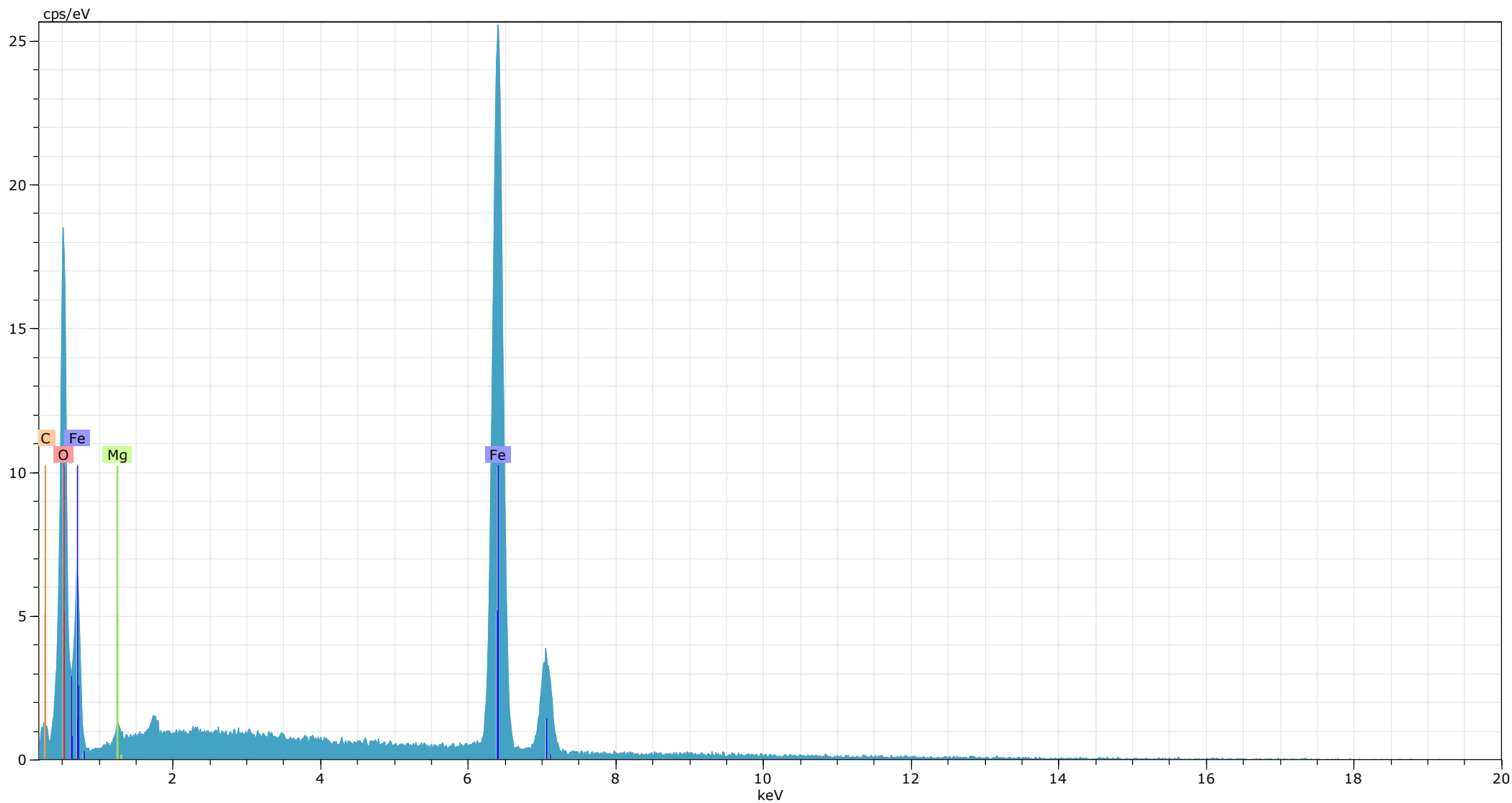
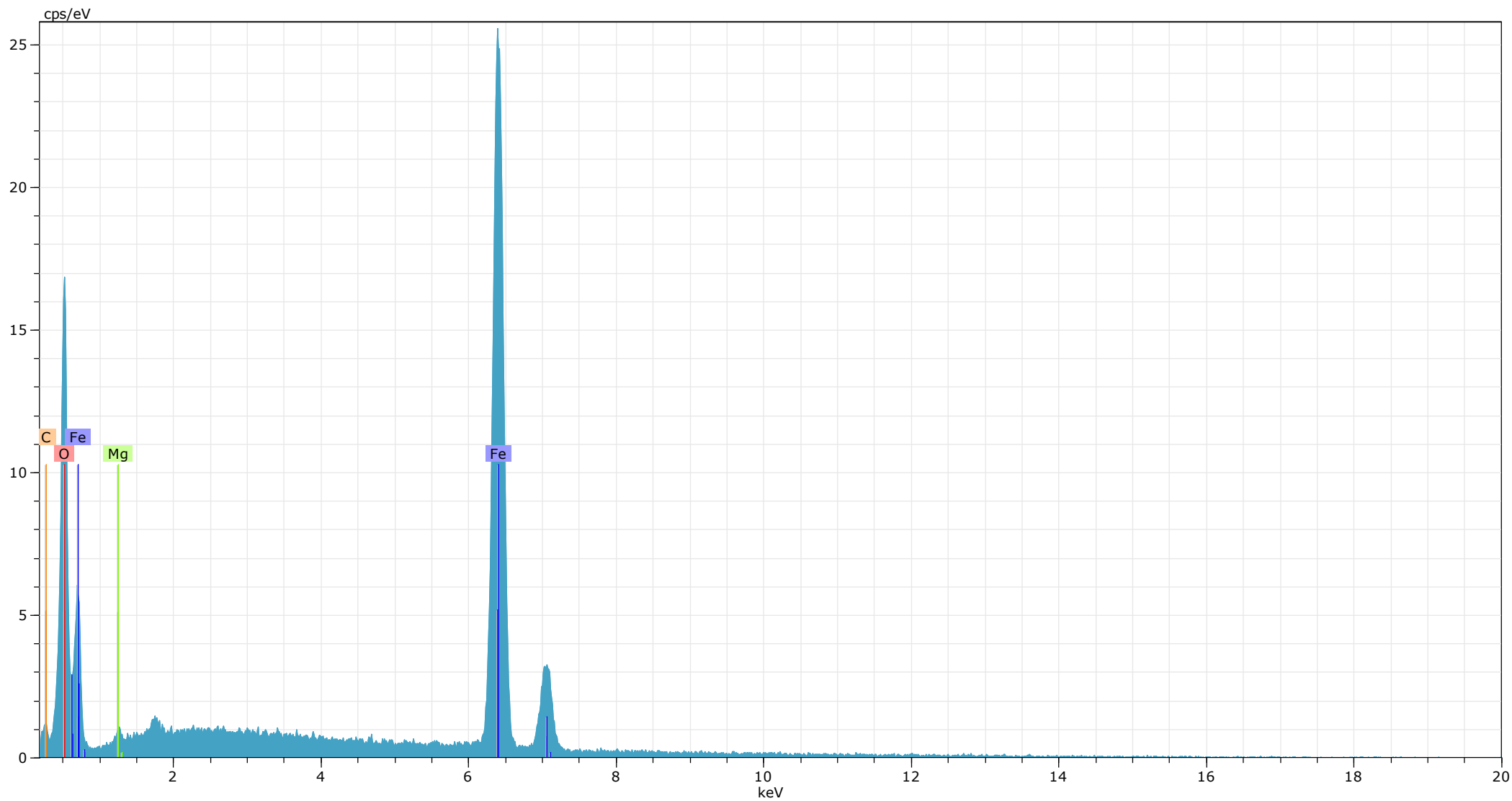


1285
Date:5/7/2014 9:18:49 AM
Image size:1000 x 750
Mag:2000x
HV:20.0kV



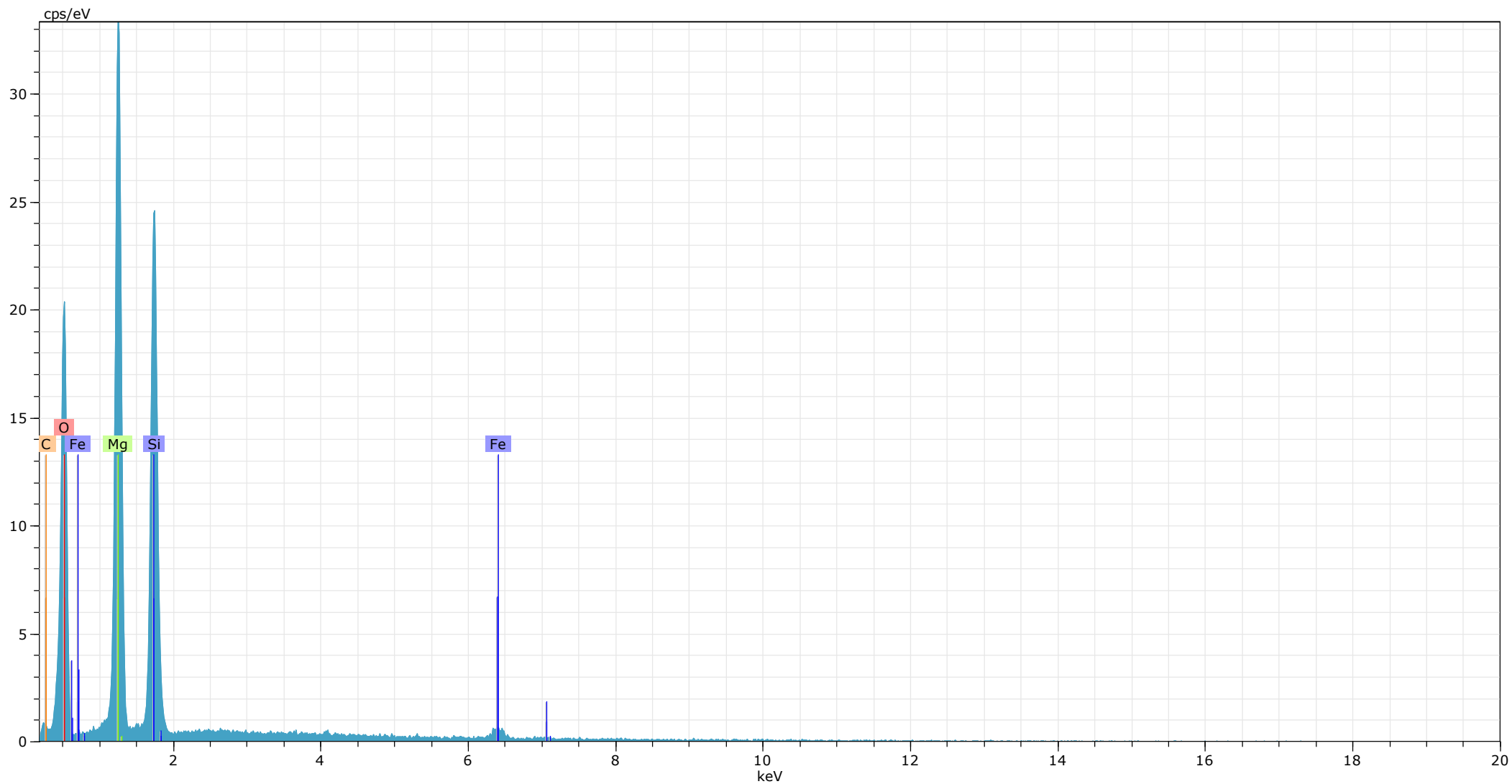
8.1-1 1 Date:5/7/2014 9:20:27 AMHV:20.0kV Puls th.:14.49kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.98	6.05	14.21	1.41
O	8	K-series	29.74	30.09	53.08	3.97
Mg	12	K-series	0.67	0.67	0.78	0.08
Fe	26	K-series	62.44	63.18	31.93	1.71
Total:			98.82	100.00	100.00	



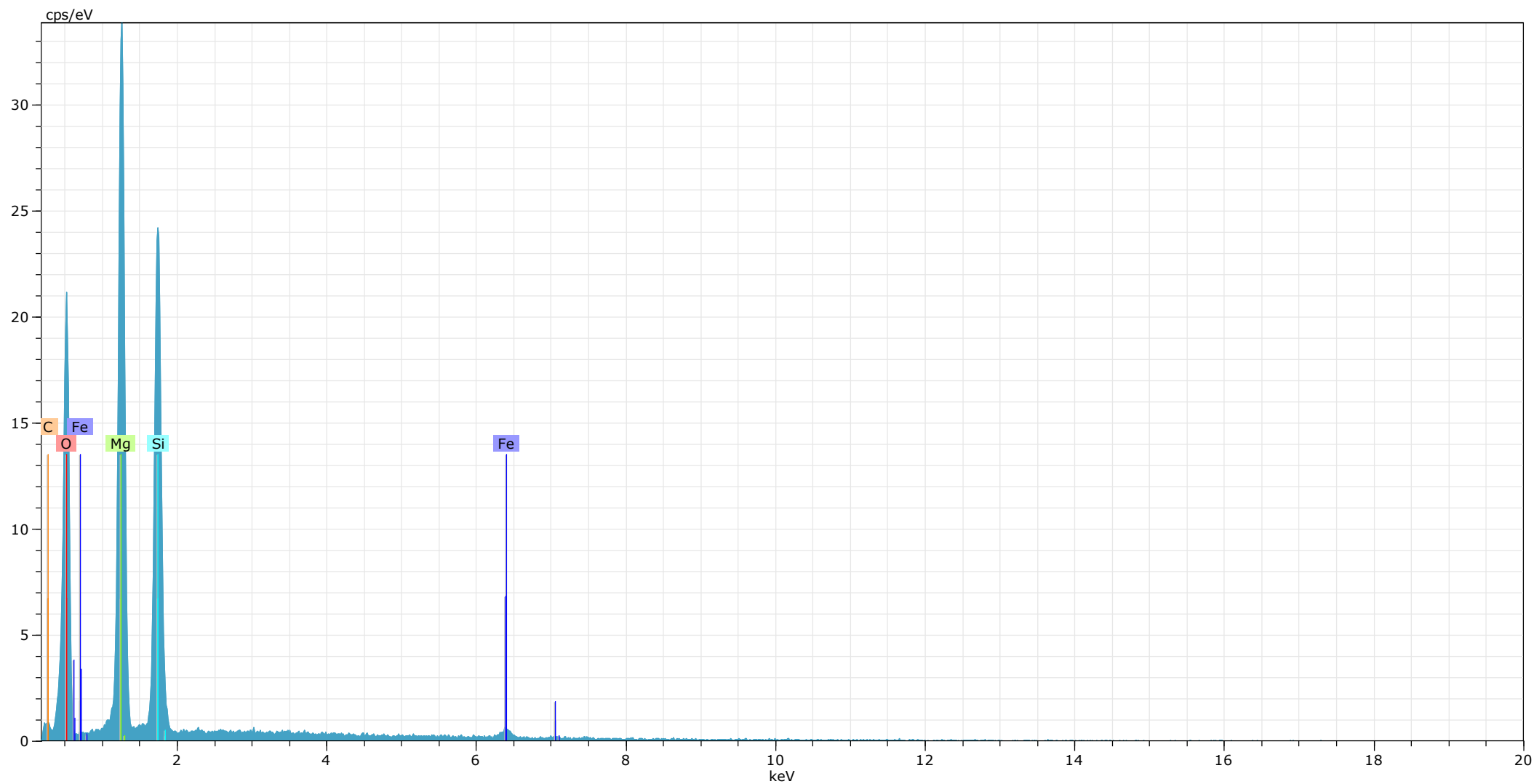
8.1-1 2 Date:5/7/2014 9:20:37 AM HV:20.0kV Puls th.:14.18kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.66	5.72	13.81	1.37
O	8	K-series	28.08	28.38	51.49	3.79
Mg	12	K-series	0.64	0.65	0.77	0.08
Fe	26	K-series	64.57	65.26	33.92	1.77
Total:			98.95	100.00	100.00	



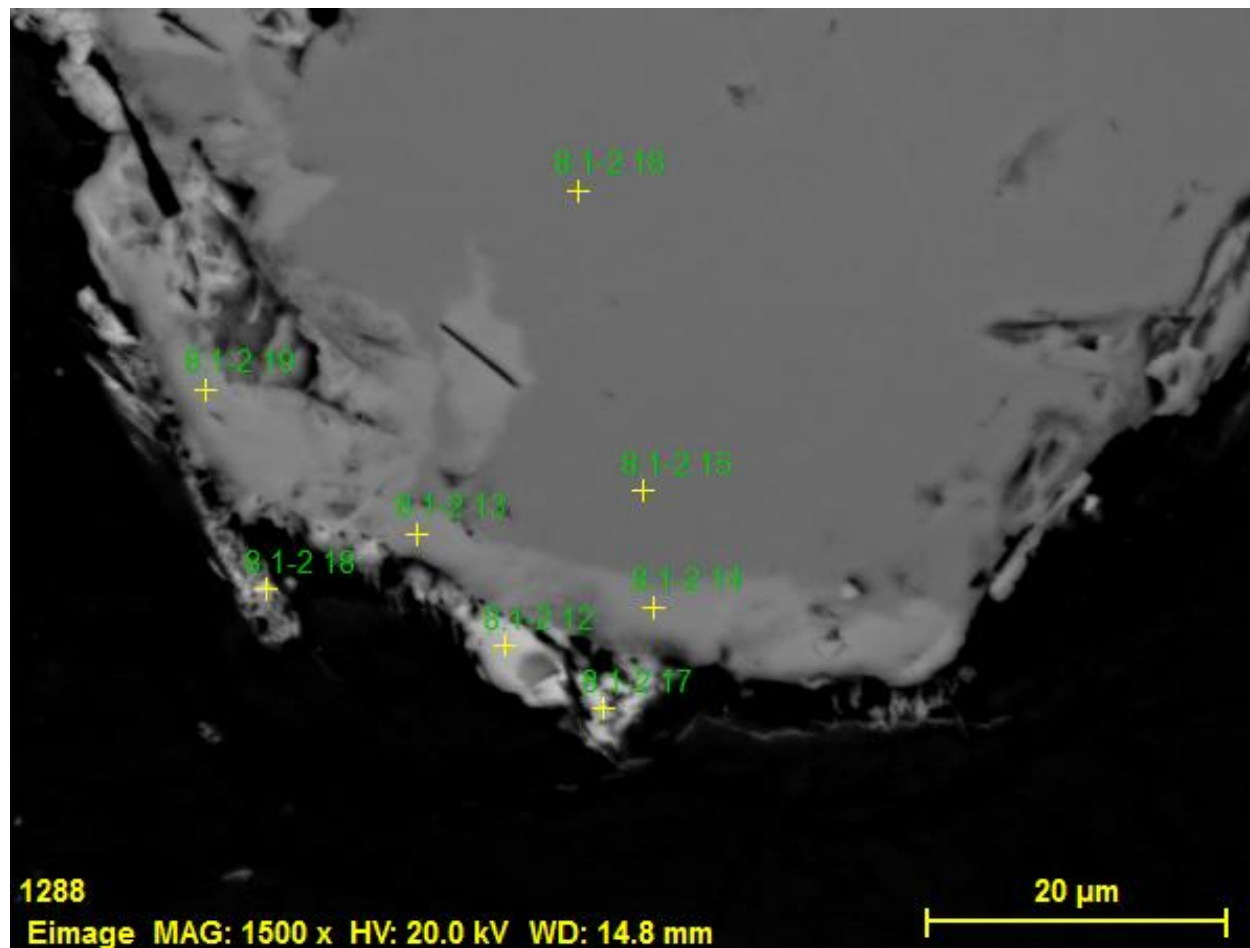
8.1-13 Date:5/7/2014 9:20:48 AMHV:20.0kV Puls th.:12.28kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.30	8.31	12.92	1.61
O	8	K-series	36.89	48.66	56.77	4.85
Mg	12	K-series	17.42	22.97	17.64	0.99
Si	14	K-series	13.69	18.06	12.00	0.62
Fe	26	K-series	1.51	1.99	0.66	0.09
Total:			75.81	100.00	100.00	

