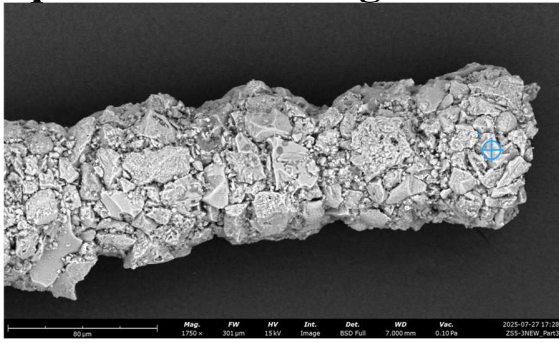


Supplementary material to

**Matting & Reich 2025 “ A new species of agglutinated
foraminifera from Early Eocene sediments of
the southern Baltic Sea” – PalZ**

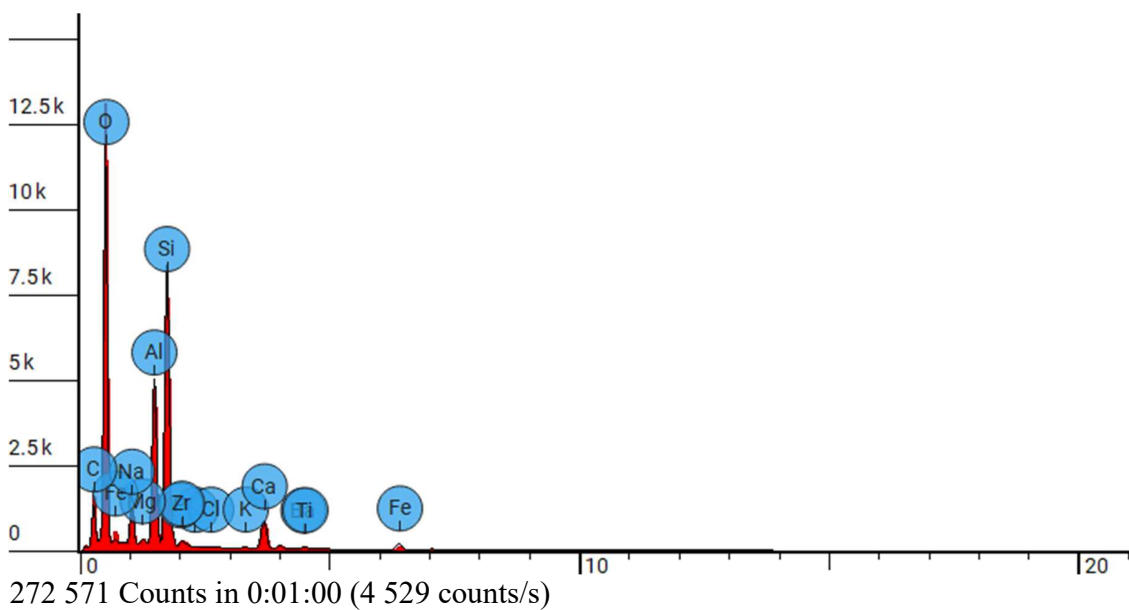
User name: Phenom-Workstation\Phenom
Phenom User Interface version: 2.0.1-rel
Contains 23 image(s) with a total of 23 analyses

Spot 1 – Volcanic glass



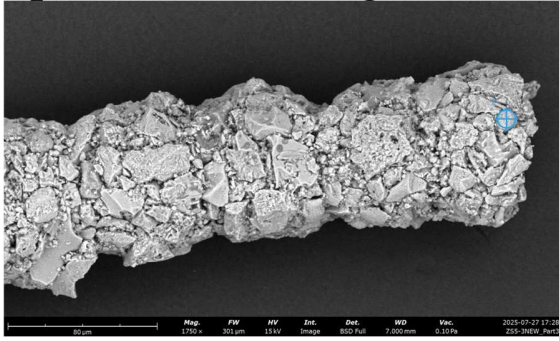
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:28 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	16.30	10.31
	8	O	Oxygen	58.08	48.95
	11	Na	Sodium	2.40	2.90
	12	Mg	Magnesium	0.16	0.20
	13	Al	Aluminum	7.12	10.11
	14	Si	Silicon	12.25	18.12
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.10	0.20
	20	Ca	Calcium	2.23	4.70
	22	Ti	Titanium	0.16	0.40
	26	Fe	Iron	0.95	2.80
	40	Zr	Zirconium	0.27	1.30
	56	Ba	Barium	0.00	0.00



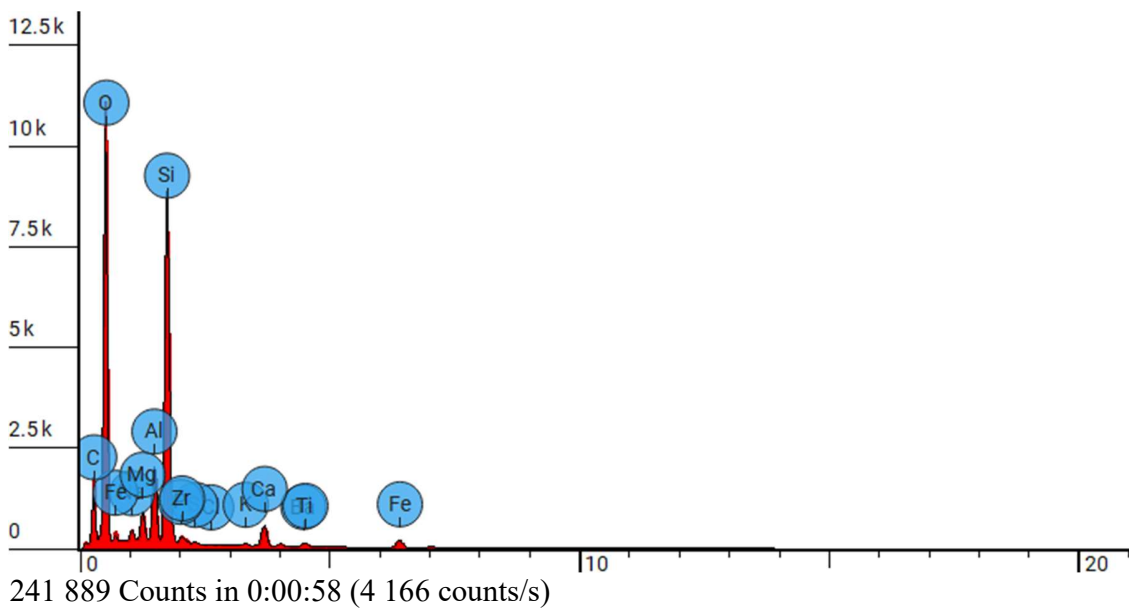
Disabled elements: Pt

Spot 2 – Volcanic glass



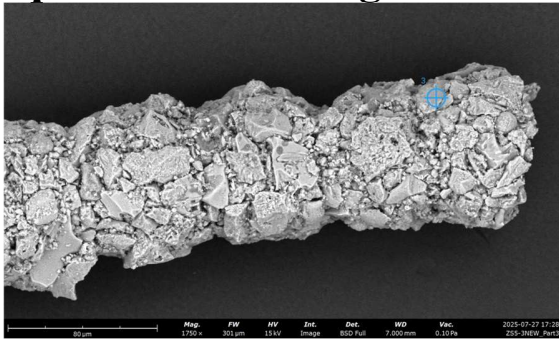
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:28 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	19.01	12.21
	8	O	Oxygen	58.12	49.75
	11	Na	Sodium	0.73	0.90
	12	Mg	Magnesium	1.15	1.50
	13	Al	Aluminum	3.12	4.50
	14	Si	Silicon	13.99	21.02
	15	P	Phosphorus	0.12	0.20
	16	S	Sulfur	0.18	0.30
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.19	0.40
	20	Ca	Calcium	1.54	3.30
	22	Ti	Titanium	0.31	0.80
	26	Fe	Iron	1.27	3.80
	40	Zr	Zirconium	0.27	1.30
	56	Ba	Barium	0.00	0.00



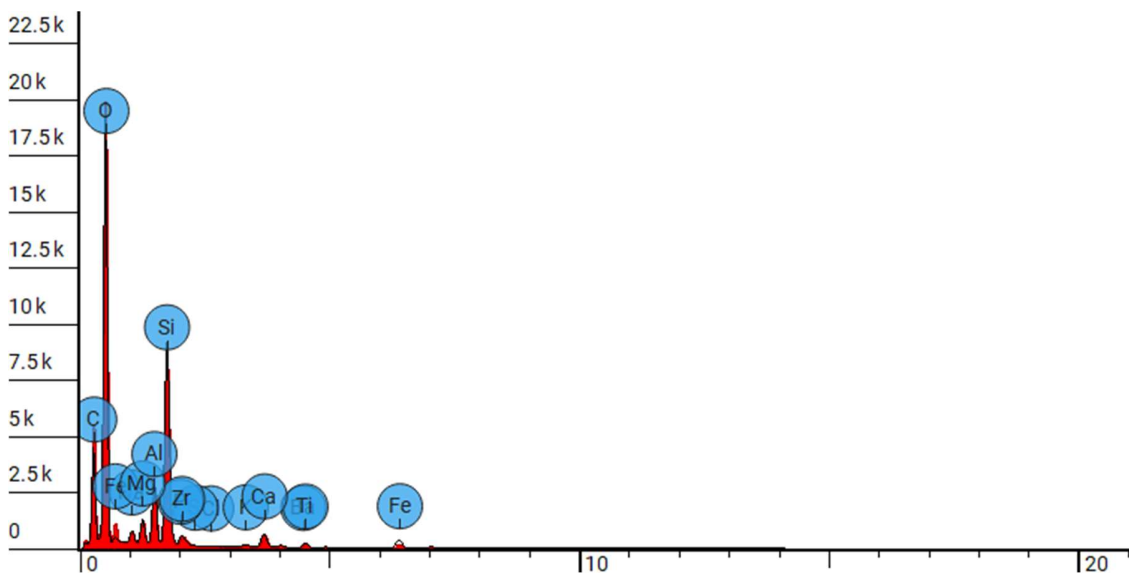
Disabled elements: Pt

Spot 3 – Volcanic glass



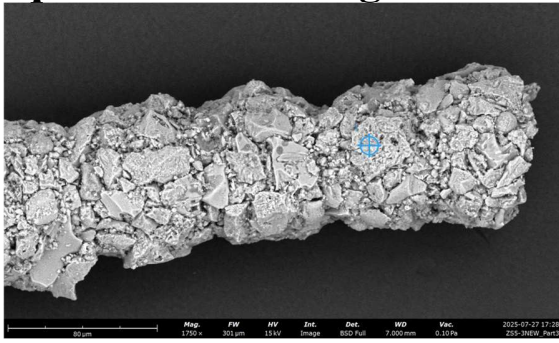
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:28 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	26.78	18.44
	8	O	Oxygen	58.12	53.31
	11	Na	Sodium	0.84	1.10
	12	Mg	Magnesium	0.93	1.30
	13	Al	Aluminum	2.40	3.71
	14	Si	Silicon	7.84	12.63
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.18	0.40
	20	Ca	Calcium	0.96	2.20
	22	Ti	Titanium	0.29	0.80
	26	Fe	Iron	1.25	4.01
	40	Zr	Zirconium	0.40	2.10
	56	Ba	Barium	0.00	0.00



