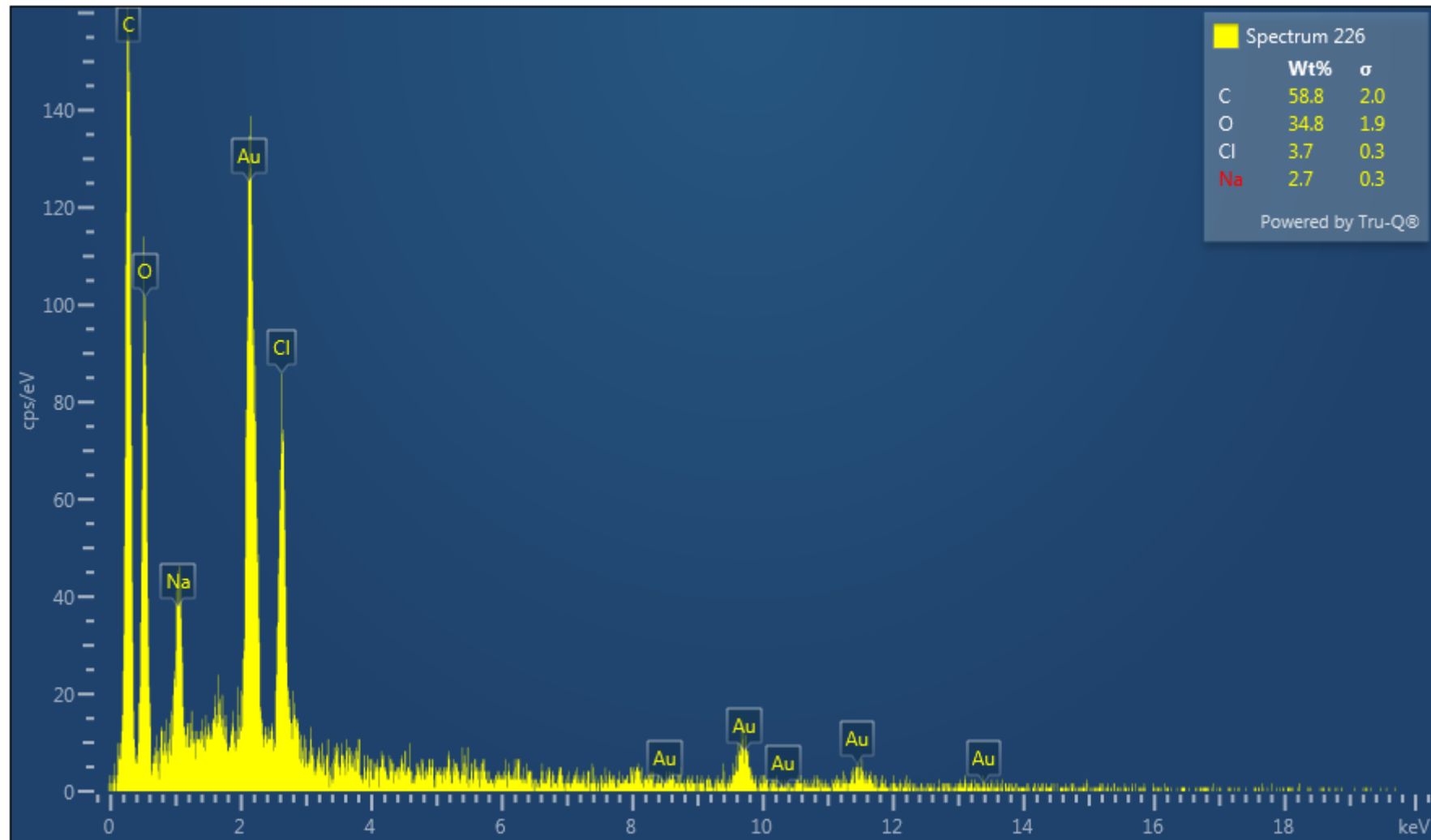


Click here to enter text.

Click here to enter text.

Project Notes

Specimen Notes



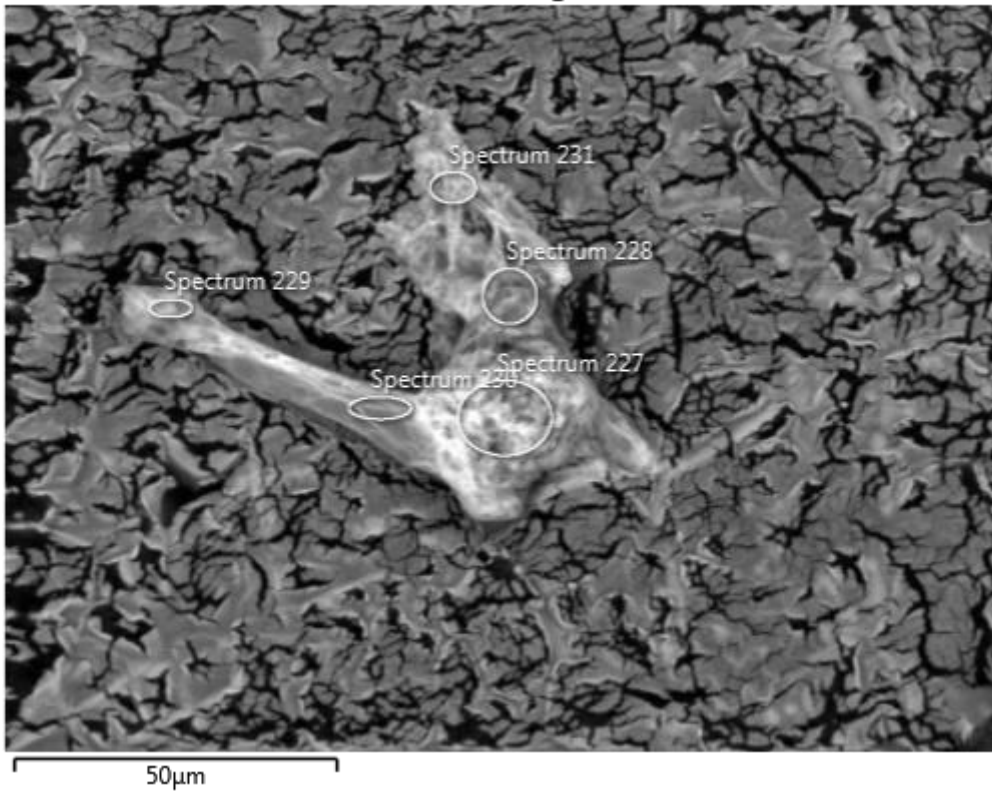
VACUNAS

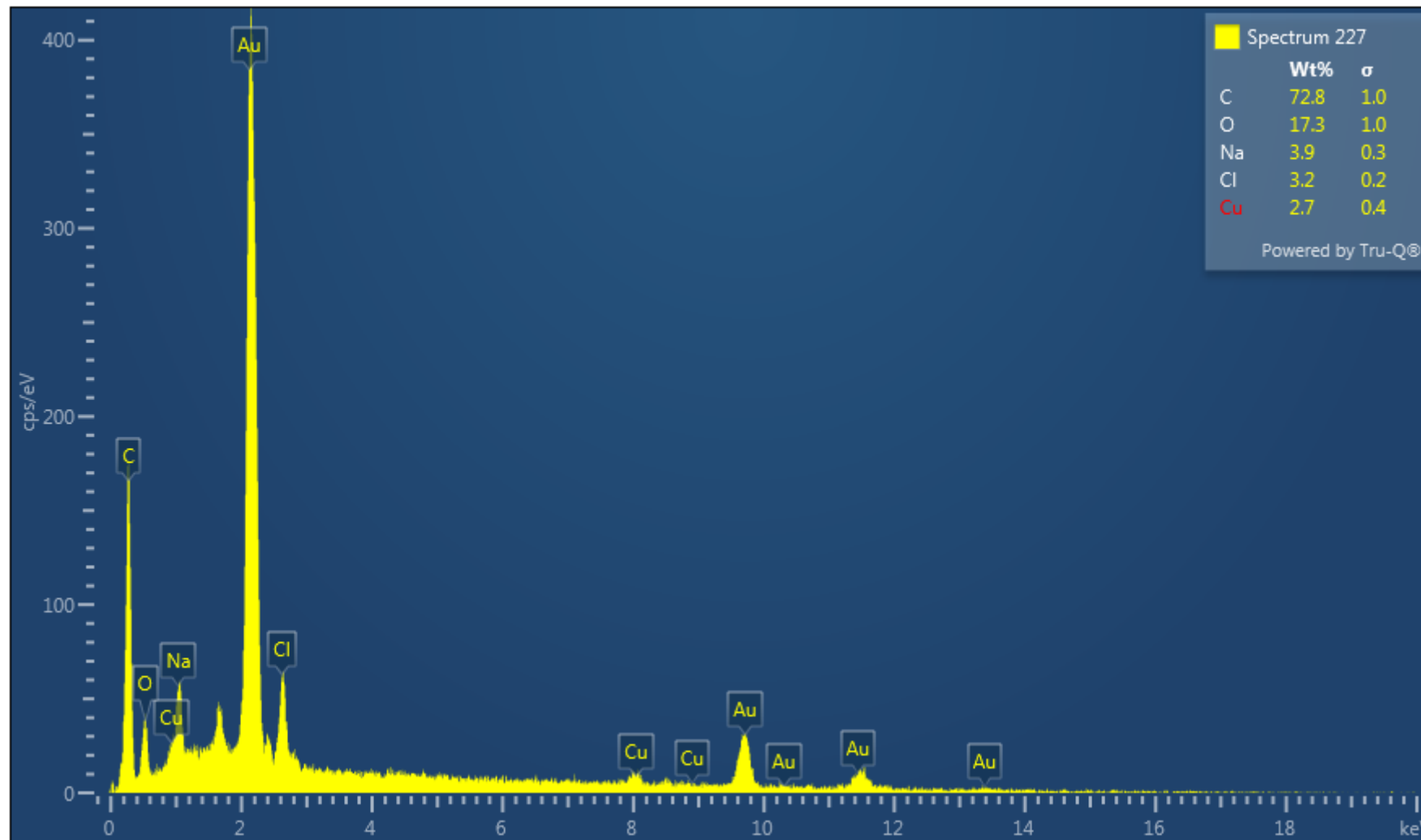
10/13/2022

Spectrum 226

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	12.37	0.12366	58.77	2.02	C Vit	Yes	
O	K series	11.43	0.03846	34.81	1.89	SiO2	Yes	
Na	K series	2.06	0.00871	2.75	0.34	Albite	Yes	
Cl	K series	3.20	0.02797	3.67	0.28	NaCl	Yes	
Total:				100.00				

Electron Image 72



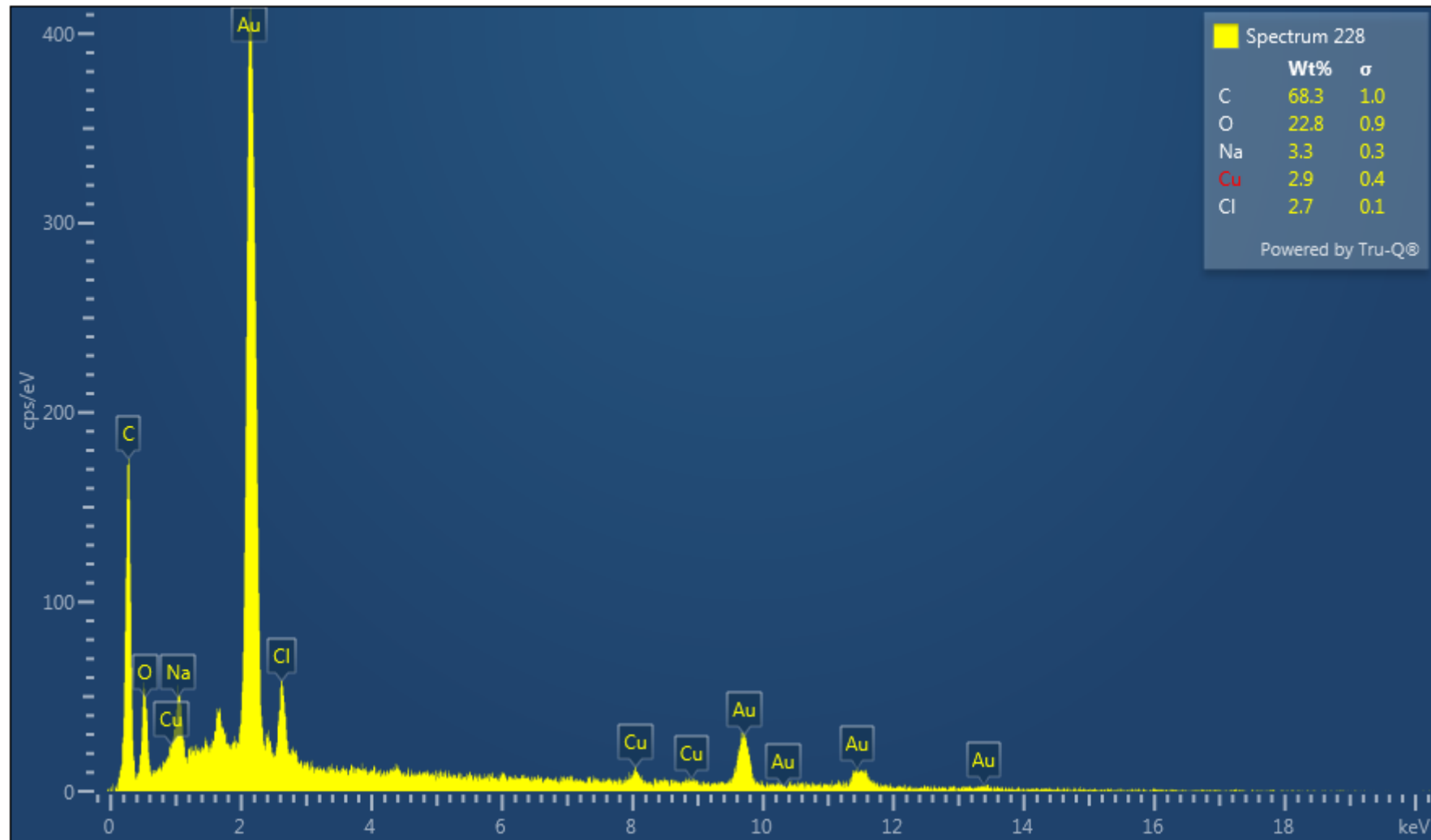


VACUNAS

10/13/2022

Spectrum 227

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	13.00	0.13003	72.83	1.03	C Vit	Yes	
O	K series	3.63	0.01223	17.33	0.99	SiO2	Yes	
Na	K series	2.49	0.01050	3.90	0.29	Albite	Yes	
Cl	K series	2.23	0.01952	3.22	0.16	NaCl	Yes	
Cu	K series	1.58	0.01583	2.72	0.40	Cu	Yes	
Total:				100.00				

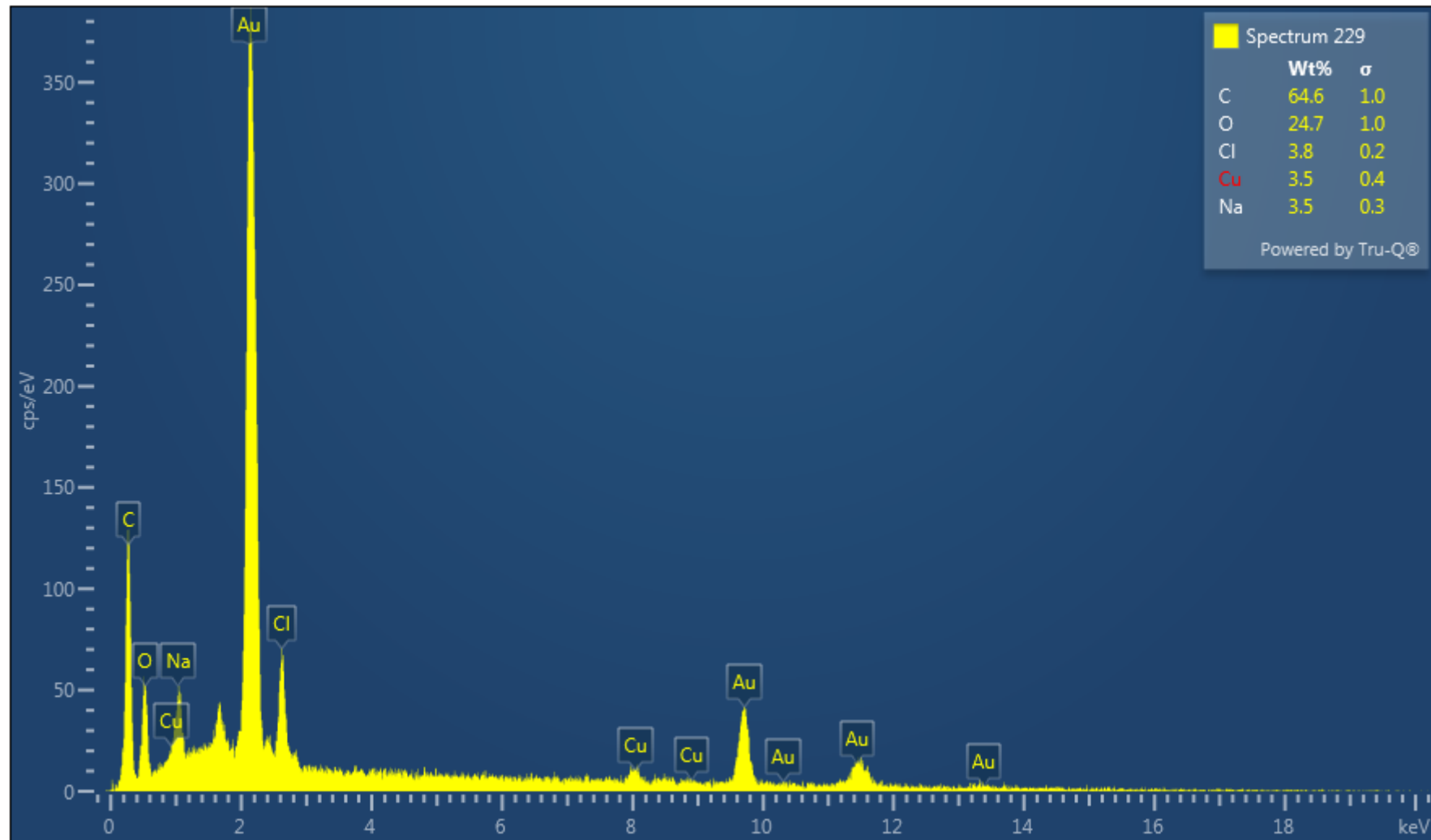


VACUNAS

10/13/2022

Spectrum 228								
---------------------	--	--	--	--	--	--	--	--

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	13.41	0.13408	68.32	0.96	C Vit	Yes	
O	K series	5.51	0.01855	22.81	0.93	SiO2	Yes	
Na	K series	2.15	0.00906	3.29	0.27	Albite	Yes	
Cl	K series	2.00	0.01747	2.71	0.15	NaCl	Yes	
Cu	K series	1.78	0.01784	2.87	0.37	Cu	Yes	
Total:				100.00				

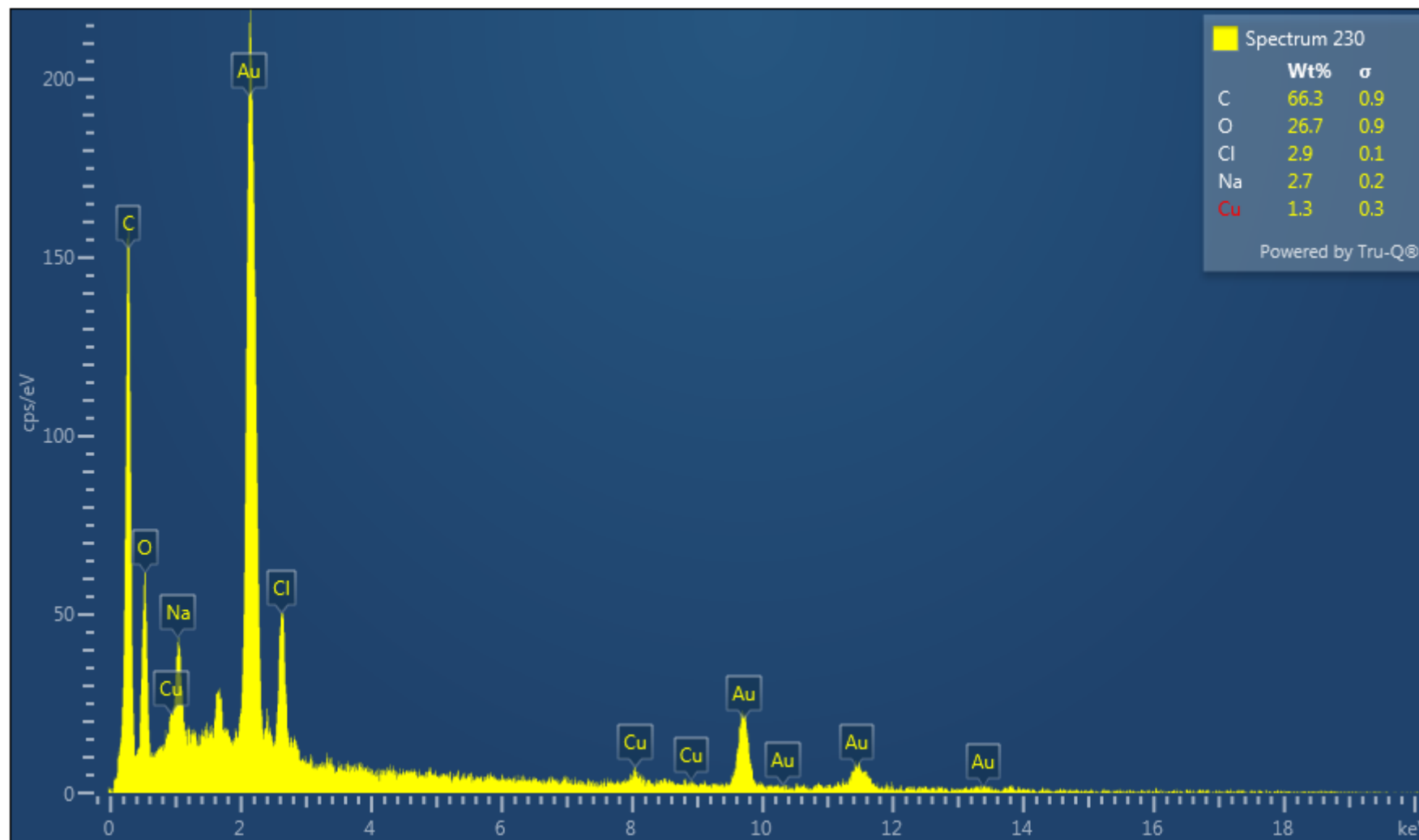


VACUNAS

10/13/2022

Spectrum 229

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	9.70	0.09702	64.61	1.05	C Vit	Yes	
O	K series	5.52	0.01857	24.65	0.98	SiO2	Yes	
Na	K series	1.96	0.00827	3.45	0.30	Albite	Yes	
Cl	K series	2.47	0.02160	3.77	0.18	NaCl	Yes	
Cu	K series	1.95	0.01953	3.52	0.42	Cu	Yes	
Total:				100.00				

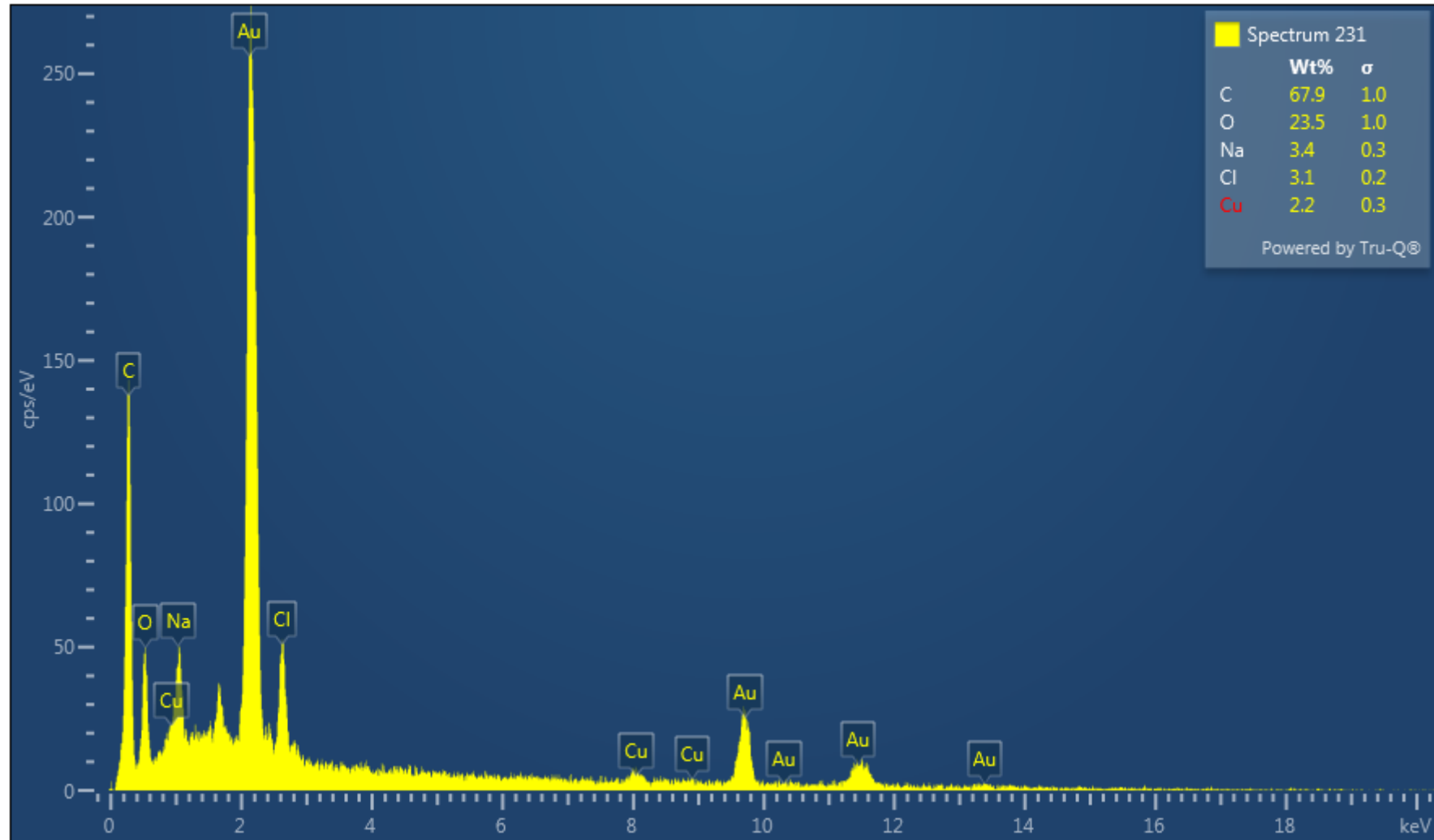


VACUNAS

10/13/2022

Spectrum 230

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	11.90	0.11899	66.32	0.92	C Vit	Yes	
O	K series	6.03	0.02028	26.74	0.90	SiO2	Yes	
Na	K series	1.61	0.00678	2.71	0.24	Albite	Yes	
Cl	K series	1.97	0.01721	2.94	0.13	NaCl	Yes	
Cu	K series	0.73	0.00727	1.29	0.27	Cu	Yes	
Total:				100.00				



VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	10.67	0.10669	67.86	1.00	C Vit	Yes	
O	K series	4.69	0.01579	23.49	0.97	SiO2	Yes	
Na	K series	1.83	0.00770	3.35	0.29	Albite	Yes	
Cl	K series	1.89	0.01648	3.09	0.15	NaCl	Yes	
Cu	K series	1.13	0.01132	2.21	0.34	Cu	Yes	
Total:				100.00				

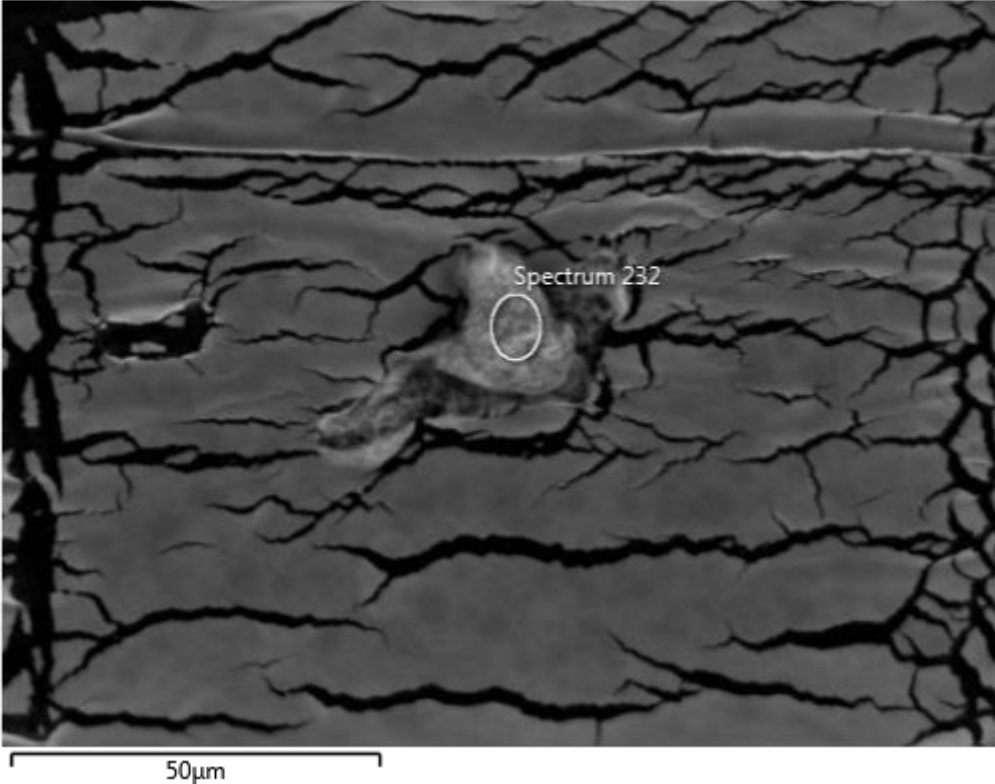
[Click here to enter text.](#)

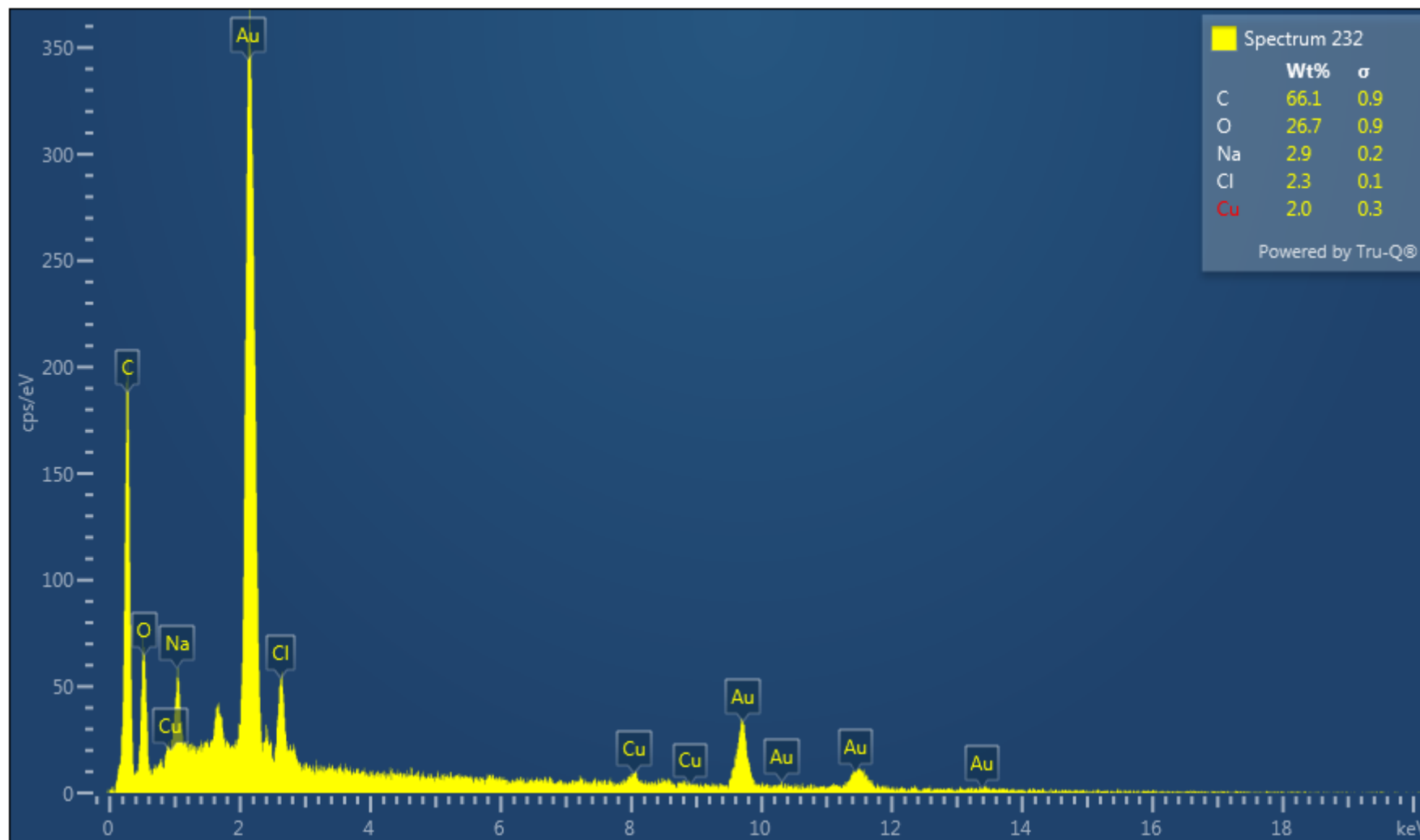
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 73





Spectrum 232								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	14.97	0.14967	66.06	0.88	C Vit	Yes	
O	K series	7.37	0.02480	26.75	0.86	SiO2	Yes	
Na	K series	2.05	0.00864	2.90	0.25	Albite	Yes	
Cl	K series	1.89	0.01652	2.34	0.13	NaCl	Yes	
Cu	K series	1.33	0.01329	1.96	0.31	Cu	Yes	
Total:				100.00				

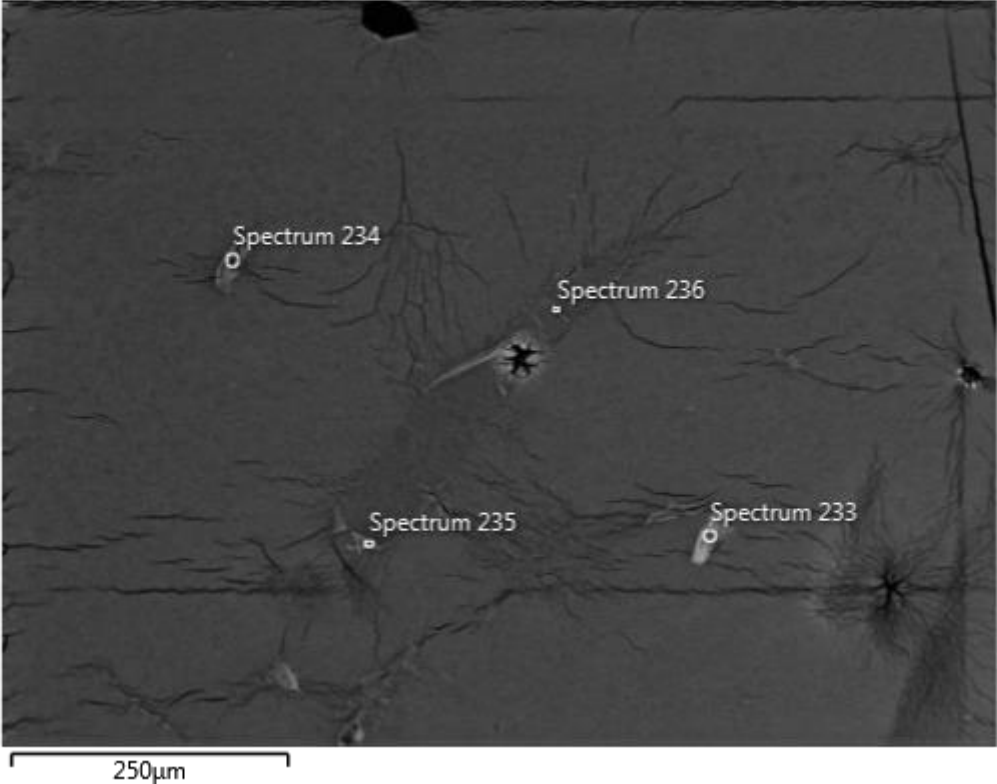
[Click here to enter text.](#)

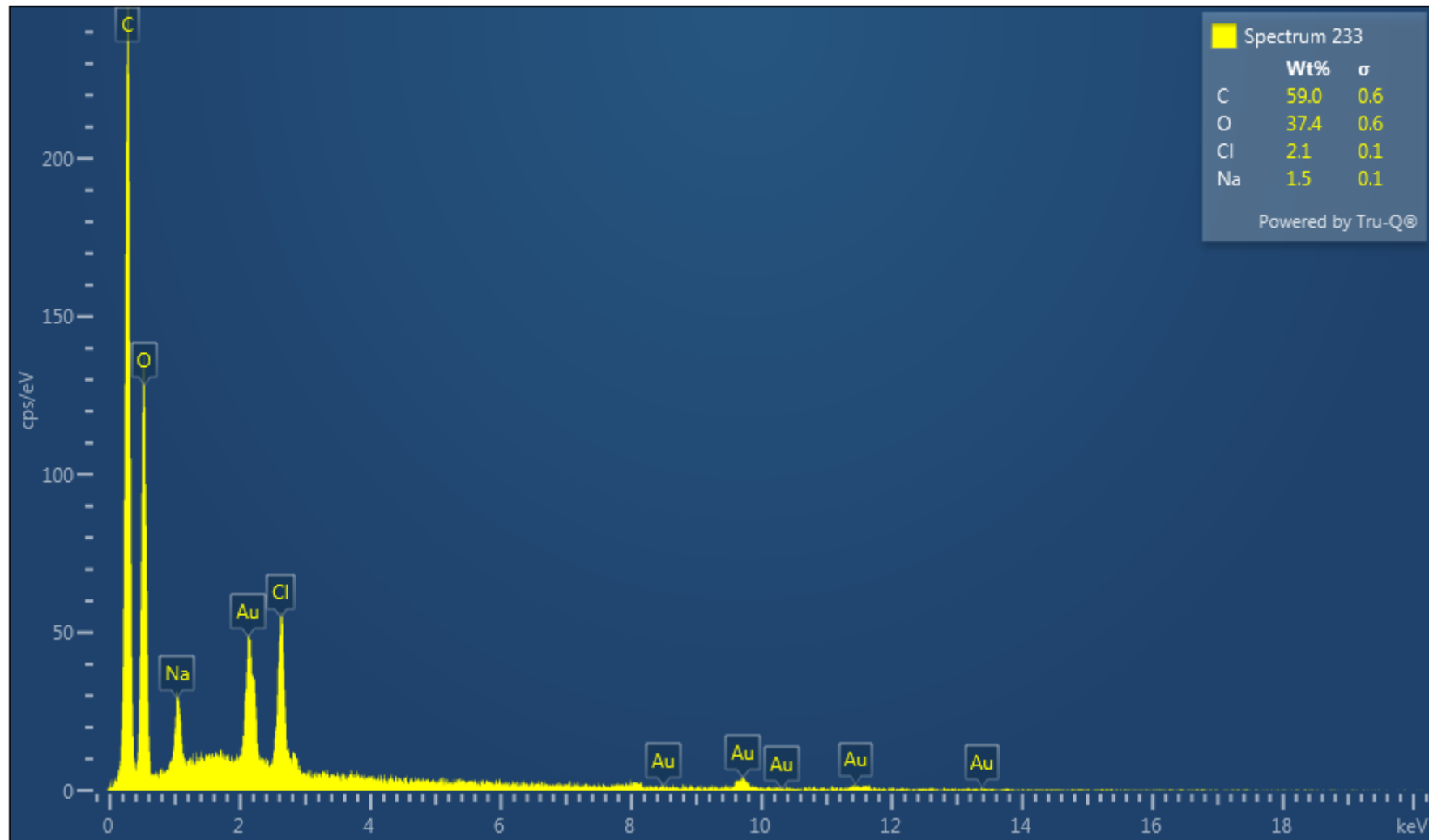
[Click here to enter text.](#)

Project Notes

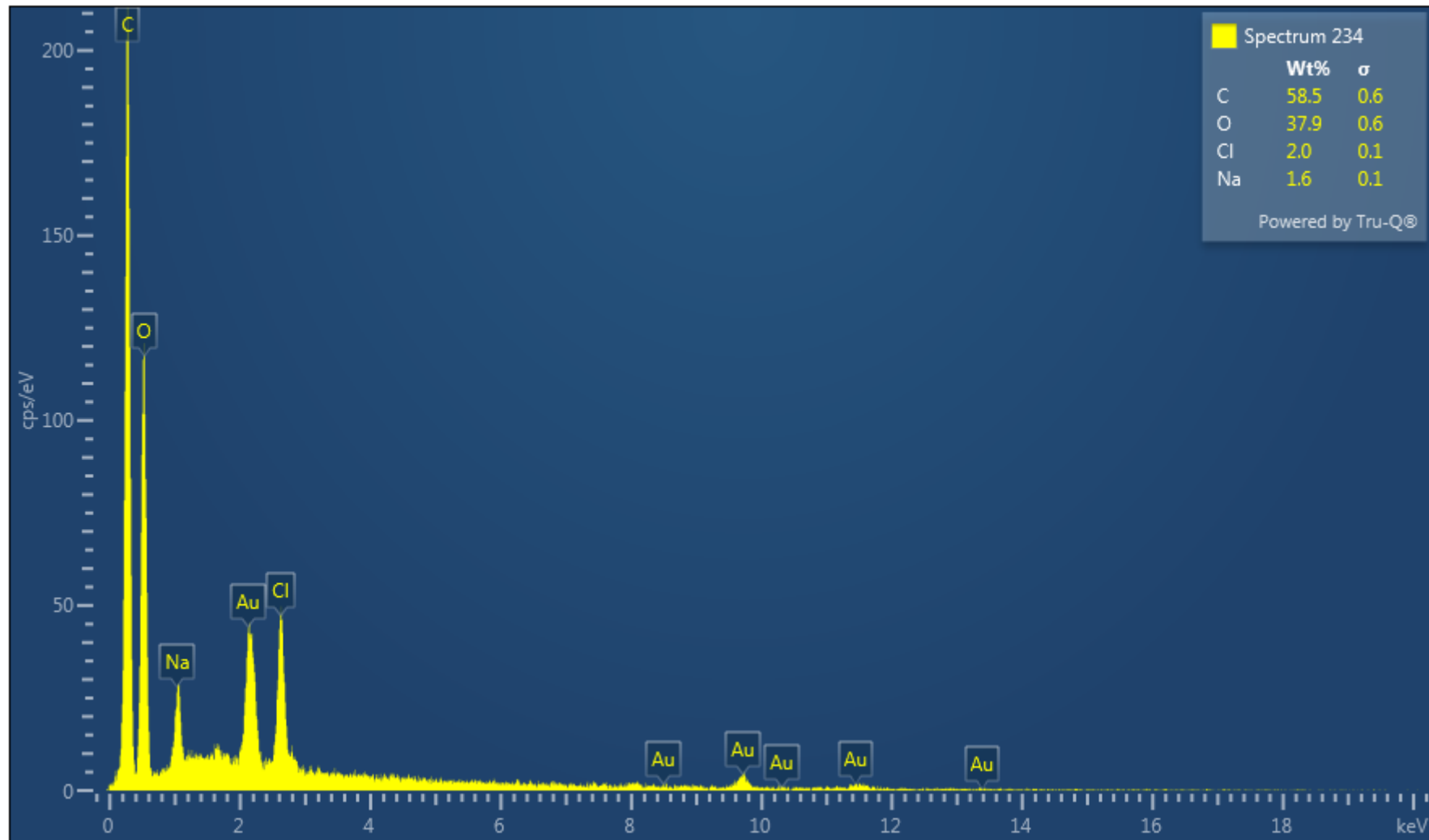
Specimen Notes

Electron Image 74

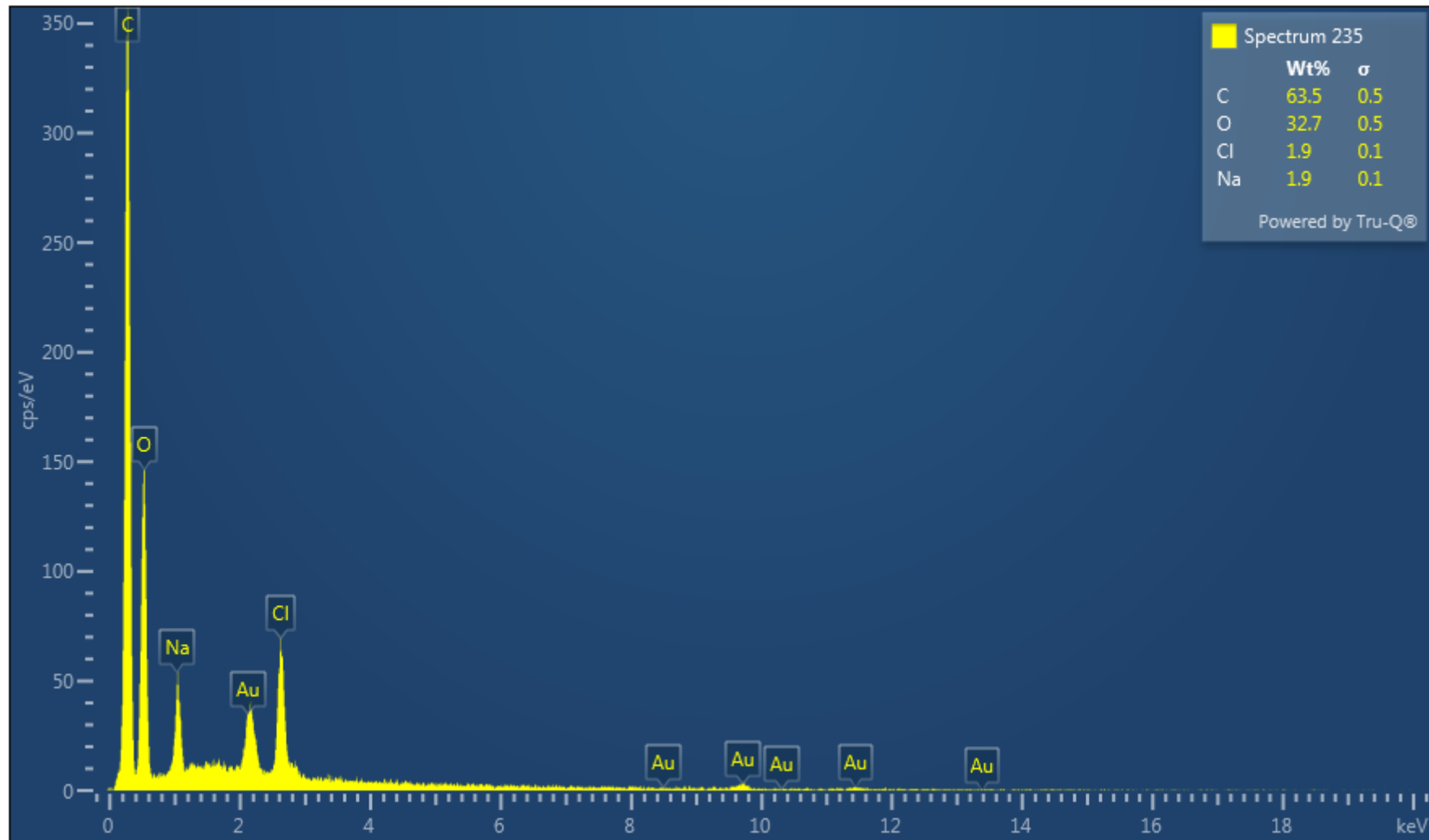




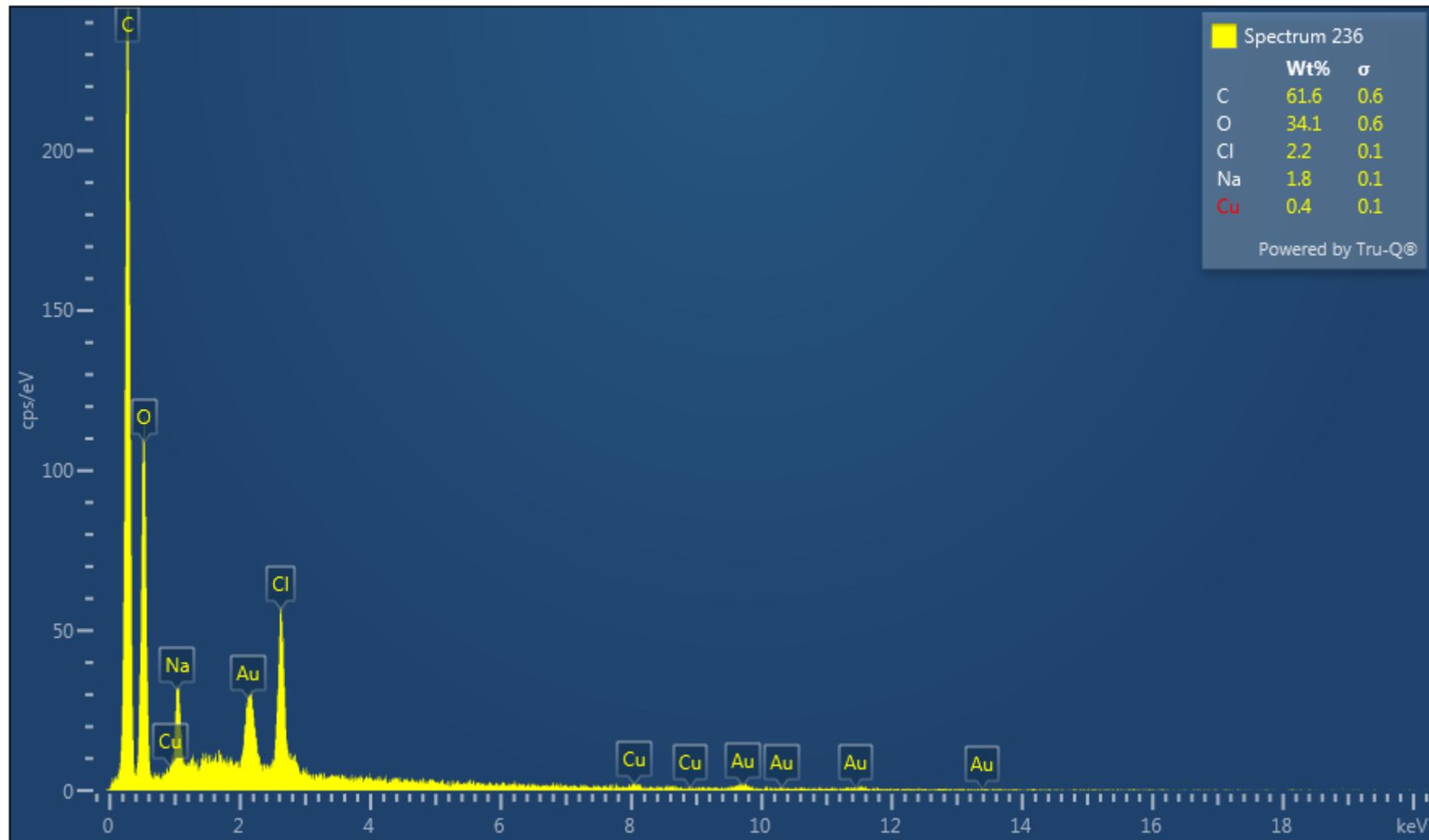
Spectrum 233								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	18.68	0.18678	59.01	0.57	C Vit	Yes	
O	K series	15.50	0.05217	37.44	0.57	SiO2	Yes	
Na	K series	1.32	0.00558	1.47	0.09	Albite	Yes	
Cl	K series	2.22	0.01942	2.08	0.07	NaCl	Yes	
Total:				100.00				