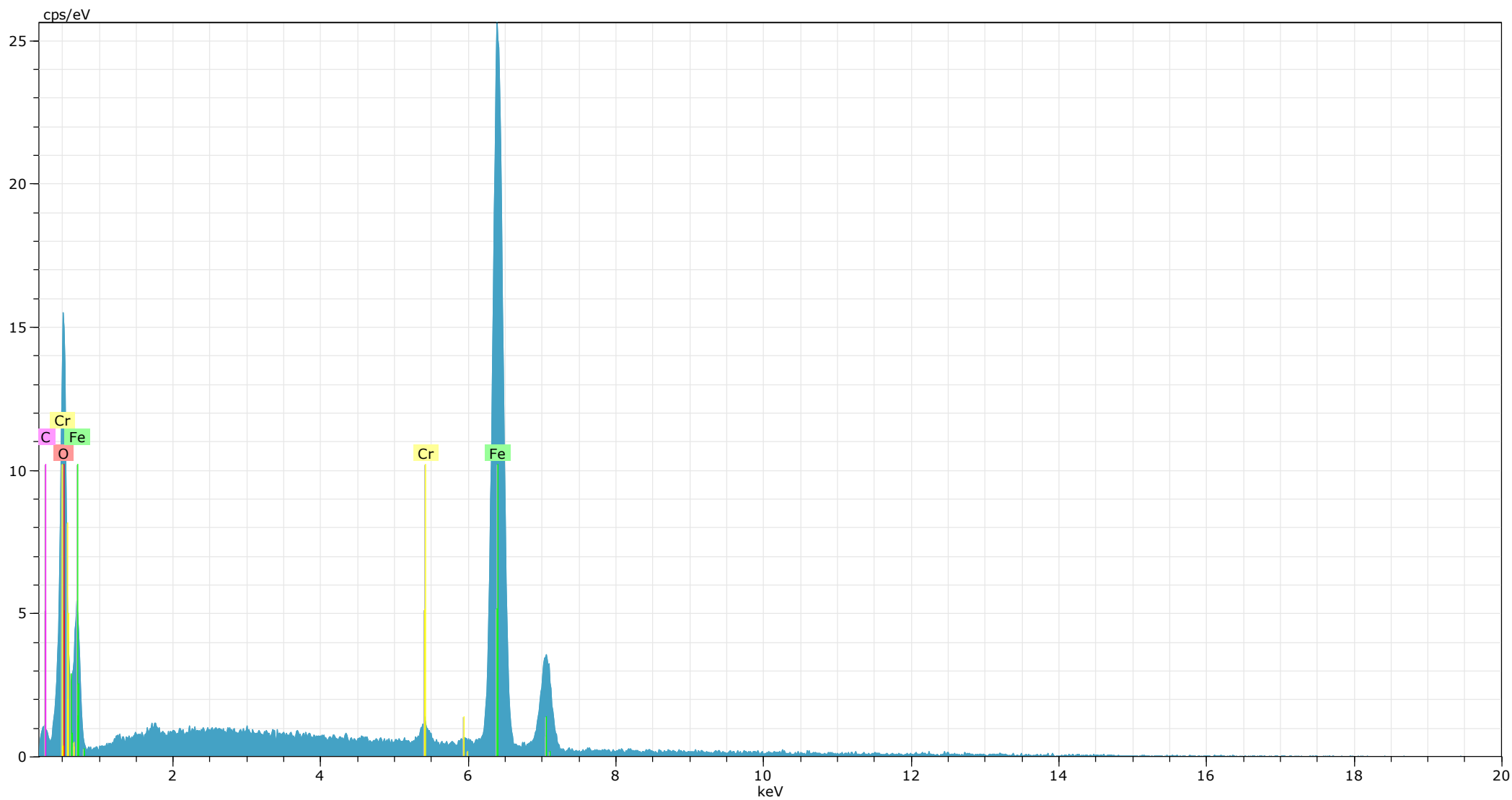


8.1-1 4 Date:5/7/2014 9:20:58 AMHV:20.0kV Puls th.:12.42kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.18	8.77	13.53	1.78
O	8	K-series	40.08	48.98	56.69	5.24
Mg	12	K-series	19.02	23.25	17.71	1.08
Si	14	K-series	14.41	17.60	11.61	0.65
Fe	26	K-series	1.15	1.40	0.46	0.08
Total:			81.83	100.00	100.00	

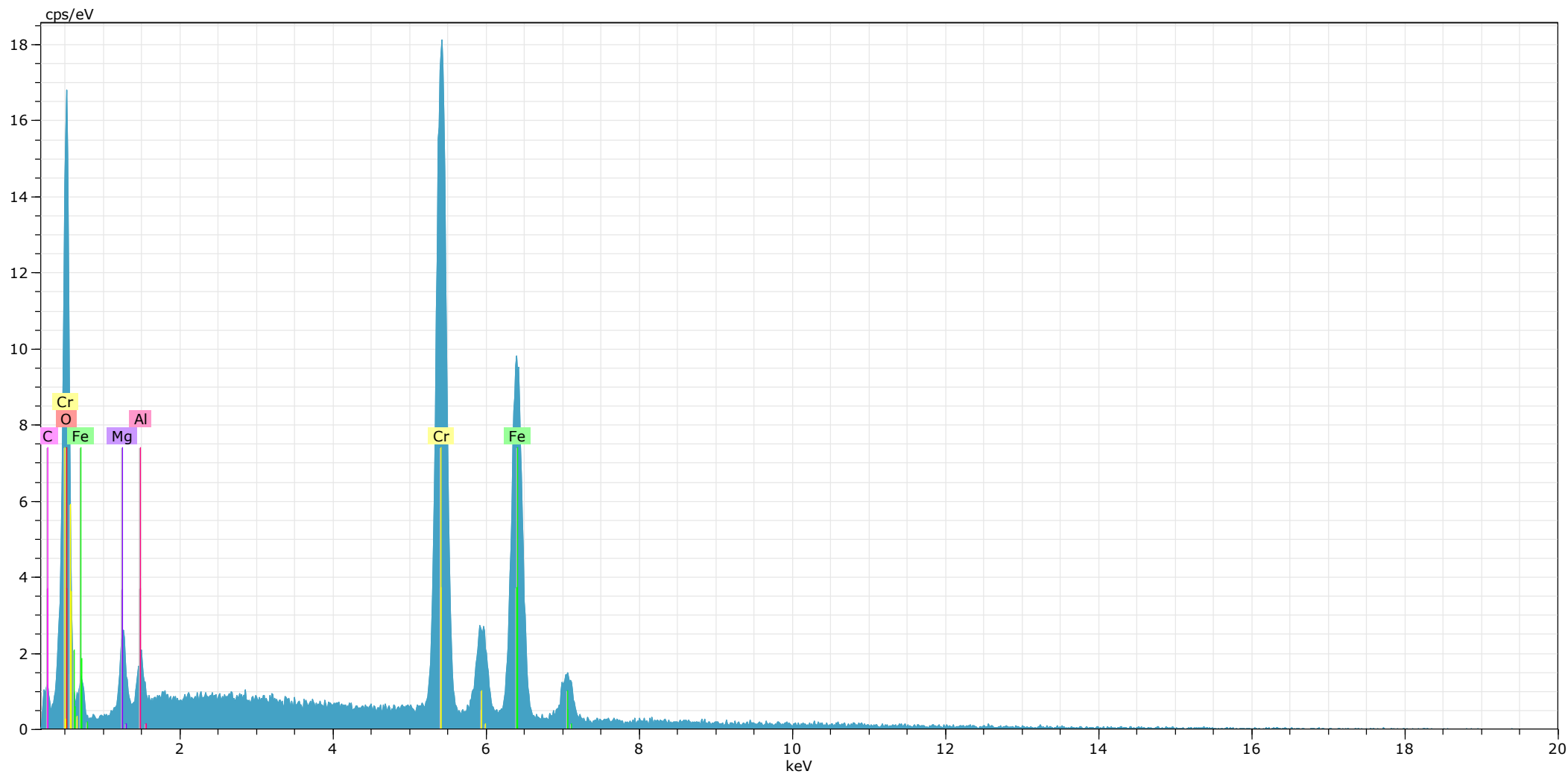


1288
Date:5/7/2014 9:26:46 AM
Image size:1000 x 750
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HV:20.0kV



8.1-2 12 Date:5/7/2014 9:29:30 AMHV:20.0kV Puls th.:14.65kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.02	5.77	14.61	1.47
O	8	K-series	26.21	25.14	47.76	3.62
Cr	24	K-series	0.93	0.89	0.52	0.06
Fe	26	K-series	71.08	68.19	37.11	1.94
Total:			104.23	100.00	100.00	

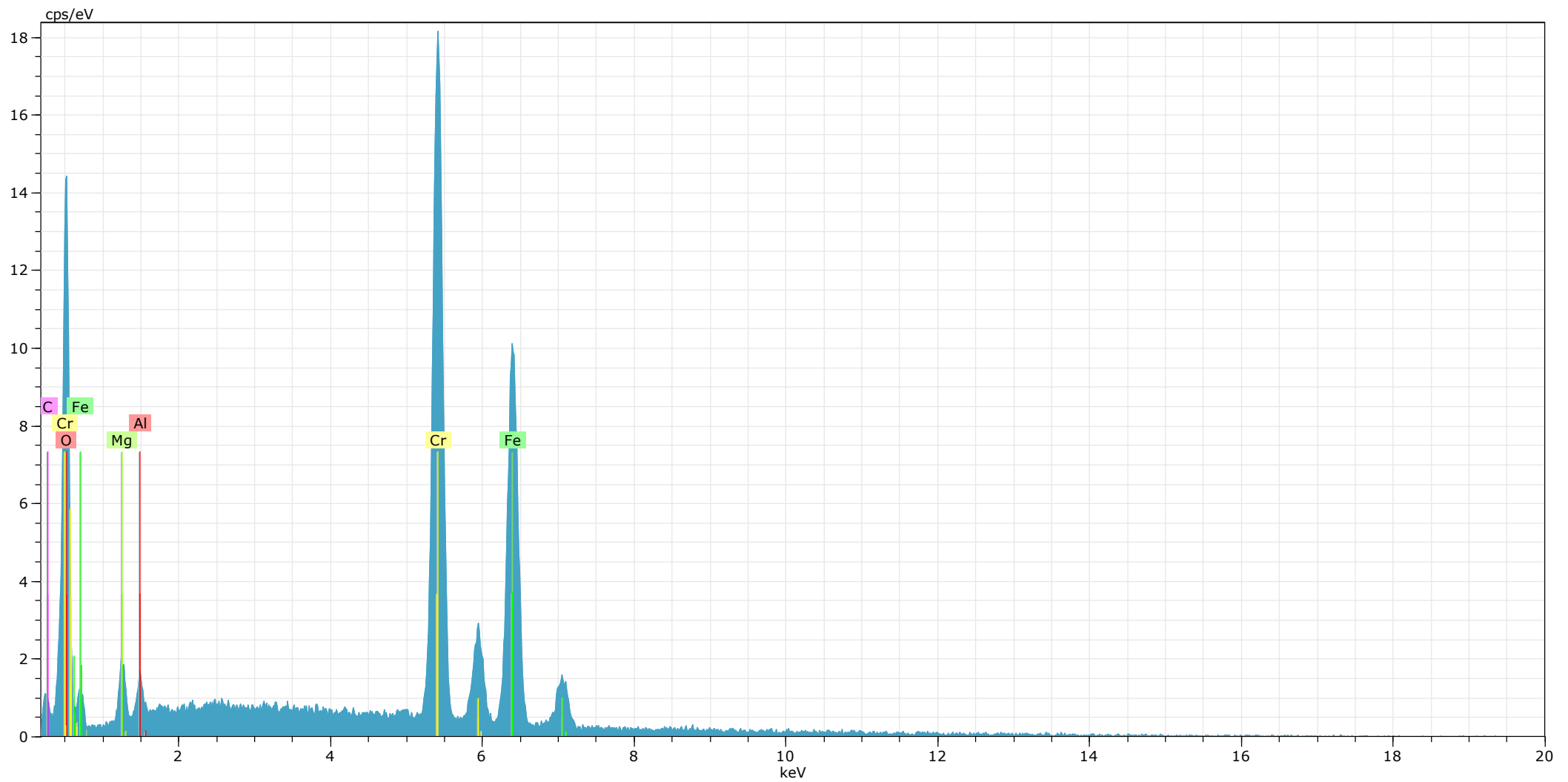


8.1-2 13 Date:5/7/2014 9:29:41 AMHV:20.0kV Puls th.:14.34kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
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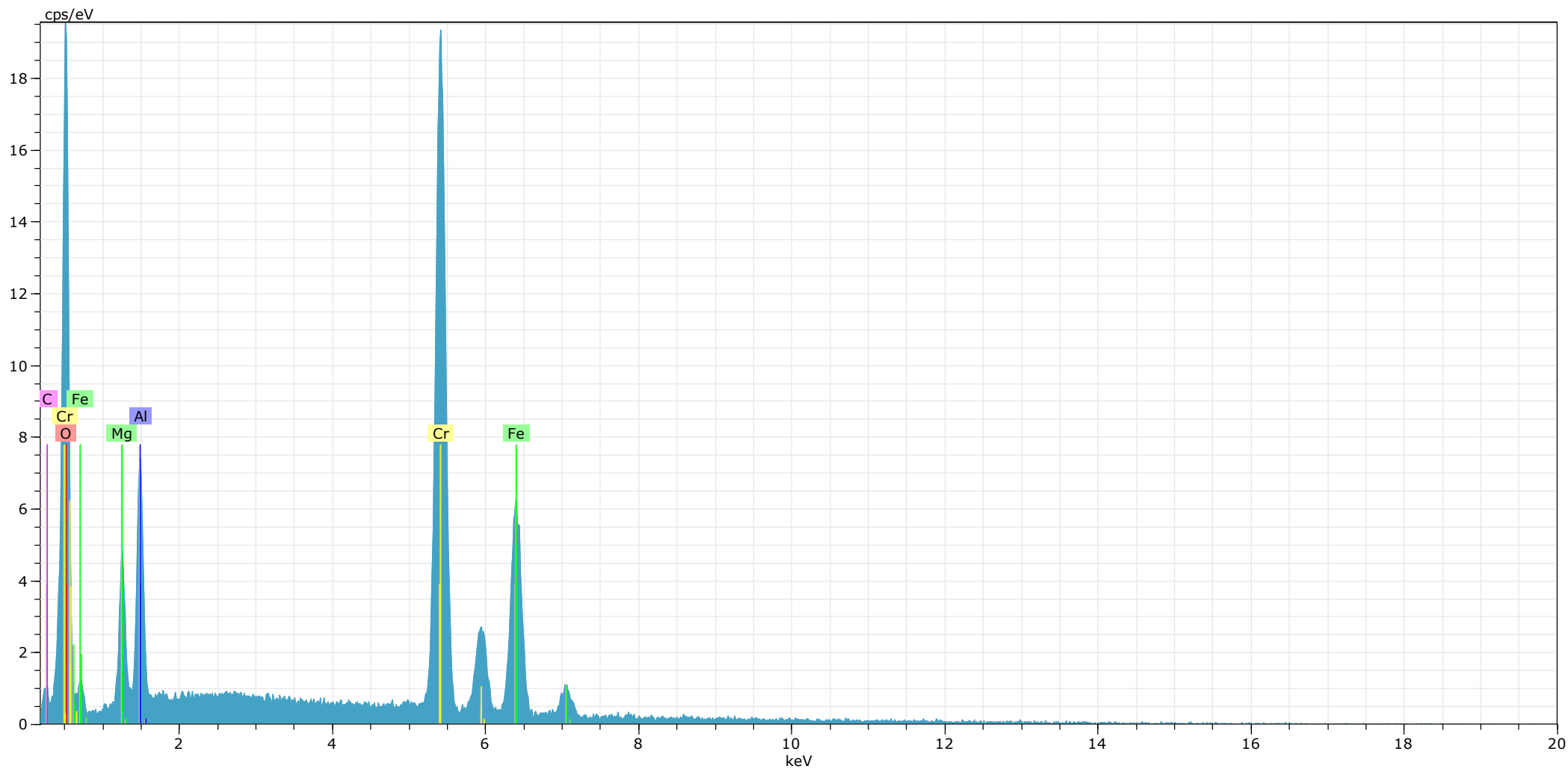
C	6	K-series	5.15	5.51	13.06	1.27
O	8	K-series	25.24	27.01	48.04	3.44
Mg	12	K-series	3.38	3.62	4.23	0.24
Al	13	K-series	1.53	1.64	1.73	0.12
Cr	24	K-series	30.34	32.47	17.77	0.86
Fe	26	K-series	27.79	29.74	15.16	0.80

Total: 93.44 100.00 100.00



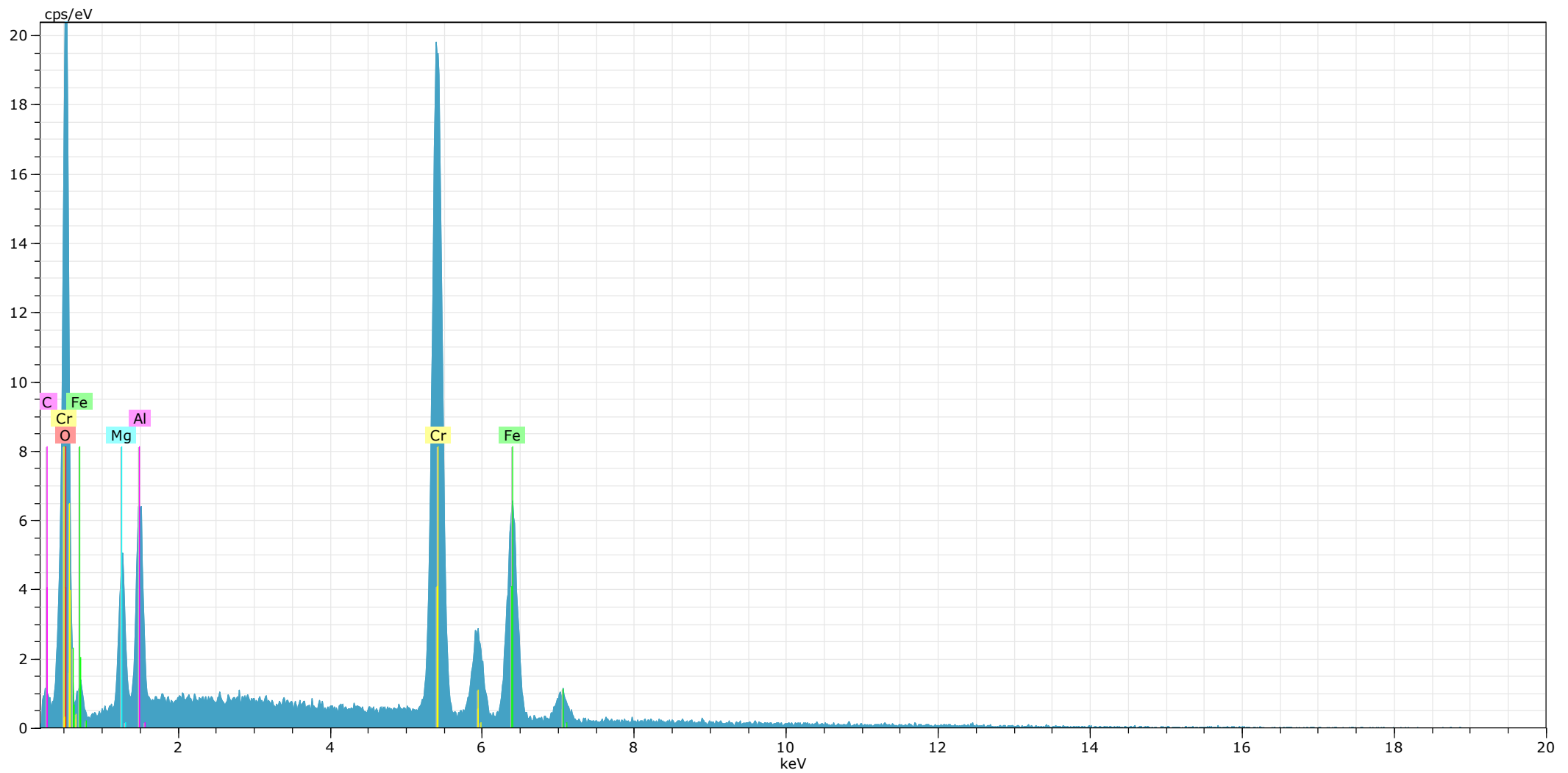
8.1-2 14 Date:5/7/2014 9:29:52 AMHV:20.0kV Puls th.:13.86kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.05	5.79	14.02	1.24
O	8	K-series	22.09	25.31	46.01	3.06
Mg	12	K-series	2.66	3.05	3.65	0.20
Al	13	K-series	1.23	1.41	1.52	0.11
Cr	24	K-series	28.07	32.16	17.99	0.80
Fe	26	K-series	28.16	32.27	16.81	0.81
Total:			87.26	100.00	100.00	