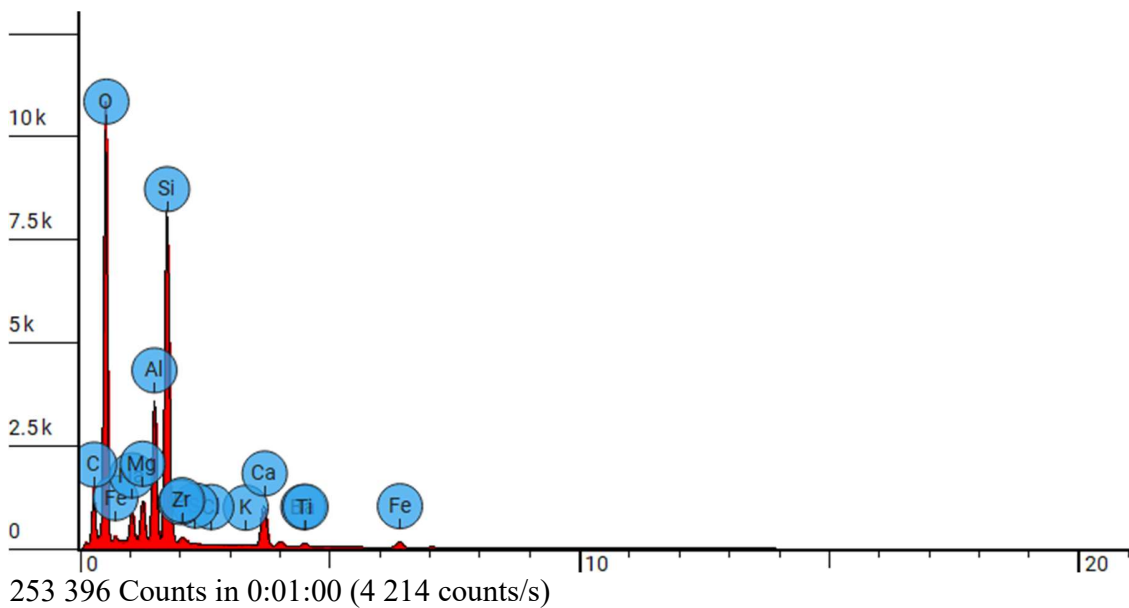
Disabled elements: Pt

Spot 4 – Volcanic glass



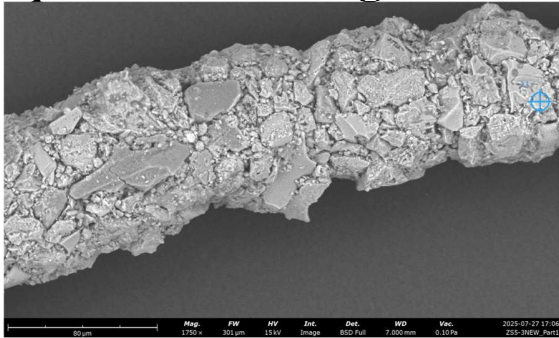
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:28 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	16.83	10.60
	8	O	Oxygen	57.10	47.90
	11	Na	Sodium	1.74	2.10
	12	Mg	Magnesium	1.49	1.90
	13	Al	Aluminum	5.52	7.80
	14	Si	Silicon	12.97	19.10
	15	P	Phosphorus	0.06	0.10
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.10	0.20
	20	Ca	Calcium	2.81	5.90
	22	Ti	Titanium	0.24	0.60
	26	Fe	Iron	0.92	2.70
	40	Zr	Zirconium	0.23	1.10
	56	Ba	Barium	0.00	0.00



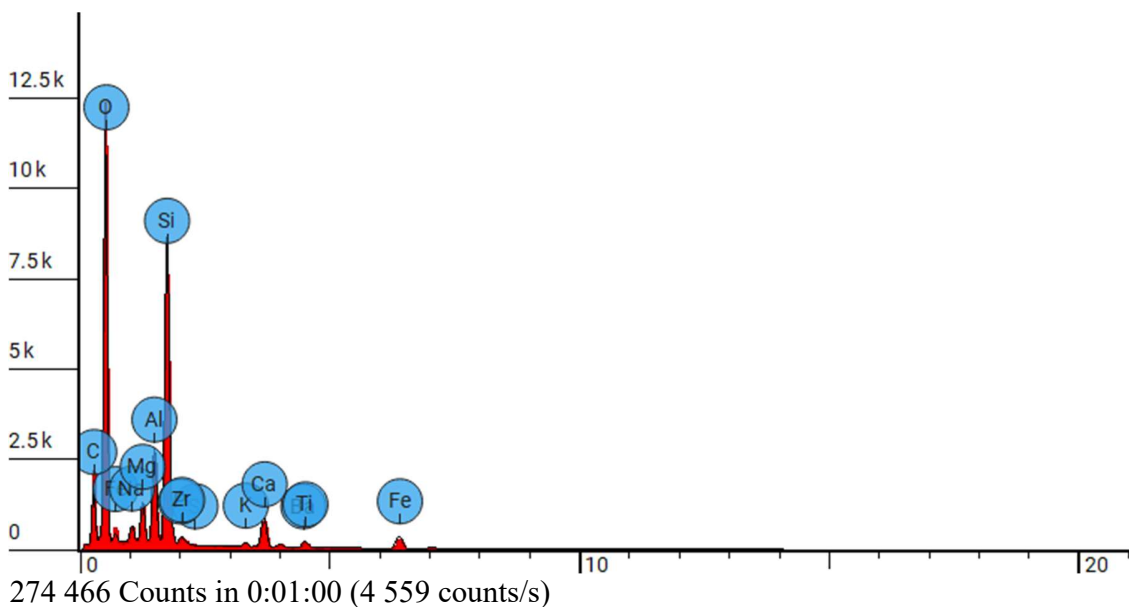
Disabled elements: Pt

Spot 5 – Volcanic glass



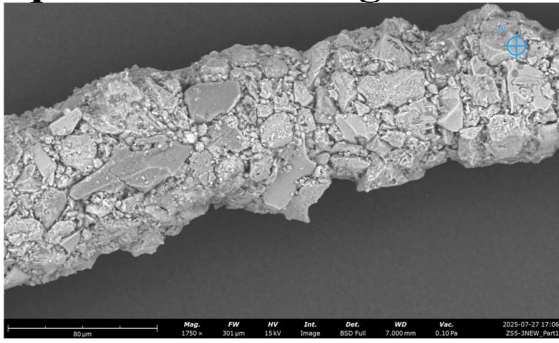
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	19.57	12.39
	8	O	Oxygen	56.87	47.95
	11	Na	Sodium	1.07	1.30
	12	Mg	Magnesium	1.56	2.00
	13	Al	Aluminum	3.80	5.39
	14	Si	Silicon	11.95	17.68
	15	P	Phosphorus	0.18	0.30
	16	S	Sulfur	0.00	0.00
	19	K	Potassium	0.29	0.60
	20	Ca	Calcium	2.03	4.30
	22	Ti	Titanium	0.47	1.20
	26	Fe	Iron	1.97	5.79
	40	Zr	Zirconium	0.23	1.10
	56	Ba	Barium	0.00	0.00



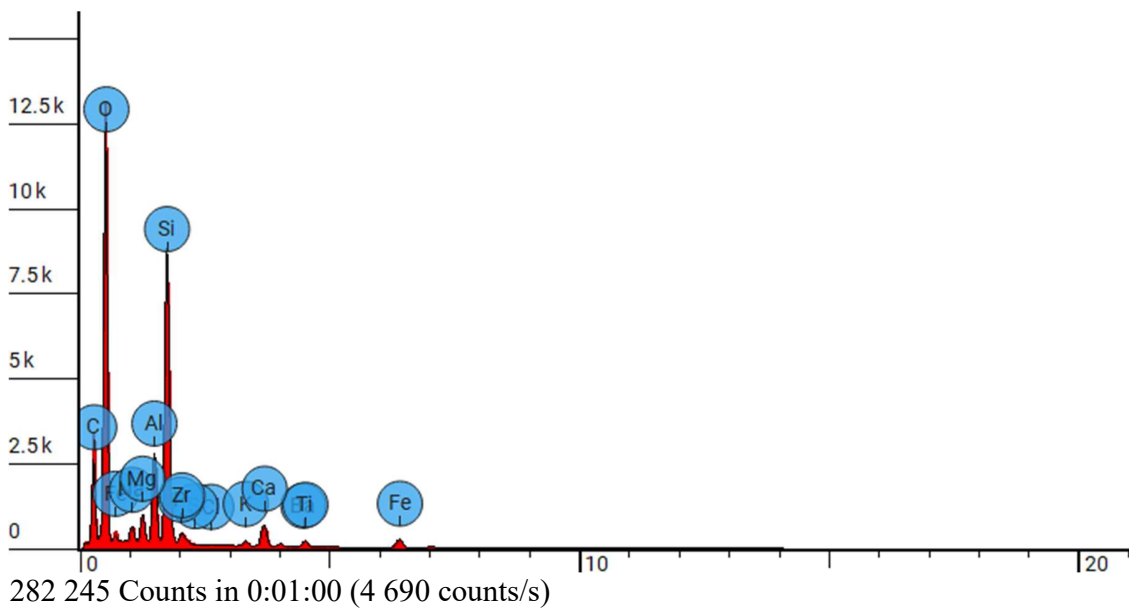
Disabled elements: Pt

Spot 6 – Volcanic glass



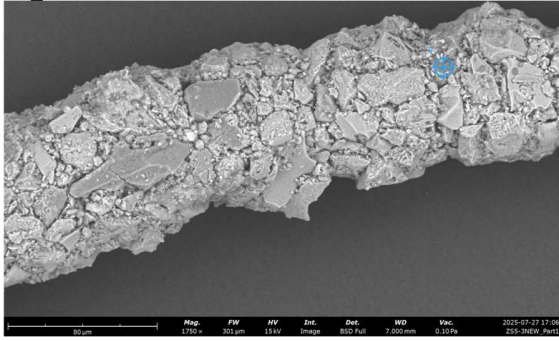
FW: 301 μm , Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	25.02	16.58
	8	O	Oxygen	55.33	48.85
	11	Na	Sodium	0.94	1.20
	12	Mg	Magnesium	0.97	1.30
	13	Al	Aluminum	3.29	4.90
	14	Si	Silicon	10.50	16.28
	15	P	Phosphorus	0.12	0.20
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.05	0.10
	19	K	Potassium	0.37	0.80
	20	Ca	Calcium	1.40	3.10
	22	Ti	Titanium	0.42	1.10
	26	Fe	Iron	1.23	3.80
	40	Zr	Zirconium	0.36	1.80
	56	Ba	Barium	0.00	0.00