Spectrum 234								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	15.91	0.15911	58.50	0.61	C Vit	Yes	
O	K series	13.63	0.04586	37.89	0.60	SiO2	Yes	
Na	K series	1.21	0.00512	1.57	0.10	Albite	Yes	
Cl	K series	1.87	0.01631	2.03	0.08	NaCl	Yes	
Total:				100.00				



Spectrum 235								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	27.62	0.27620	63.45	0.50	C Vit	Yes	
O	K series	16.53	0.05561	32.69	0.50	SiO2	Yes	
Na	K series	2.35	0.00994	1.93	0.08	Albite	Yes	
Cl	K series	2.72	0.02376	1.93	0.06	NaCl	Yes	
Total:				100.00				



Spectrum 236								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	18.80	0.18800	61.58	0.57	C Vit	Yes	
O	K series	13.07	0.04399	34.08	0.56	SiO2	Yes	
Na	K series	1.61	0.00679	1.81	0.11	Albite	Yes	
Cl	K series	2.26	0.01972	2.17	0.07	NaCl	Yes	
Cu	K series	0.31	0.00312	0.36	0.09	Cu	Yes	
Total:				100.00				

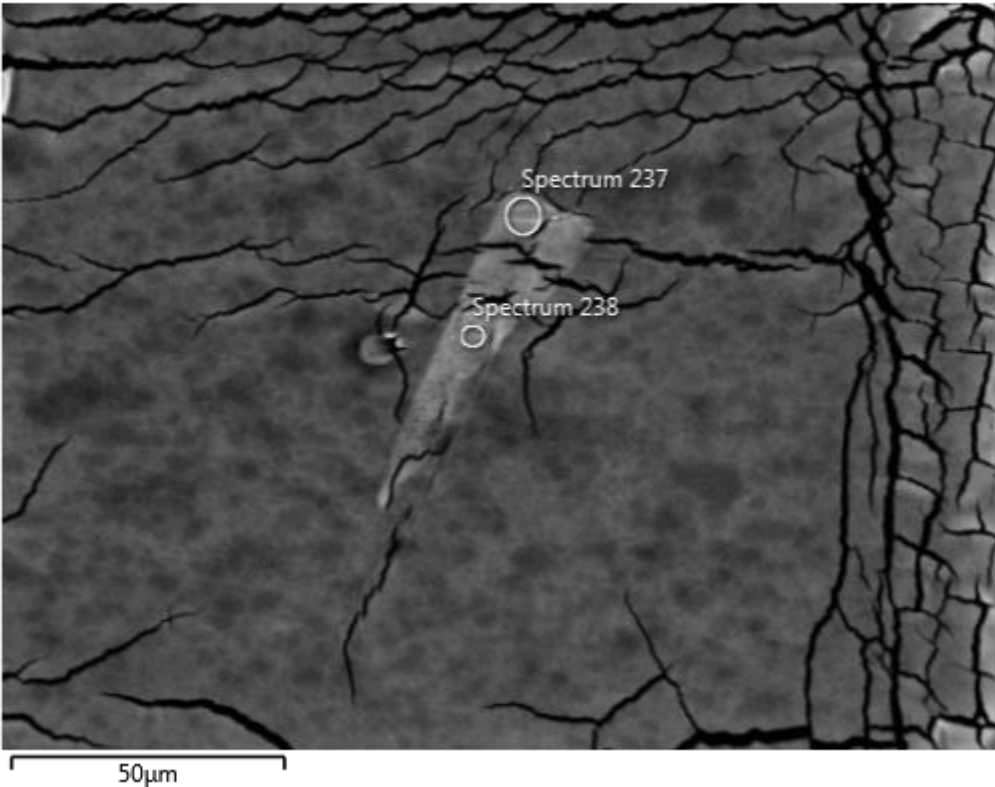
[Click here to enter text.](#)

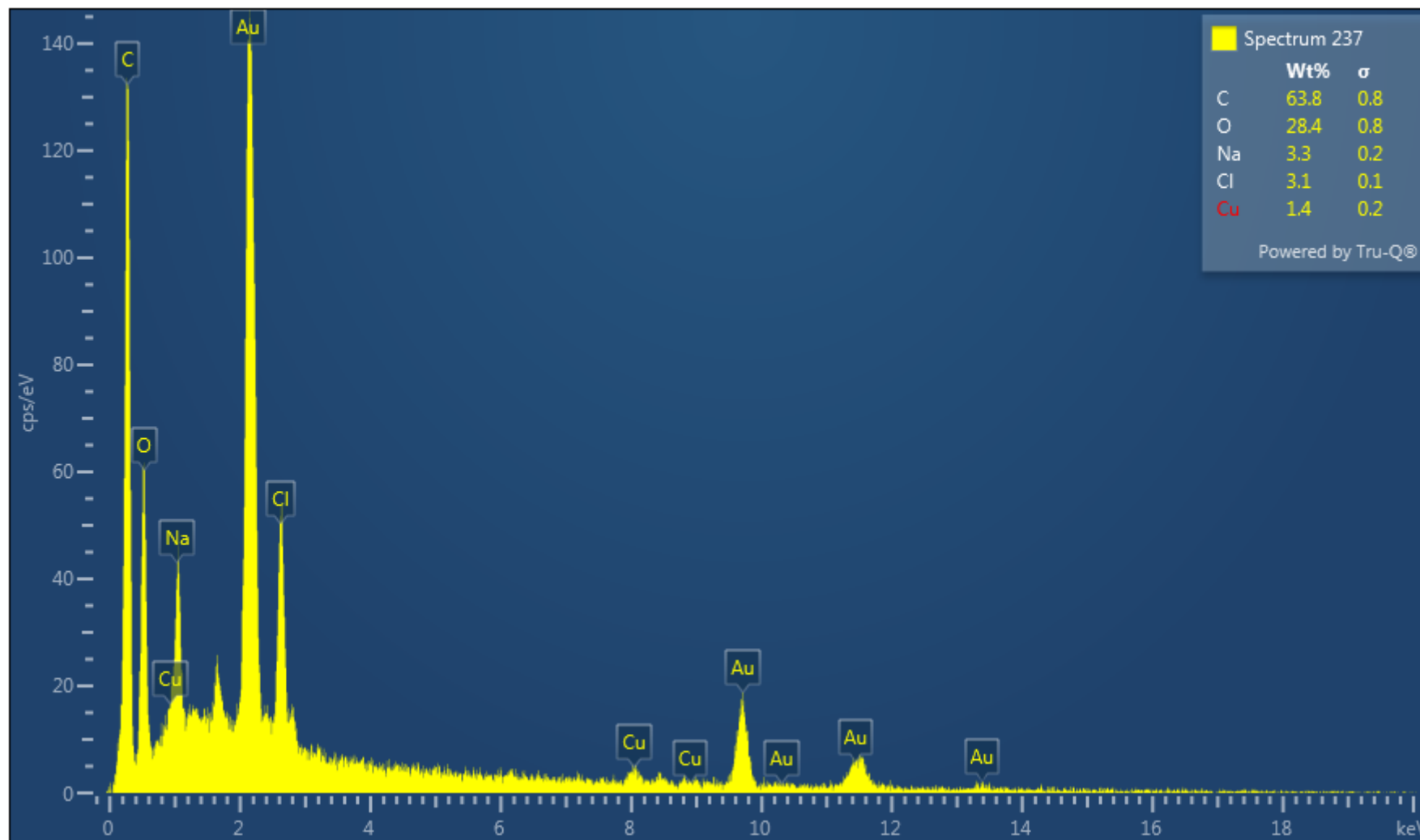
[Click here to enter text.](#)

[Project Notes](#)

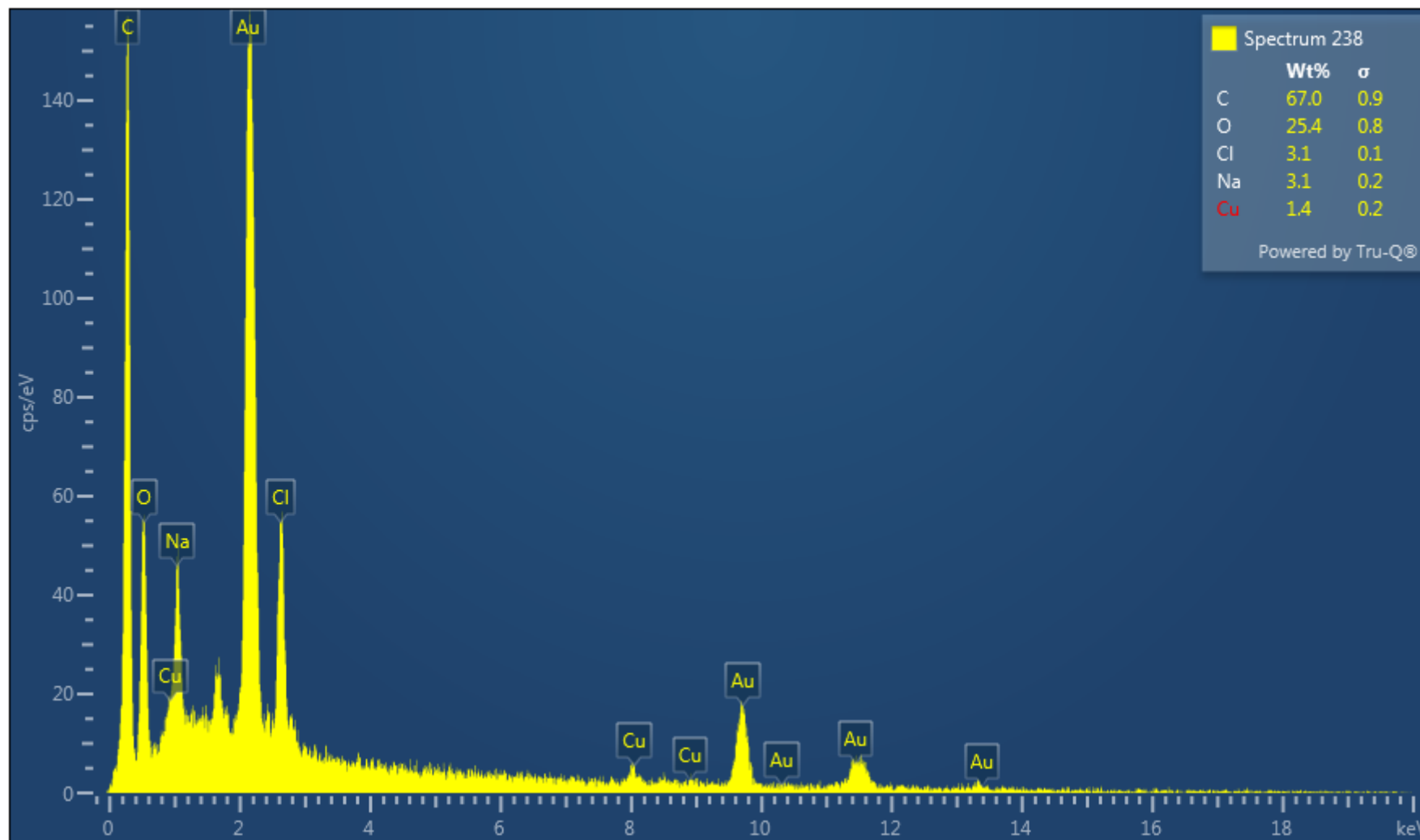
[Specimen Notes](#)

Electron Image 75





Spectrum 237								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	10.53	0.10527	63.81	0.85	C Vit	Yes	
O	K series	6.41	0.02157	28.45	0.82	SiO2	Yes	
Na	K series	1.87	0.00788	3.30	0.23	Albite	Yes	
Cl	K series	1.99	0.01736	3.08	0.13	NaCl	Yes	
Cu	K series	0.74	0.00740	1.36	0.24	Cu	Yes	
Total:				100.00				



Spectrum 238								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	11.92	0.11917	66.98	0.86	C Vit	Yes	
O	K series	5.74	0.01932	25.38	0.84	SiO2	Yes	
Na	K series	1.87	0.00788	3.07	0.23	Albite	Yes	
Cl	K series	2.13	0.01862	3.12	0.13	NaCl	Yes	
Cu	K series	0.83	0.00829	1.45	0.23	Cu	Yes	
Total:				100.00				



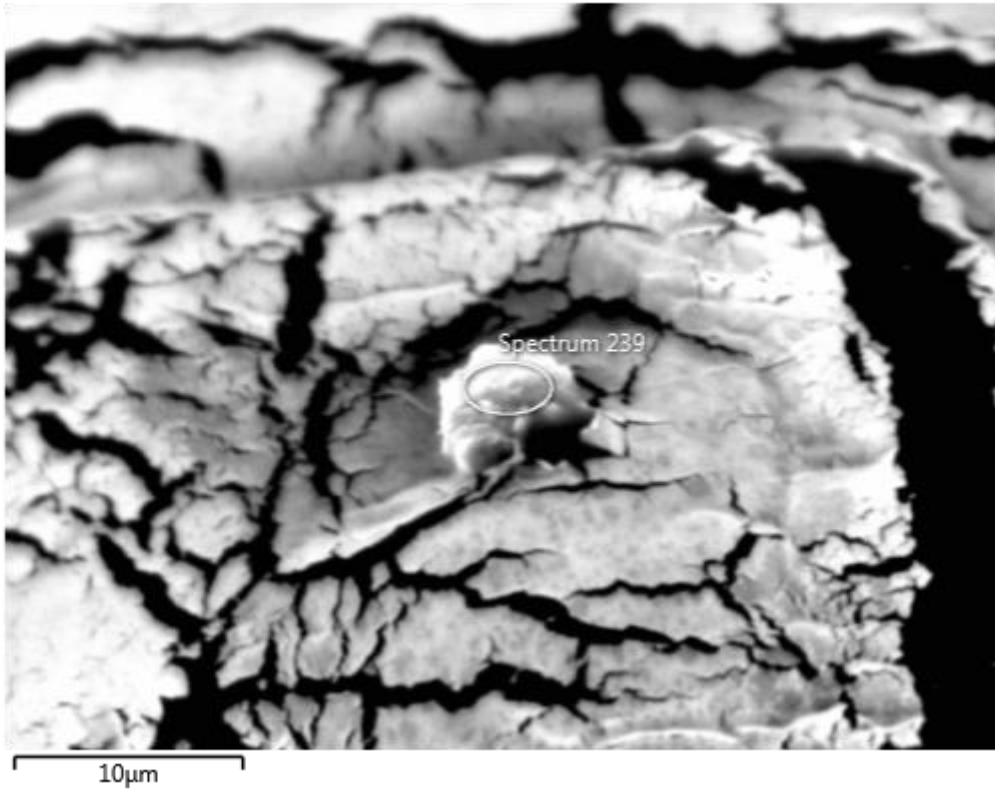
[Click here to enter text.](#)

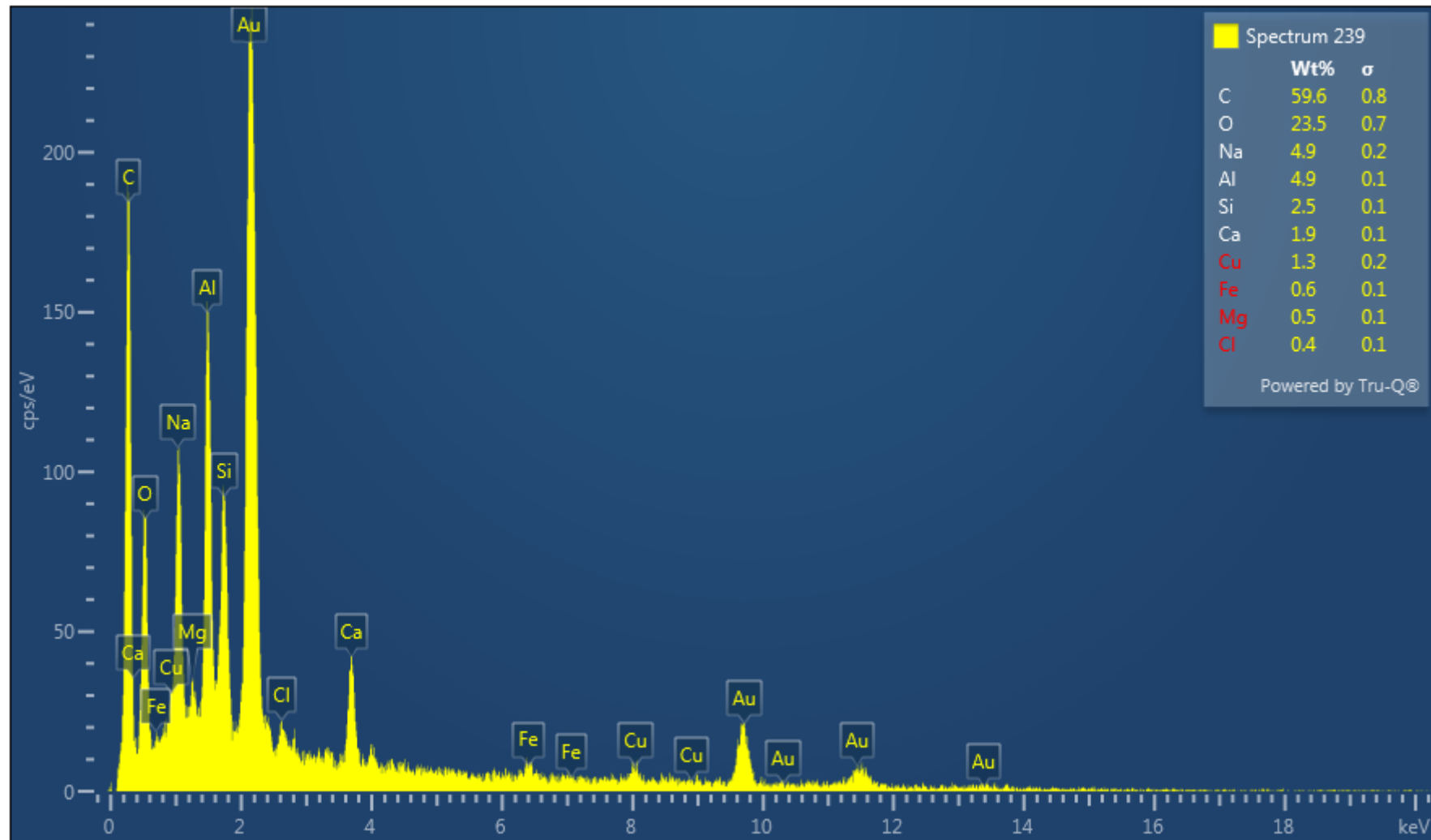
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 76





VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	14.52	0.14521	59.61	0.76	C Vit	Yes	
O	K series	9.08	0.03055	23.49	0.72	SiO2	Yes	
Na	K series	5.04	0.02127	4.87	0.22	Albite	Yes	
Mg	K series	0.41	0.00274	0.47	0.10	MgO	Yes	
Al	K series	4.89	0.03516	4.86	0.14	Al2O3	Yes	
Si	K series	2.61	0.02066	2.52	0.11	SiO2	Yes	
Cl	K series	0.46	0.00399	0.43	0.07	NaCl	Yes	
Ca	K series	2.20	0.01969	1.88	0.09	Wollastonite	Yes	
Fe	K series	0.59	0.00590	0.60	0.12	Fe	Yes	
Cu	K series	1.20	0.01197	1.27	0.20	Cu	Yes	

VACUNAS

10/13/2022

Total:

100.00

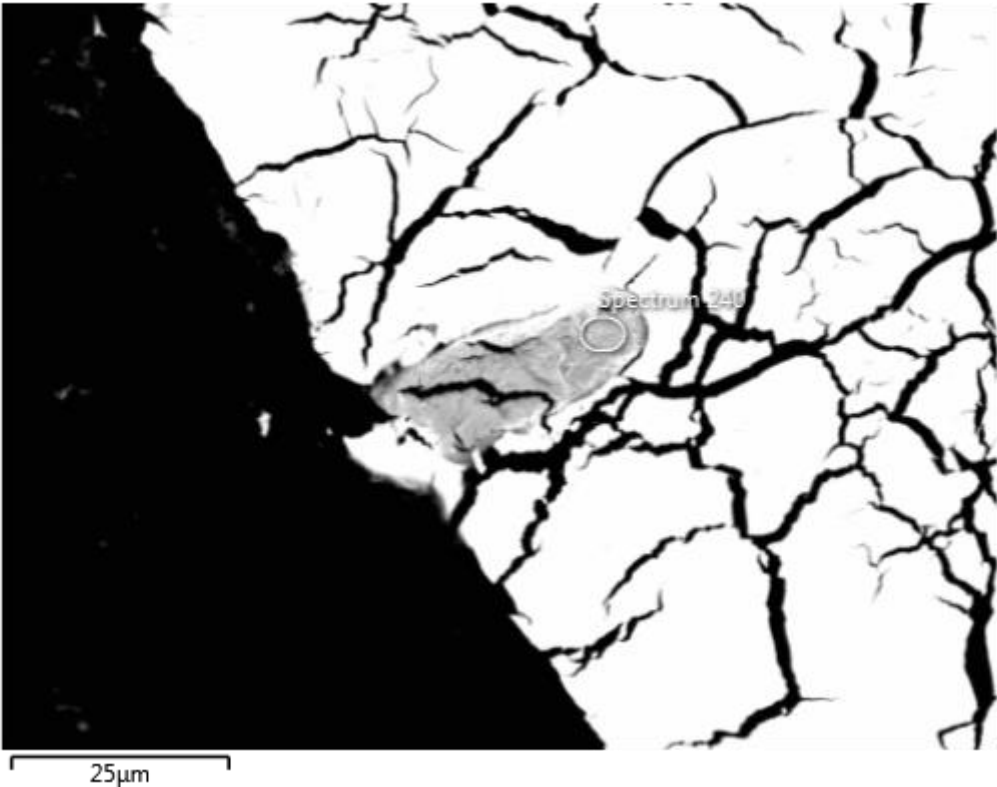
[Click here to enter text.](#)