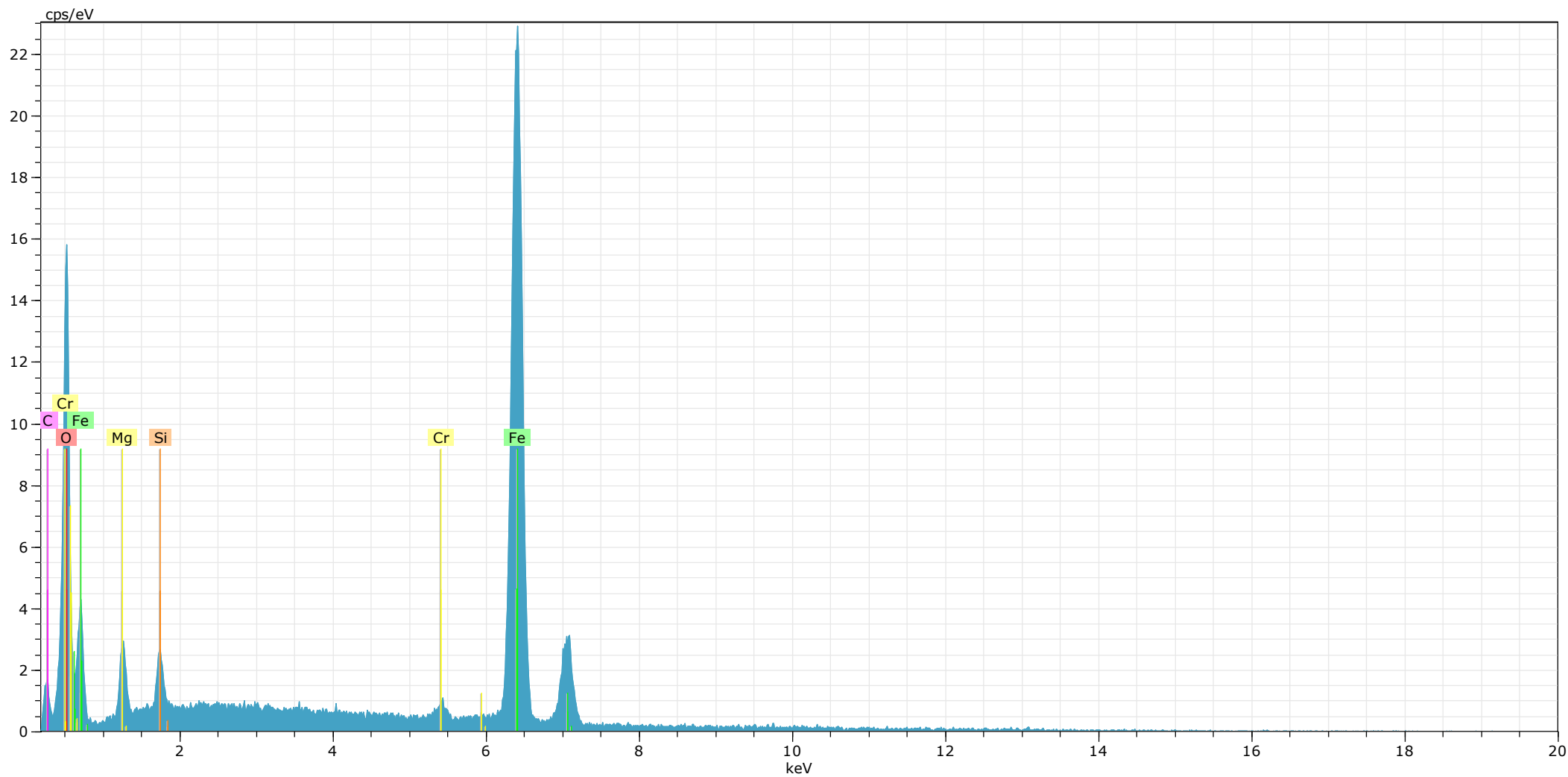
8.1-2 15 Date:5/7/2014 9:30:03 AMHV:20.0kV Puls th.:14.59kcps

El	AN	Series	unn. [wt.%]	C norm. [wt.%]	C Atom. [at.%]	C Error (1 Sigma) [wt.%]
C	6	K-series	4.96	5.40	11.78	1.25
O	8	K-series	28.84	31.41	51.44	3.85
Mg	12	K-series	4.07	4.43	4.77	0.27
Al	13	K-series	5.95	6.48	6.30	0.33
Cr	24	K-series	31.05	33.81	17.04	0.88
Fe	26	K-series	16.97	18.48	8.67	0.51
Total:			91.84	100.00	100.00	



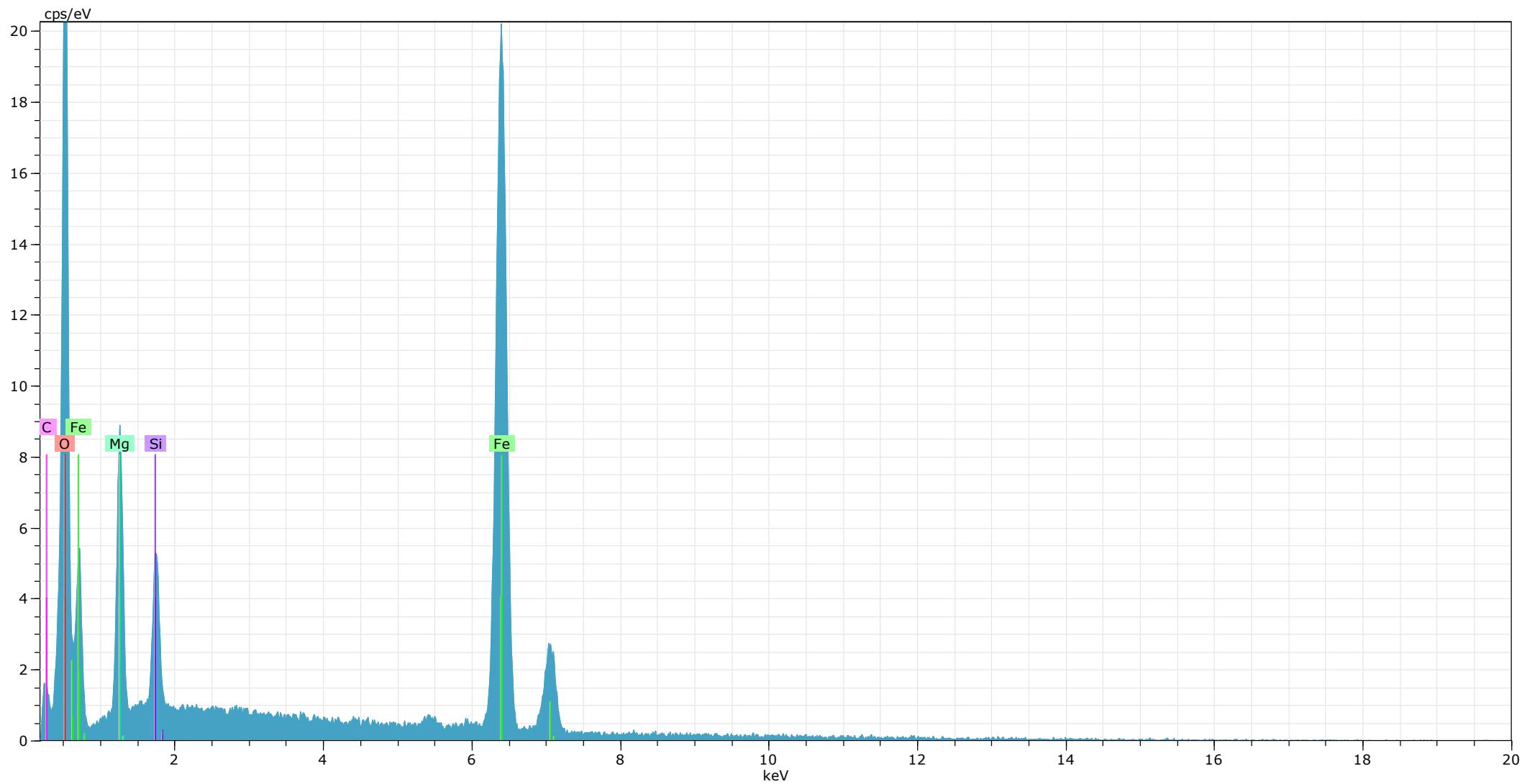
8.1-2 16 Date:5/7/2014 9:30:14 AMHV:20.0kV Puls th.:15.05kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.29	5.58	11.96	1.29
O	8	K-series	31.44	33.14	53.32	4.13
Mg	12	K-series	4.17	4.40	4.66	0.28
Al	13	K-series	5.16	5.44	5.19	0.29
Cr	24	K-series	32.13	33.88	16.77	0.91
Fe	26	K-series	16.65	17.55	8.09	0.50
Total:			94.85	100.00	100.00	



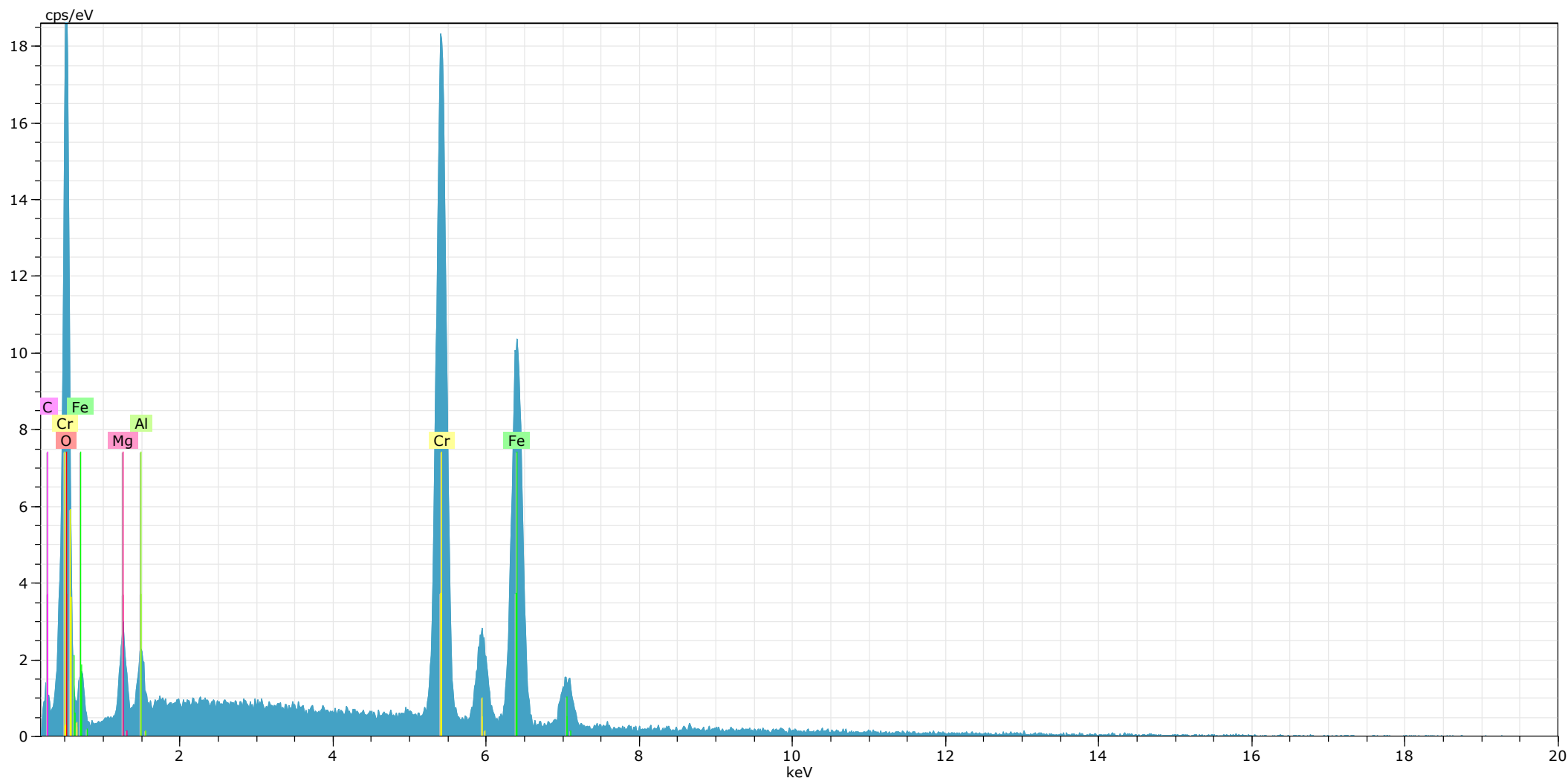
8.1-2 17 Date:5/7/2014 9:30:25 AMHV:20.0kV Puls th.:14.04kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	9.15	8.41	19.16	1.99
O	8	K-series	29.84	27.43	46.92	4.08
Mg	12	K-series	3.20	2.94	3.31	0.23
Si	14	K-series	1.29	1.19	1.16	0.09
Cr	24	K-series	0.76	0.70	0.37	0.06
Fe	26	K-series	64.56	59.34	29.08	1.77
Total:			108.80	100.00	100.00	



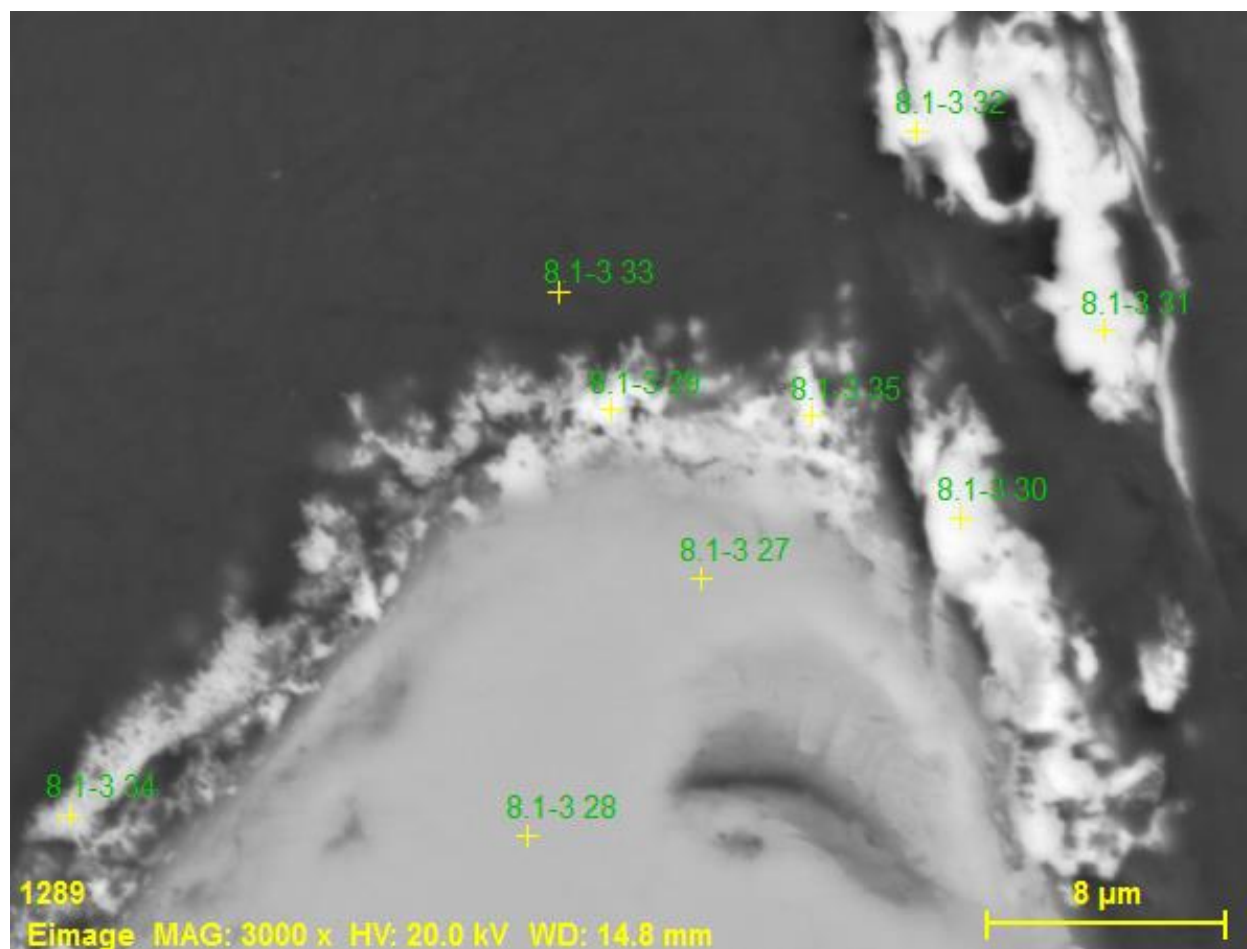
8.1-2 18 Date:5/7/2014 9:30:36 AMHV:20.0kV Puls th.:15.46kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	8.80	7.70	15.85	1.92
O	8	K-series	40.79	35.71	55.17	5.30
Mg	12	K-series	6.03	5.28	5.37	0.37
Si	14	K-series	2.33	2.04	1.79	0.14
Fe	26	K-series	56.29	49.28	21.81	1.55
Total:			114.23	100.00	100.00	

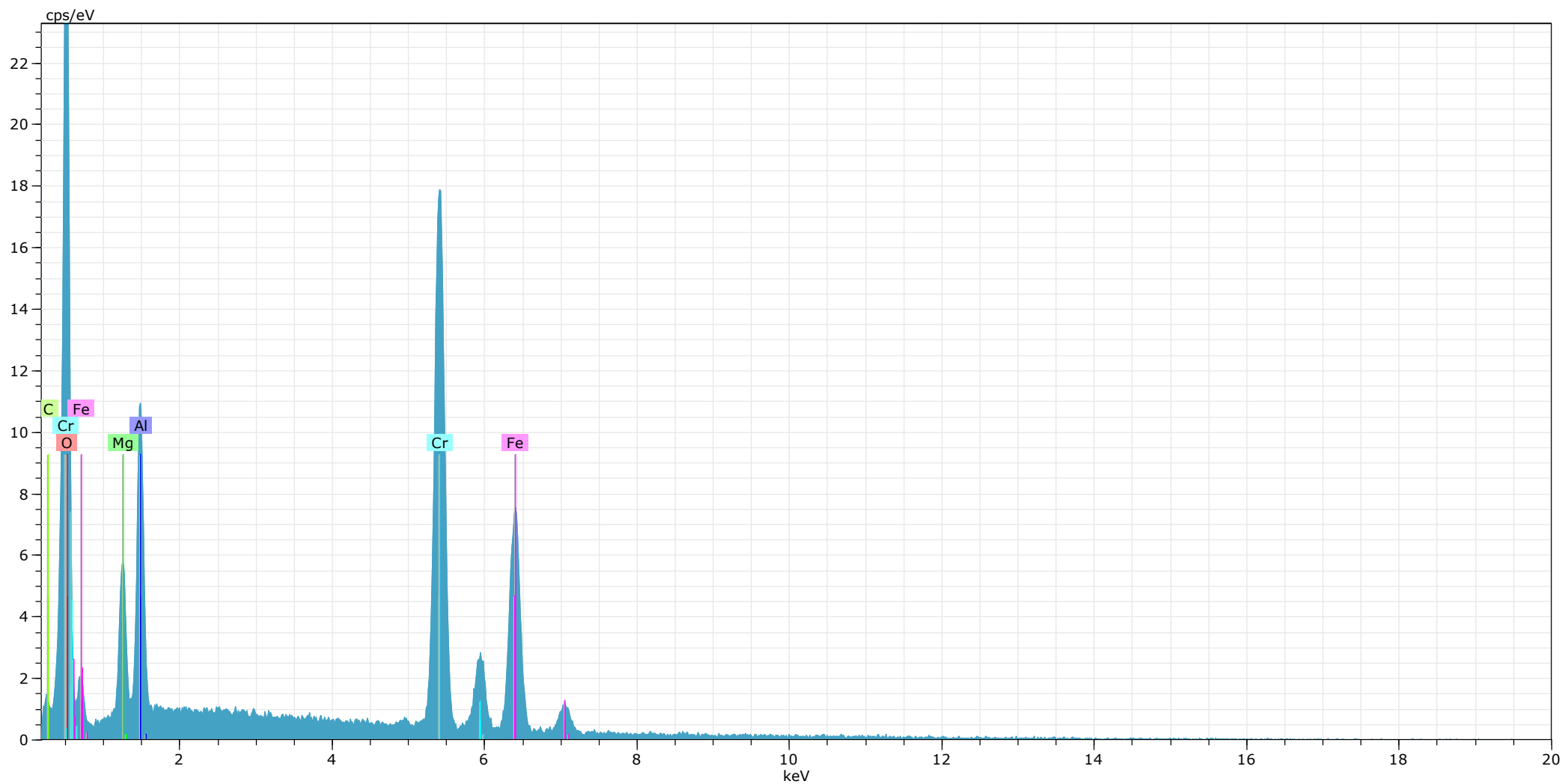


8.1-2 19 Date:5/7/2014 9:30:47 AMHV:20.0kV Puls th.:14.93kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.15	5.49	12.67	1.25
O	8	K-series	27.94	29.81	51.63	3.73
Mg	12	K-series	2.47	2.63	3.00	0.18
Al	13	K-series	1.37	1.46	1.50	0.11
Cr	24	K-series	28.67	30.59	16.31	0.82
Fe	26	K-series	28.14	30.02	14.90	0.81
Total:			93.73	100.00	100.00	