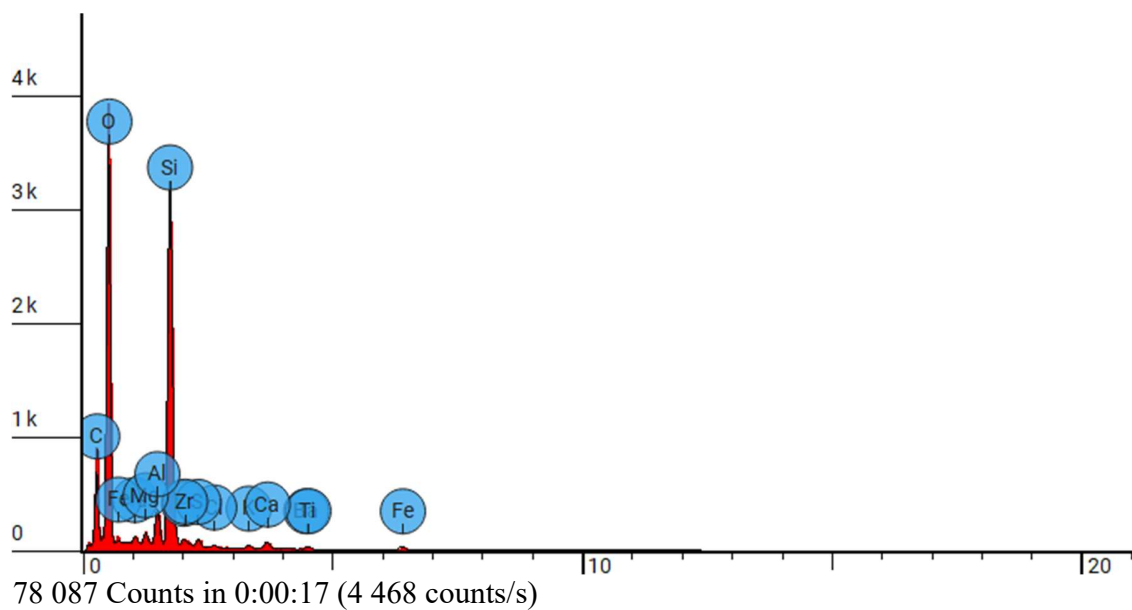
Disabled elements: Pt

Spot 7 – Quartz



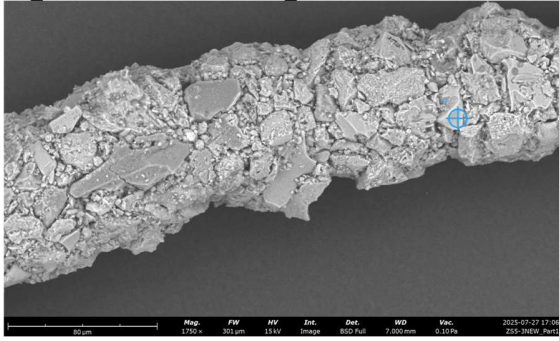
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	26.30	18.05
	8	O	Oxygen	55.52	50.75
	11	Na	Sodium	0.46	0.60
	12	Mg	Magnesium	0.43	0.60
	13	Al	Aluminum	1.36	2.09
	14	Si	Silicon	13.42	21.54
	15	P	Phosphorus	0.28	0.50
	16	S	Sulfur	0.44	0.80
	17	Cl	Chlorine	0.15	0.30
	19	K	Potassium	0.27	0.60
	20	Ca	Calcium	0.52	1.20
	22	Ti	Titanium	0.18	0.50
	26	Fe	Iron	0.53	1.69
	40	Zr	Zirconium	0.15	0.80
	56	Ba	Barium	0.00	0.00



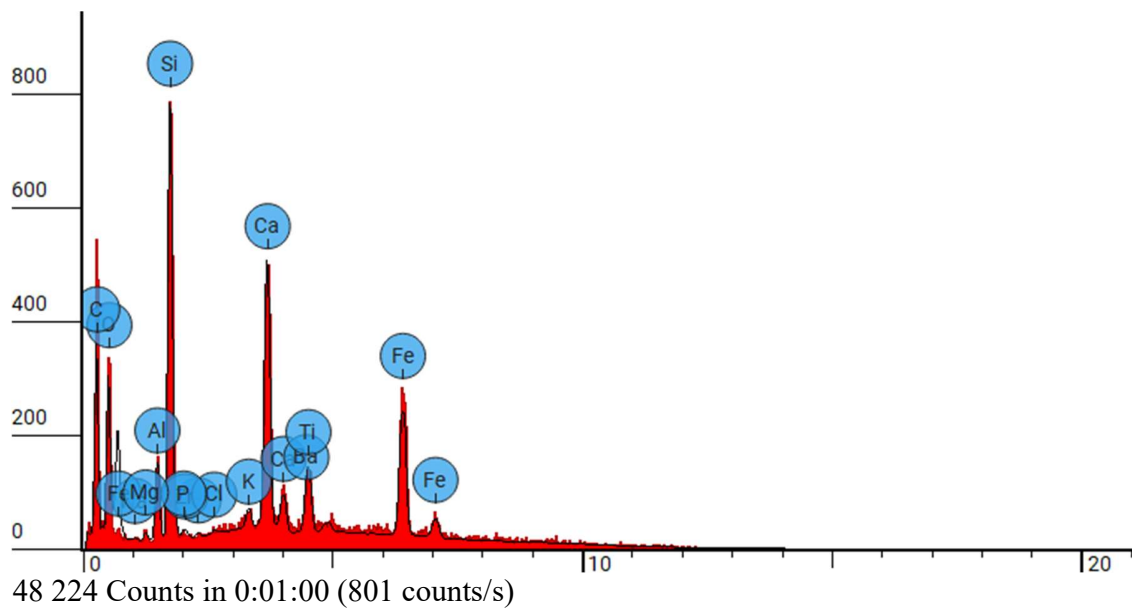
Disabled elements: Pt

Spot 8 – Feldspar



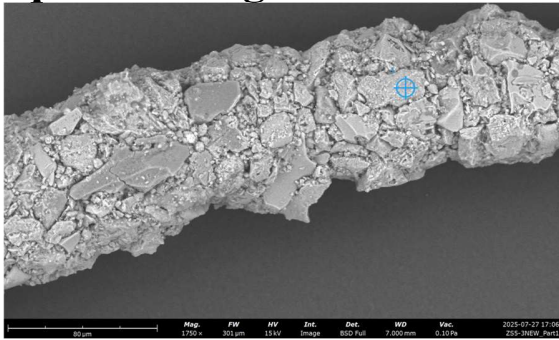
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	33.26	15.40
	8	O	Oxygen	24.15	14.90
	11	Na	Sodium	0.11	0.10
	12	Mg	Magnesium	0.21	0.20
	13	Al	Aluminum	2.21	2.30
	14	Si	Silicon	11.27	12.20
	15	P	Phosphorus	0.08	0.10
	16	S	Sulfur	0.16	0.20
	17	Cl	Chlorine	0.15	0.20
	19	K	Potassium	0.86	1.30
	20	Ca	Calcium	11.65	18.00
	22	Ti	Titanium	2.76	5.10
	26	Fe	Iron	12.45	26.80
	40	Zr	Zirconium	0.20	0.70
	56	Ba	Barium	0.47	2.50



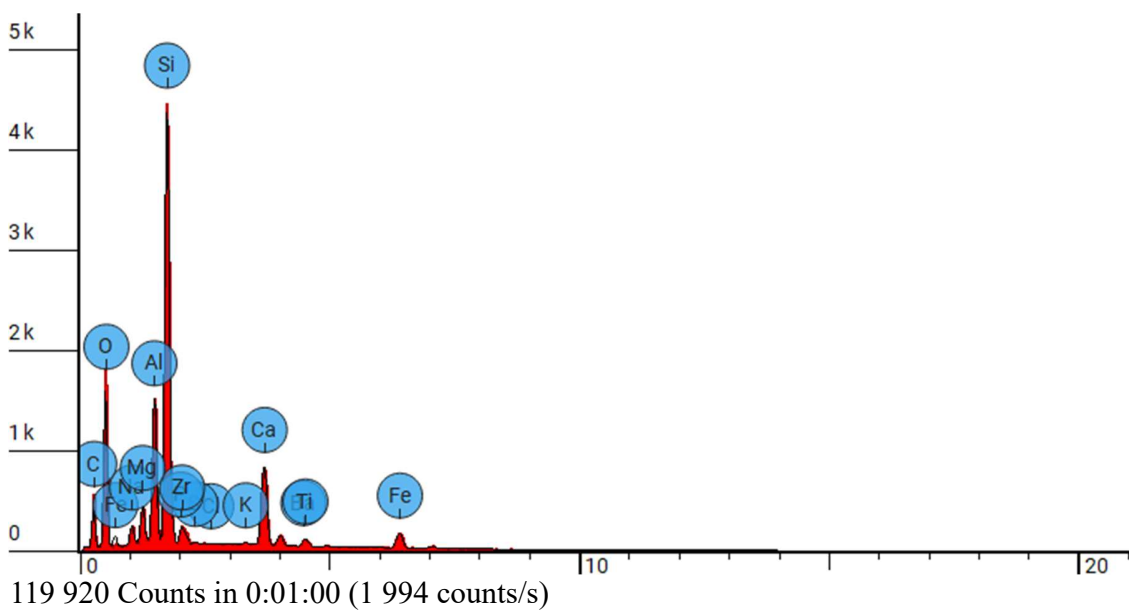
Disabled elements: Pt

Spot 9 – Plagioclase



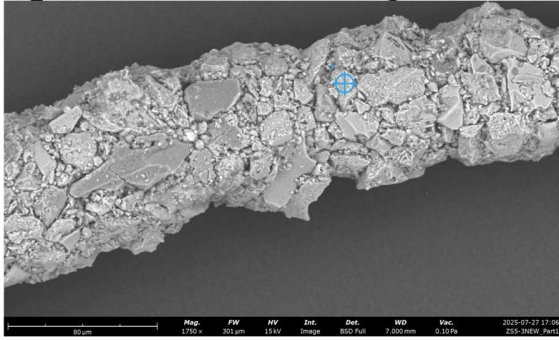
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	21.01	11.40
	8	O	Oxygen	38.47	27.80
	11	Na	Sodium	1.35	1.40
	12	Mg	Magnesium	1.55	1.70
	13	Al	Aluminum	6.57	8.00
	14	Si	Silicon	19.70	25.00
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.14	0.20
	17	Cl	Chlorine	0.06	0.10
	19	K	Potassium	0.23	0.40
	20	Ca	Calcium	6.68	12.10
	22	Ti	Titanium	0.65	1.40
	26	Fe	Iron	2.70	6.80
	40	Zr	Zirconium	0.90	3.70
	56	Ba	Barium	0.00	0.00