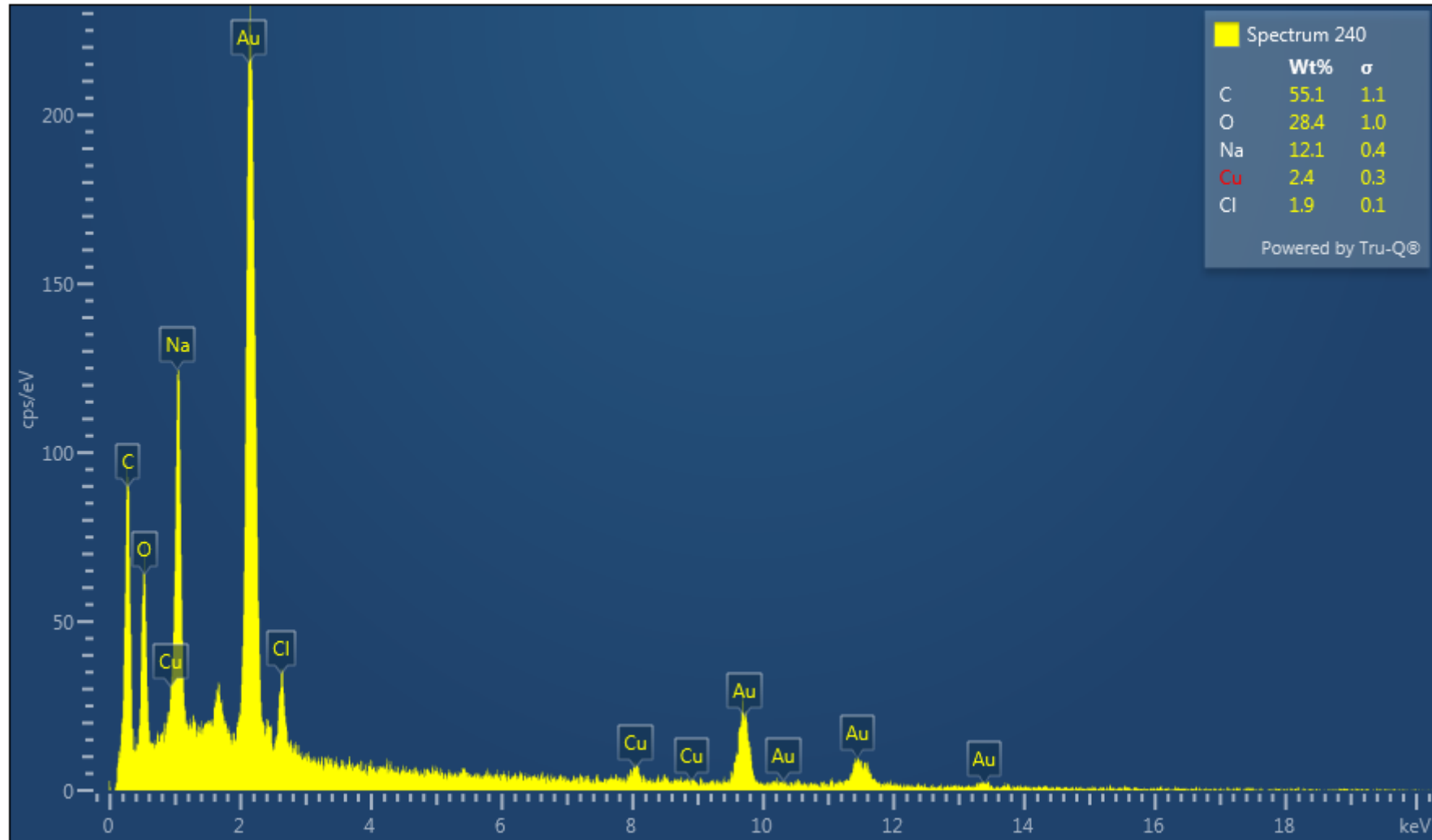
[Click here to enter text.](#)

[Project Notes](#)

[Specimen Notes](#)

Electron Image 77





Spectrum 240								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	7.00	0.06996	55.14	1.06	C Vit	Yes	
O	K series	6.55	0.02204	28.37	0.97	SiO2	Yes	
Na	K series	6.30	0.02657	12.11	0.44	Albite	Yes	
Cl	K series	1.09	0.00950	1.94	0.13	NaCl	Yes	
Cu	K series	1.19	0.01191	2.44	0.34	Cu	Yes	
Total:				100.00				



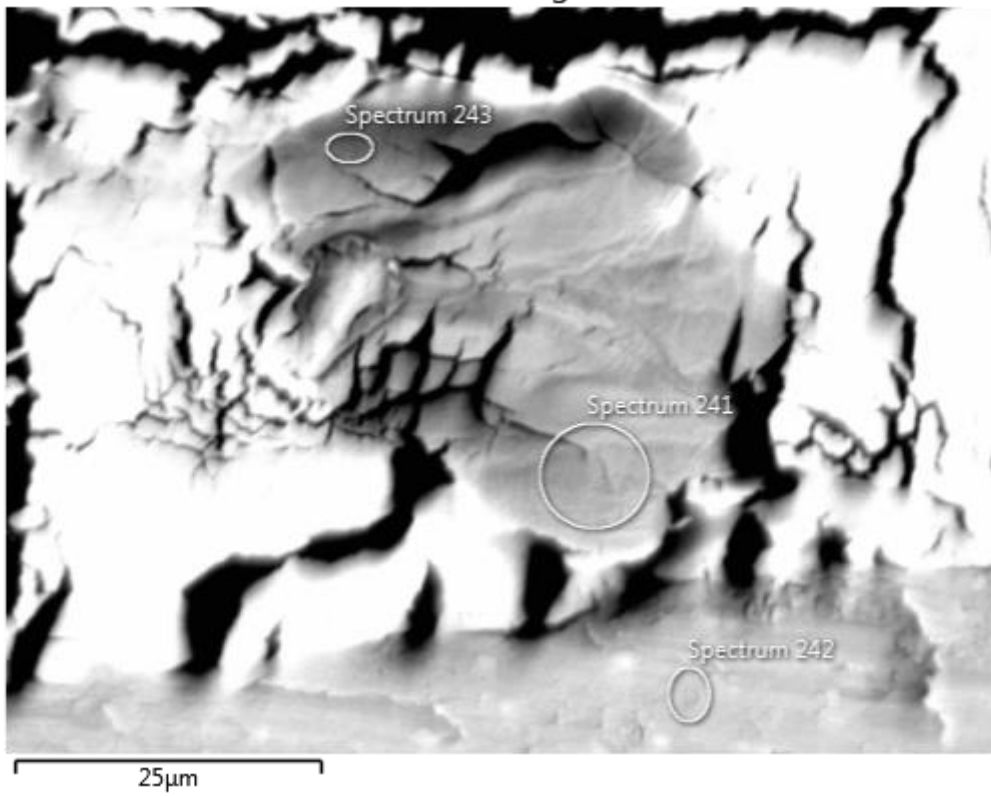
[Click here to enter text.](#)

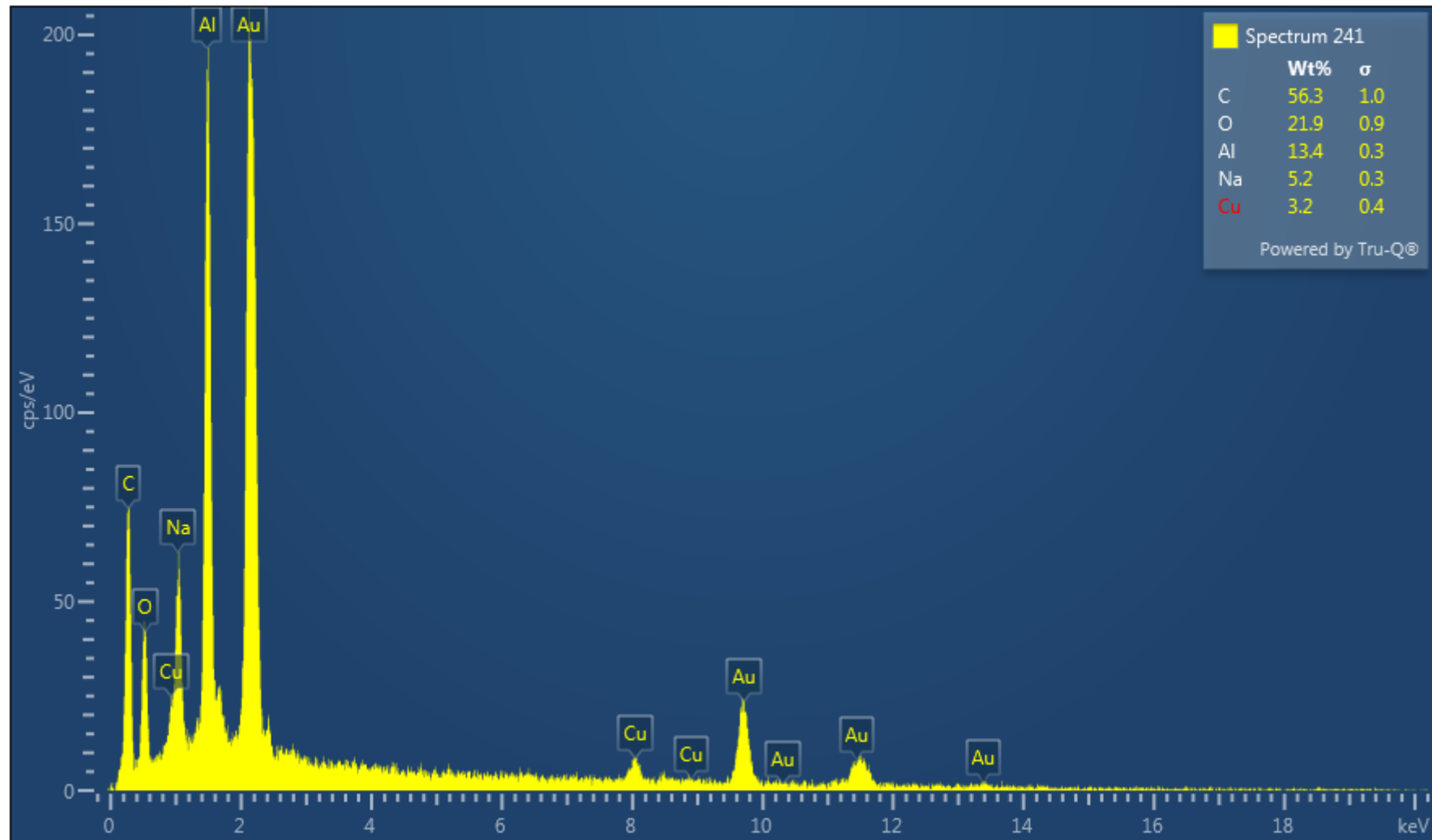
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 78



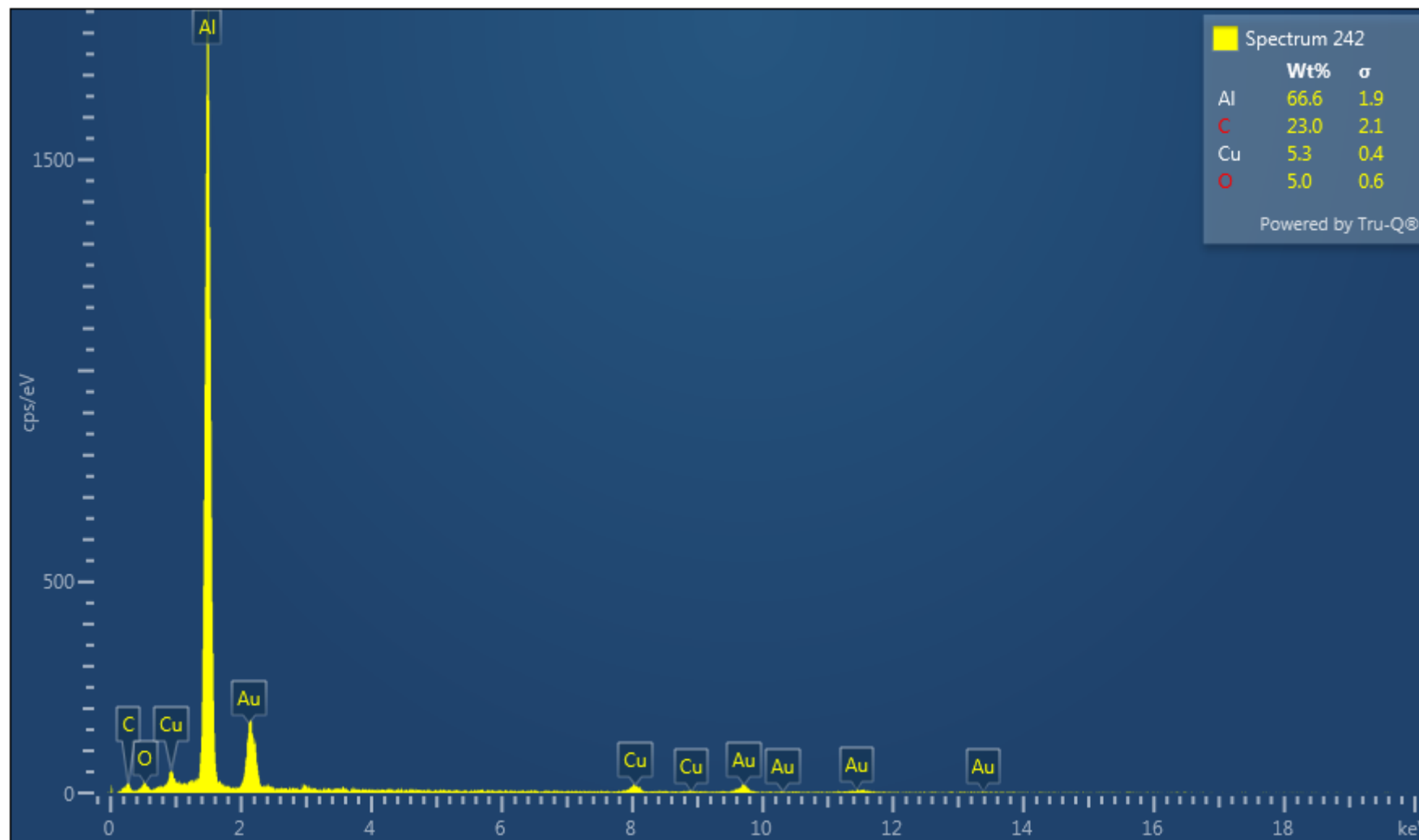


VACUNAS

10/13/2022

Spectrum 241

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	5.47	0.05473	56.26	1.01	C Vit	Yes	
O	K series	4.45	0.01497	21.92	0.89	SiO2	Yes	
Na	K series	2.69	0.01135	5.24	0.30	Albite	Yes	
Al	K series	6.58	0.04727	13.39	0.35	Al2O3	Yes	
Cu	K series	1.47	0.01466	3.19	0.37	Cu	Yes	
Total:				100.00				

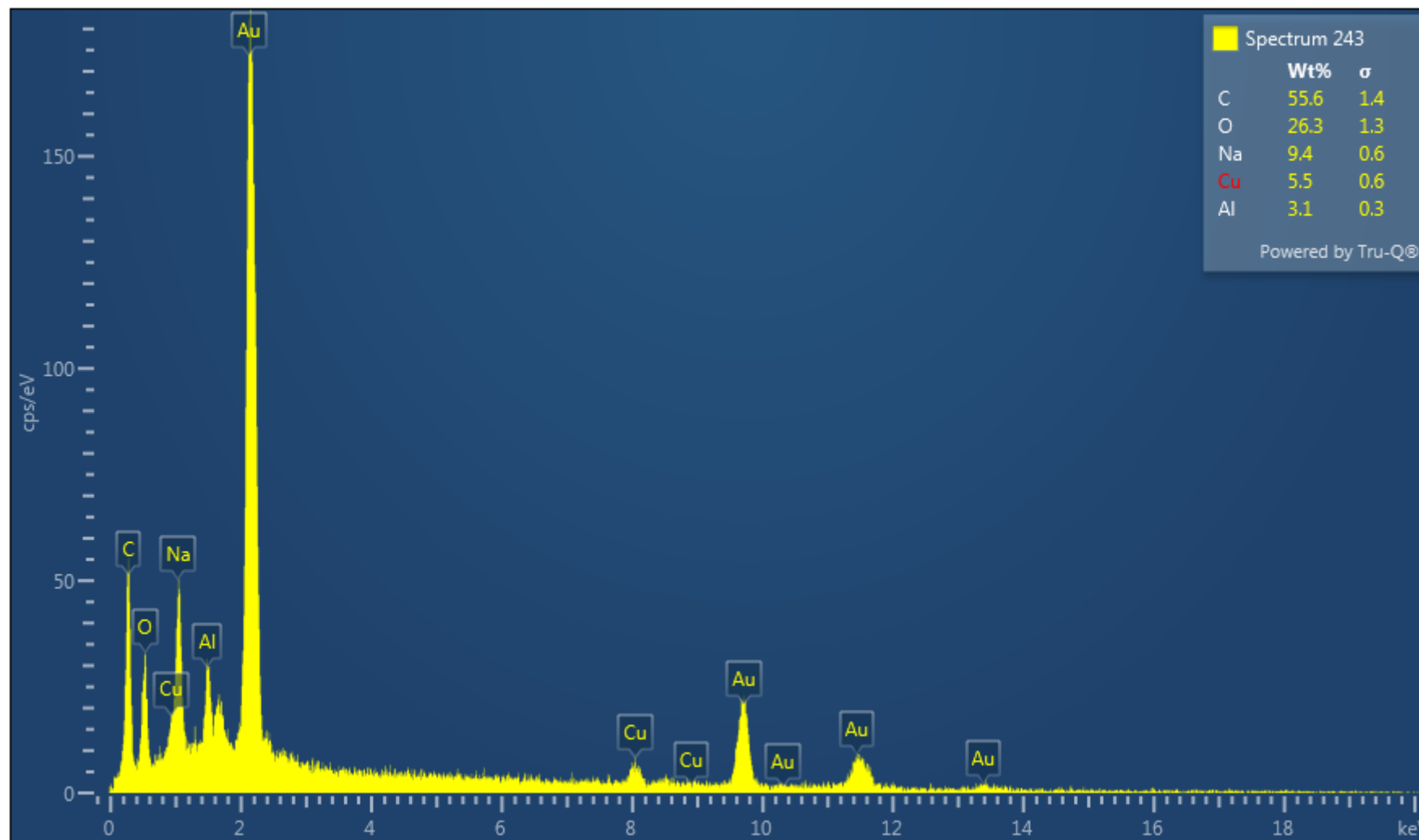


VACUNAS

10/13/2022

S p e c t r u m 2 4 2										
---	--	--	--	--	--	--	--	--	--	--

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	1.21	0.01205	23.04	2.14	C Vit	Yes	
O	K series	1.96	0.00660	5.04	0.57	SiO2	Yes	
Al	K series	66.26	0.47590	66.58	1.91	Al2O3	Yes	
Cu	K series	4.16	0.04155	5.34	0.41	Cu	Yes	
Total:				100.00				



VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	3.57	0.03567	55.63	1.37	C Vit	Yes	
O	K series	2.92	0.00984	26.32	1.28	SiO2	Yes	
Na	K series	2.23	0.00943	9.44	0.55	Albite	Yes	
Al	K series	0.70	0.00501	3.13	0.25	Al2O3	Yes	
Cu	K series	1.29	0.01287	5.48	0.62	Cu	Yes	
Total:				100.00				

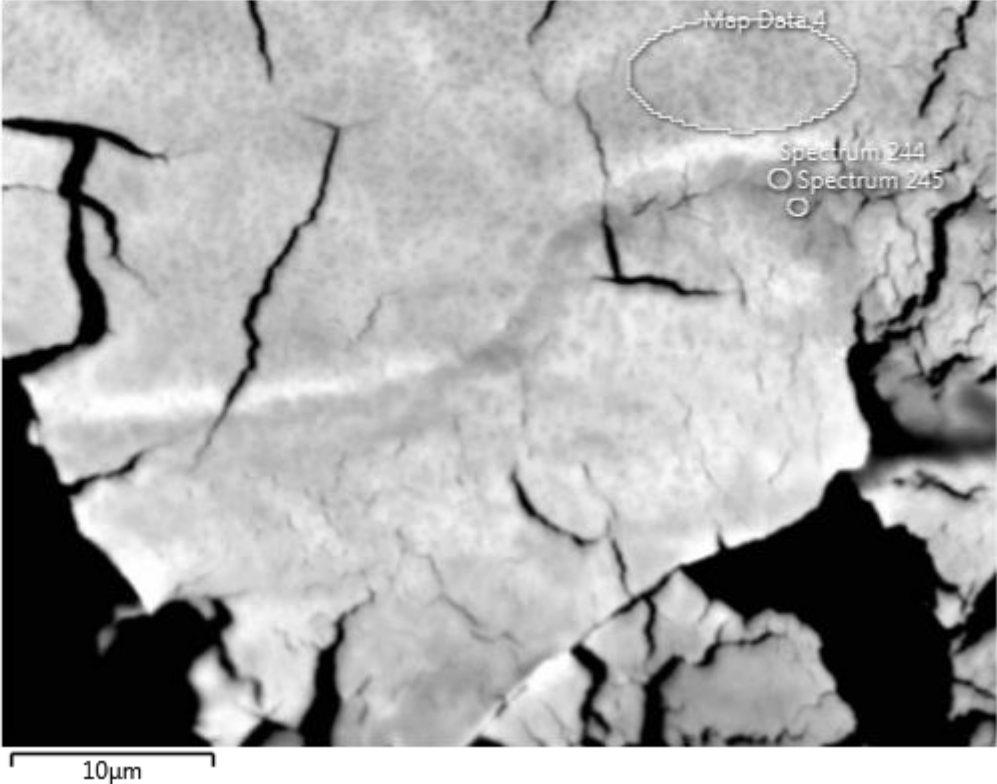
[Click here to enter text.](#)

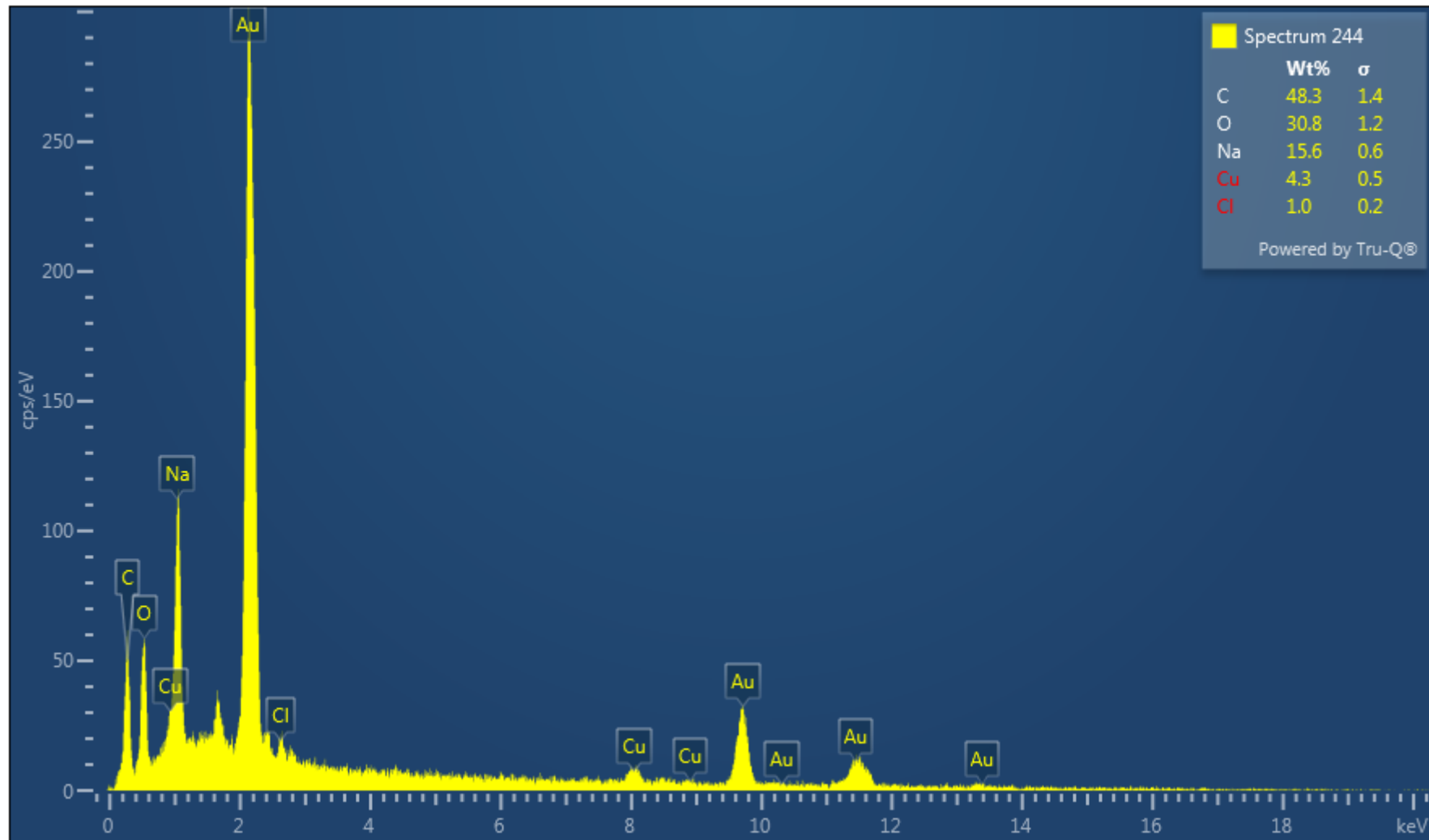
[Click here to enter text.](#)