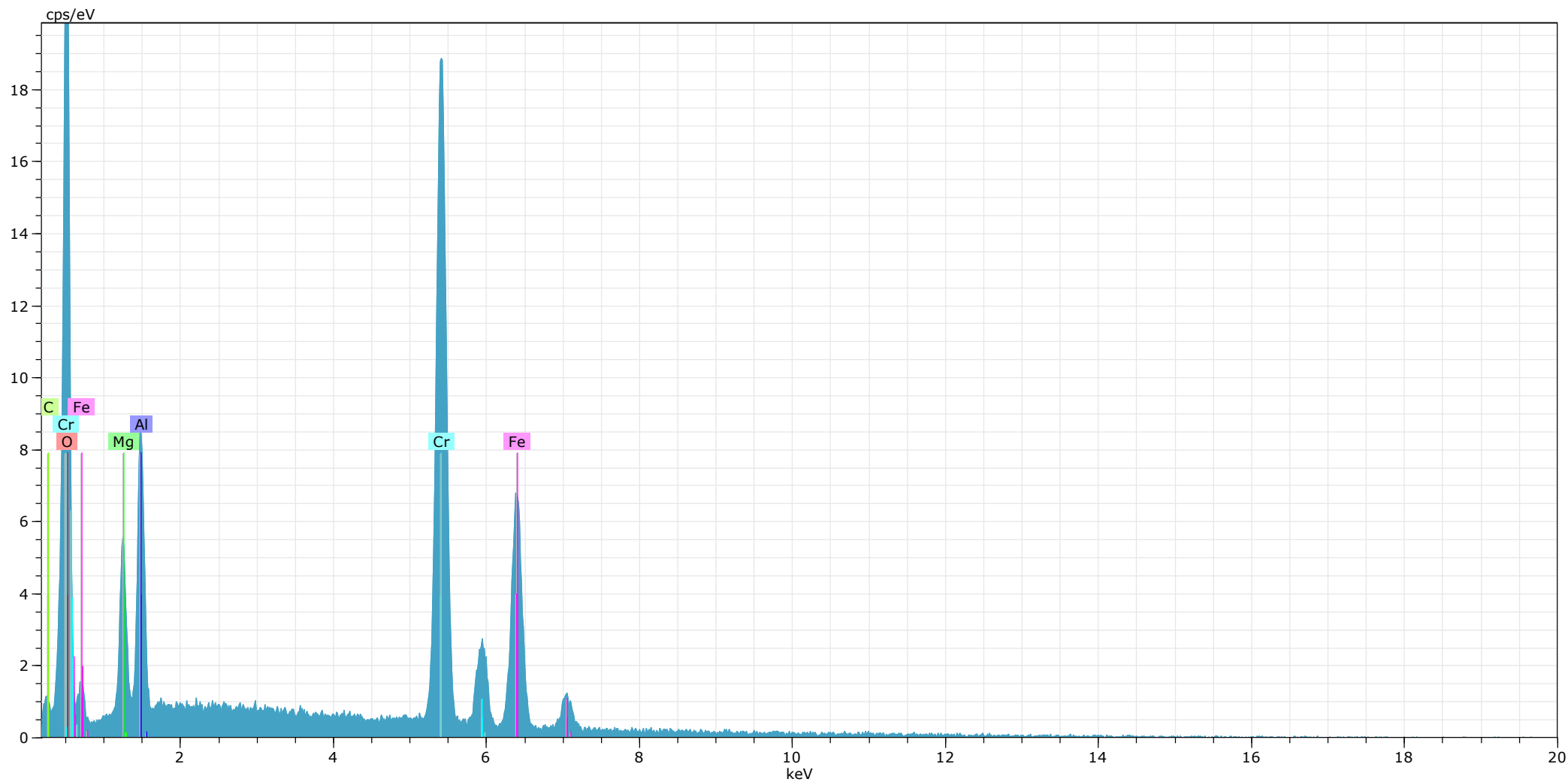


1289
Date:5/7/2014 9:35:01 AM
Image size:1000 x 750
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HV:20.0kV



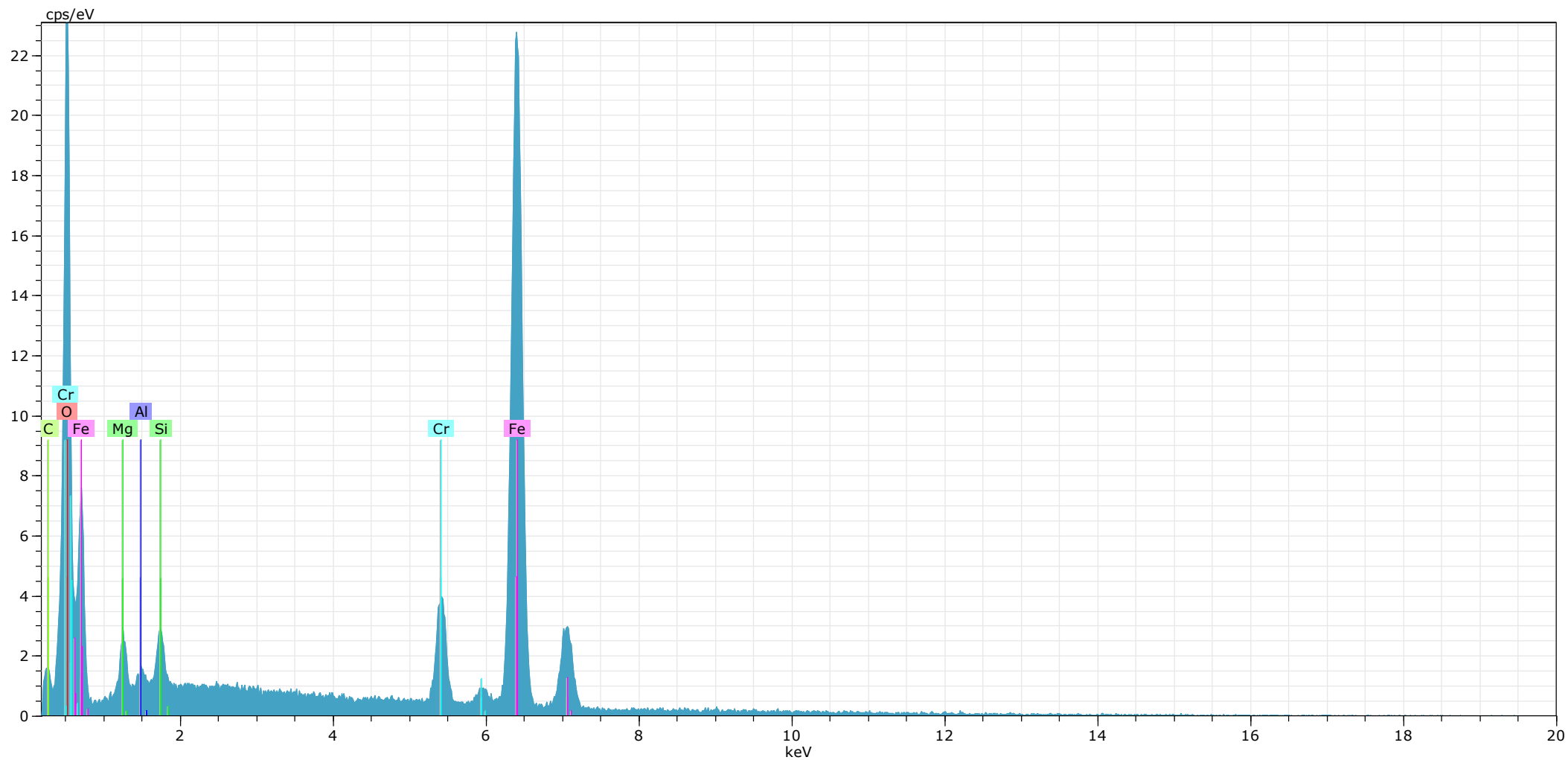
8.1-3 27 Date:5/7/2014 9:38:00 AMHV:20.0kV Puls th.:16.89kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.29	6.07	12.34	1.45
O	8	K-series	38.98	37.58	57.39	4.97
Mg	12	K-series	3.45	3.32	3.34	0.23
Al	13	K-series	6.30	6.07	5.50	0.34
Cr	24	K-series	28.75	27.73	13.03	0.82
Fe	26	K-series	19.94	19.23	8.41	0.59
Total:			103.71	100.00	100.00	



8.1-3 28 Date:5/7/2014 9:38:11 AMHV:20.0kV Puls th.:15.81kcps

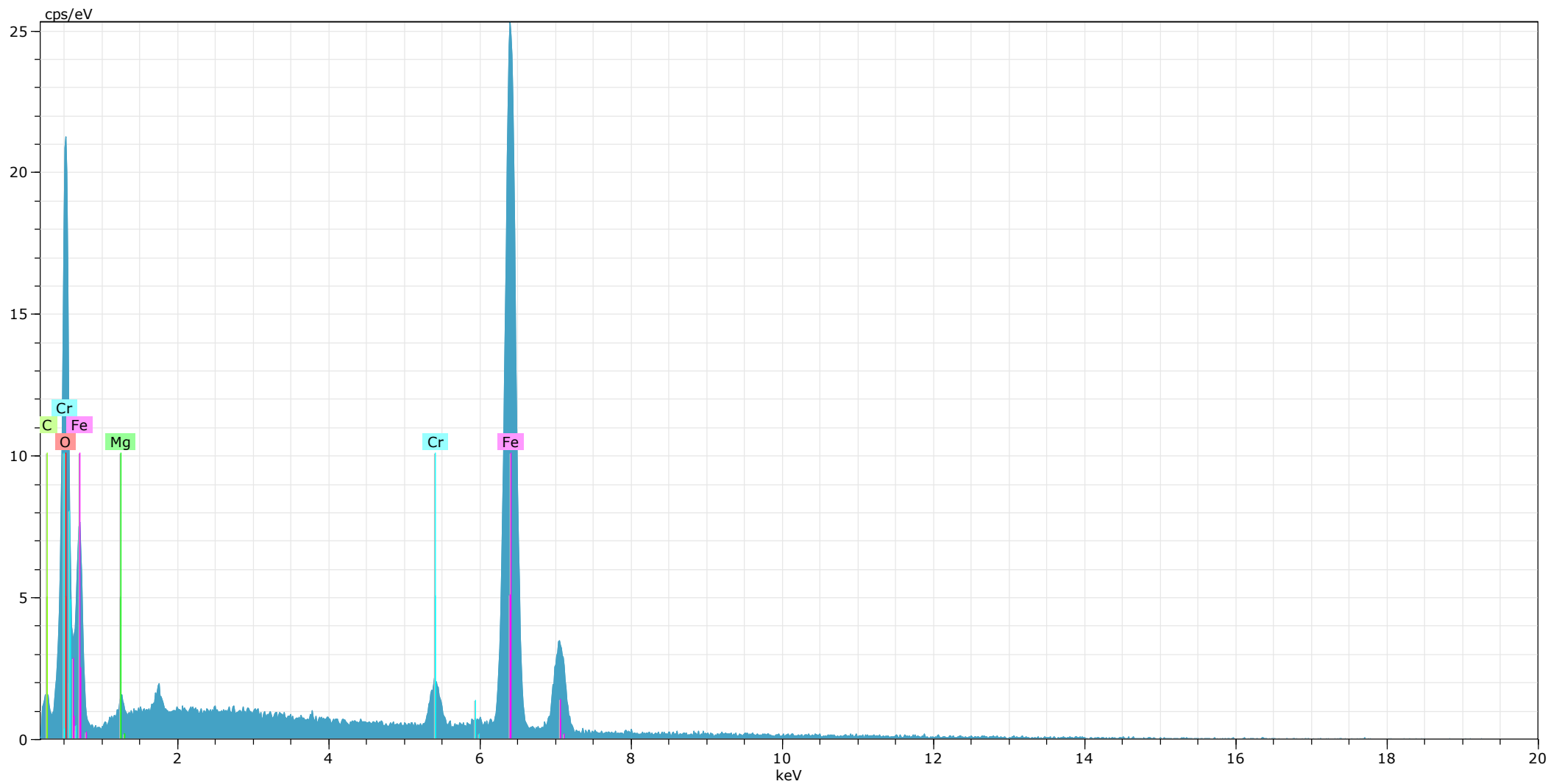
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.23	5.29	11.13	1.29
O	8	K-series	34.63	34.98	55.30	4.49
Mg	12	K-series	4.24	4.28	4.46	0.28
Al	13	K-series	6.07	6.13	5.75	0.33
Cr	24	K-series	30.70	31.01	15.08	0.87
Fe	26	K-series	18.12	18.30	8.29	0.54
Total:			99.00	100.00	100.00	



8.1-3 29 Date:5/7/2014 9:38:21 AMHV:20.0kV Puls th.:16.56kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	8.19	7.10	15.68	1.79
O	8	K-series	37.20	32.21	53.44	4.86
Mg	12	K-series	2.11	1.83	1.99	0.16
Al	13	K-series	0.59	0.51	0.50	0.07
Si	14	K-series	1.16	1.00	0.95	0.09
Cr	24	K-series	5.37	4.65	2.38	0.19
Fe	26	K-series	60.87	52.70	25.05	1.67

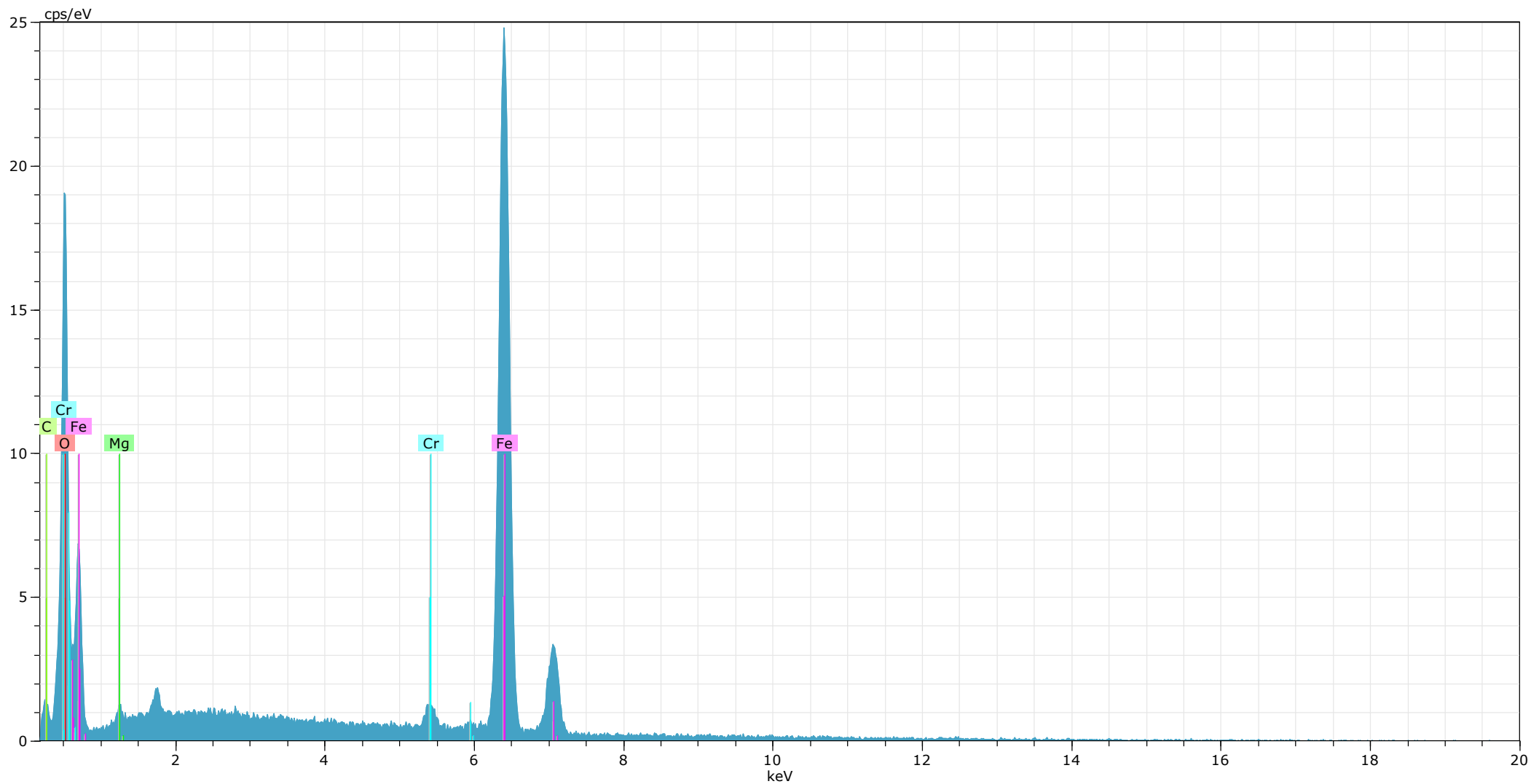
Total:			115.49	100.00	100.00	



8.1-3 30 Date:5/7/2014 9:38:32 AMHV:20.0kV Puls th.:16.43kcps

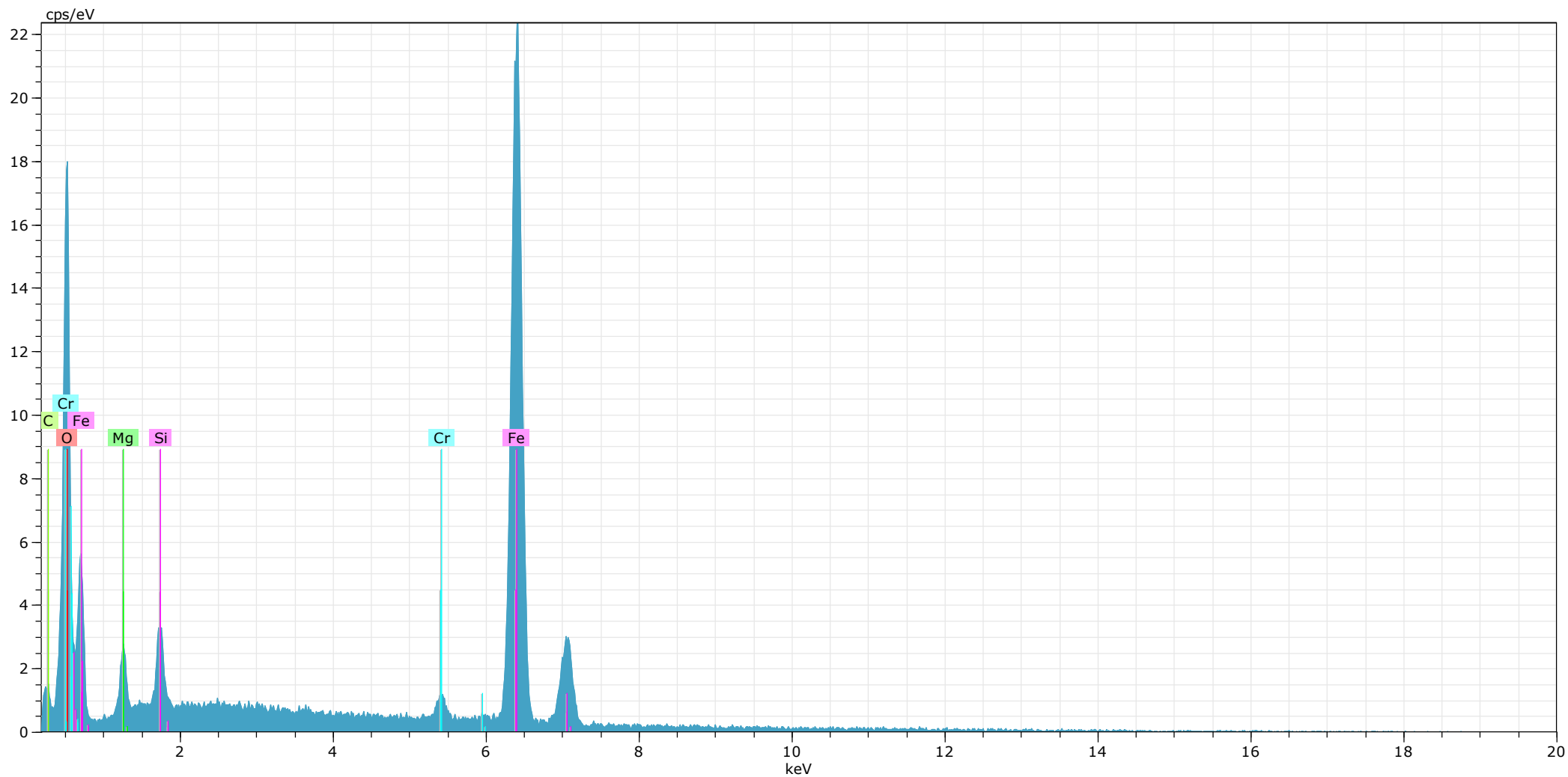
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	8.31	7.35	16.67	1.79
O	8	K-series	35.09	31.03	52.83	4.62
Mg	12	K-series	0.67	0.59	0.66	0.08
Cr	24	K-series	2.34	2.07	1.09	0.10
Fe	26	K-series	66.67	58.96	28.75	1.82