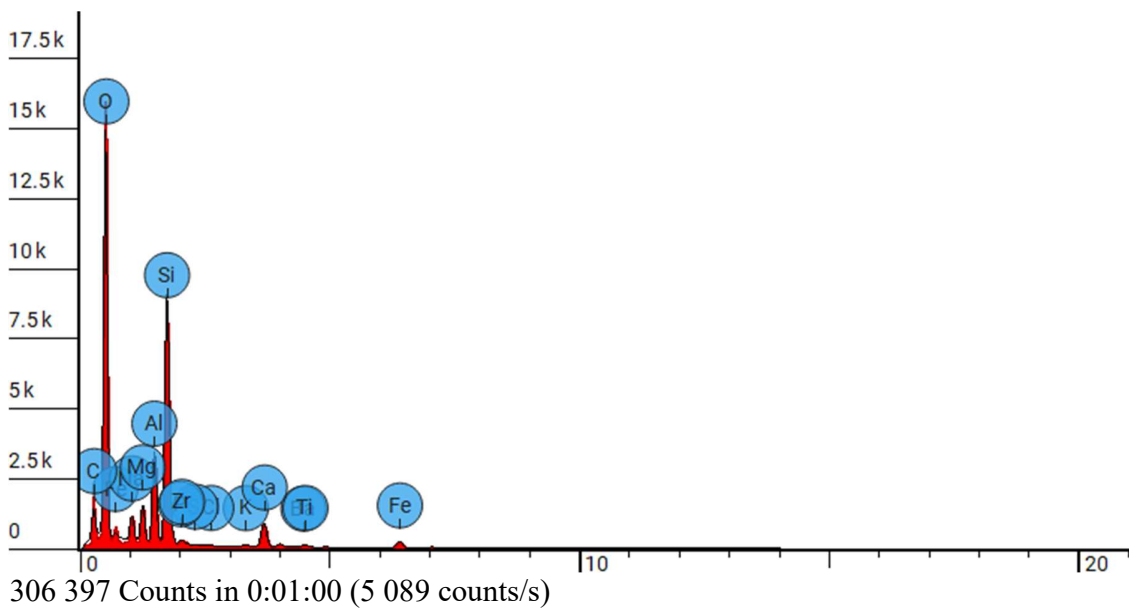
Disabled elements: Pt

Spot 10 – Volcanic glass



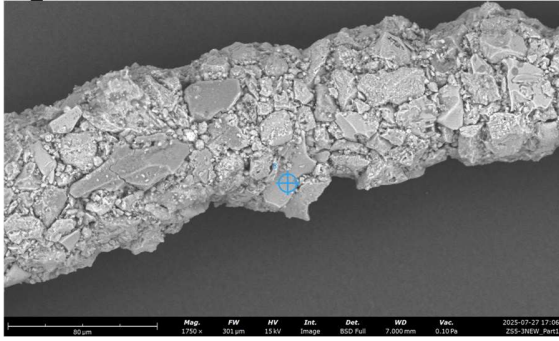
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	11.65	7.30
	8	O	Oxygen	63.15	52.70
	11	Na	Sodium	2.00	2.40
	12	Mg	Magnesium	1.81	2.30
	13	Al	Aluminum	4.69	6.60
	14	Si	Silicon	12.49	18.30
	15	P	Phosphorus	0.12	0.20
	16	S	Sulfur	0.06	0.10
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.15	0.30
	20	Ca	Calcium	2.10	4.40
	22	Ti	Titanium	0.24	0.60
	26	Fe	Iron	1.34	3.90
	40	Zr	Zirconium	0.19	0.90
	56	Ba	Barium	0.00	0.00



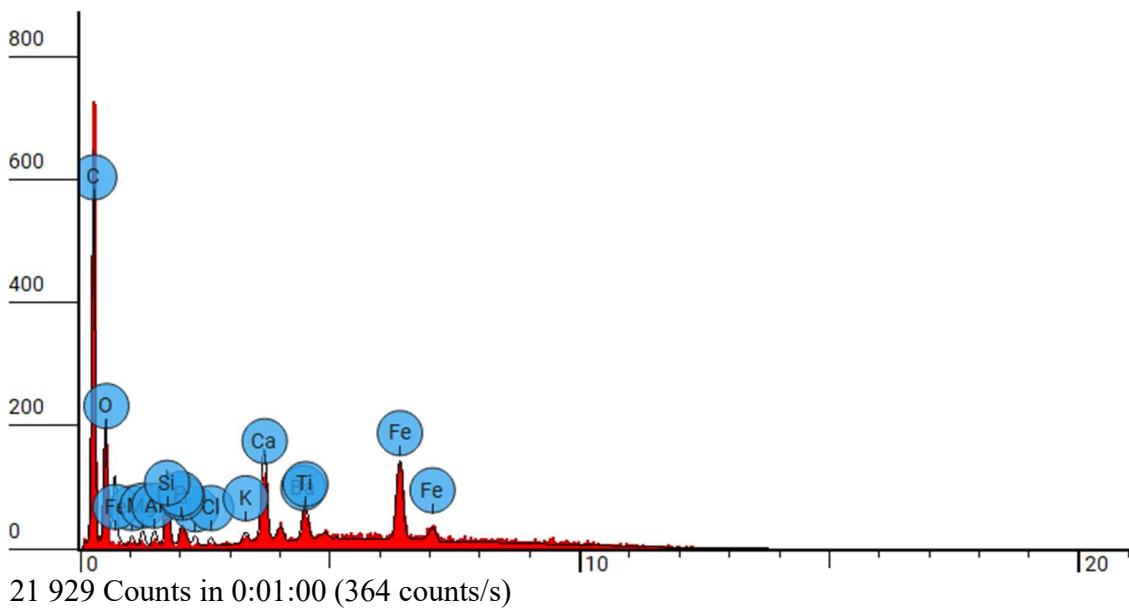
Disabled elements: Pt

Spot 11 – ?Hematite



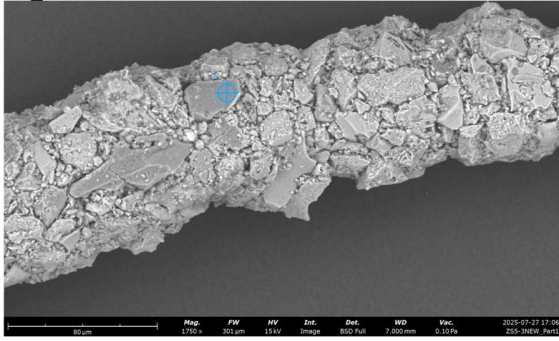
FW: 301 μm , Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	58.67	34.93
	8	O	Oxygen	20.64	16.37
	11	Na	Sodium	0.53	0.60
	12	Mg	Magnesium	0.50	0.60
	13	Al	Aluminum	0.45	0.60
	14	Si	Silicon	2.15	2.99
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.38	0.60
	17	Cl	Chlorine	0.34	0.60
	19	K	Potassium	0.51	1.00
	20	Ca	Calcium	4.52	8.98
	22	Ti	Titanium	1.60	3.79
	26	Fe	Iron	8.90	24.65
	40	Zr	Zirconium	0.55	2.50
	56	Ba	Barium	0.26	1.80



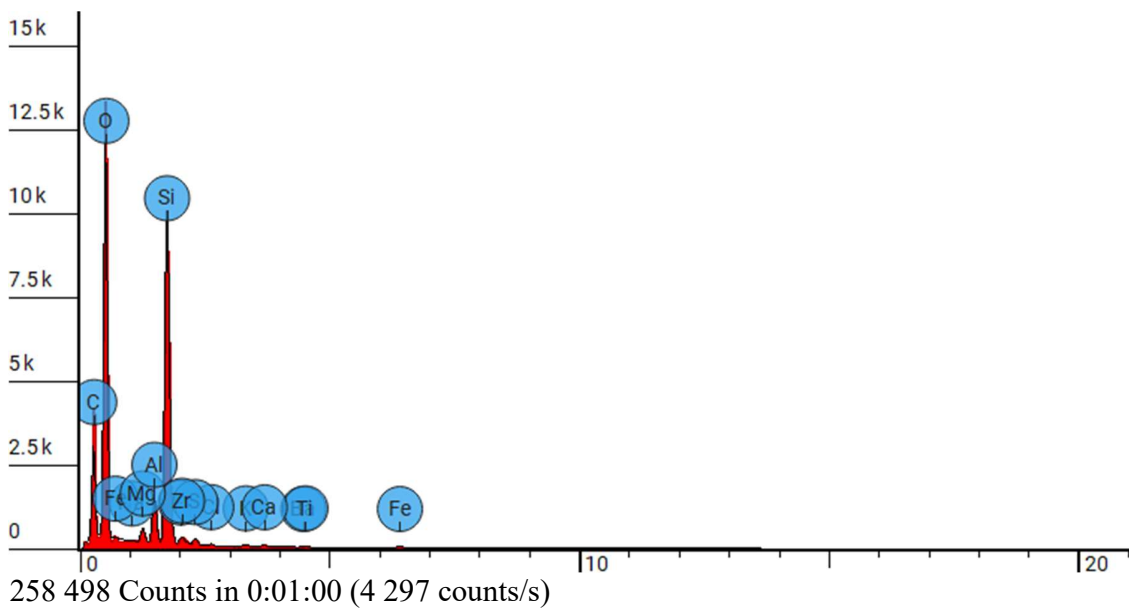
Disabled elements: Pt

Spot 12 – Quartz



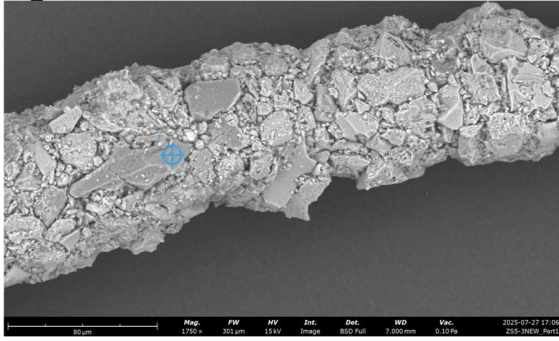
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	30.15	21.38
	8	O	Oxygen	54.35	51.35
	11	Na	Sodium	0.00	0.00
	12	Mg	Magnesium	0.49	0.70
	13	Al	Aluminum	1.63	2.60
	14	Si	Silicon	11.93	19.78
	15	P	Phosphorus	0.11	0.20
	16	S	Sulfur	0.37	0.70
	17	Cl	Chlorine	0.10	0.20
	19	K	Potassium	0.17	0.40
	20	Ca	Calcium	0.13	0.30
	22	Ti	Titanium	0.11	0.30
	26	Fe	Iron	0.24	0.80
	40	Zr	Zirconium	0.24	1.30
	56	Ba	Barium	0.00	0.00