Project Notes

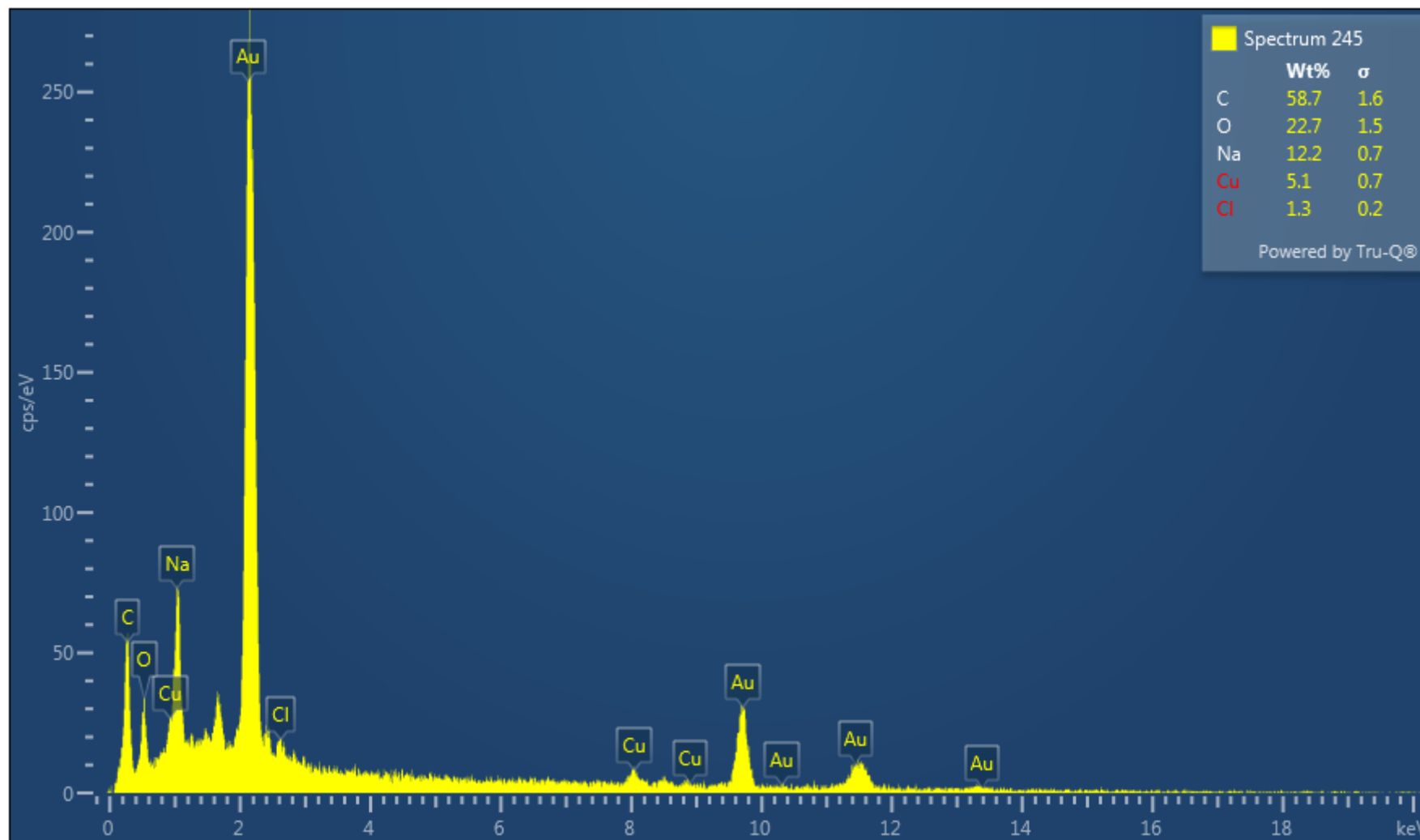
Specimen Notes

Electron Image 79



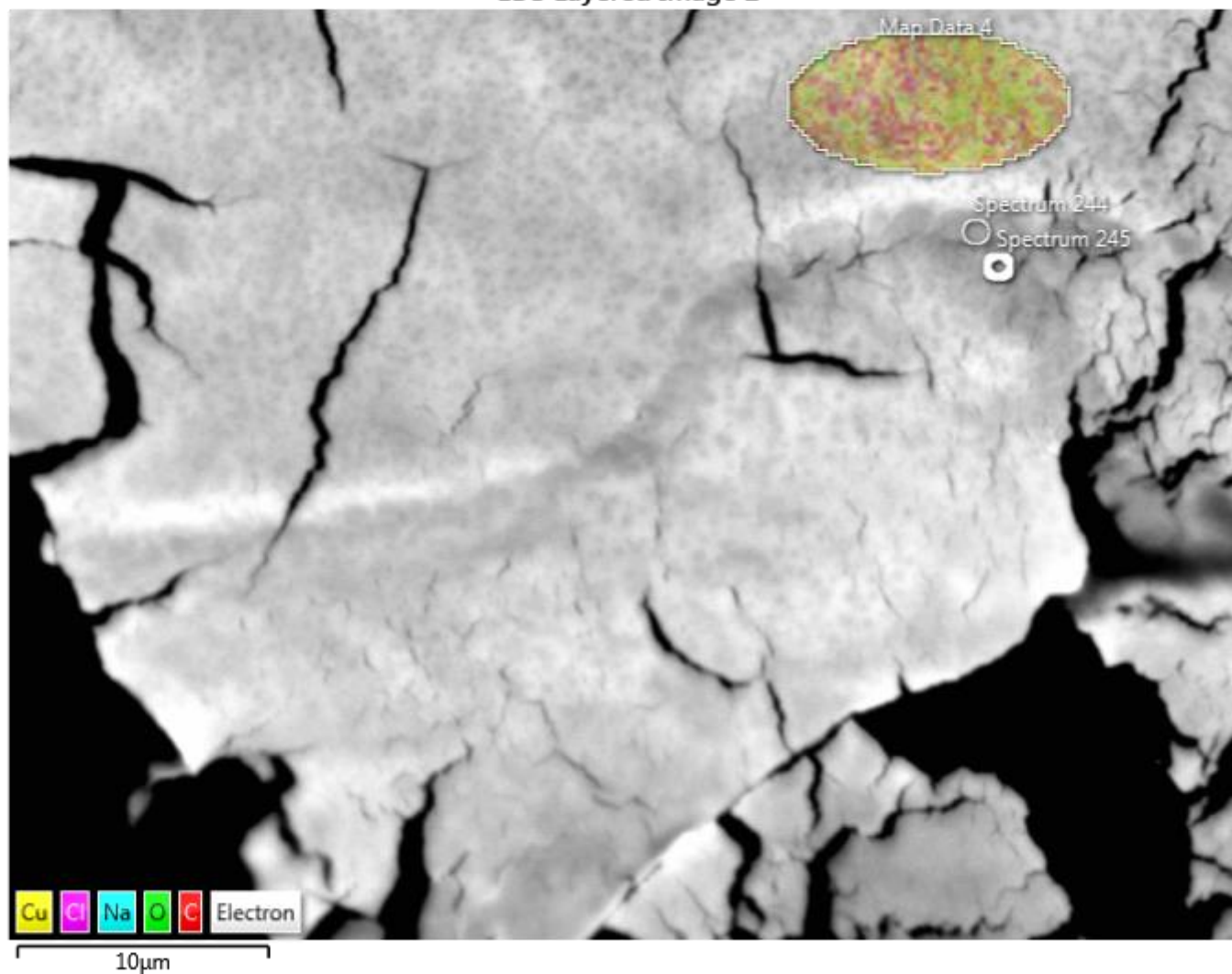


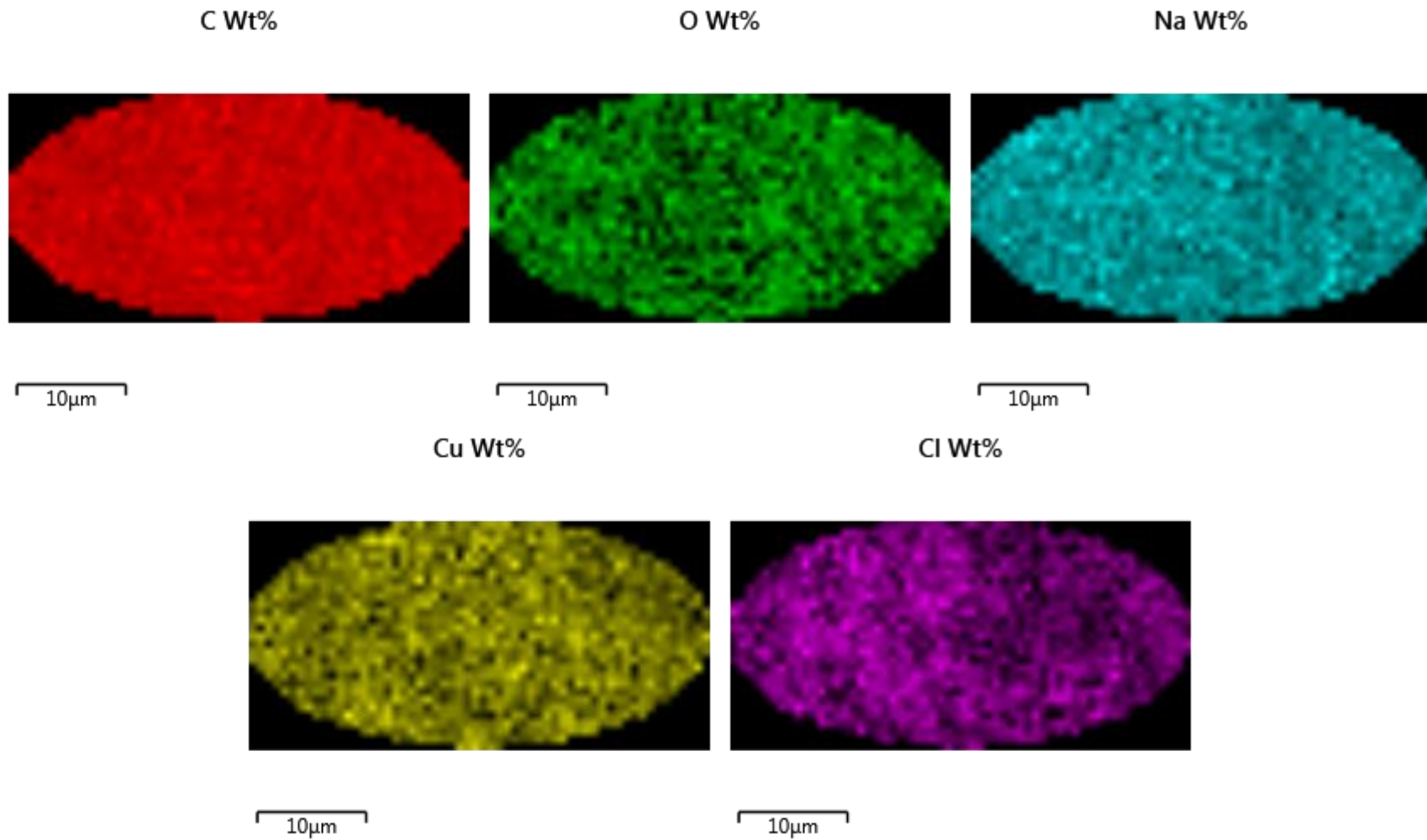
Spectrum 244								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	4.12	0.04117	48.34	1.39	C Vit	Yes	
O	K series	5.75	0.01935	30.78	1.18	SiO2	Yes	
Na	K series	5.57	0.02350	15.56	0.64	Albite	Yes	
Cl	K series	0.41	0.00356	1.03	0.17	NaCl	Yes	
Cu	K series	1.50	0.01498	4.28	0.55	Cu	Yes	
Total:				100.00				

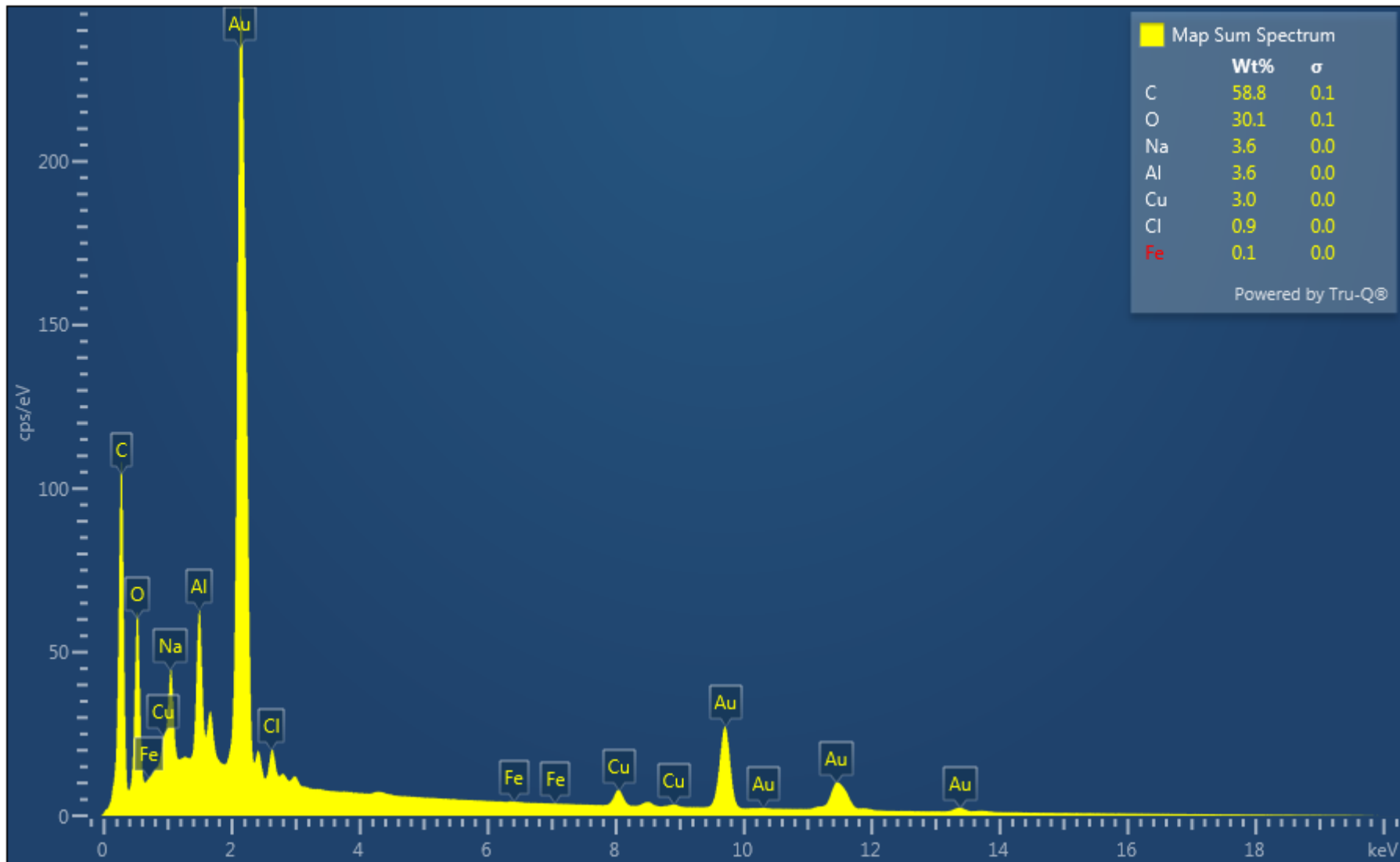


Spectrum 245								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	3.97	0.03971	58.75	1.61	C Vit	Yes	
O	K series	2.56	0.00861	22.71	1.47	SiO2	Yes	
Na	K series	3.20	0.01349	12.15	0.70	Albite	Yes	
Cl	K series	0.37	0.00320	1.27	0.22	NaCl	Yes	
Cu	K series	1.29	0.01290	5.11	0.69	Cu	Yes	
Total:				100.00				

EDS Layered Image 2







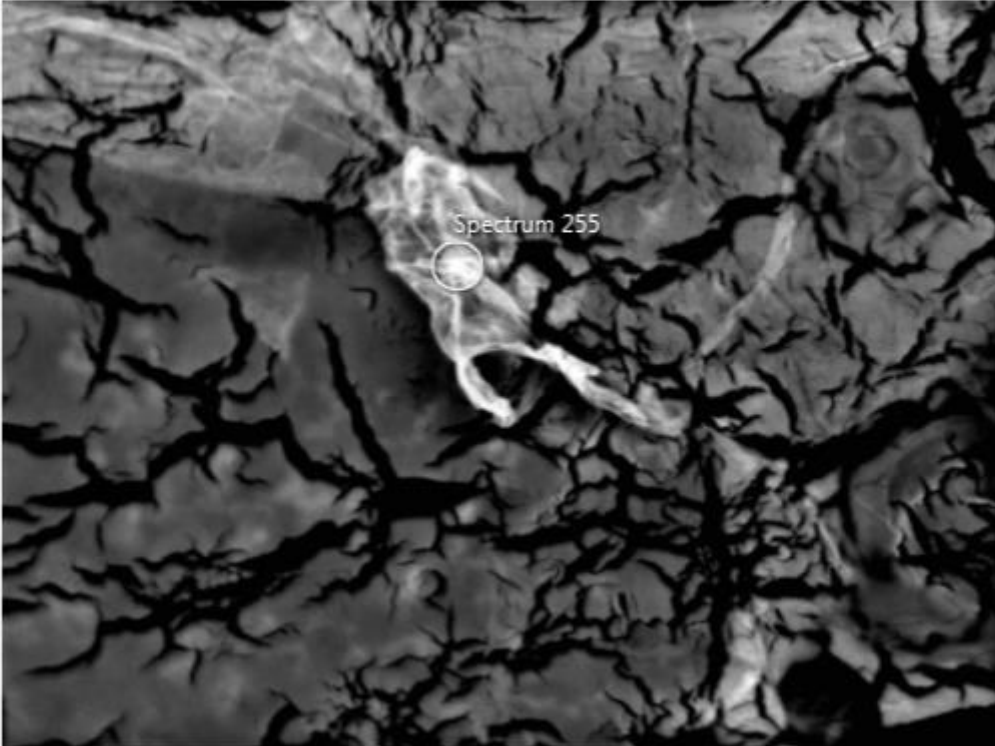
[Click here to enter text.](#)

[Click here to enter text.](#)

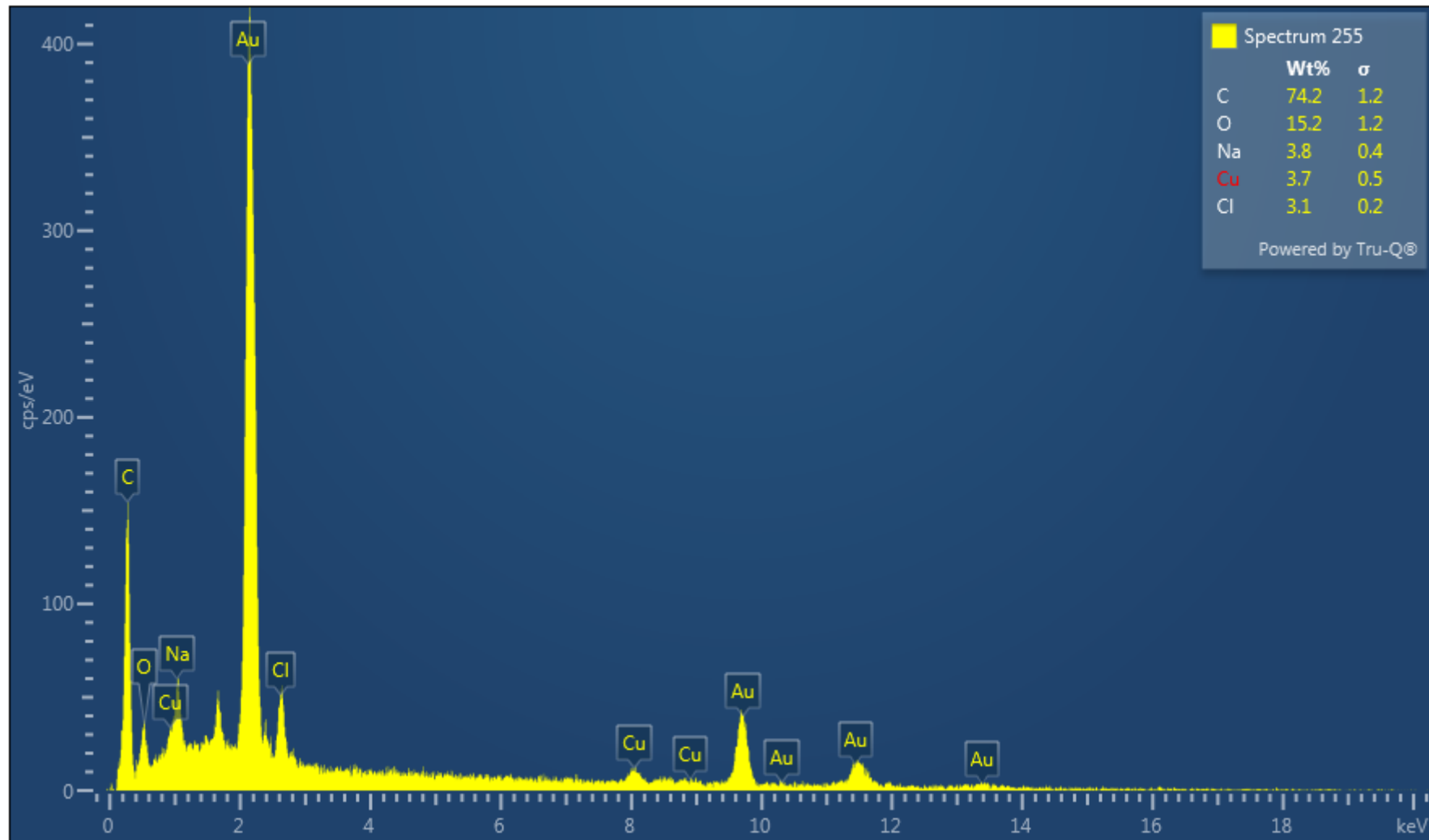
[Project Notes](#)

[Specimen Notes](#)

Electron Image 81



25µm



Spectrum 255								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	10.88	0.10884	74.18	1.24	C Vit	Yes	
O	K series	2.57	0.00866	15.23	1.21	SiO2	Yes	
Na	K series	1.96	0.00826	3.76	0.36	Albite	Yes	
Cl	K series	1.78	0.01555	3.13	0.18	NaCl	Yes	
Cu	K series	1.77	0.01772	3.70	0.49	Cu	Yes	
Total:				100.00				

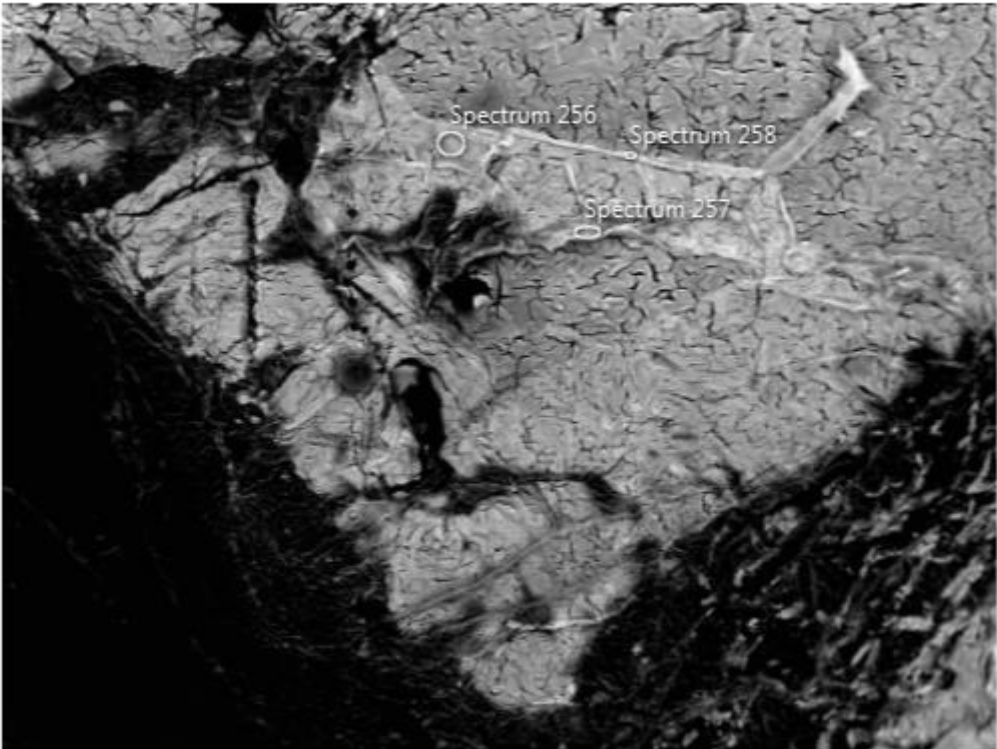
[Click here to enter text.](#)

[Click here to enter text.](#)