Total:			113.09	100.00	100.00	



8.1-3 31 Date:5/7/2014 9:38:43 AMHV:20.0kV Puls th.:15.54kcps

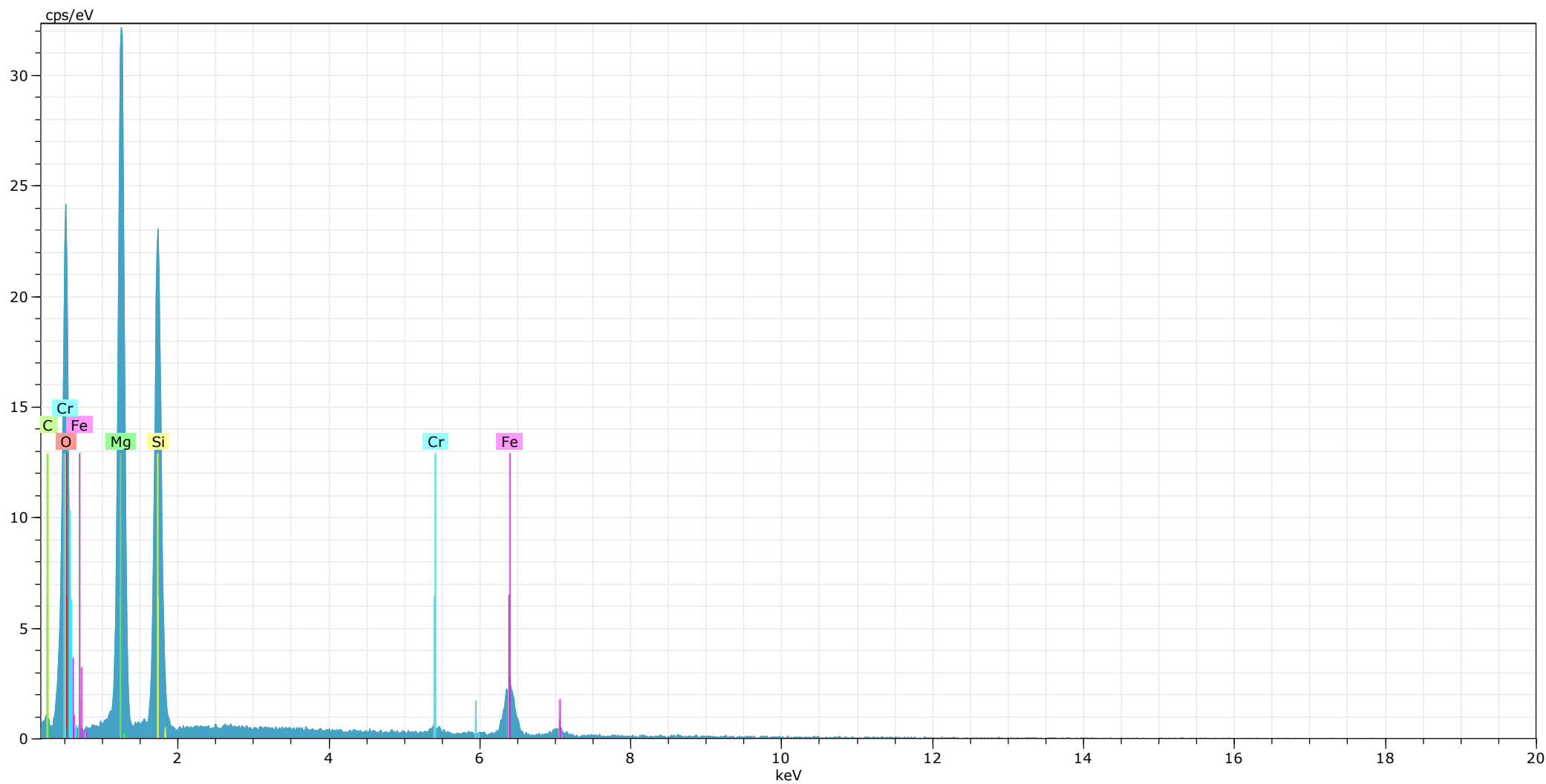
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.21	6.50	15.27	1.66
O	8	K-series	32.68	29.47	51.93	4.37
Mg	12	K-series	0.73	0.66	0.77	0.09
Cr	24	K-series	1.26	1.14	0.62	0.07
Fe	26	K-series	69.02	62.23	31.42	1.89
Total:			110.91	100.00	100.00	



8.1-3 32 Date:5/7/2014 9:38:53 AMHV:20.0kV Puls th.:14.61kcps

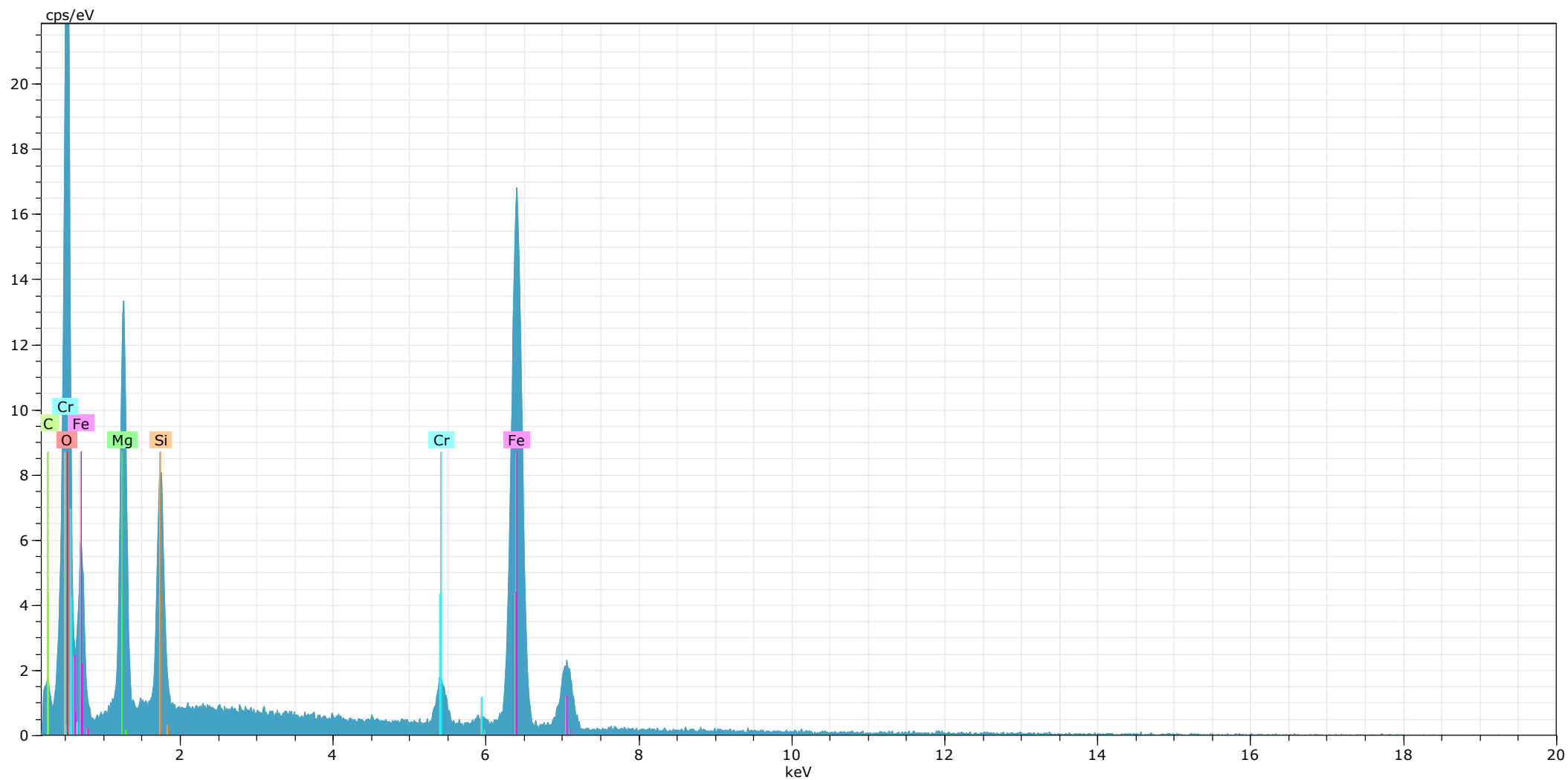
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	8.88	7.66	17.18	1.98
O	8	K-series	34.89	30.06	50.64	4.69
Mg	12	K-series	2.53	2.18	2.41	0.19
Si	14	K-series	1.76	1.52	1.46	0.11
Cr	24	K-series	1.25	1.07	0.56	0.08
Fe	26	K-series	66.75	57.52	27.76	1.83

Total:			116.05	100.00	100.00	



8.1-3 33 Date:5/7/2014 9:39:04 AMHV:20.0kV Puls th.:14.07kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.83	8.07	12.98	1.69
O	8	K-series	39.91	47.13	56.95	5.18
Mg	12	K-series	17.85	21.08	16.76	1.01
Si	14	K-series	12.54	14.81	10.20	0.57
Cr	24	K-series	0.62	0.73	0.27	0.06
Fe	26	K-series	6.93	8.18	2.83	0.24
Total:			84.68	100.00	100.00	

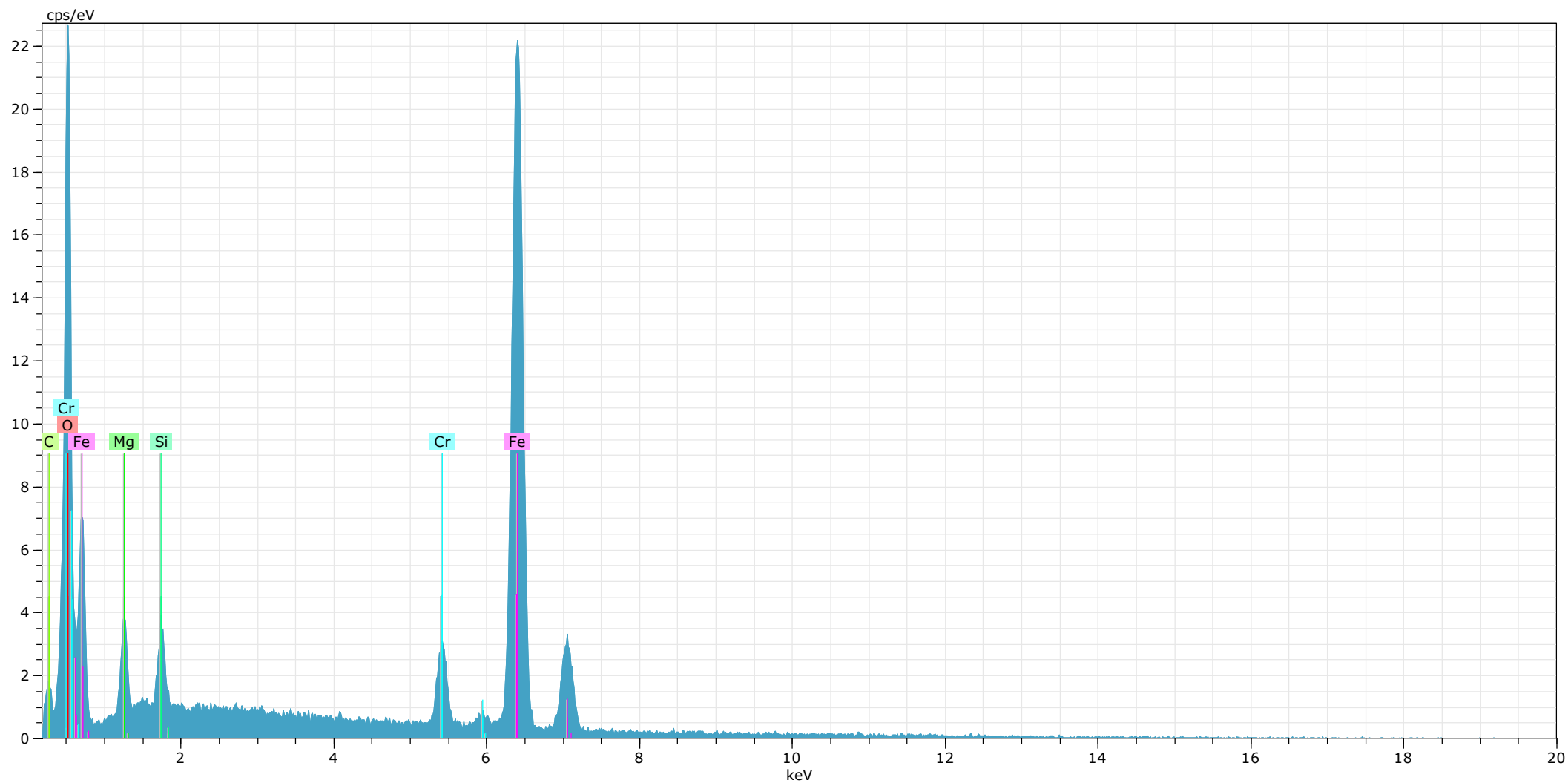


8.1-3 34 Date:5/7/2014 9:39:14 AMHV:20.0kV Puls th.:15.88kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
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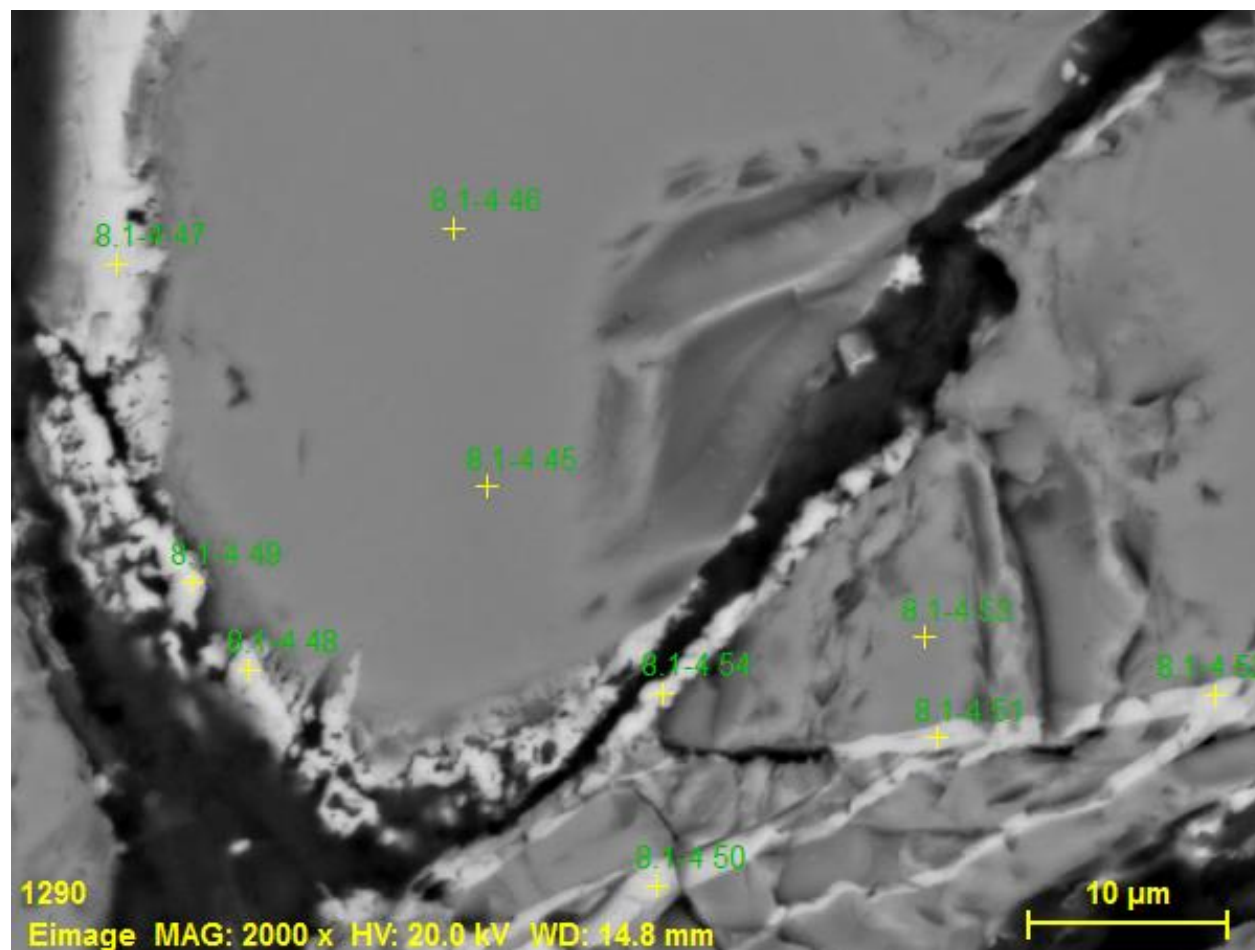
C	6	K-series	9.71	8.02	15.54	2.09
O	8	K-series	47.52	39.23	57.07	6.08
Mg	12	K-series	9.03	7.46	7.14	0.54
Si	14	K-series	3.86	3.19	2.64	0.20
Cr	24	K-series	2.25	1.86	0.83	0.11
Fe	26	K-series	48.75	40.25	16.77	1.35

Total: 121.13 100.00 100.00

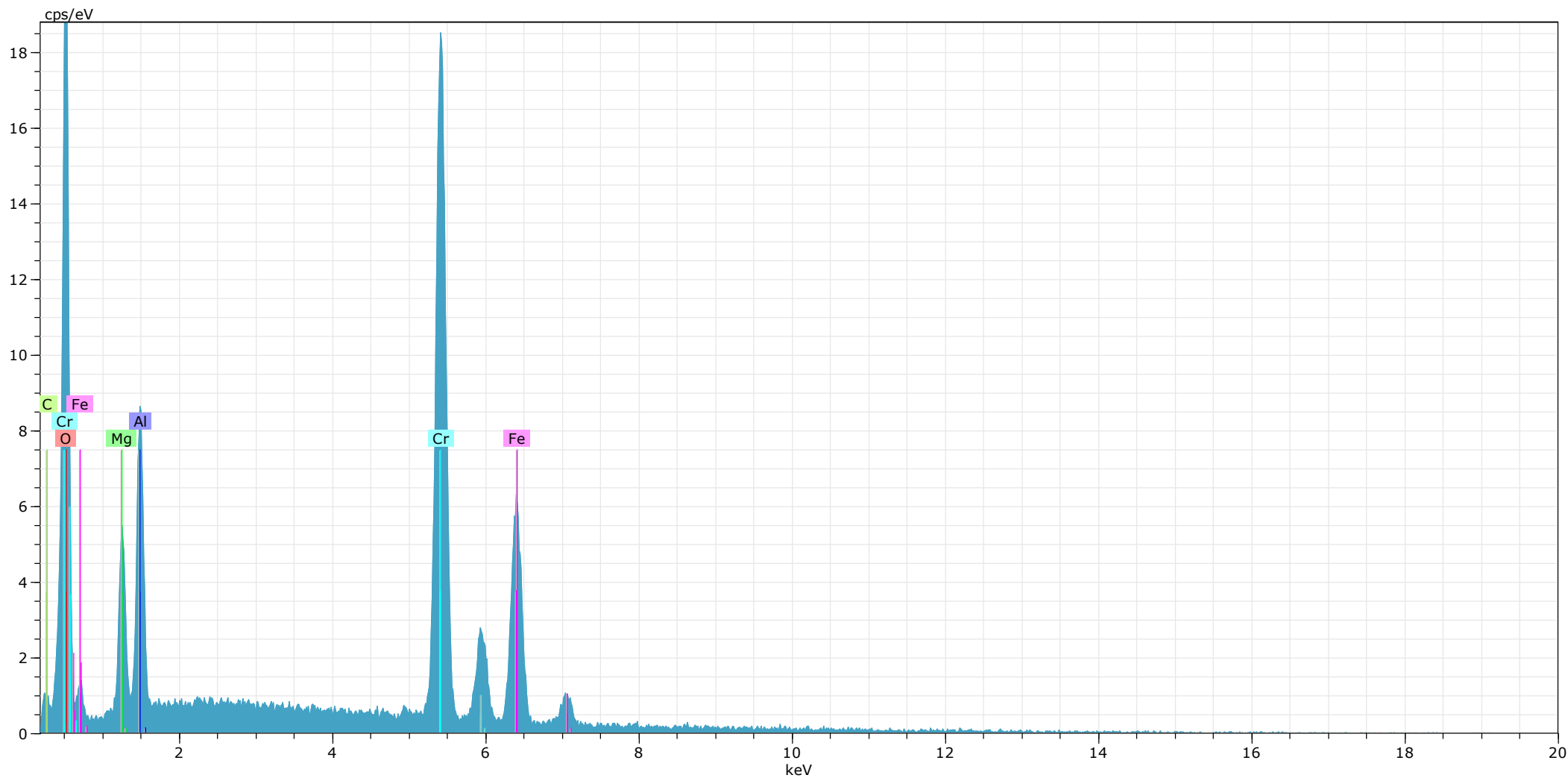


8.1-3 35 Date:5/7/2014 9:39:25 AM HV:20.0kV Puls th.:16.39kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	8.92	7.71	16.73	1.90
O	8	K-series	38.21	33.05	53.83	4.98
Mg	12	K-series	2.21	1.91	2.05	0.16
Si	14	K-series	1.31	1.13	1.05	0.09
Cr	24	K-series	3.90	3.38	1.69	0.15
Fe	26	K-series	61.07	52.82	24.65	1.68
Total:			115.63	100.00	100.00	