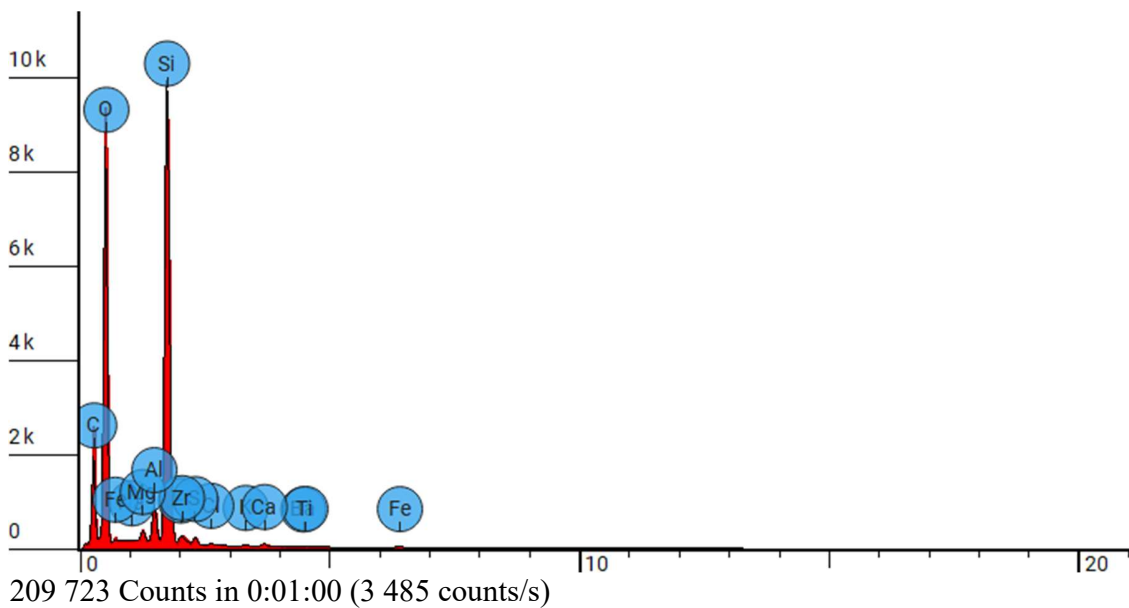
Disabled elements: Pt

Spot 13a – Quartz



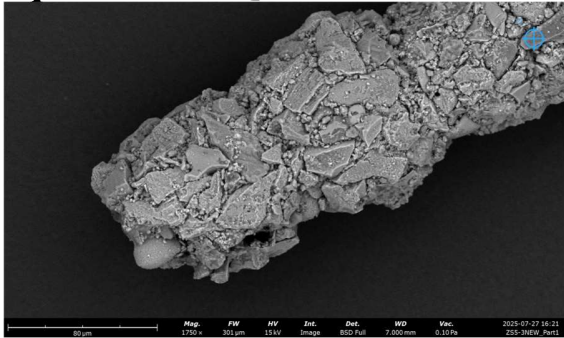
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 5:06 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	30.20	21.00
	8	O	Oxygen	51.70	47.90
	11	Na	Sodium	0.00	0.00
	12	Mg	Magnesium	0.36	0.50
	13	Al	Aluminum	1.15	1.80
	14	Si	Silicon	15.06	24.50
	15	P	Phosphorus	0.17	0.30
	16	S	Sulfur	0.38	0.70
	17	Cl	Chlorine	0.10	0.20
	19	K	Potassium	0.09	0.20
	20	Ca	Calcium	0.17	0.40
	22	Ti	Titanium	0.07	0.20
	26	Fe	Iron	0.31	1.00
	40	Zr	Zirconium	0.25	1.30
	56	Ba	Barium	0.00	0.00



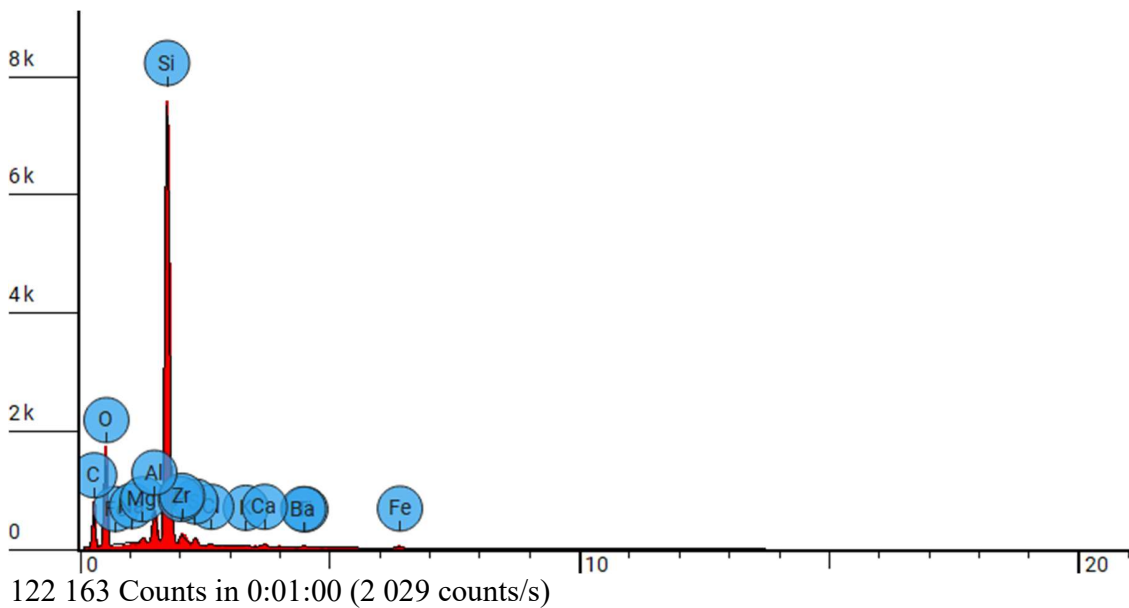
Disabled elements: Pt

Spot 13b – Quartz



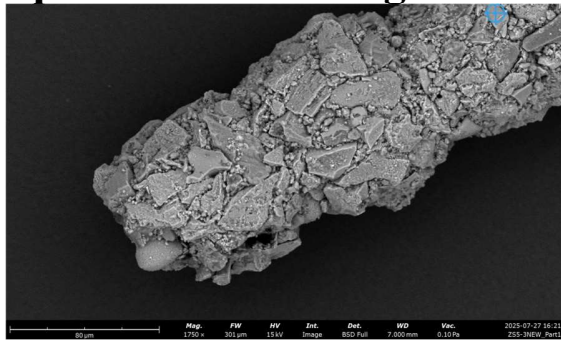
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	35.98	22.30
	8	O	Oxygen	30.52	25.20
	11	Na	Sodium	0.00	0.00
	12	Mg	Magnesium	0.32	0.40
	13	Al	Aluminum	1.94	2.70
	14	Si	Silicon	28.01	40.60
	15	P	Phosphorus	0.25	0.40
	16	S	Sulfur	0.85	1.40
	17	Cl	Chlorine	0.22	0.40
	19	K	Potassium	0.20	0.40
	20	Ca	Calcium	0.34	0.70
	22	Ti	Titanium	0.12	0.30
	26	Fe	Iron	0.49	1.40
	40	Zr	Zirconium	0.72	3.40
	56	Ba	Barium	0.06	0.40



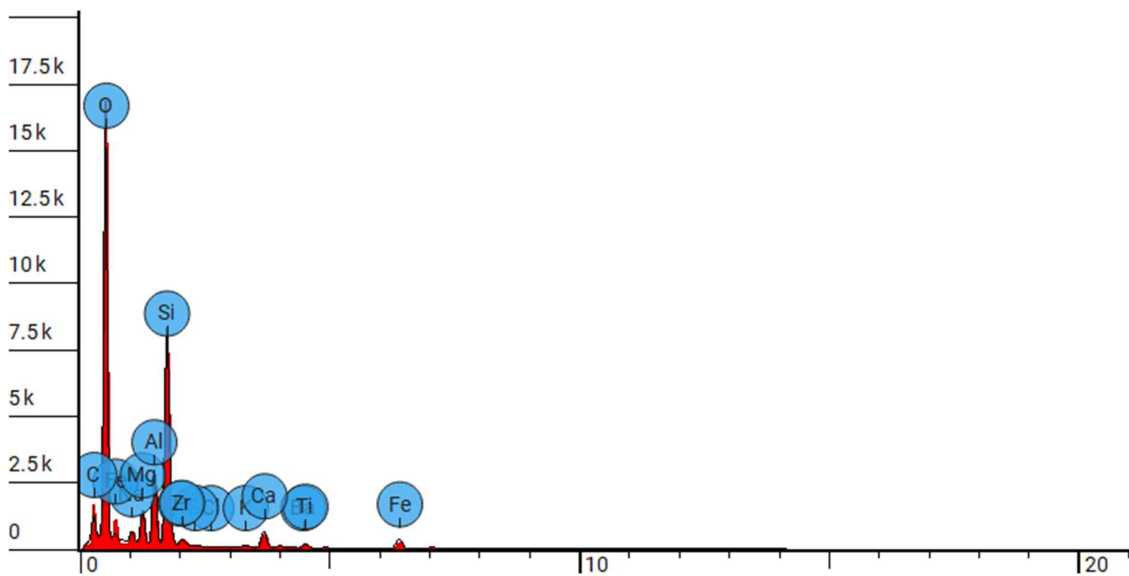
Disabled elements: Pt

Spot 14 – Volcanic glass



FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

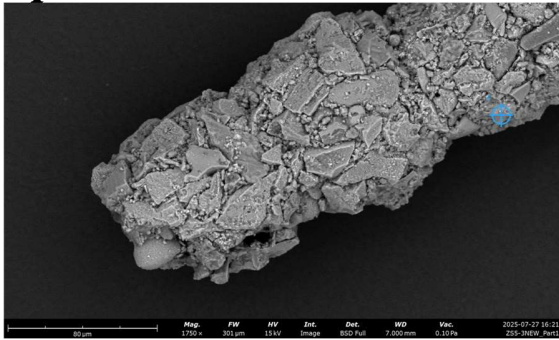
	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	10.43	6.50
	8	O	Oxygen	66.22	55.00
	11	Na	Sodium	1.01	1.20
	12	Mg	Magnesium	1.82	2.30
	13	Al	Aluminum	4.14	5.80
	14	Si	Silicon	11.86	17.30
	15	P	Phosphorus	0.12	0.20
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.20	0.40
	20	Ca	Calcium	1.54	3.20
	22	Ti	Titanium	0.40	1.00
	26	Fe	Iron	1.97	5.70
	40	Zr	Zirconium	0.30	1.40
	56	Ba	Barium	0.00	0.00