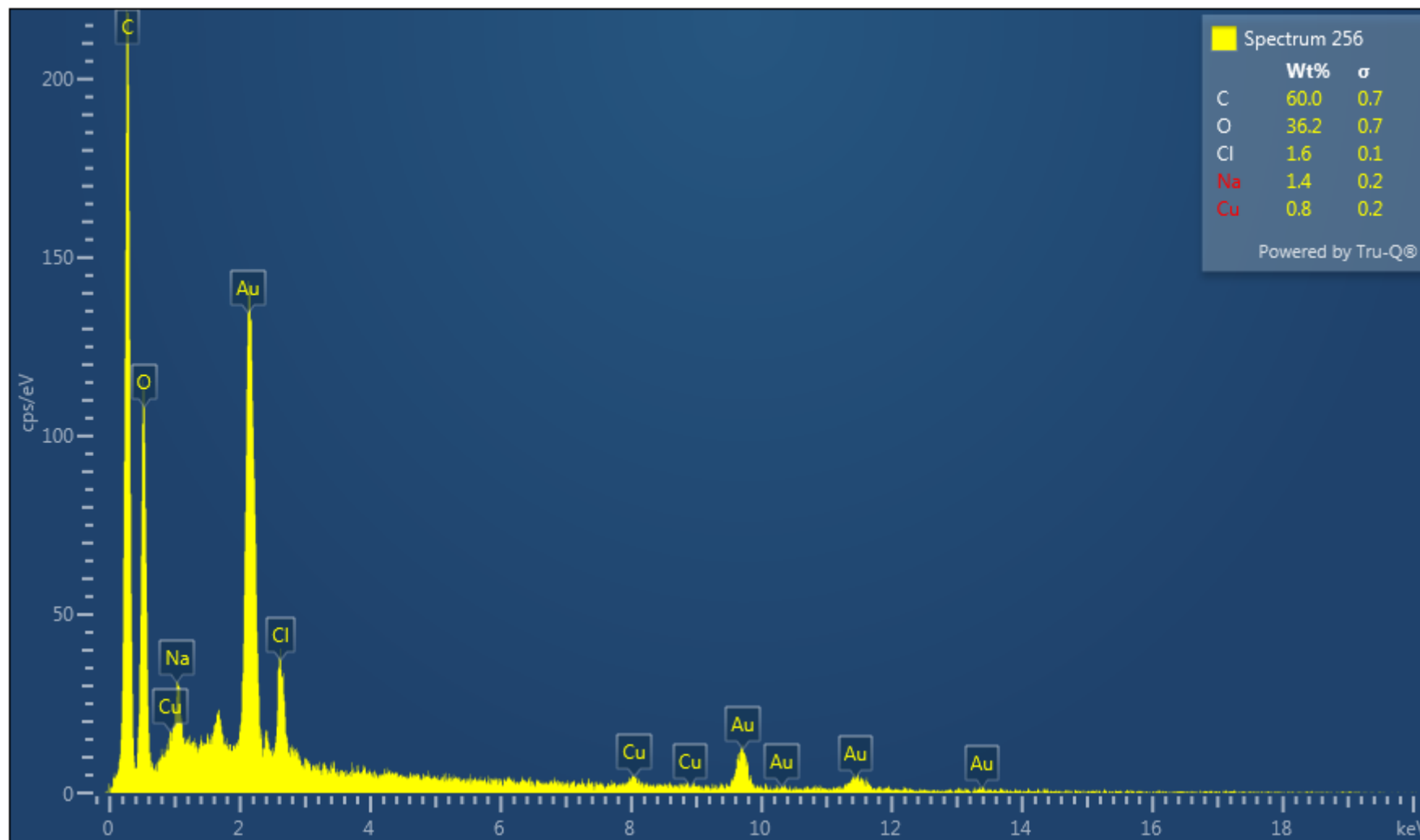
Project Notes

Specimen Notes

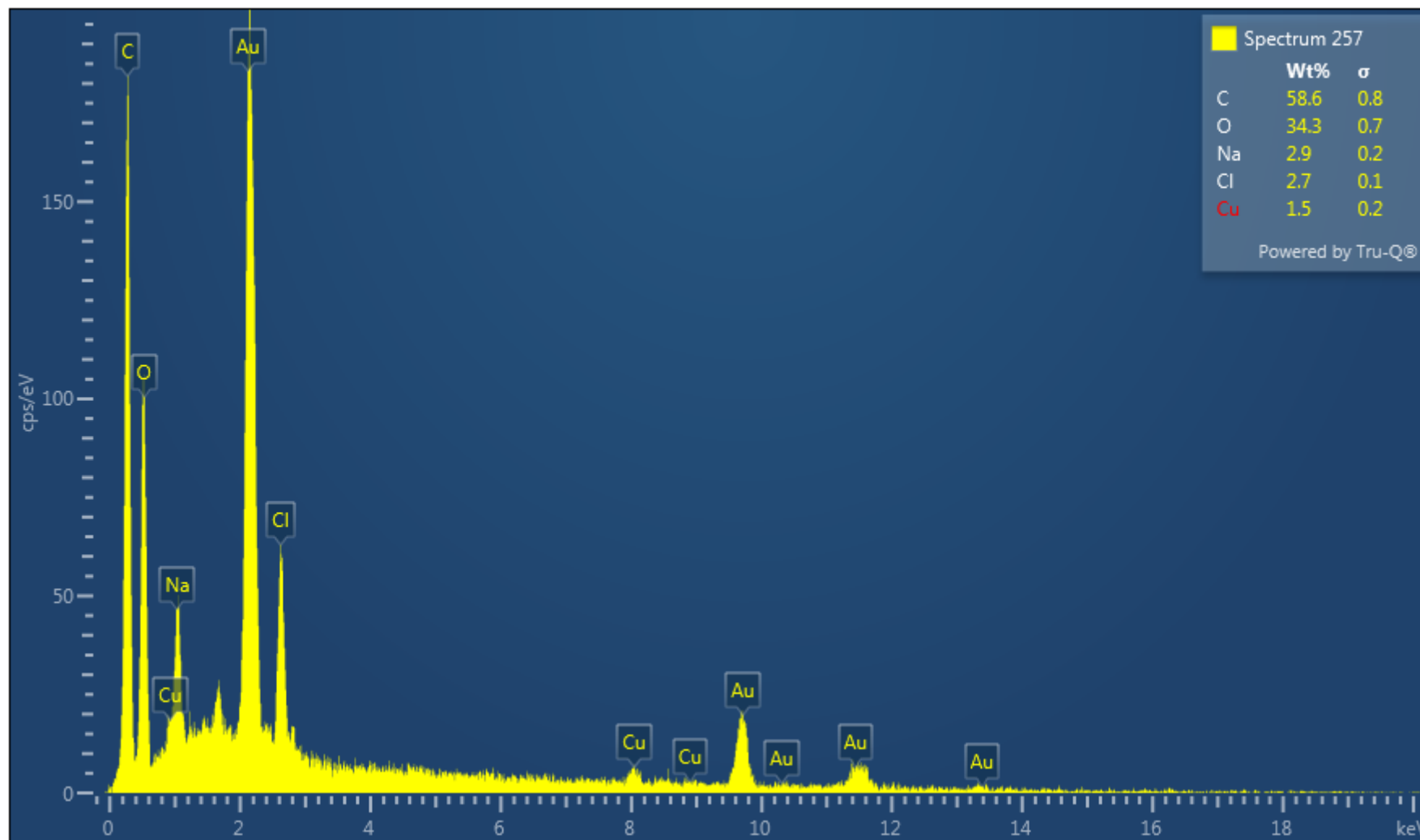
Electron Image 82



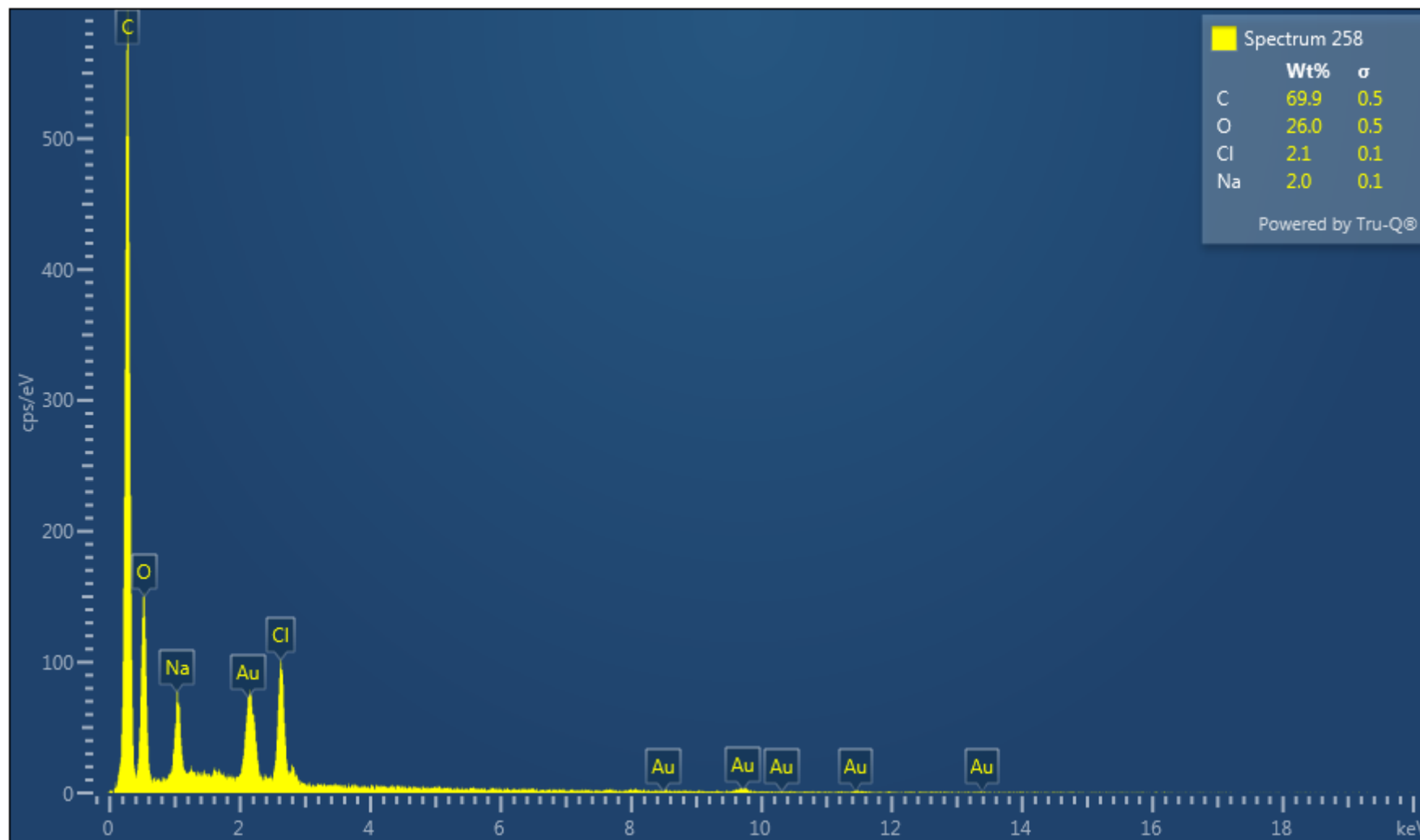
100µm



Spectrum 256								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	16.30	0.16302	59.96	0.69	C Vit	Yes	
O	K series	12.16	0.04093	36.24	0.68	SiO2	Yes	
Na	K series	1.03	0.00436	1.42	0.16	Albite	Yes	
Cl	K series	1.36	0.01187	1.56	0.08	NaCl	Yes	
Cu	K series	0.61	0.00608	0.83	0.17	Cu	Yes	
Total:				100.00				



Spectrum 257								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	12.96	0.12961	58.62	0.76	C Vit	Yes	
O	K series	11.30	0.03801	34.34	0.73	SiO2	Yes	
Na	K series	2.07	0.00874	2.87	0.19	Albite	Yes	
Cl	K series	2.30	0.02012	2.70	0.11	NaCl	Yes	
Cu	K series	1.06	0.01061	1.47	0.21	Cu	Yes	
Total:				100.00				



Spectrum 258								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	43.53	0.43532	69.91	0.46	C Vit	Yes	
O	K series	16.34	0.05499	26.00	0.46	SiO2	Yes	
Na	K series	3.50	0.01477	1.98	0.07	Albite	Yes	
Cl	K series	4.12	0.03603	2.11	0.05	NaCl	Yes	
Total:				100.00				



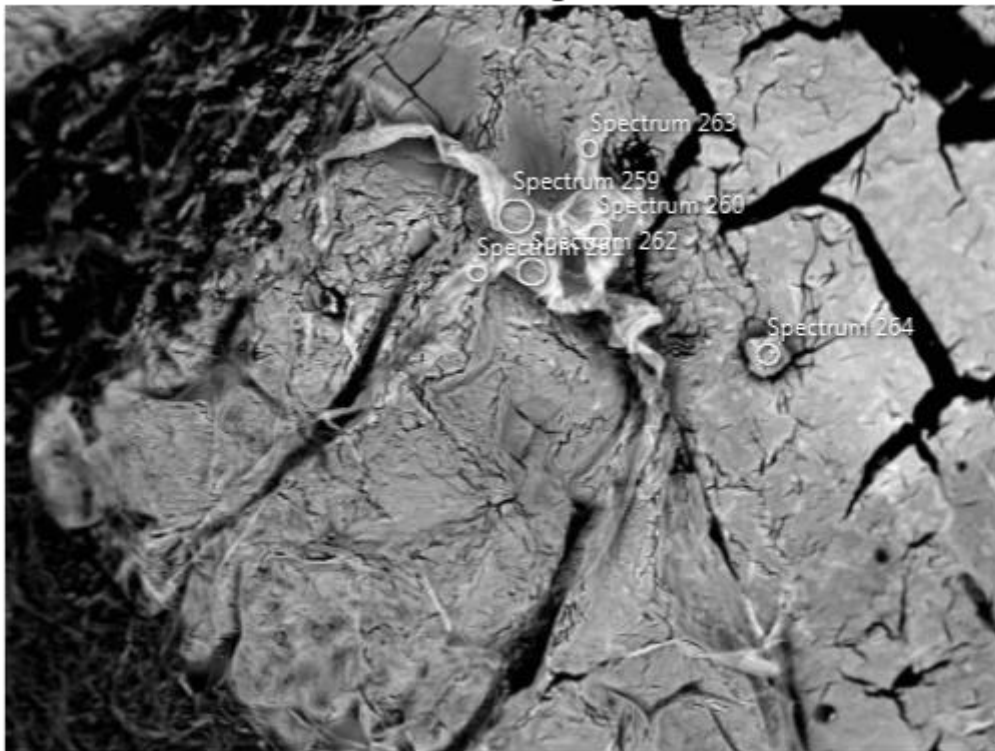
[Click here to enter text.](#)

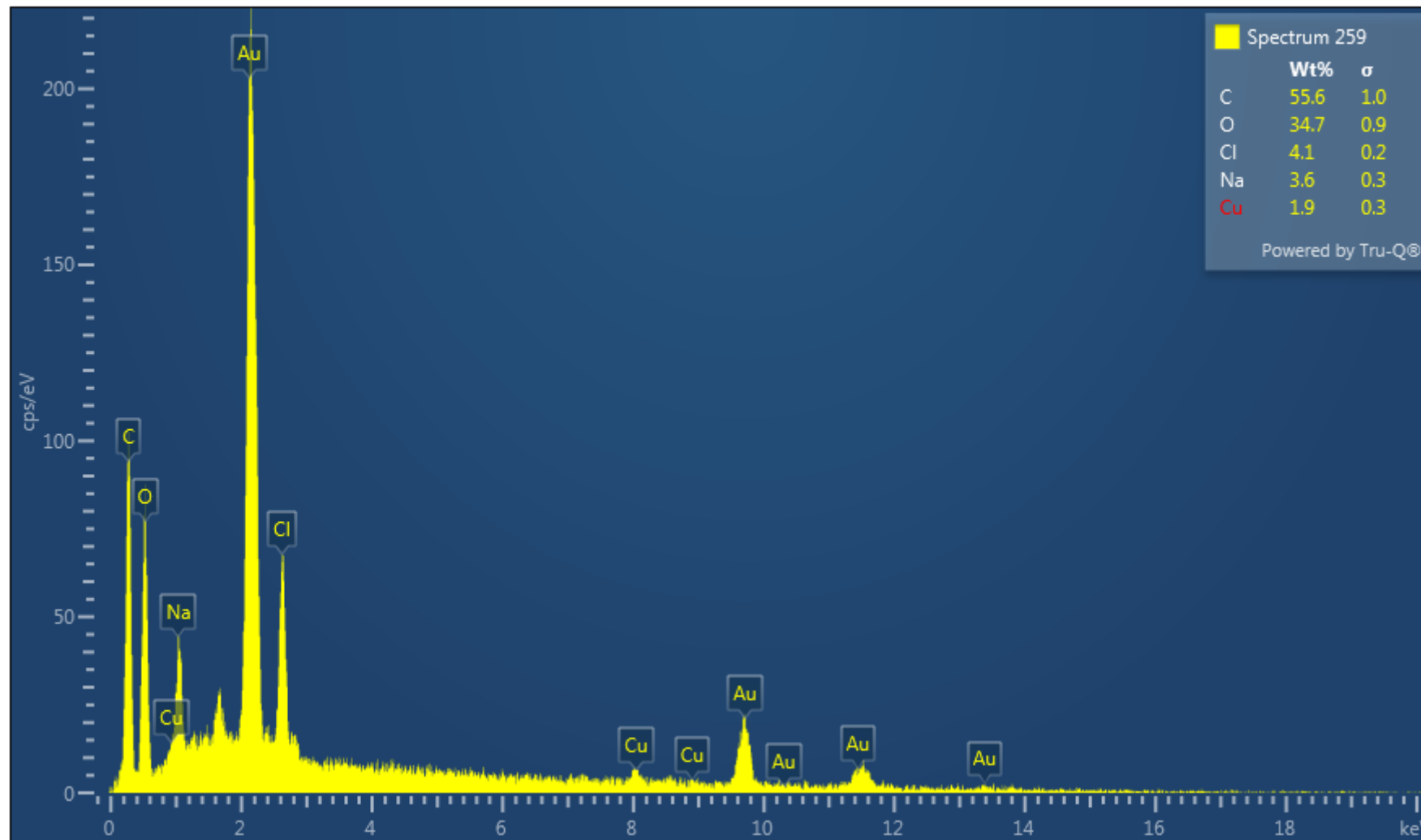
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 83



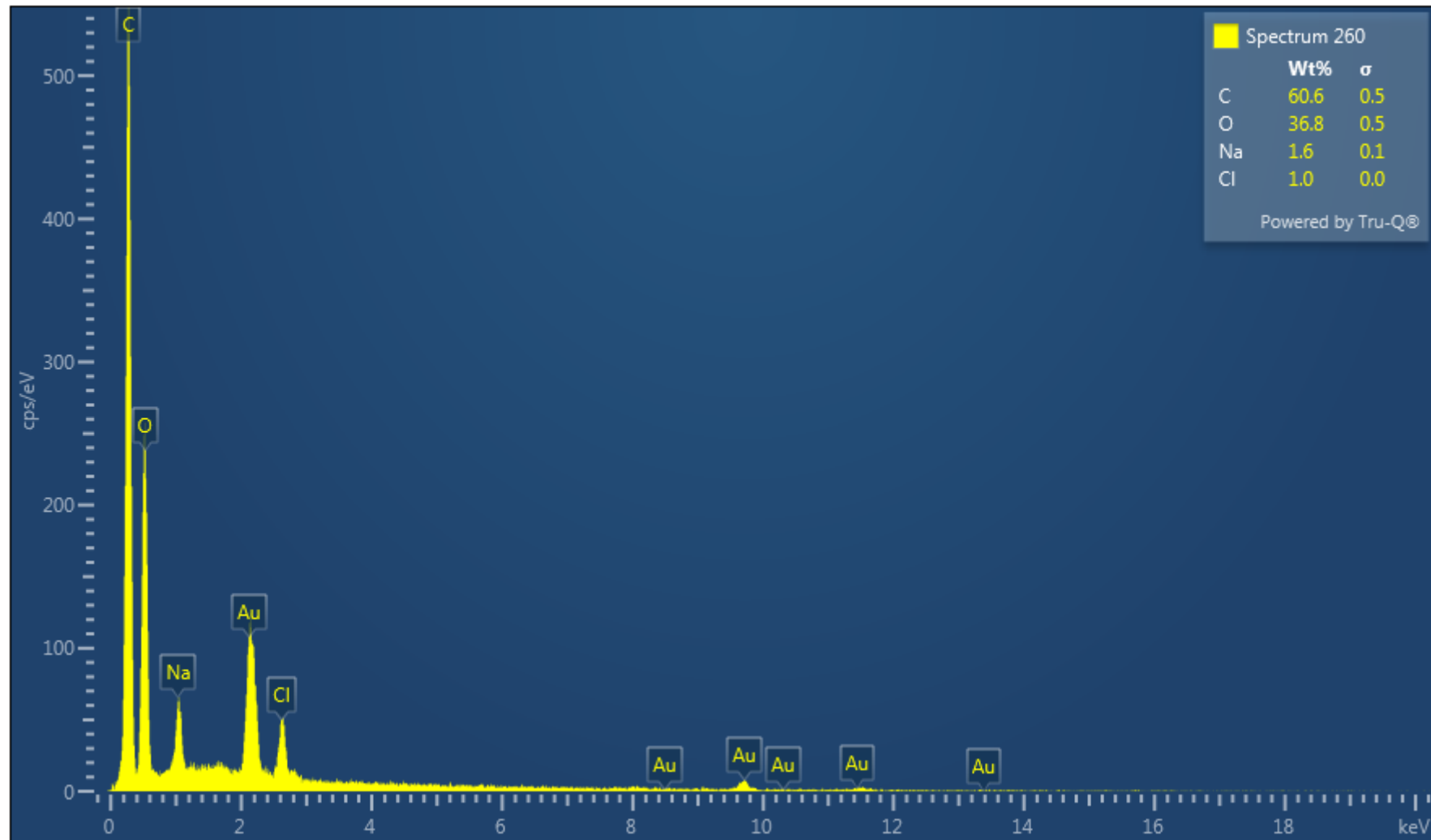


VACUNAS

10/13/2022

Spectrum 259

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	7.37	0.07368	55.60	0.97	C Vit	Yes	
O	K series	8.46	0.02846	34.72	0.91	SiO2	Yes	
Na	K series	1.88	0.00795	3.63	0.26	Albite	Yes	
Cl	K series	2.54	0.02223	4.13	0.16	NaCl	Yes	
Cu	K series	1.00	0.01002	1.91	0.31	Cu	Yes	
Total:				100.00				

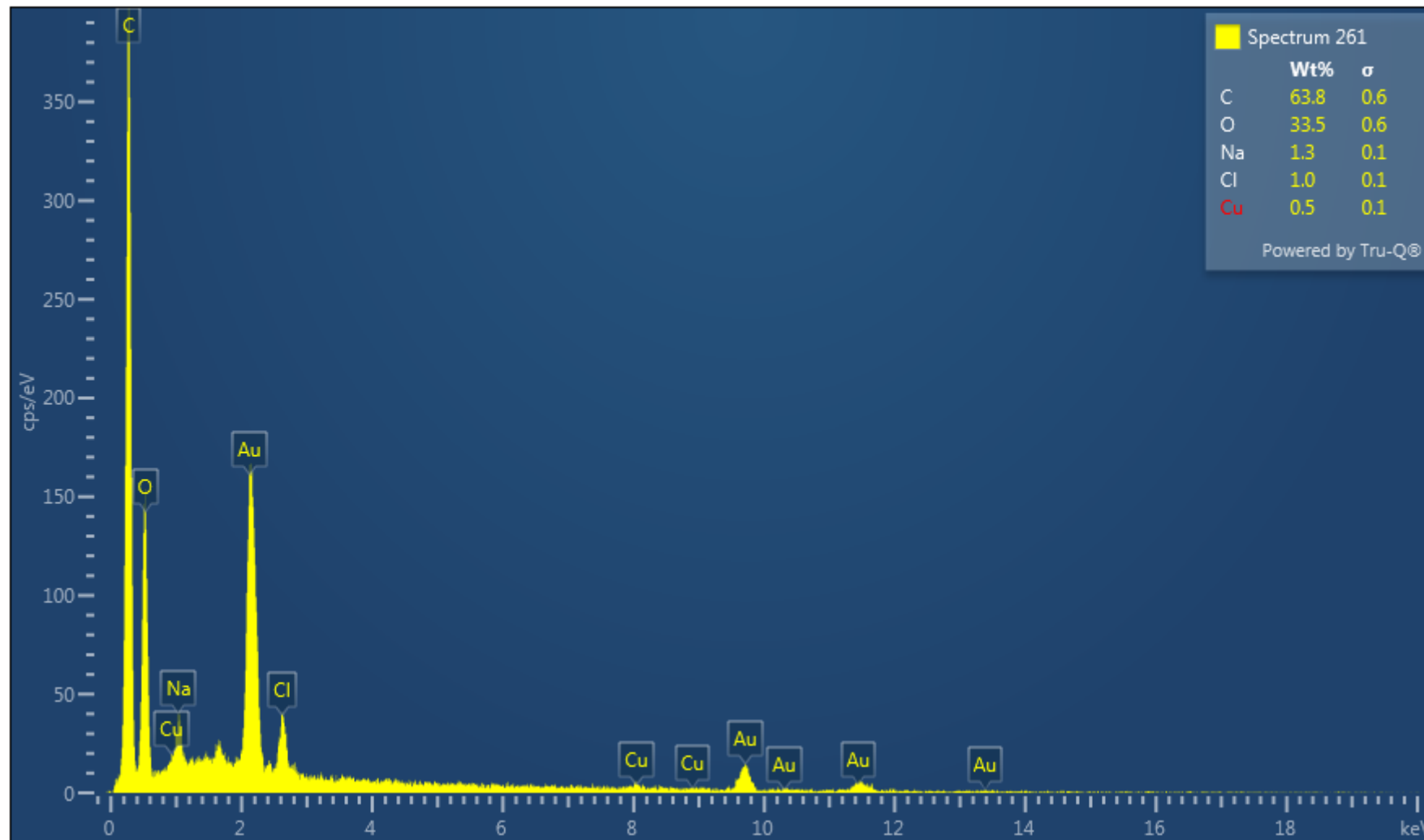


VACUNAS

10/13/2022

Spectrum 260

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	40.69	0.40686	60.64	0.47	C Vit	Yes	
O	K series	27.56	0.09275	36.76	0.47	SiO2	Yes	
Na	K series	2.71	0.01145	1.64	0.08	Albite	Yes	
Cl	K series	1.86	0.01628	0.96	0.04	NaCl	Yes	
Total:				100.00				