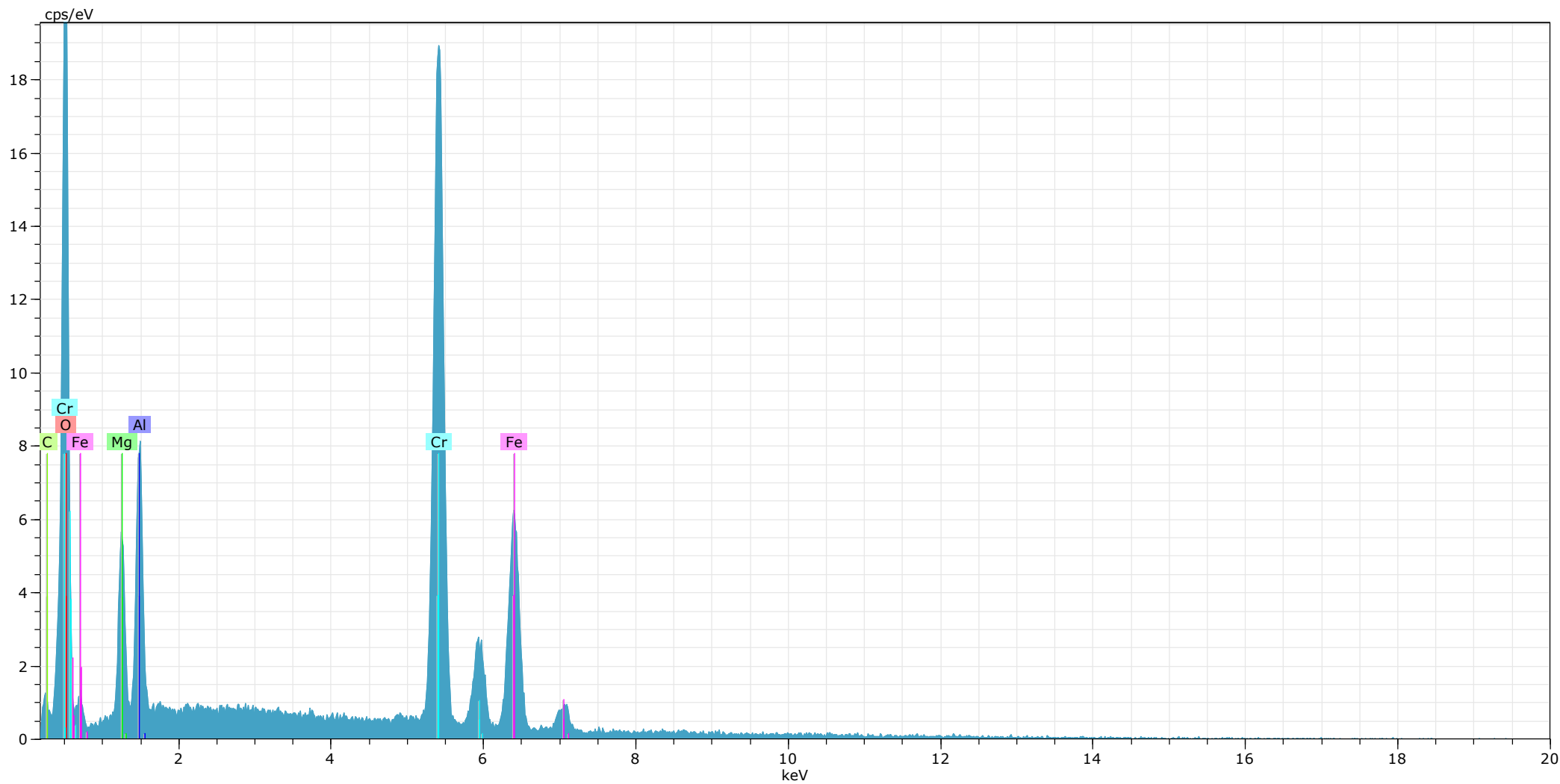


1290
Date:5/7/2014 9:44:40 AM
Image size:1000 x 750
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HV:20.0kV



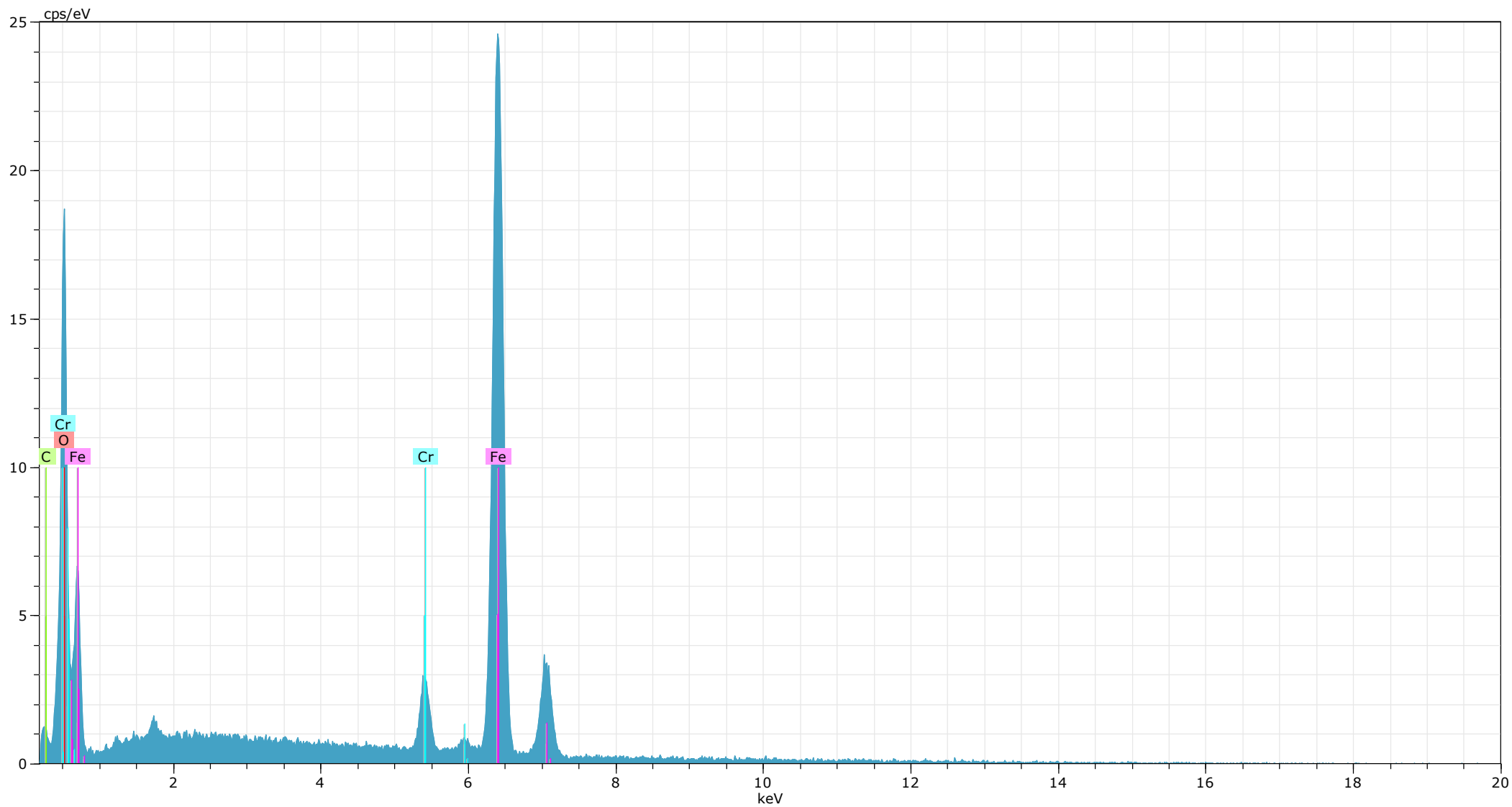
8.1-4 45 Date:5/7/2014 9:46:51 AMHV:20.0kV Puls th.:14.45kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.63	5.74	12.16	1.38
O	8	K-series	32.65	33.33	52.94	4.30
Mg	12	K-series	4.56	4.66	4.87	0.30
Al	13	K-series	6.73	6.87	6.47	0.37
Cr	24	K-series	31.24	31.88	15.58	0.89
Fe	26	K-series	17.16	17.52	7.97	0.52
Total:			97.98	100.00	100.00	



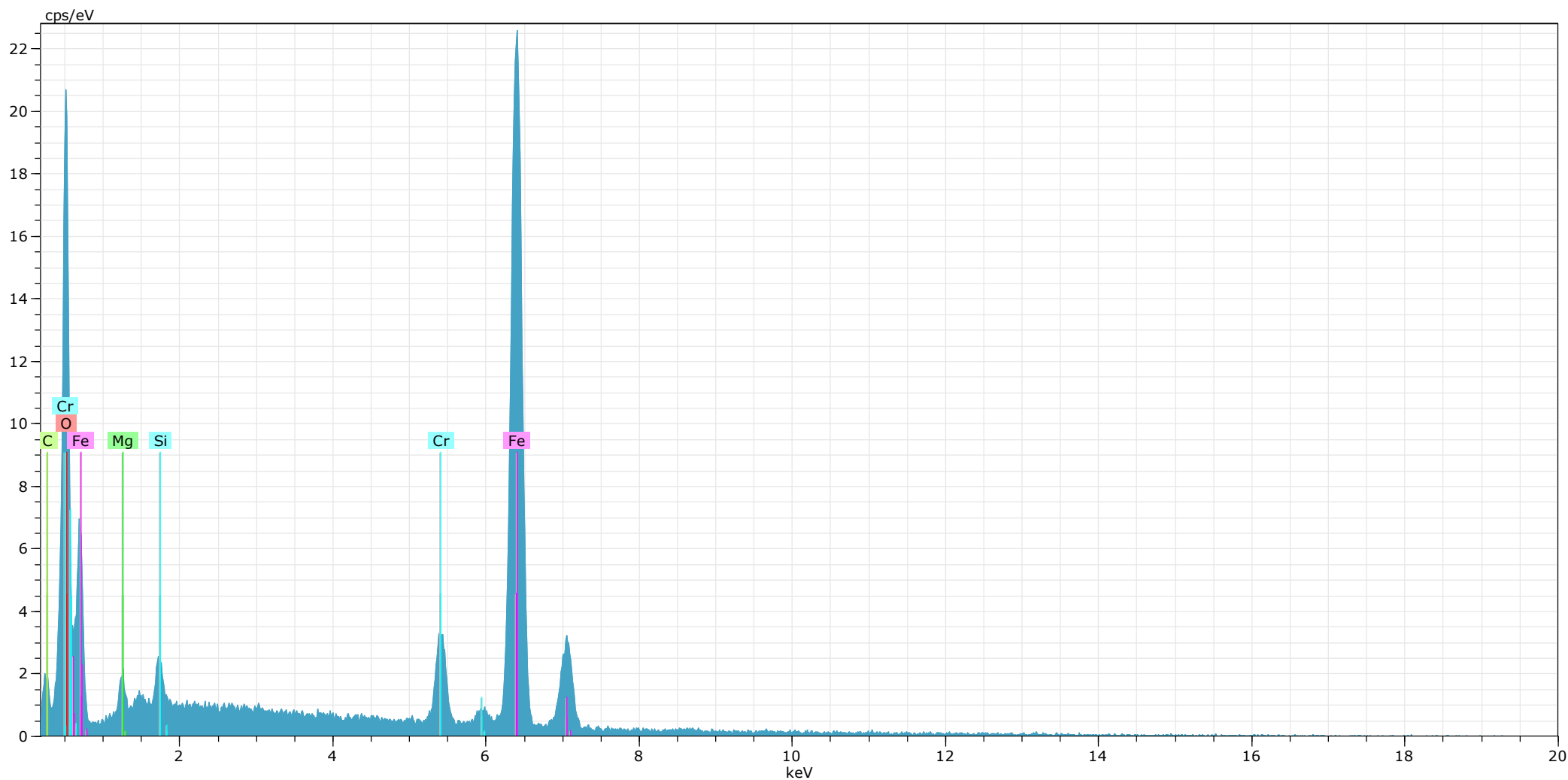
8.1-4 46 Date:5/7/2014 9:47:01 AMHV:20.0kV Puls th.:14.67kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.34	5.63	11.86	1.31
O	8	K-series	32.14	33.83	53.53	4.21
Mg	12	K-series	4.71	4.96	5.16	0.30
Al	13	K-series	6.21	6.53	6.13	0.34
Cr	24	K-series	30.36	31.95	15.56	0.86
Fe	26	K-series	16.25	17.10	7.75	0.49
Total:			95.01	100.00	100.00	



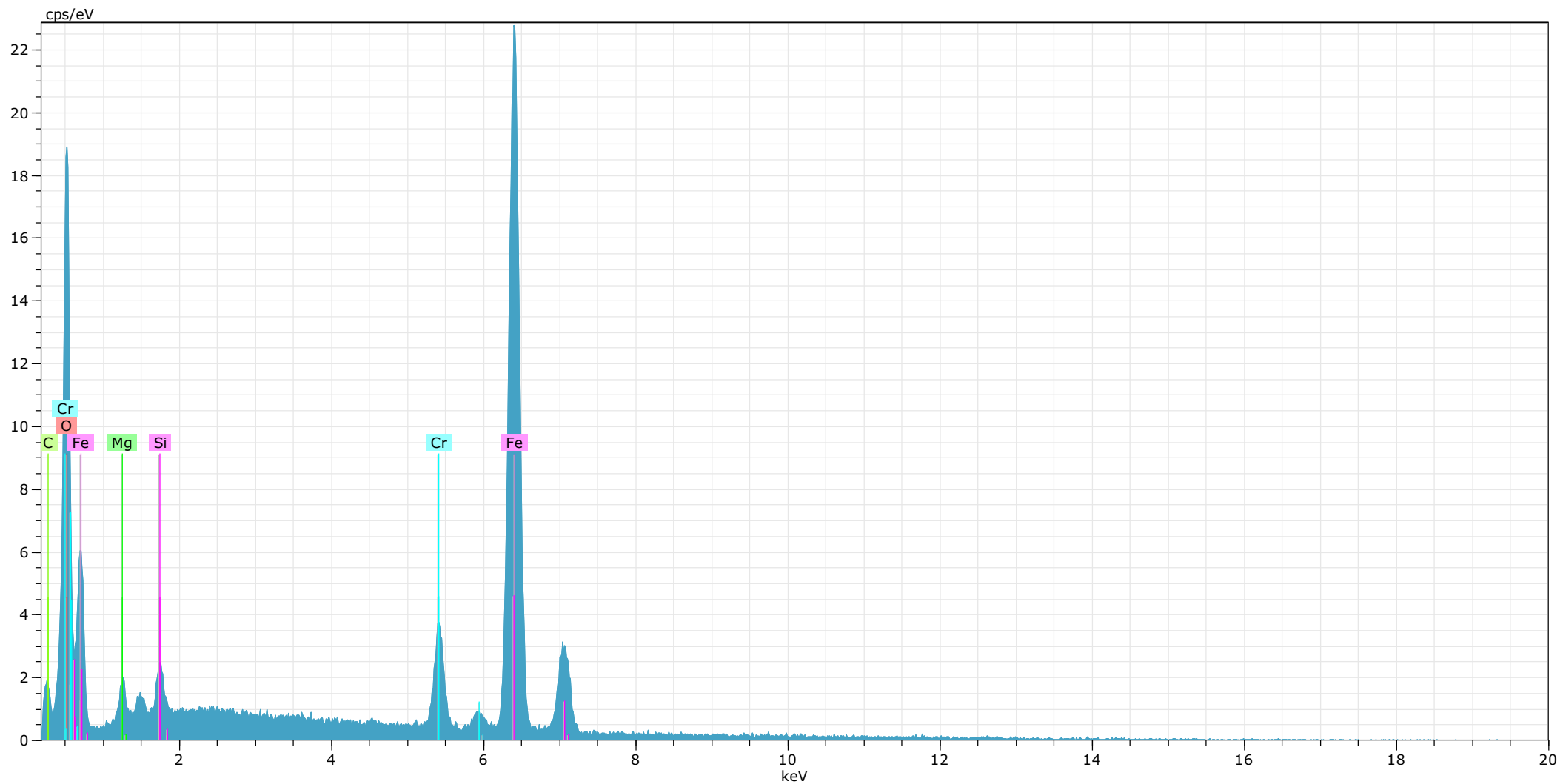
8.1-4 47 Date:5/7/2014 9:47:12 AMHV:20.0kV Puls th.:15.15kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.12	5.69	13.93	1.46
O	8	K-series	29.73	27.63	50.81	4.00
Cr	24	K-series	3.56	3.30	1.87	0.14
Fe	26	K-series	68.19	63.38	33.39	1.86
Total:			107.59	100.00	100.00	



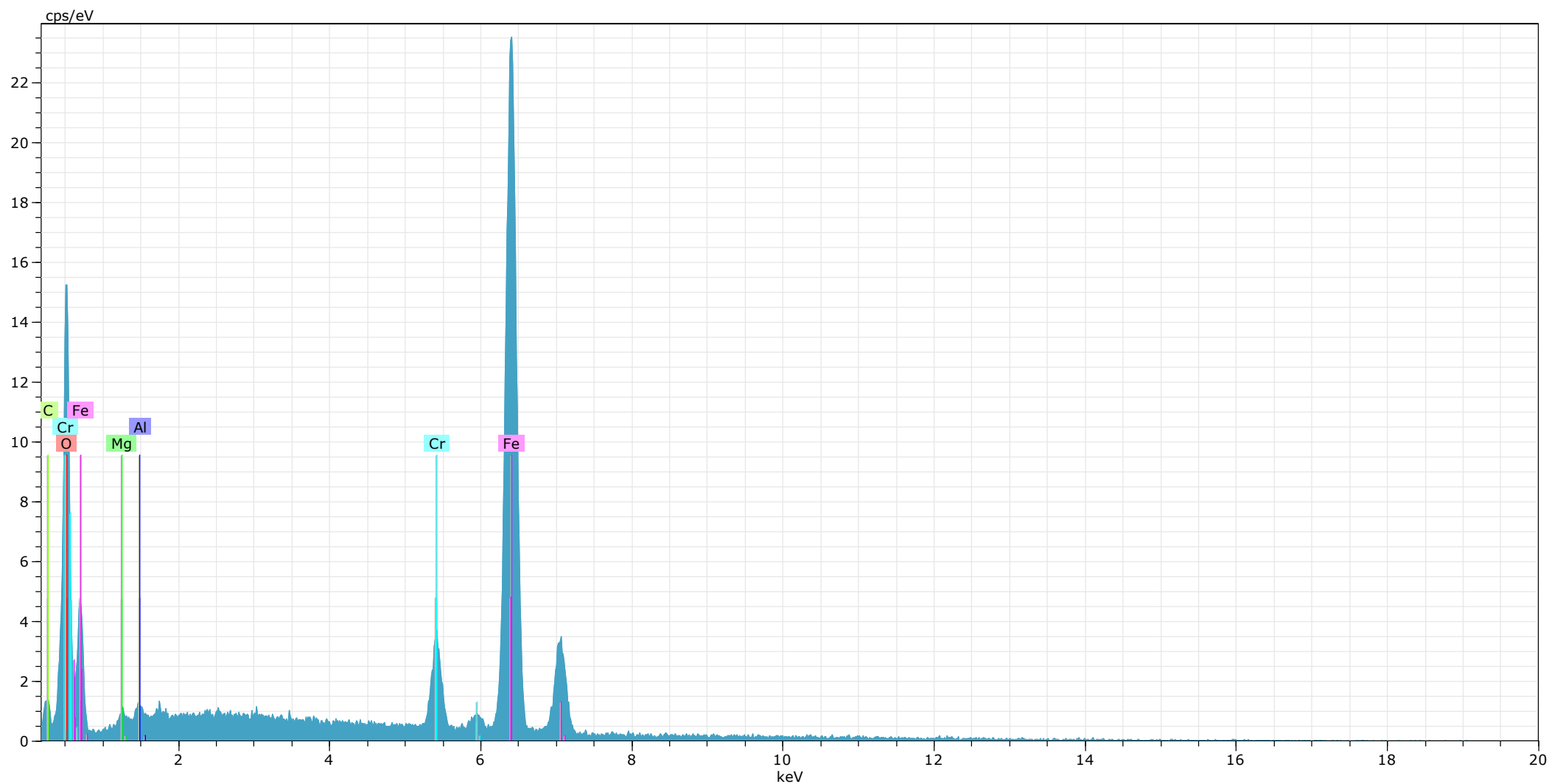
8.1-4 48 Date:5/7/2014 9:47:23 AMHV:20.0kV Puls th.:15.34kcps

El	AN	Series	unn. [wt.%]	C norm. [wt.%]	C Atom. [at.%]	C Error (1 Sigma) [wt.%]
C	6	K-series	10.41	8.95	19.58	2.13
O	8	K-series	36.16	31.08	51.05	4.78
Mg	12	K-series	1.19	1.02	1.11	0.11
Si	14	K-series	0.95	0.82	0.76	0.08
Cr	24	K-series	4.41	3.79	1.92	0.16
Fe	26	K-series	63.22	54.34	25.58	1.73
Total:			116.34	100.00	100.00	