298 300 Counts in 0:01:00 (4 955 counts/s)

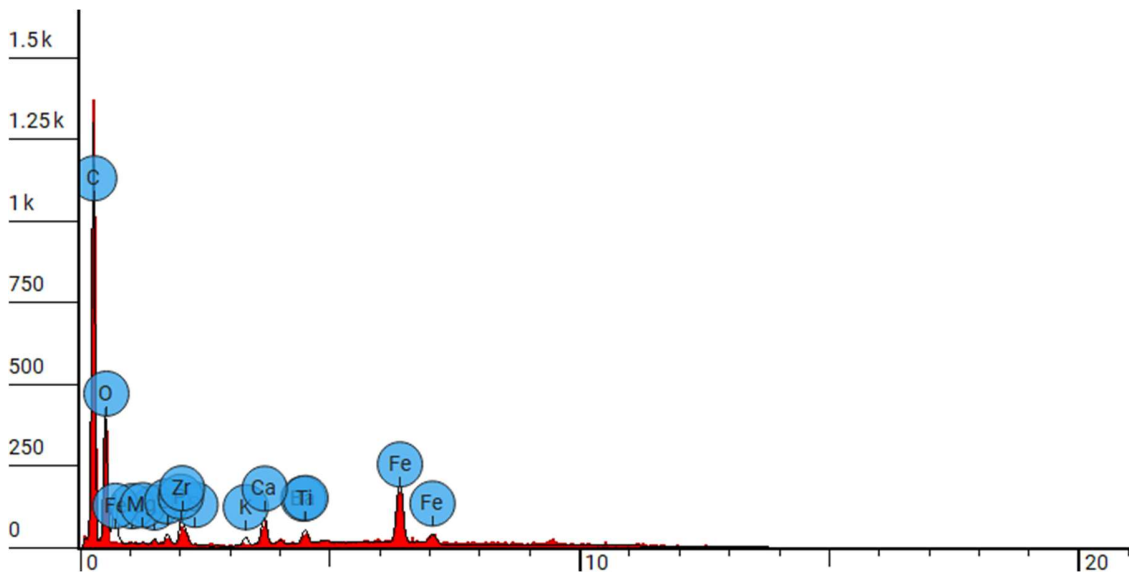
Disabled elements: Pt

Spot 15 – ?Hematite



FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

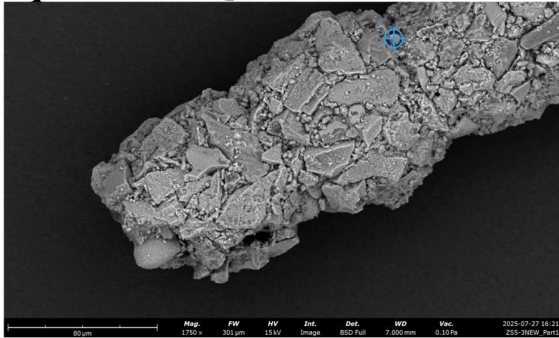
	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	63.01	41.60
	8	O	Oxygen	24.67	21.70
	11	Na	Sodium	0.08	0.10
	12	Mg	Magnesium	0.07	0.10
	13	Al	Aluminum	0.20	0.30
	14	Si	Silicon	0.32	0.50
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.06	0.10
	19	K	Potassium	0.47	1.00
	20	Ca	Calcium	1.63	3.60
	22	Ti	Titanium	0.72	1.90
	26	Fe	Iron	7.82	24.00
	40	Zr	Zirconium	0.80	4.00
	56	Ba	Barium	0.15	1.10



26 376 Counts in 0:01:00 (438 counts/s)

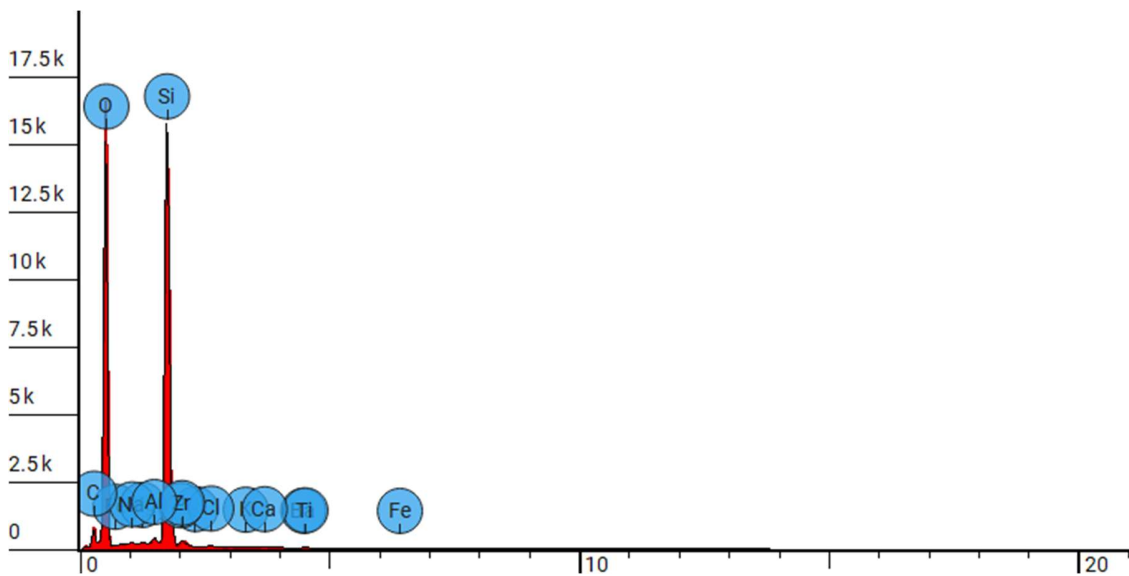
Disabled elements: Pt

Spot 16 – Quartz



FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

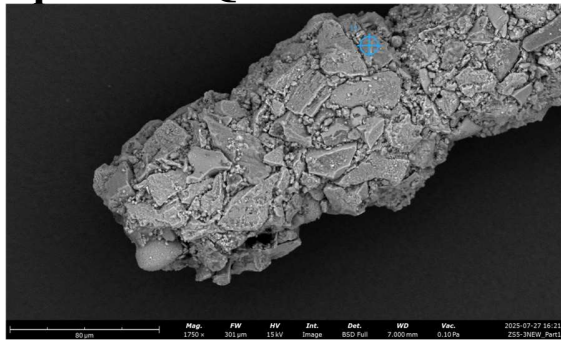
	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	11.13	7.19
	8	O	Oxygen	65.77	56.64
	11	Na	Sodium	0.16	0.20
	12	Mg	Magnesium	0.08	0.10
	13	Al	Aluminum	0.28	0.40
	14	Si	Silicon	21.67	32.77
	15	P	Phosphorus	0.18	0.30
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.10	0.20
	19	K	Potassium	0.05	0.10
	20	Ca	Calcium	0.14	0.30
	22	Ti	Titanium	0.08	0.20
	26	Fe	Iron	0.10	0.30
	40	Zr	Zirconium	0.26	1.30
	56	Ba	Barium	0.00	0.00



291 745 Counts in 0:01:00 (4 847 counts/s)

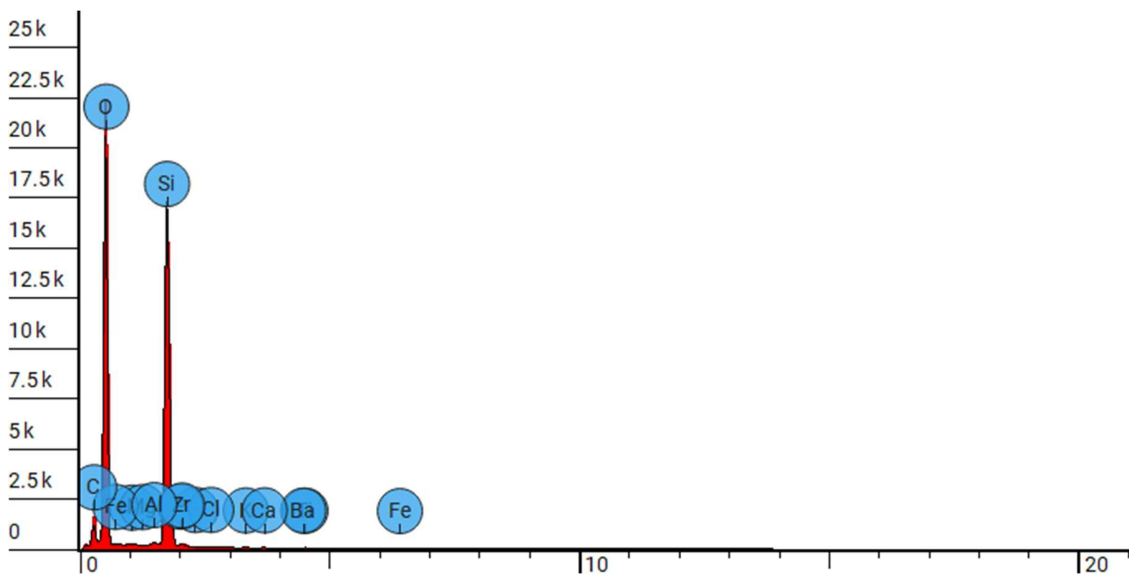
Disabled elements: Au, Pt, Ag

Spot 17 – Quartz



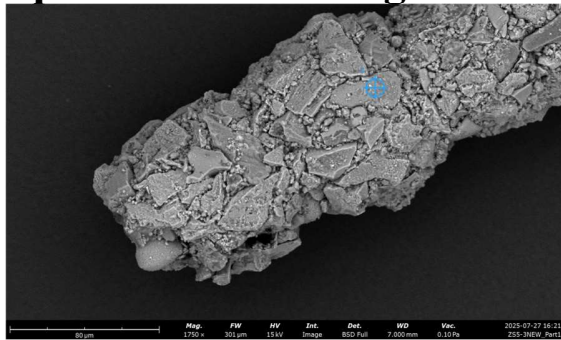
FW: 301 μm , Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	11.44	7.60
	8	O	Oxygen	68.61	60.70
	11	Na	Sodium	0.00	0.00
	12	Mg	Magnesium	0.00	0.00
	13	Al	Aluminum	0.13	0.20
	14	Si	Silicon	19.31	30.00
	15	P	Phosphorus	0.18	0.30
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.05	0.10
	20	Ca	Calcium	0.05	0.10
	22	Ti	Titanium	0.08	0.20
	26	Fe	Iron	0.00	0.00
	40	Zr	Zirconium	0.16	0.80
	56	Ba	Barium	0.00	0.00