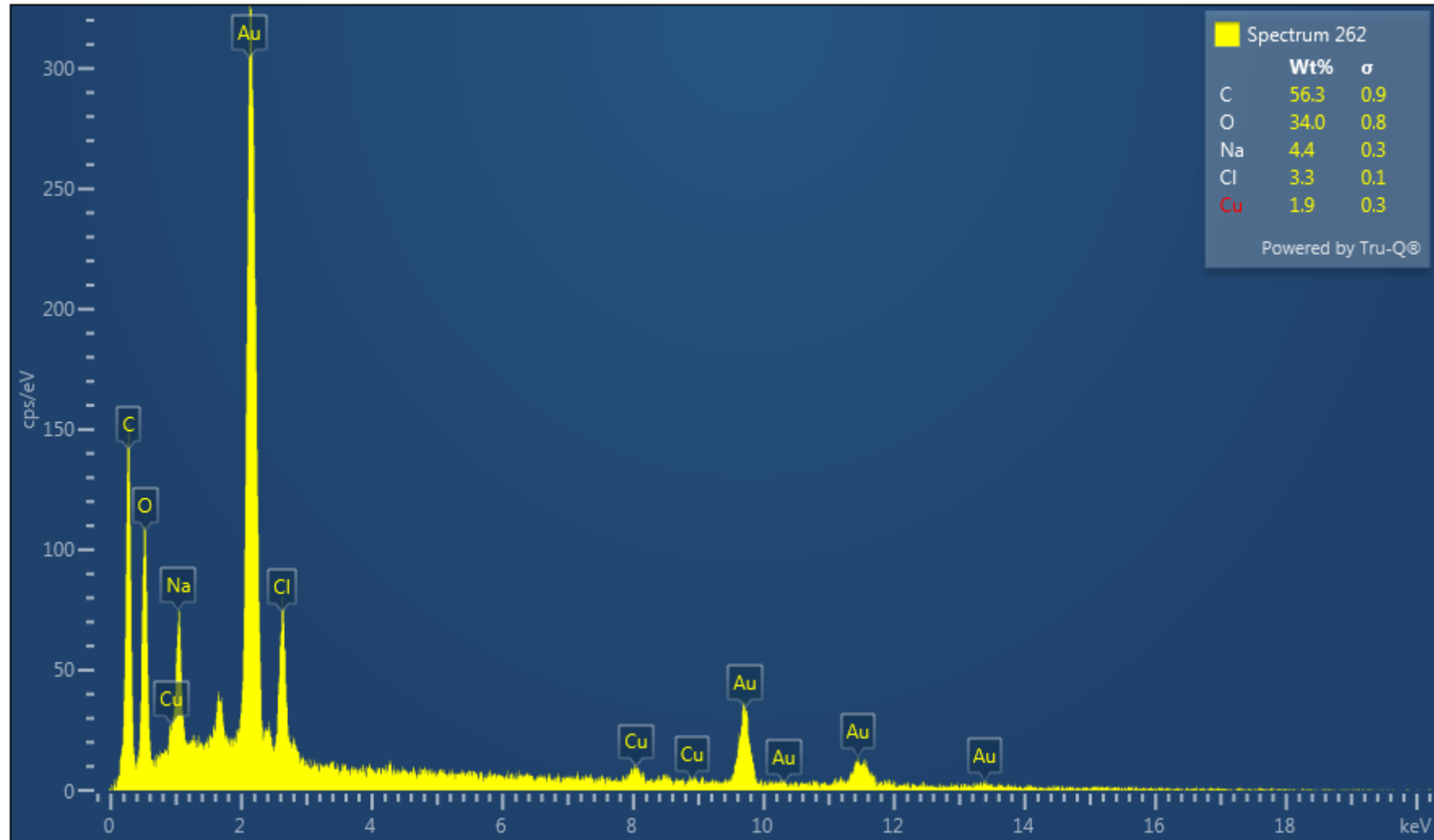


VACUNAS

10/13/2022

Spectrum 261

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	29.46	0.29456	63.78	0.57	C Vit	Yes	
O	K series	16.04	0.05396	33.49	0.56	SiO2	Yes	
Na	K series	1.43	0.00604	1.27	0.12	Albite	Yes	
Cl	K series	1.30	0.01134	0.99	0.06	NaCl	Yes	
Cu	K series	0.52	0.00524	0.48	0.13	Cu	Yes	
Total:				100.00				

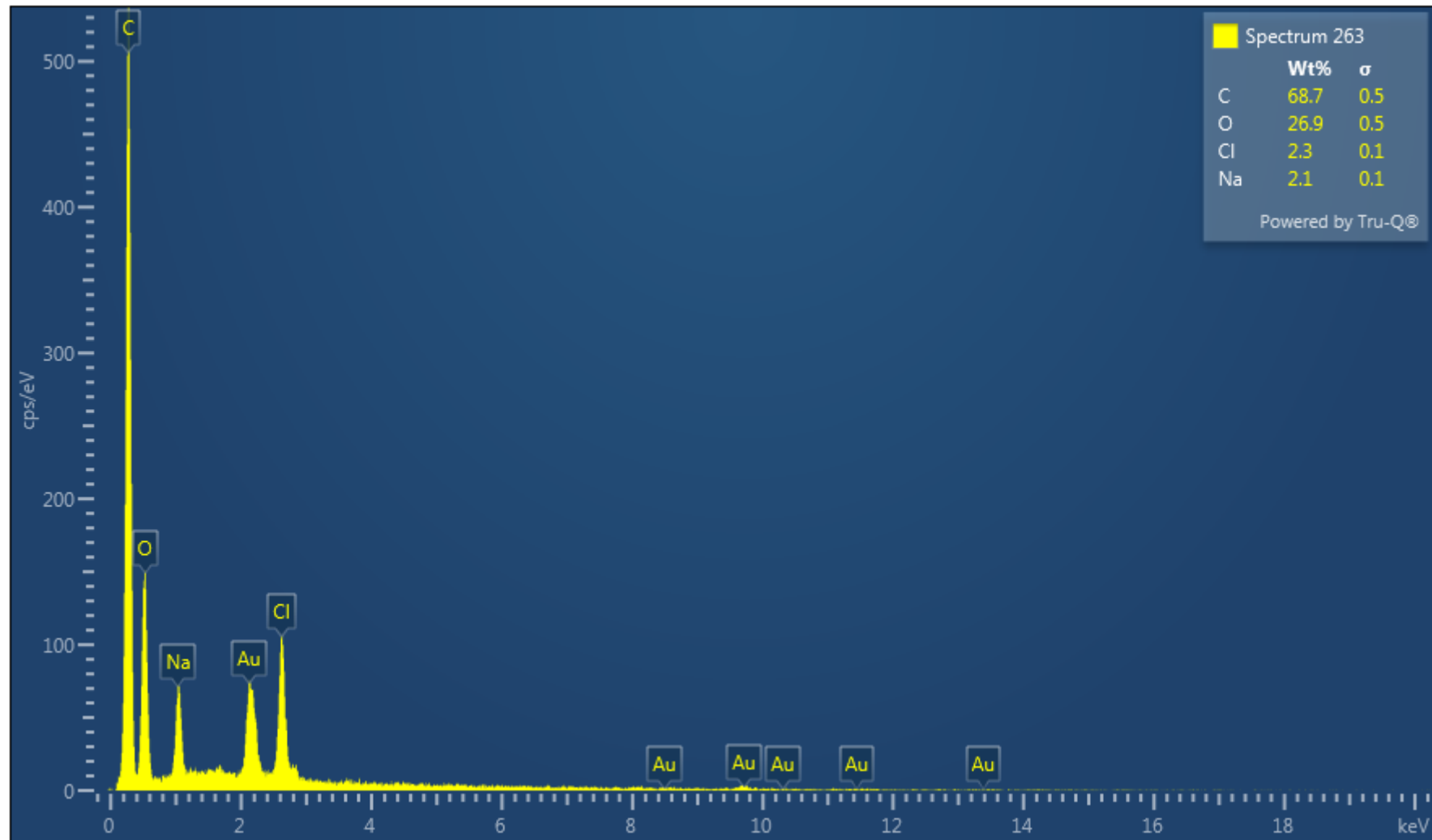


VACUNAS

10/13/2022

Spectrum 262

Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	11.01	0.11010	56.35	0.88	C Vit	Yes	
O	K series	11.41	0.03841	34.00	0.84	SiO2	Yes	
Na	K series	3.18	0.01344	4.42	0.25	Albite	Yes	
Cl	K series	2.81	0.02459	3.32	0.13	NaCl	Yes	
Cu	K series	1.39	0.01388	1.92	0.29	Cu	Yes	
Total:				100.00				

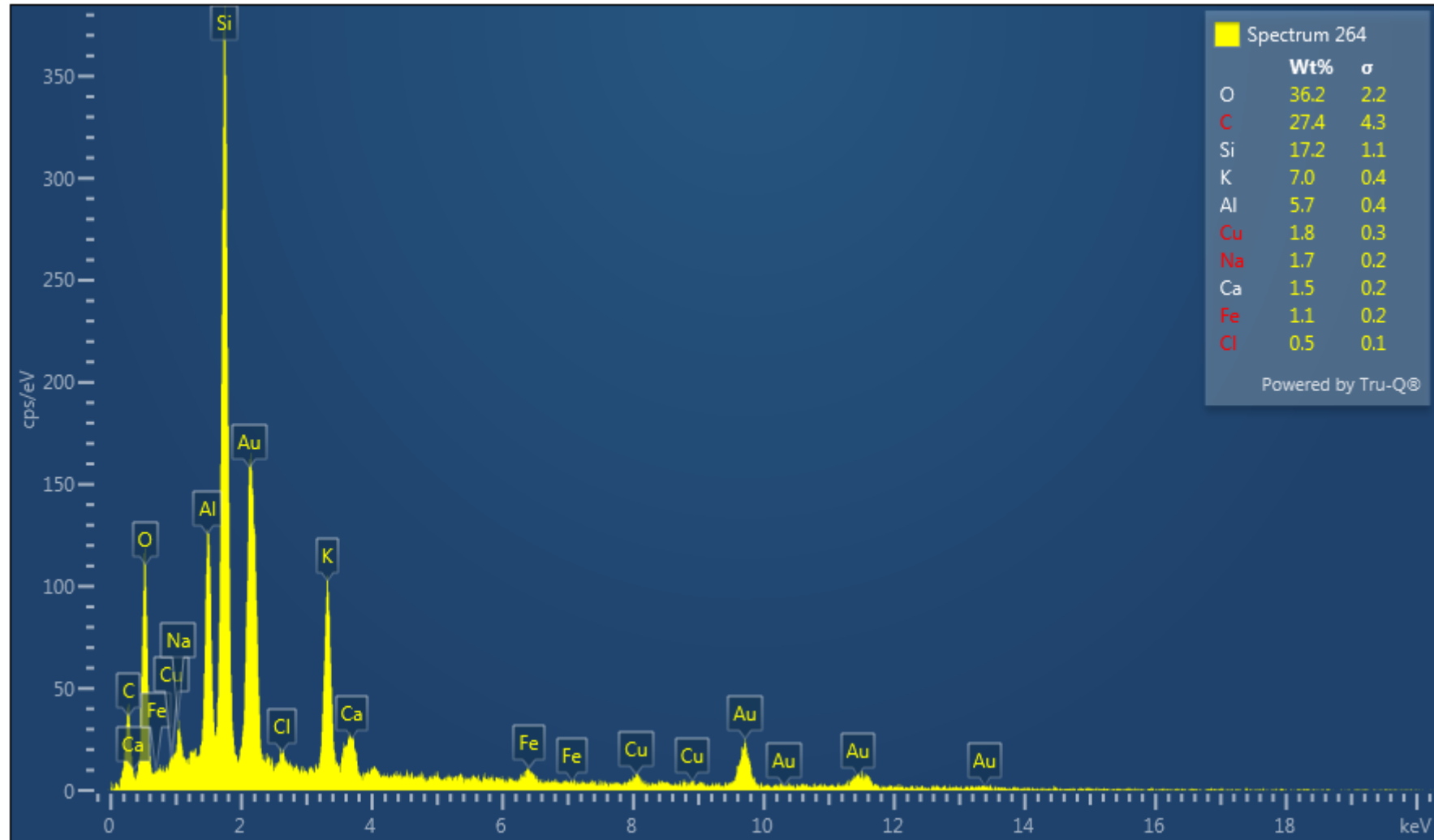


VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	39.23	0.39232	68.71	0.46	C Vit	Yes	
O	K series	16.32	0.05493	26.86	0.47	SiO2	Yes	
Na	K series	3.59	0.01515	2.14	0.08	Albite	Yes	
Cl	K series	4.27	0.03734	2.29	0.06	NaCl	Yes	
Total:				100.00				



VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	2.37	0.02368	27.37	4.30	C Vit	Yes	
O	K series	12.38	0.04164	36.16	2.23	SiO2	Yes	
Na	K series	1.13	0.00479	1.70	0.23	Albite	Yes	
Al	K series	4.06	0.02920	5.66	0.37	Al2O3	Yes	
Si	K series	12.60	0.09988	17.21	1.05	SiO2	Yes	
Cl	K series	0.36	0.00316	0.52	0.10	NaCl	Yes	
K	K series	5.61	0.04754	6.95	0.45	KBr	Yes	
Ca	K series	1.19	0.01064	1.53	0.15	Wollastonite	Yes	
Fe	K series	0.80	0.00804	1.14	0.19	Fe	Yes	
Cu	K series	1.20	0.01198	1.77	0.29	Cu	Yes	

VACUNAS

10/13/2022

Total:

100.00



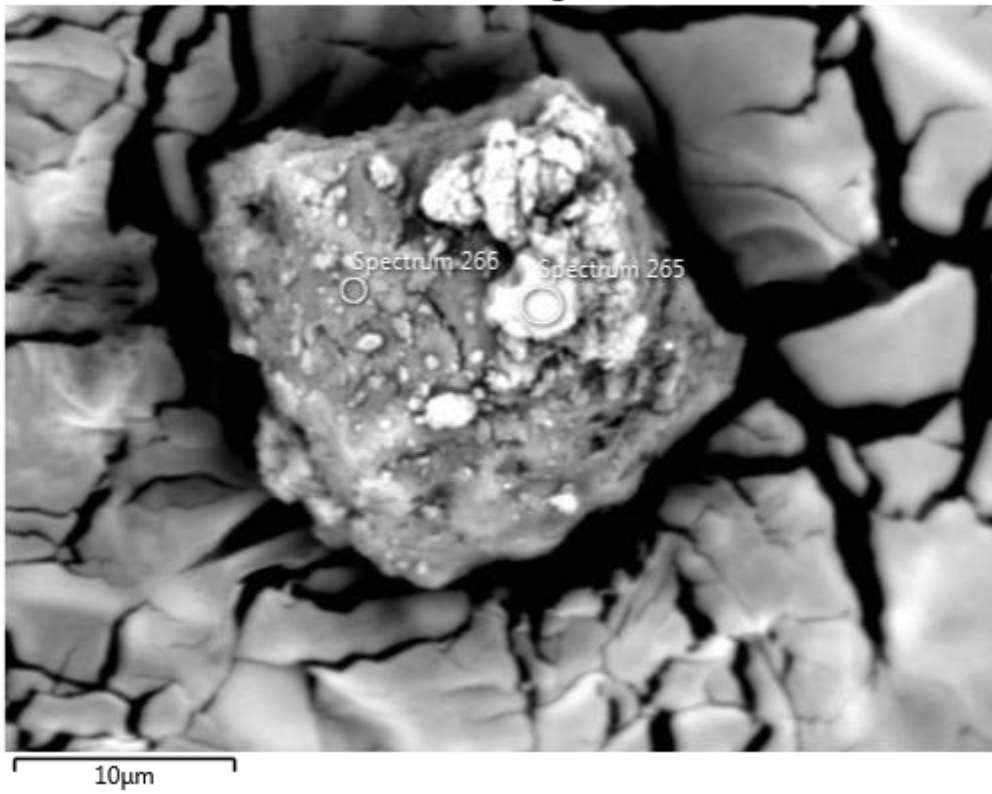
[Click here to enter text.](#)

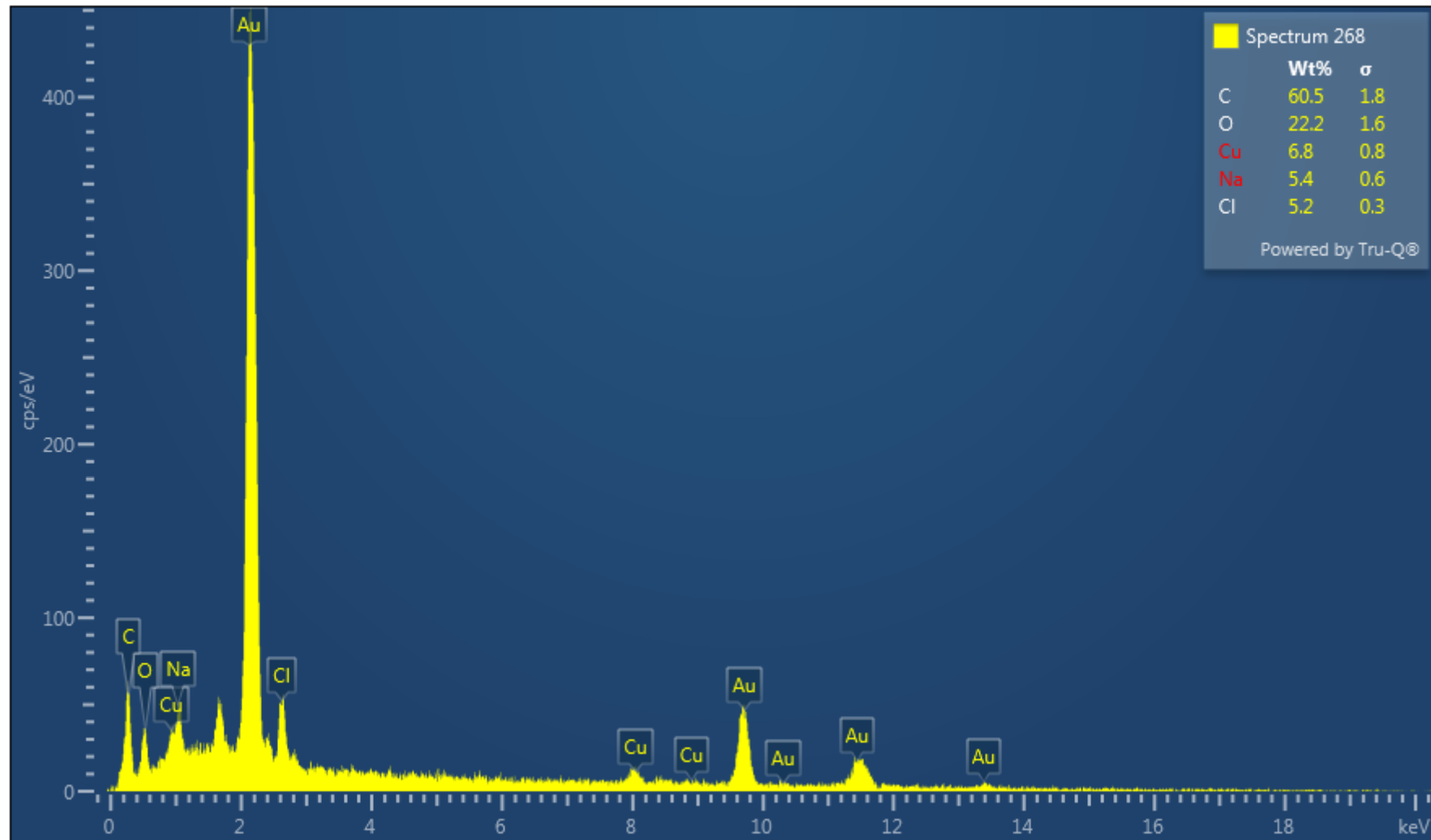
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 84



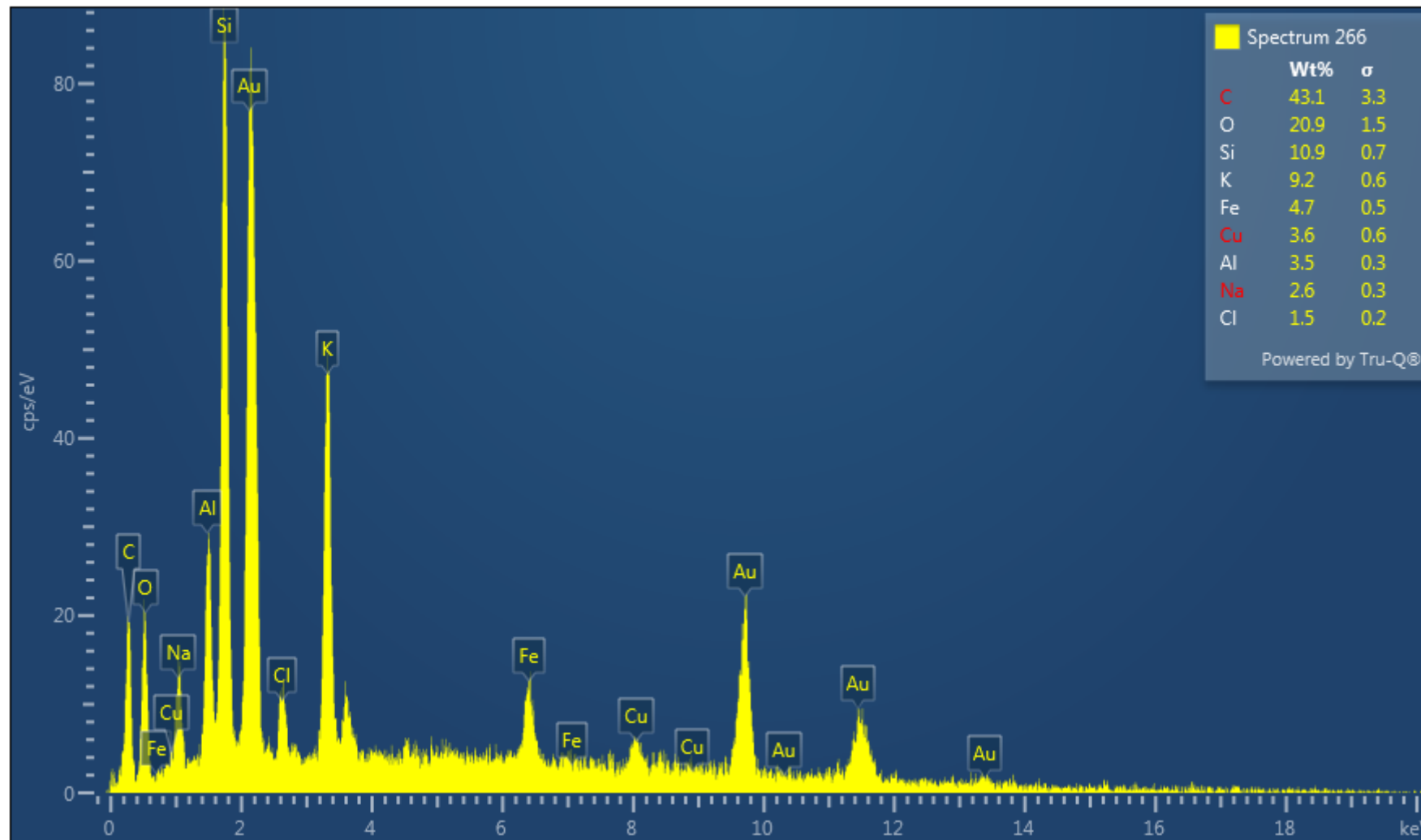


VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	3.99	0.03991	60.48	1.83	C Vit	Yes	
O	K series	2.87	0.00967	22.21	1.60	SiO2	Yes	
Na	K series	1.64	0.00691	5.36	0.60	Albite	Yes	
Cl	K series	1.87	0.01634	5.16	0.33	NaCl	Yes	
Cu	K series	2.12	0.02124	6.78	0.80	Cu	Yes	
Total:				100.00				



VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	1.69	0.01688	43.12	3.26	C Vit	Yes	
O	K series	2.13	0.00715	20.92	1.51	SiO2	Yes	
Na	K series	0.62	0.00262	2.60	0.31	Albite	Yes	
Al	K series	0.88	0.00634	3.48	0.27	Al2O3	Yes	
Si	K series	2.95	0.02334	10.92	0.68	SiO2	Yes	
Cl	K series	0.41	0.00356	1.52	0.16	NaCl	Yes	
K	K series	2.76	0.02340	9.17	0.58	KBr	Yes	
Fe	K series	1.21	0.01210	4.66	0.48	Fe	Yes	
Cu	K series	0.89	0.00891	3.61	0.59	Cu	Yes	
Total:				100.00				