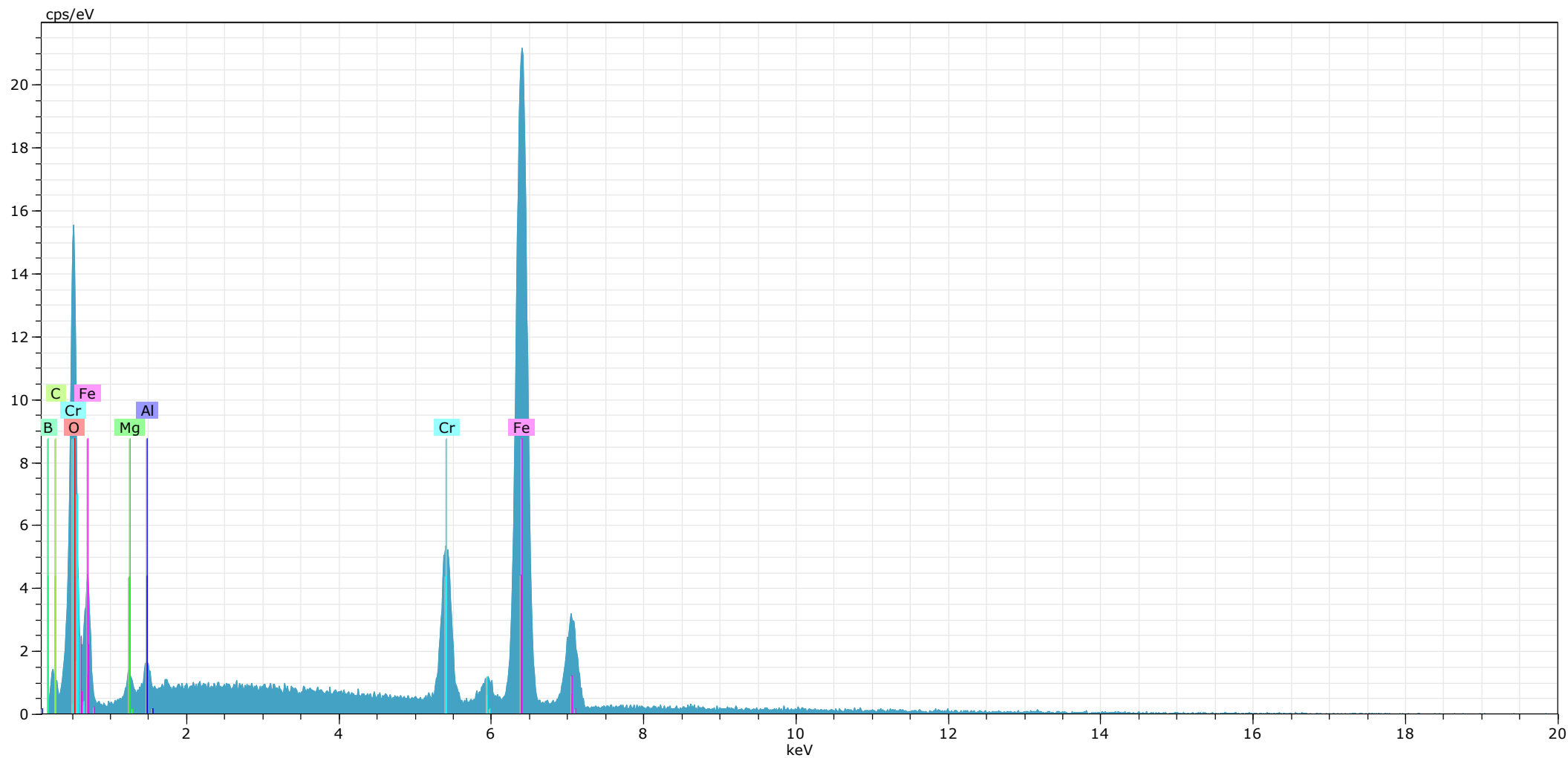
8.1-4 49 Date:5/7/2014 9:47:33 AMHV:20.0kV Puls th.:14.96kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	10.21	8.82	19.58	2.12
O	8	K-series	34.74	30.00	49.99	4.63
Mg	12	K-series	1.28	1.11	1.21	0.11
Si	14	K-series	0.94	0.81	0.77	0.08
Cr	24	K-series	4.93	4.25	2.18	0.18
Fe	26	K-series	63.69	55.01	26.26	1.75
Total:			115.78	100.00	100.00	



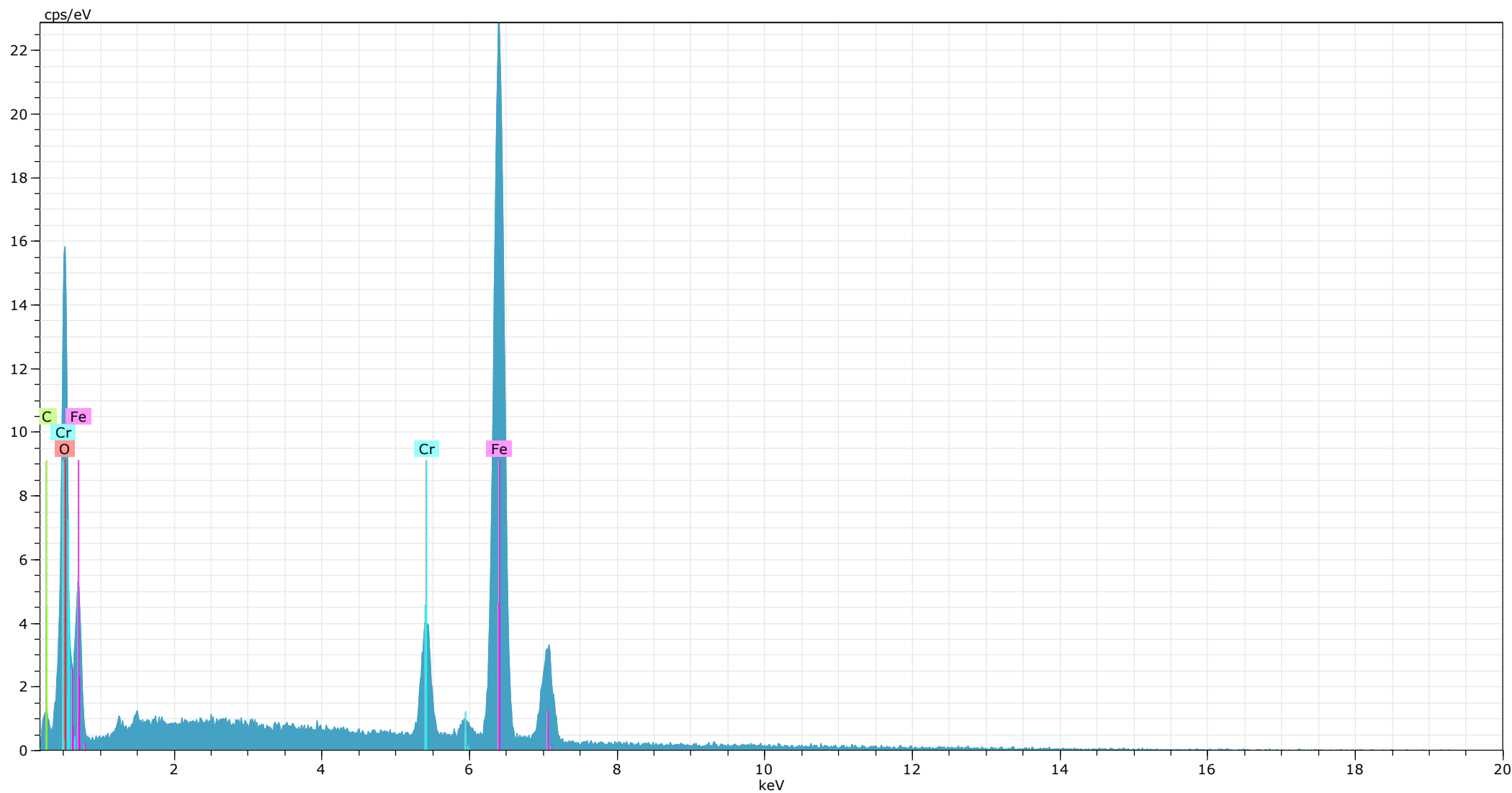
8.1-4 50 Date:5/7/2014 9:47:44 AMHV:20.0kV Puls th.:14.21kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.97	7.32	17.67	1.78
O	8	K-series	27.87	25.60	46.39	3.83
Mg	12	K-series	0.93	0.86	1.02	0.10
Al	13	K-series	0.75	0.69	0.74	0.08
Cr	24	K-series	4.40	4.04	2.25	0.16
Fe	26	K-series	66.95	61.50	31.93	1.83
Total:			108.87	100.00	100.00	



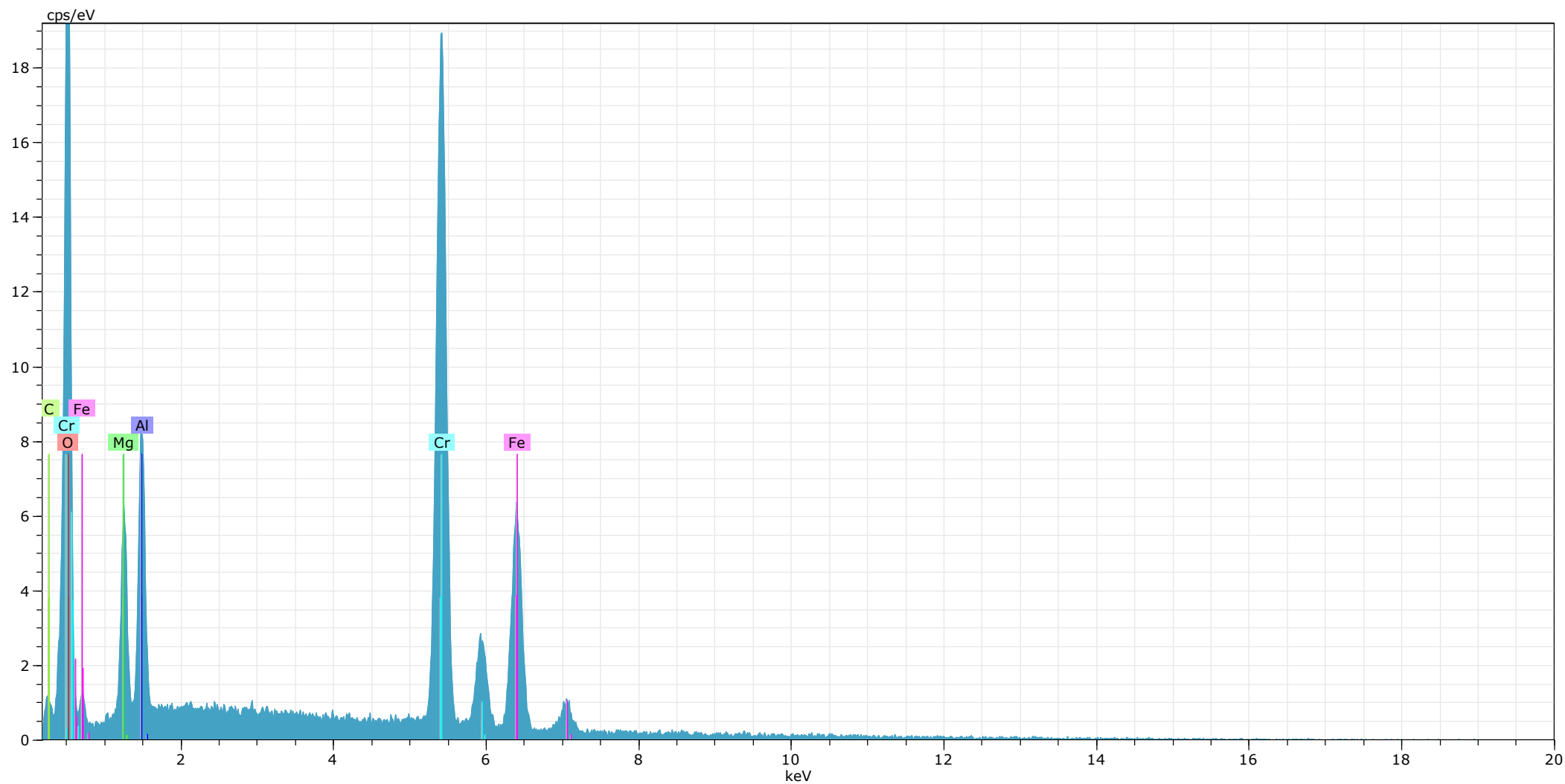
8.1-4 51 Date:5/7/2014 9:47:55 AMHV:20.0kV Puls th.:14.23kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	4.71	4.37	10.72	2.30
C	6	K-series	7.76	7.20	15.88	1.77
O	8	K-series	27.52	25.52	42.29	3.77
Mg	12	K-series	0.97	0.90	0.98	0.10
Al	13	K-series	0.97	0.90	0.88	0.09
Cr	24	K-series	7.20	6.67	3.40	0.24
Fe	26	K-series	58.71	54.45	25.85	1.61
Total:			107.82	100.00	100.00	



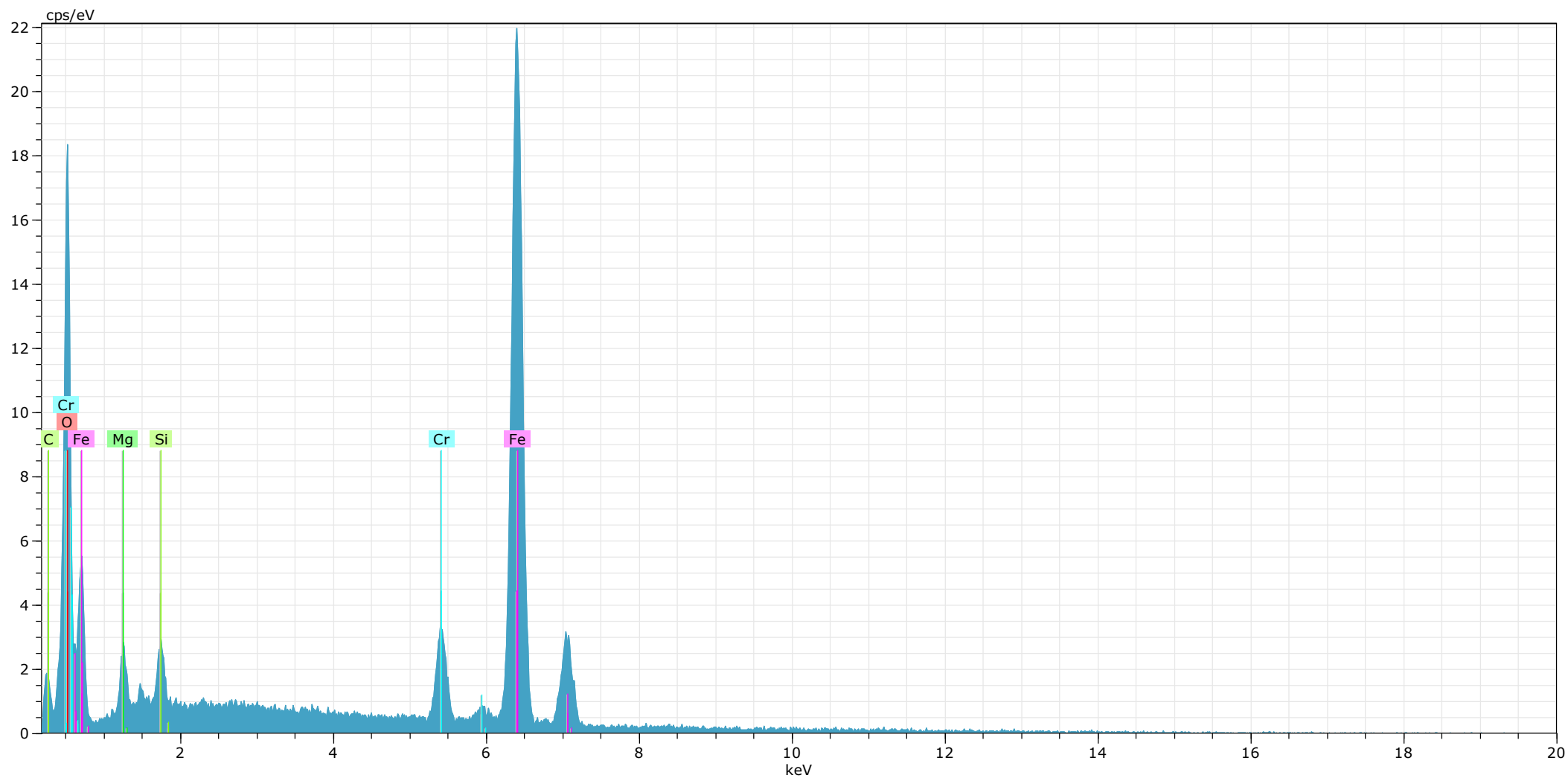
8.1-4 52 Date:5/7/2014 9:48:06 AMHV:20.0kV Puls th.:14.42kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.58	6.37	15.73	1.55
O	8	K-series	26.82	25.96	48.12	3.68
Cr	24	K-series	5.41	5.24	2.99	0.19
Fe	26	K-series	64.52	62.44	33.16	1.77
Total:			103.33	100.00	100.00	



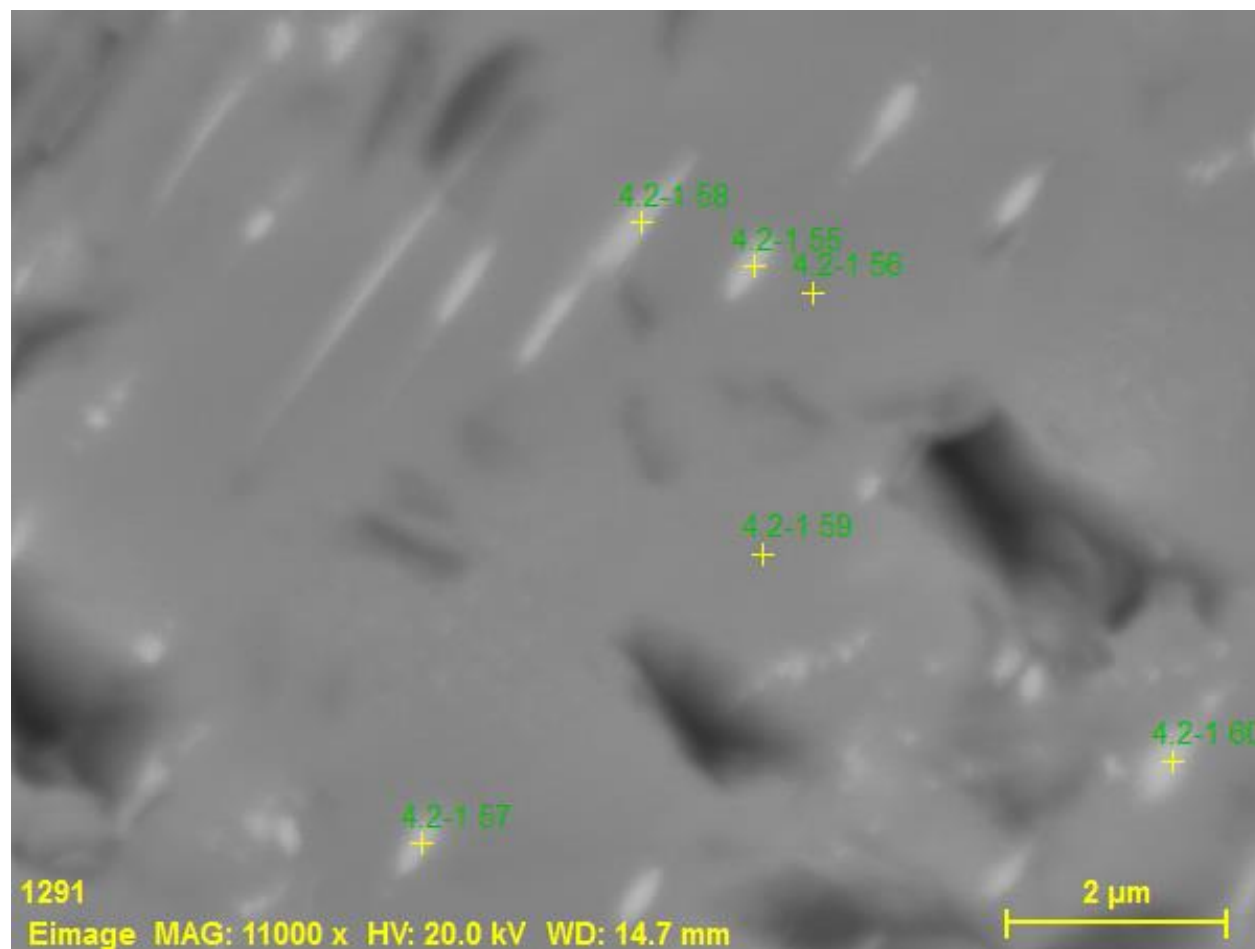
8.1-4 53 Date:5/7/2014 9:48:16 AMHV:20.0kV Puls th.:14.88kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.55	5.77	12.04	1.34
O	8	K-series	33.35	34.71	54.36	4.35
Mg	12	K-series	4.69	4.88	5.03	0.30
Al	13	K-series	6.03	6.28	5.83	0.33
Cr	24	K-series	30.32	31.56	15.21	0.86
Fe	26	K-series	16.14	16.80	7.54	0.49
Total:			96.06	100.00	100.00	