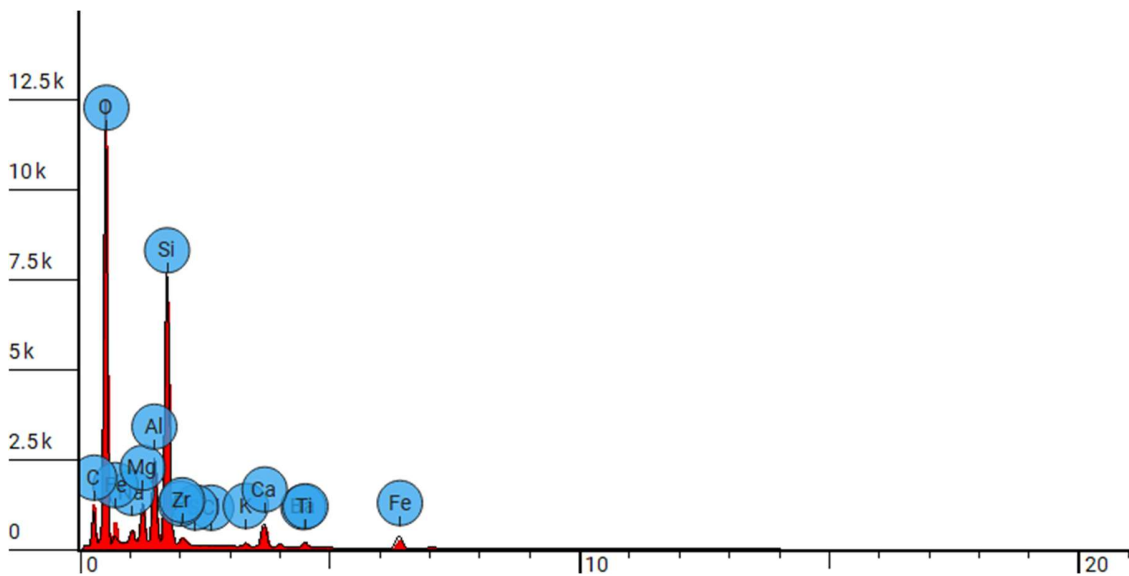
Disabled elements: Pt

Spot 18 – Volcanic glass



FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

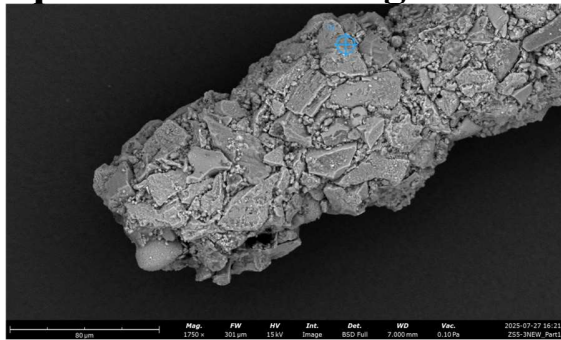
	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	14.21	8.81
	8	O	Oxygen	61.46	50.75
	11	Na	Sodium	1.01	1.20
	12	Mg	Magnesium	1.75	2.20
	13	Al	Aluminum	4.03	5.61
	14	Si	Silicon	12.36	17.92
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.30	0.60
	20	Ca	Calcium	1.89	3.90
	22	Ti	Titanium	0.45	1.10
	26	Fe	Iron	2.22	6.41
	40	Zr	Zirconium	0.32	1.50
	56	Ba	Barium	0.00	0.00



249 743 Counts in 0:01:00 (4 148 counts/s)

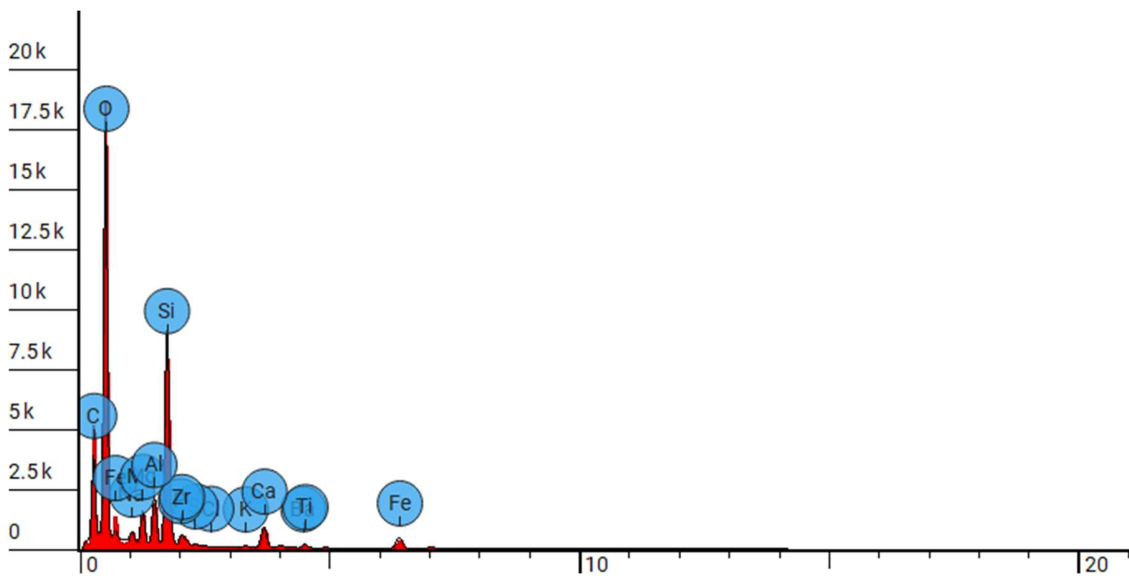
Disabled elements: Pt, Ag, Au

Spot 19 – Volcanic glass



FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

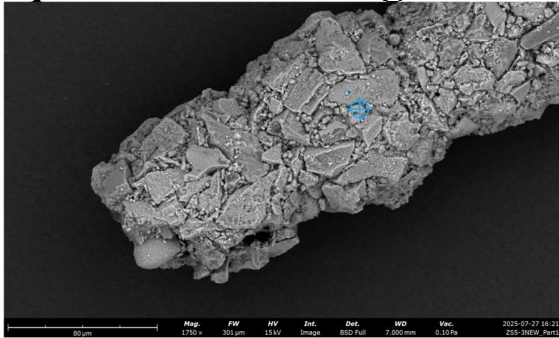
	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	24.45	16.32
	8	O	Oxygen	58.78	52.25
	11	Na	Sodium	0.70	0.90
	12	Mg	Magnesium	1.33	1.80
	13	Al	Aluminum	1.94	2.90
	14	Si	Silicon	8.53	13.31
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.11	0.20
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.09	0.20
	20	Ca	Calcium	1.48	3.30
	22	Ti	Titanium	0.26	0.70
	26	Fe	Iron	1.84	5.71
	40	Zr	Zirconium	0.47	2.40
	56	Ba	Barium	0.00	0.00



352 778 Counts in 0:01:00 (5 864 counts/s)

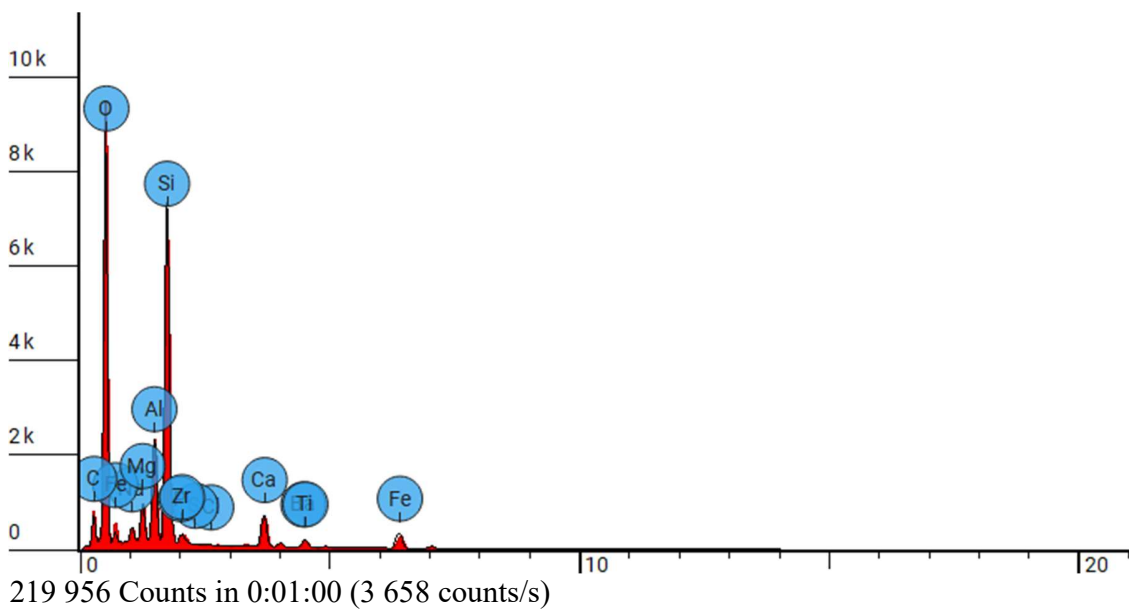
Disabled elements: Pt, Ag, Au

Spot 20 – Volcanic glass



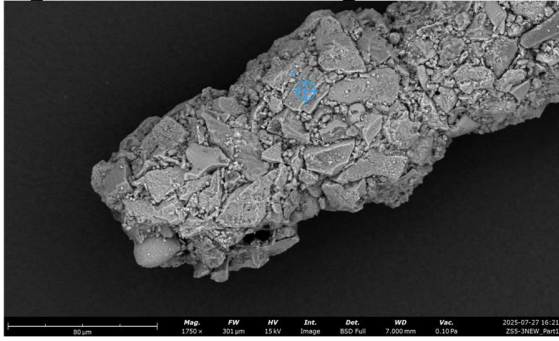
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	12.54	7.51
	8	O	Oxygen	59.63	47.55
	11	Na	Sodium	1.05	1.20
	12	Mg	Magnesium	1.57	1.90
	13	Al	Aluminum	4.54	6.11
	14	Si	Silicon	14.59	20.42
	15	P	Phosphorus	0.13	0.20
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	20	Ca	Calcium	2.41	4.80
	22	Ti	Titanium	0.59	1.40
	26	Fe	Iron	2.55	7.11
	40	Zr	Zirconium	0.40	1.80
	56	Ba	Barium	0.00	0.00