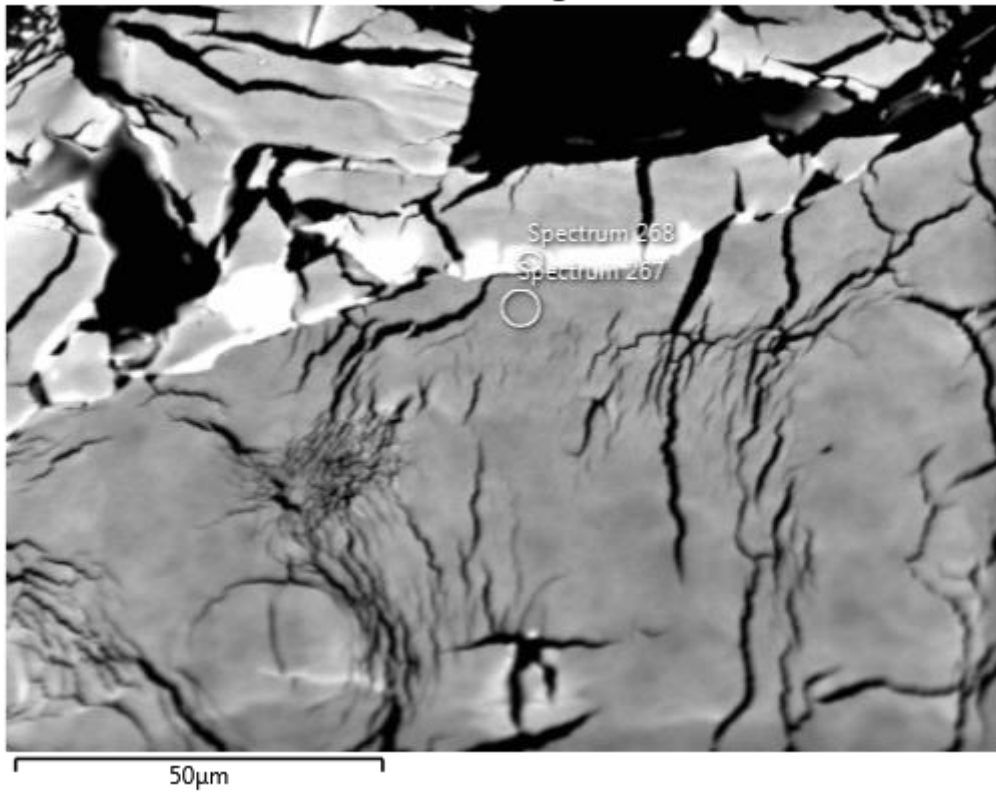
[Click here to enter text.](#)

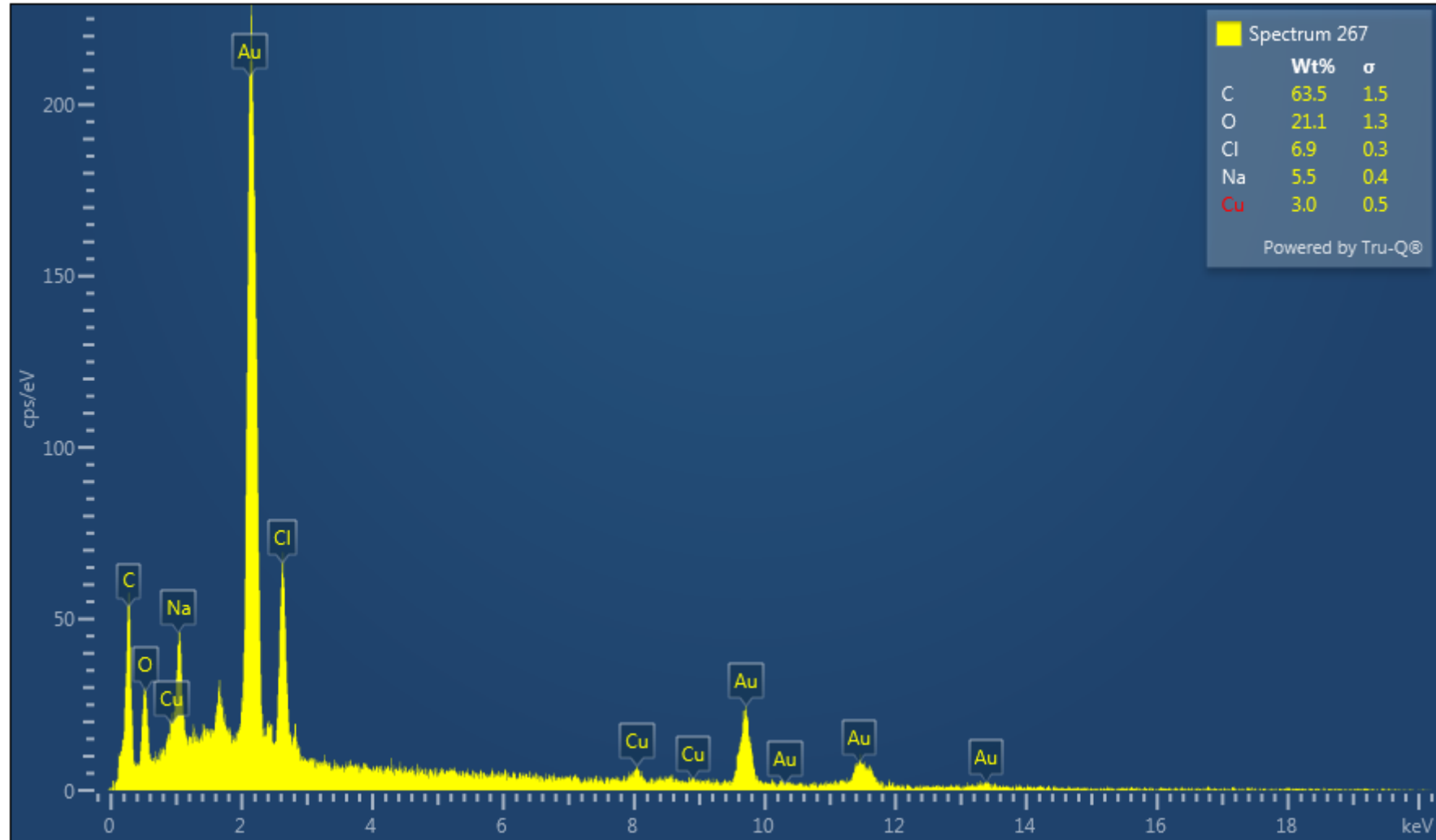
[Click here to enter text.](#)

Project Notes

Specimen Notes

Electron Image 85



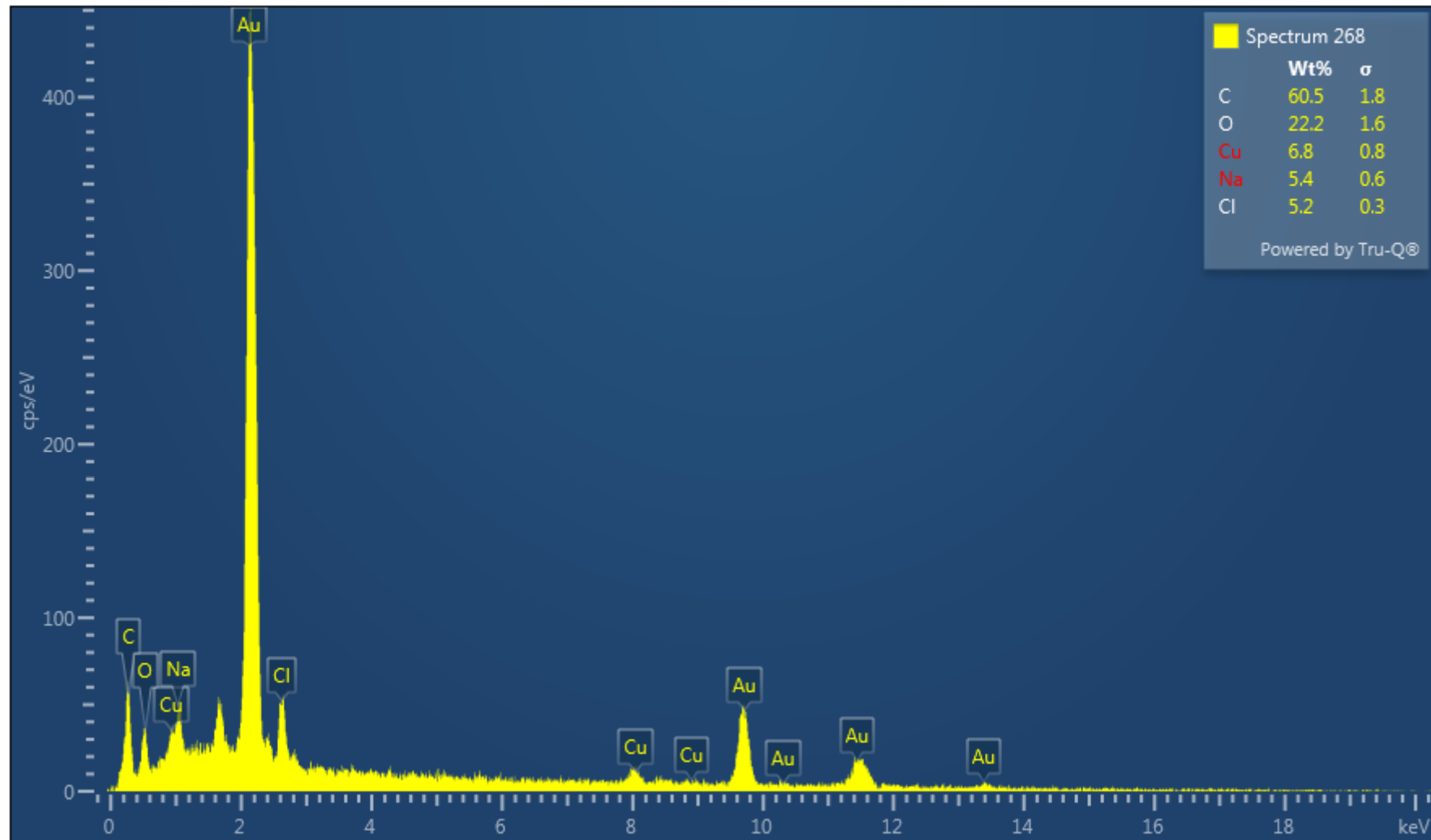


VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	3.90	0.03904	63.46	1.46	C Vit	Yes	
O	K series	2.53	0.00851	21.06	1.31	SiO2	Yes	
Na	K series	1.83	0.00770	5.52	0.43	Albite	Yes	
Cl	K series	2.53	0.02208	6.92	0.32	NaCl	Yes	
Cu	K series	0.94	0.00938	3.03	0.48	Cu	Yes	
Total:				100.00				



VACUNAS

10/13/2022



Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	3.99	0.03991	60.48	1.83	C Vit	Yes	
O	K series	2.87	0.00967	22.21	1.60	SiO2	Yes	
Na	K series	1.64	0.00691	5.36	0.60	Albite	Yes	
Cl	K series	1.87	0.01634	5.16	0.33	NaCl	Yes	
Cu	K series	2.12	0.02124	6.78	0.80	Cu	Yes	
Total:				100.00				

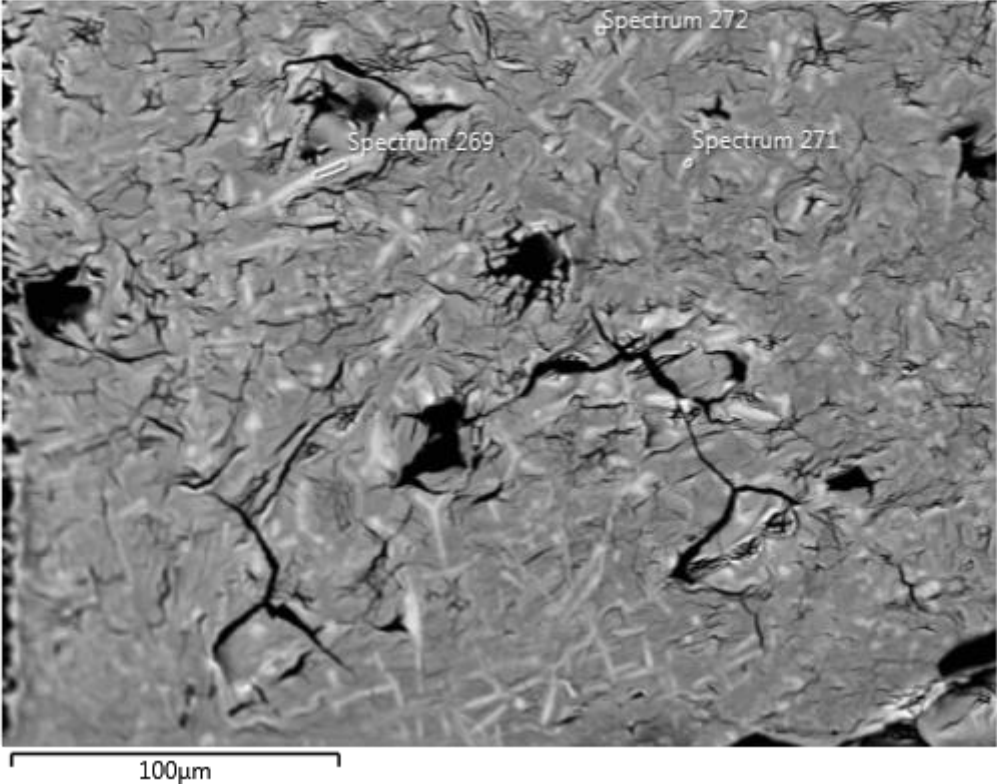
[Click here to enter text.](#)

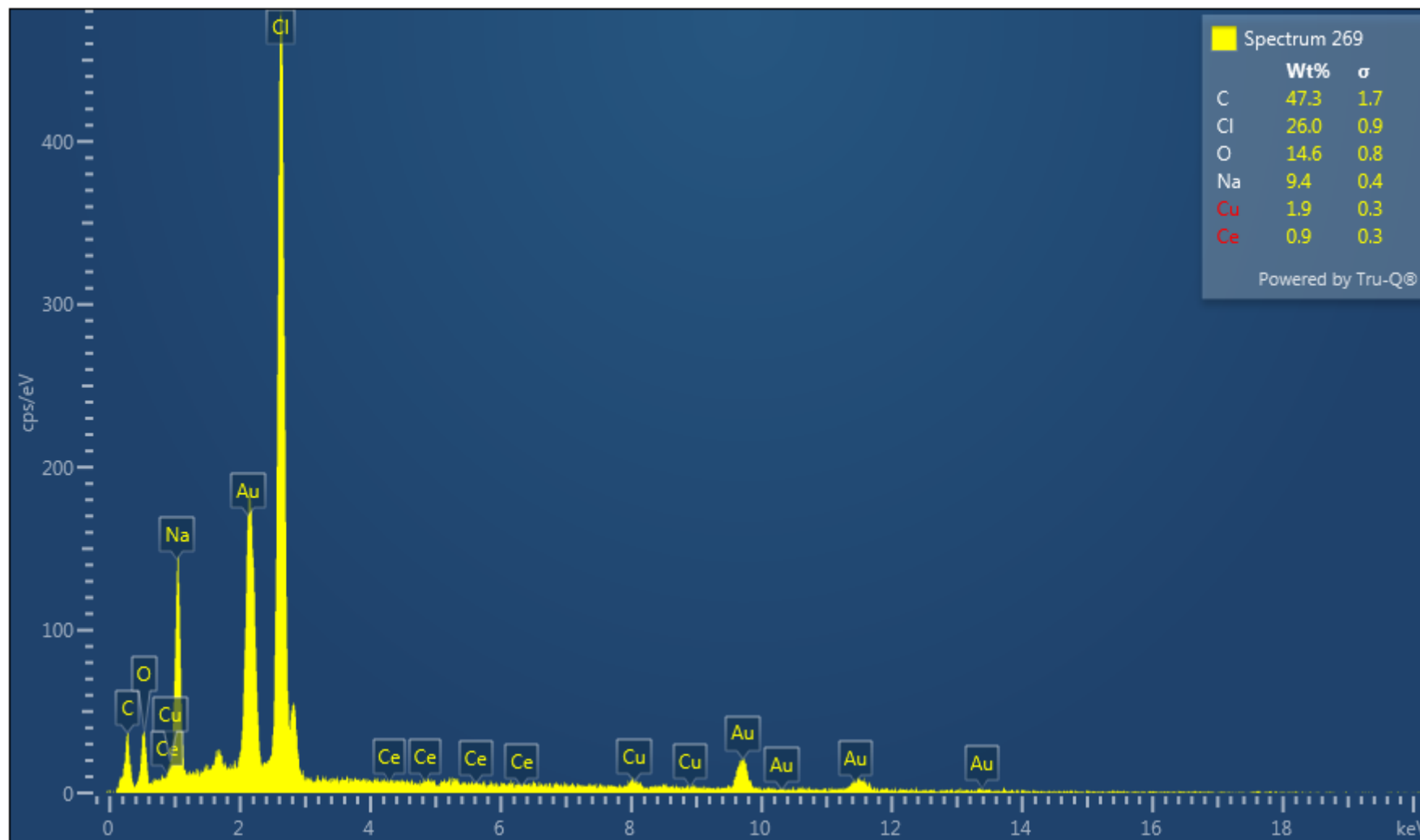
[Click here to enter text.](#)

[Project Notes](#)

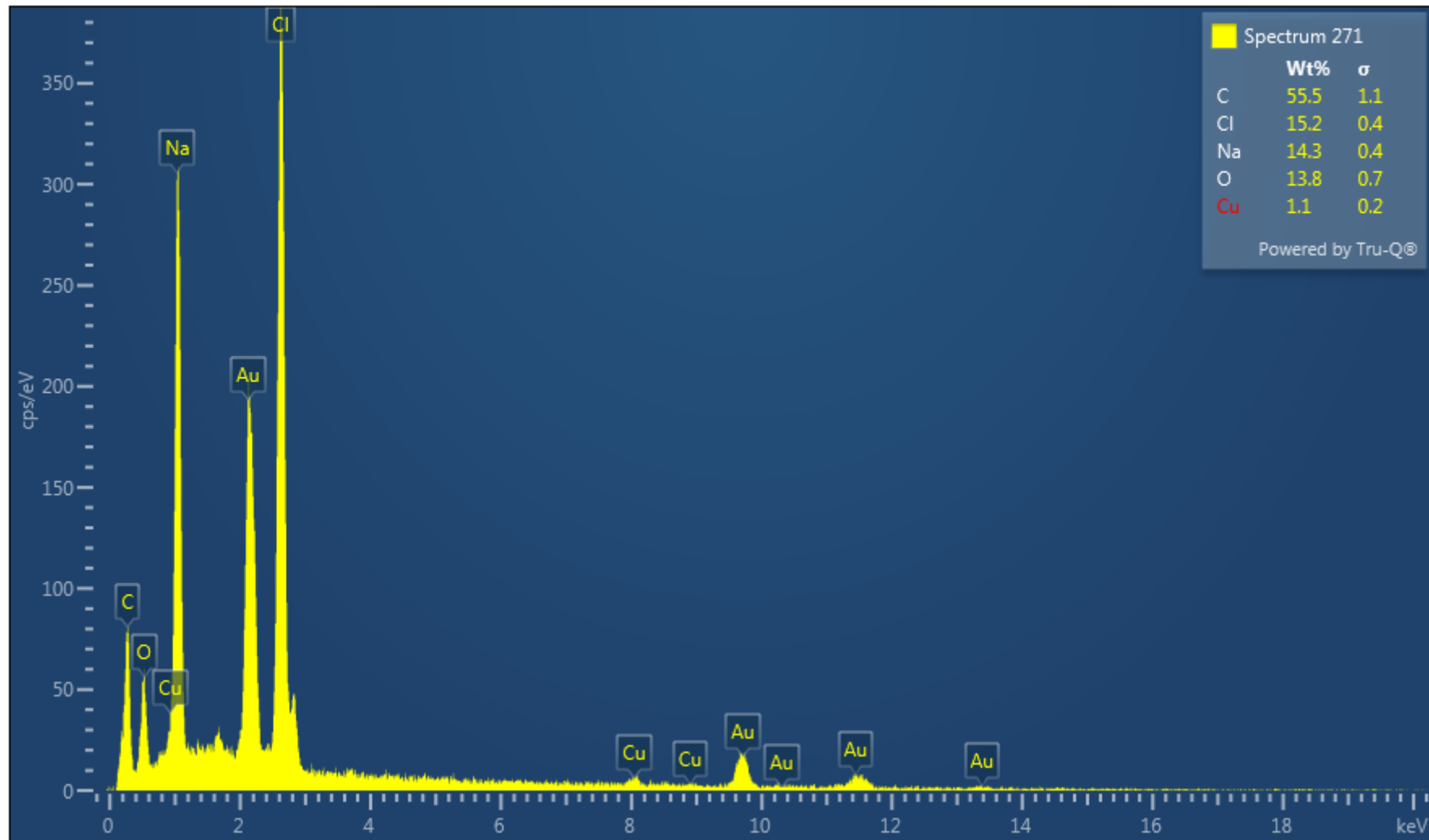
[Specimen Notes](#)

Electron Image 86

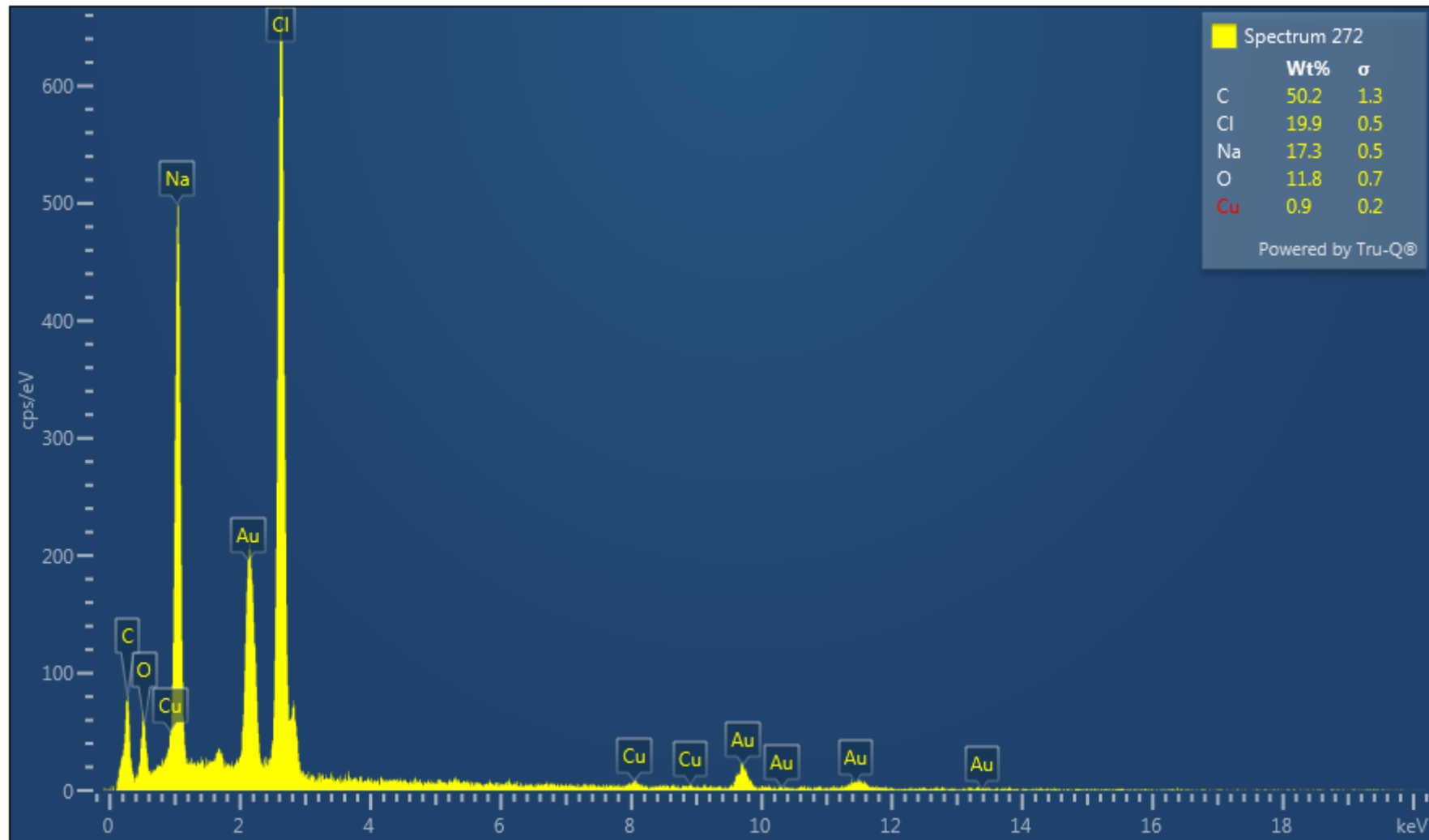




Spectrum 269								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	2.43	0.02432	47.28	1.68	C Vit	Yes	
O	K series	3.74	0.01258	14.57	0.81	SiO2	Yes	
Na	K series	7.56	0.03192	9.42	0.38	Albite	Yes	
Cl	K series	21.64	0.18912	26.00	0.86	NaCl	Yes	
Cu	K series	1.31	0.01313	1.85	0.27	Cu	Yes	
Ce	L series	0.61	0.00566	0.88	0.25	CeO2	Yes	
Total:				100.00				



Spectrum 271								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	5.75	0.05753	55.53	1.10	C Vit	Yes	
O	K series	4.98	0.01677	13.84	0.71	SiO2	Yes	
Na	K series	16.83	0.07103	14.32	0.41	Albite	Yes	
Cl	K series	17.10	0.14943	15.23	0.40	NaCl	Yes	
Cu	K series	1.04	0.01044	1.08	0.18	Cu	Yes	
Total:				100.00				



Spectrum 272								
Element	Line Type	Apparent Concentration	k Ratio	Wt%	Wt% Sigma	Standard Label	Factory Standard	Standard Calibration Date
C	K series	5.49	0.05495	50.15	1.31	C Vit	Yes	
O	K series	5.65	0.01902	11.81	0.65	SiO2	Yes	
Na	K series	27.83	0.11743	17.25	0.50	Albite	Yes	
Cl	K series	29.53	0.25803	19.86	0.55	NaCl	Yes	
Cu	K series	1.19	0.01187	0.92	0.17	Cu	Yes	
Total:				100.00				