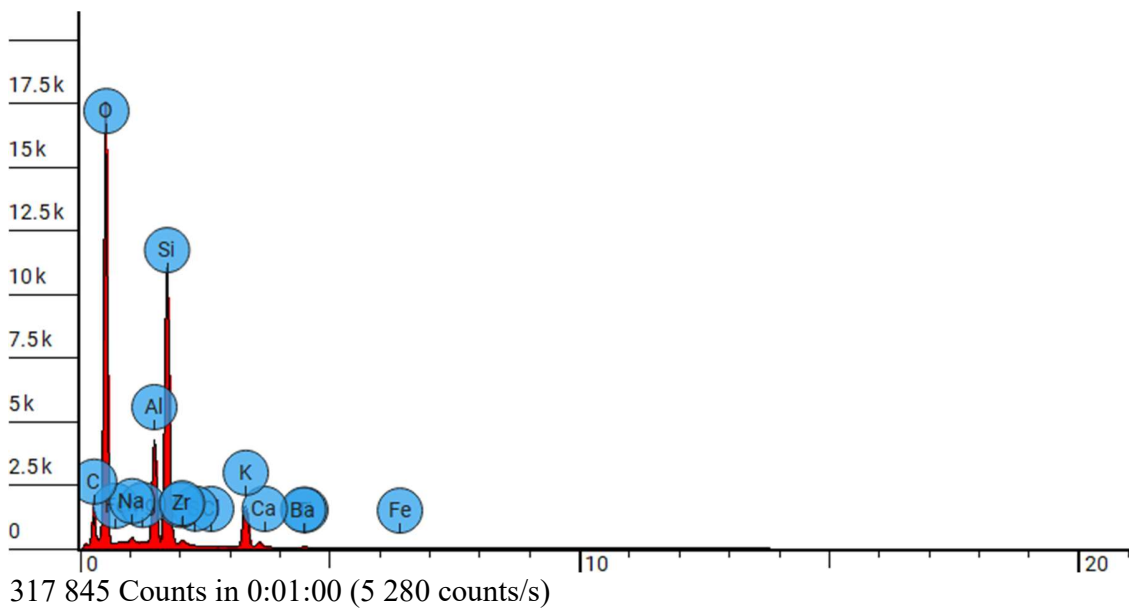
Disabled elements: Pt, Ag, Au

Spot 21 – K feldspar



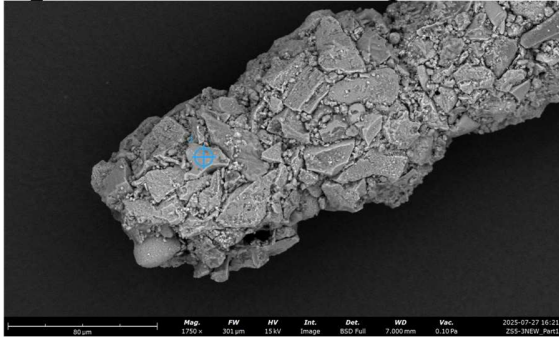
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	10.54	6.71
	8	O	Oxygen	66.50	56.36
	11	Na	Sodium	0.41	0.50
	12	Mg	Magnesium	0.00	0.00
	13	Al	Aluminum	4.97	7.11
	14	Si	Silicon	13.25	19.72
	15	P	Phosphorus	0.06	0.10
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	3.91	8.11
	20	Ca	Calcium	0.05	0.10
	22	Ti	Titanium	0.04	0.10
	26	Fe	Iron	0.03	0.10
	40	Zr	Zirconium	0.23	1.10
	56	Ba	Barium	0.00	0.00



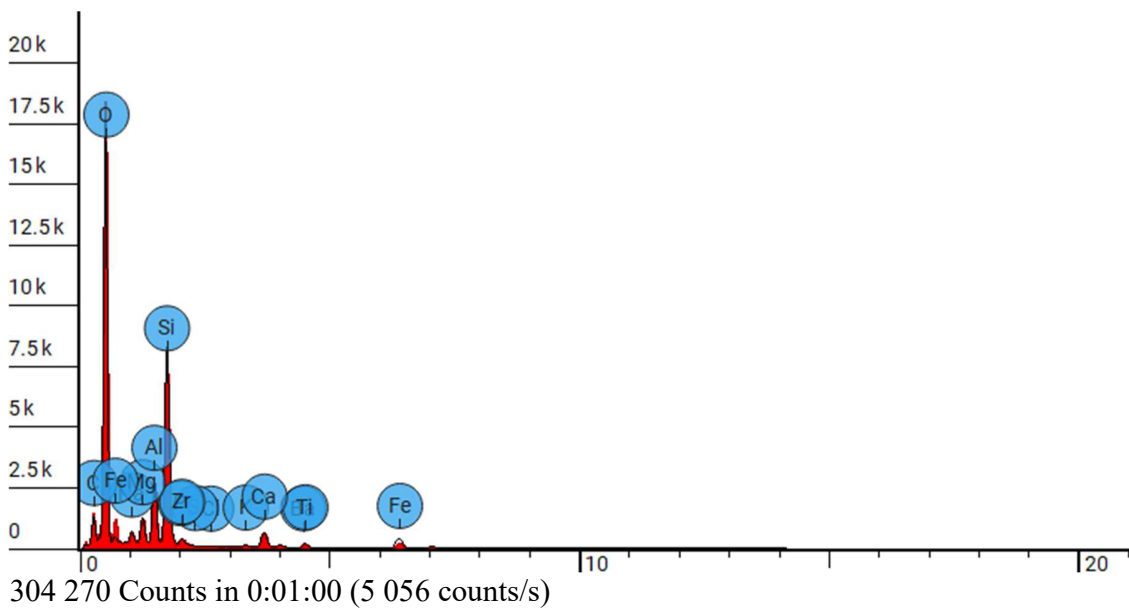
Disabled elements: Pt

Spot 22 – Volcanic glass



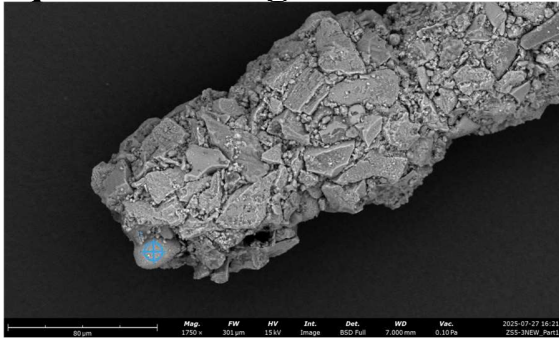
FW: 301 µm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	6	C	Carbon	12.33	7.82
	8	O	Oxygen	66.46	56.11
	11	Na	Sodium	1.07	1.30
	12	Mg	Magnesium	1.41	1.80
	13	Al	Aluminum	3.59	5.11
	14	Si	Silicon	10.68	15.83
	15	P	Phosphorus	0.12	0.20
	16	S	Sulfur	0.00	0.00
	17	Cl	Chlorine	0.00	0.00
	19	K	Potassium	0.15	0.30
	20	Ca	Calcium	1.47	3.11
	22	Ti	Titanium	0.36	0.90
	26	Fe	Iron	2.07	6.11
	40	Zr	Zirconium	0.29	1.40
	56	Ba	Barium	0.00	0.00



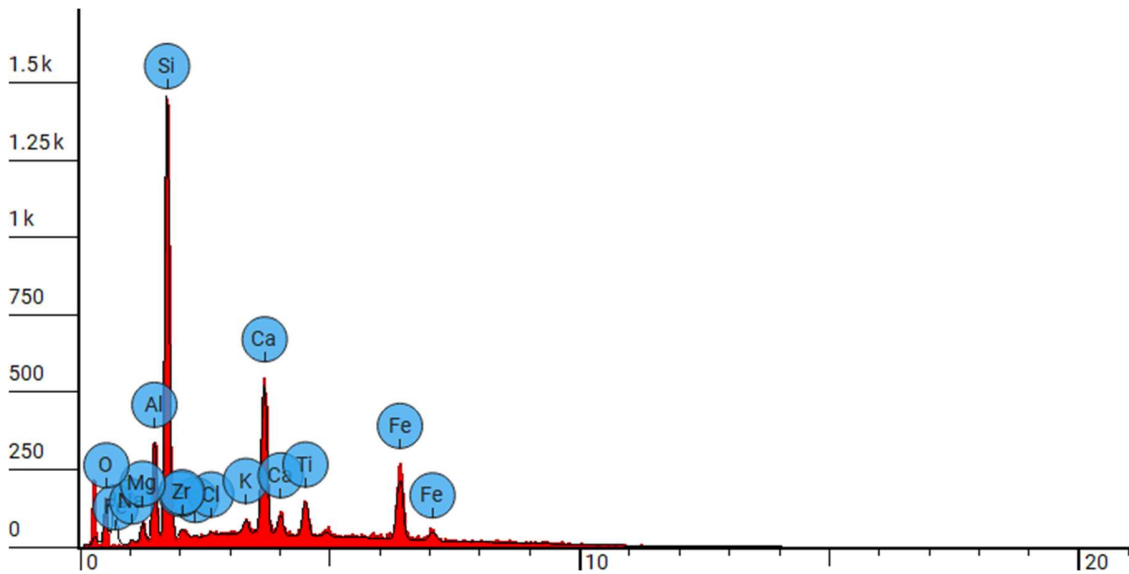
Disabled elements: Pt, Ag, Au

Spot 23 – Plagioclase



FW: 301 μm , Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 7/27/25 4:21 PM

	Element Number	Element Symbol	Element Name	Atomic Conc. [%]	Weight Conc. [%]
	8	O	Oxygen	17.24	8.09
	11	Na	Sodium	0.59	0.40
	12	Mg	Magnesium	1.40	1.00
	13	Al	Aluminum	7.32	5.79
	14	Si	Silicon	31.53	25.97
	15	P	Phosphorus	0.00	0.00
	16	S	Sulfur	0.21	0.20
	17	Cl	Chlorine	0.38	0.40
	19	K	Potassium	1.66	1.90
	20	Ca	Calcium	18.44	21.68
	22	Ti	Titanium	4.48	6.29
	26	Fe	Iron	15.92	26.07
	40	Zr	Zirconium	0.82	2.20



54 835 Counts in 0:01:00 (912 counts/s)

Disabled elements: Pt, Ag, Au