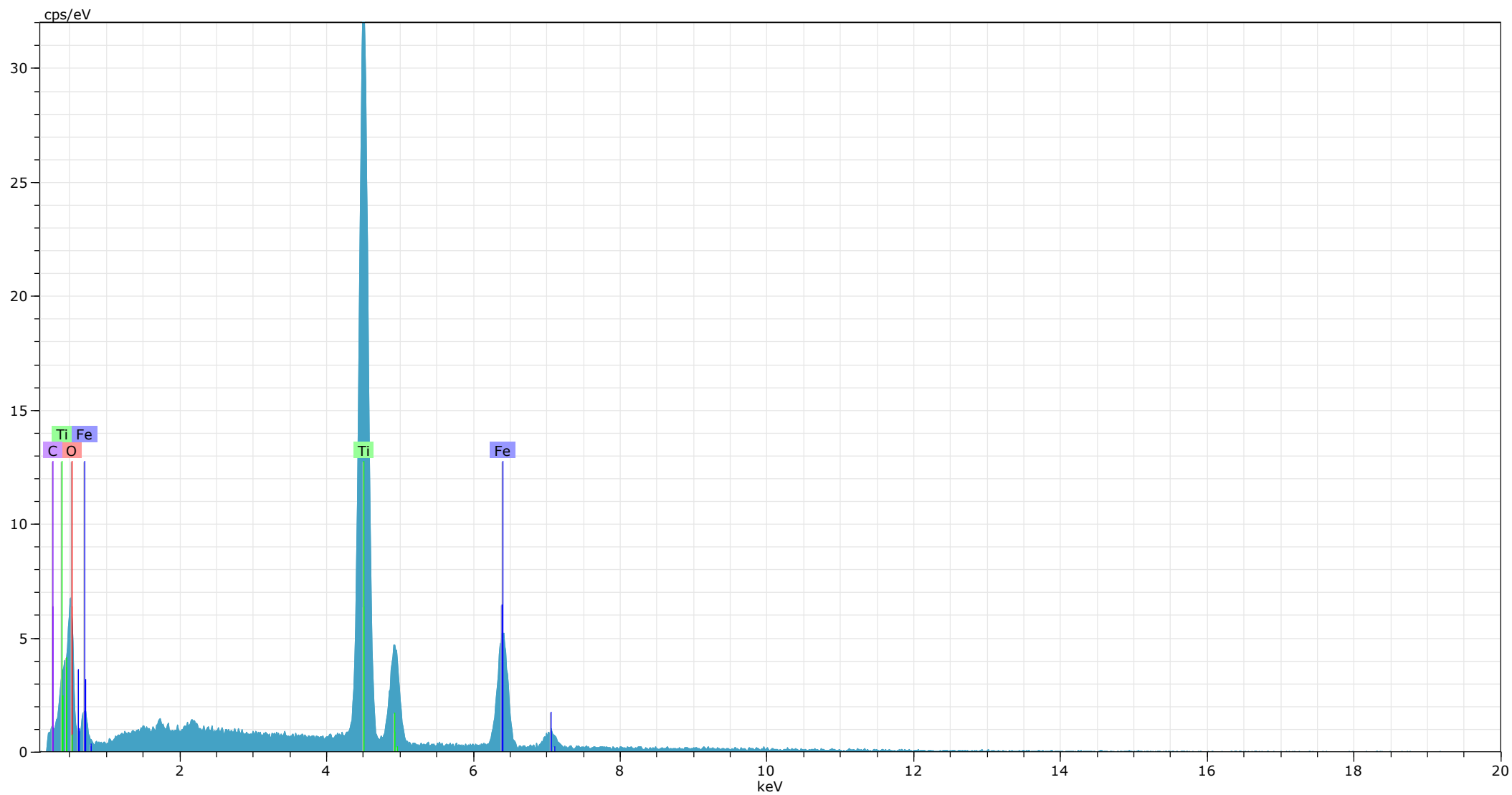


8.1-4 54 Date:5/7/2014 9:48:27 AM HV:20.0kV Puls th.:14.61kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	9.77	8.79	19.74	2.06
O	8	K-series	31.75	28.59	48.18	4.29
Mg	12	K-series	2.08	1.88	2.08	0.16
Si	14	K-series	1.22	1.10	1.05	0.09
Cr	24	K-series	4.41	3.97	2.06	0.16
Fe	26	K-series	61.83	55.67	26.88	1.70
Total:			111.06	100.00	100.00	

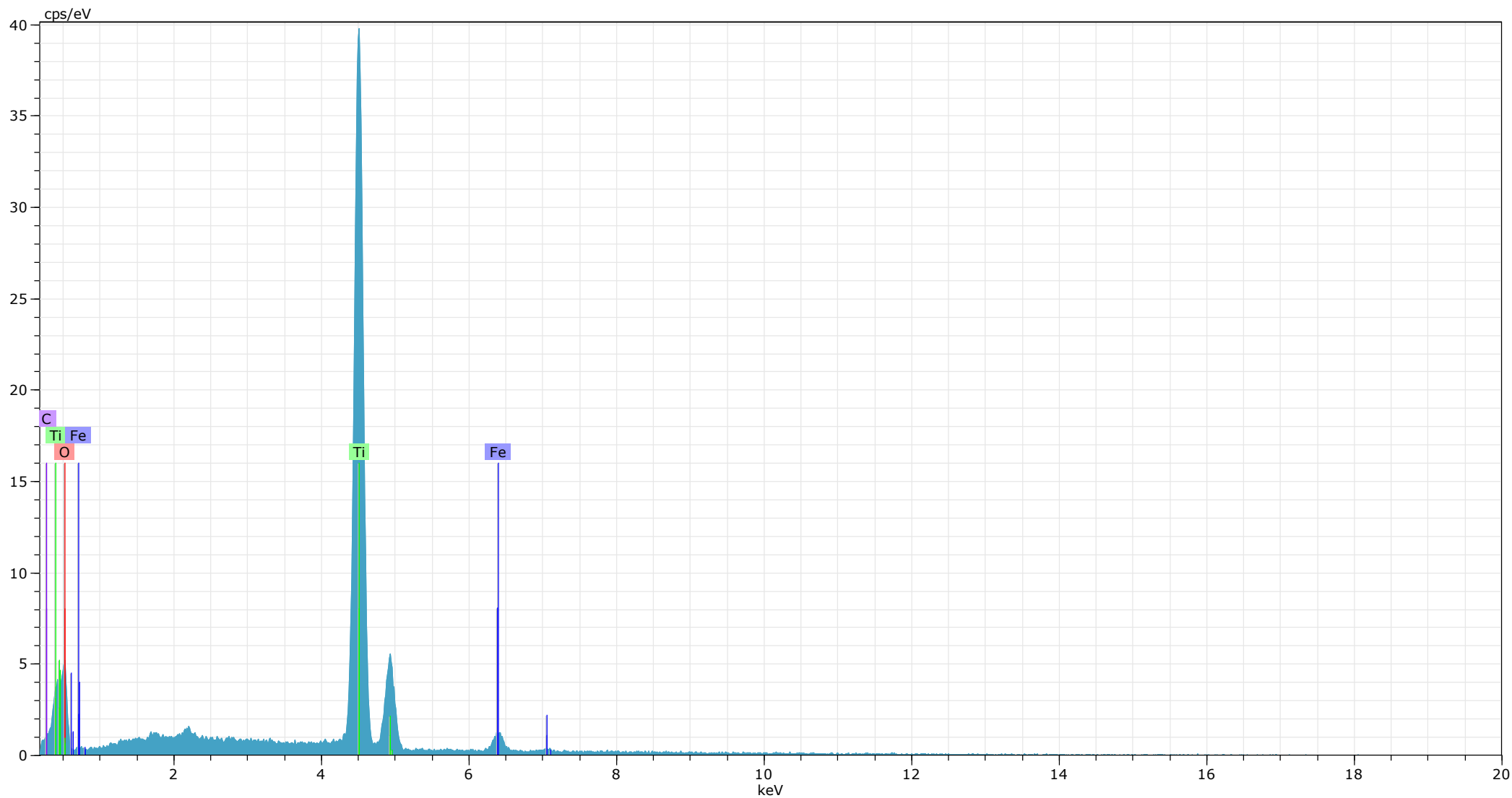


1291
Date:5/7/2014 9:57:17 AM
Image size:1000 x 750
Mag:11000x
HV:20.0kV



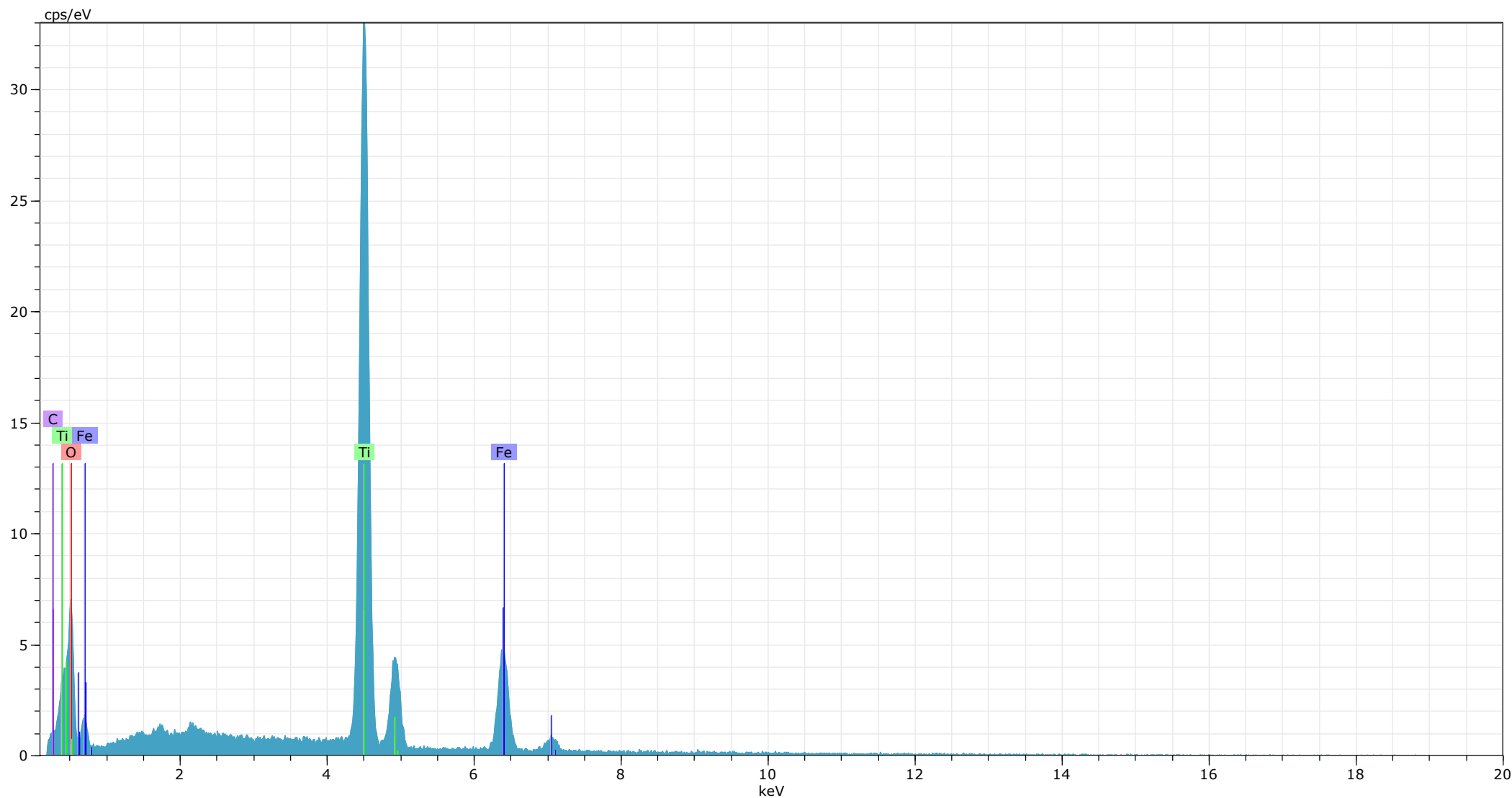
4.2-1 55 Date:5/7/2014 9:58:41 AMHV:20.0kV Puls th.:14.55kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.43	4.22	9.13	1.09
O	8	K-series	38.84	36.99	60.11	6.08
Ti	22	K-series	45.95	43.77	23.76	1.32
Fe	26	K-series	15.77	15.02	6.99	0.48
Total:			105.00	100.00	100.00	



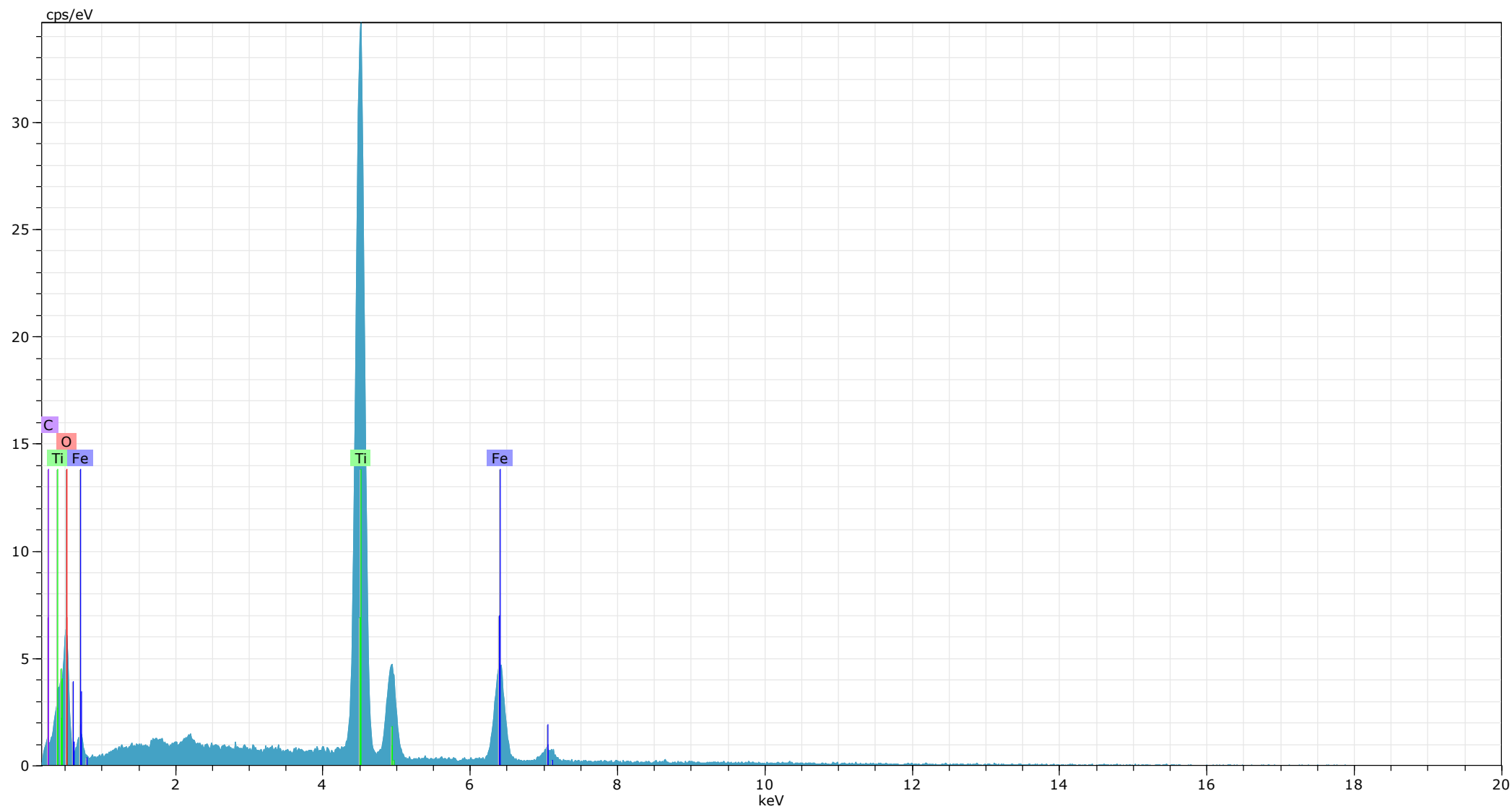
4.2-1 56 Date:5/7/2014 9:58:52 AMHV:20.0kV Puls th.:14.40kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.95	4.10	8.90	0.98
O	8	K-series	34.77	36.15	58.85	5.75
Ti	22	K-series	54.44	56.61	30.79	1.55
Fe	26	K-series	3.01	3.13	1.46	0.14
Total:			96.16	100.00	100.00	



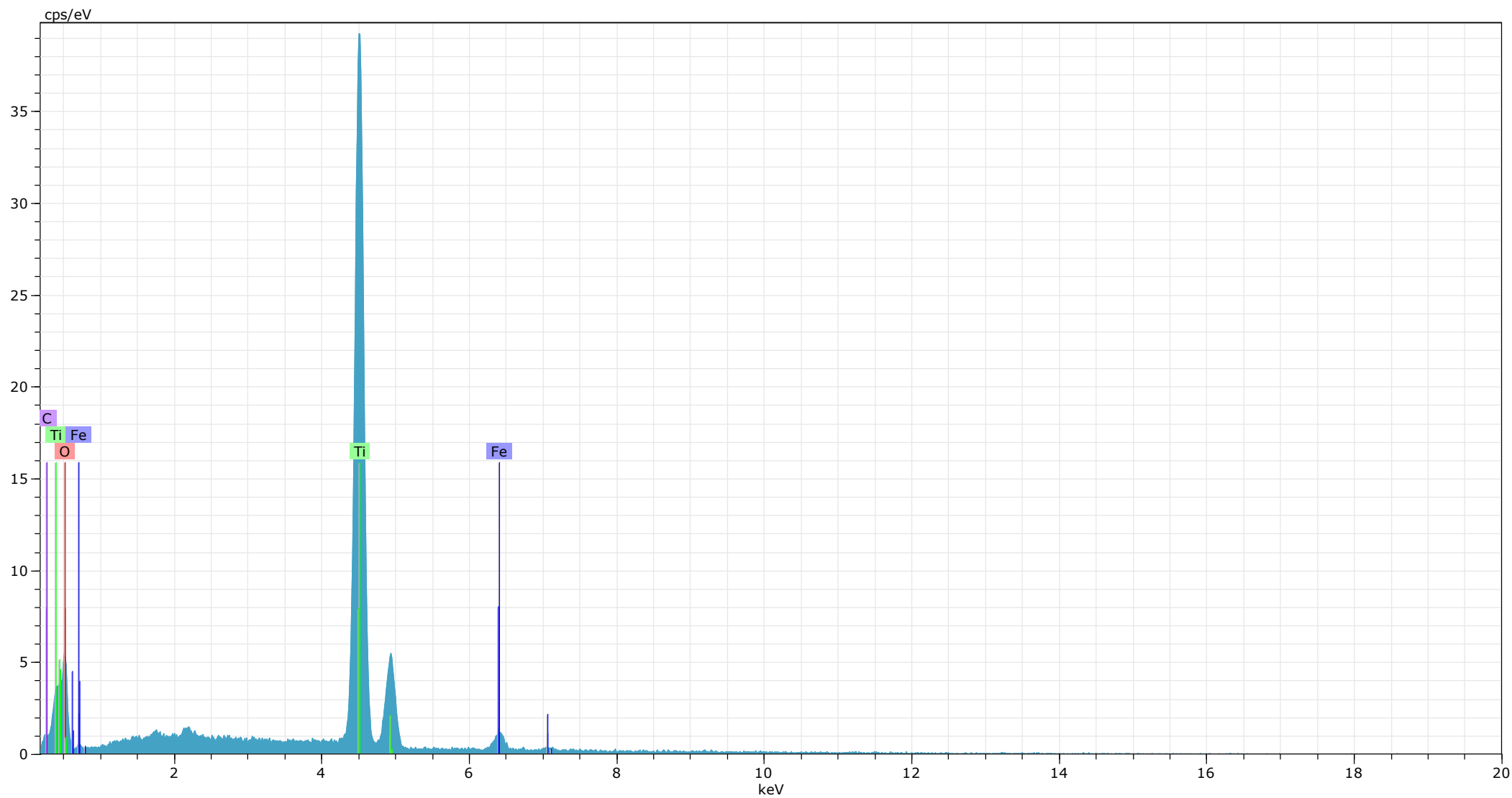
4.2-1 57 Date:5/7/2014 9:59:03 AMHV:20.0kV Puls th.:14.50kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.38	4.28	9.17	1.07
O	8	K-series	38.57	37.63	60.61	6.02
Ti	22	K-series	45.52	44.41	23.90	1.30
Fe	26	K-series	14.03	13.69	6.32	0.43
Total:			102.50	100.00	100.00	



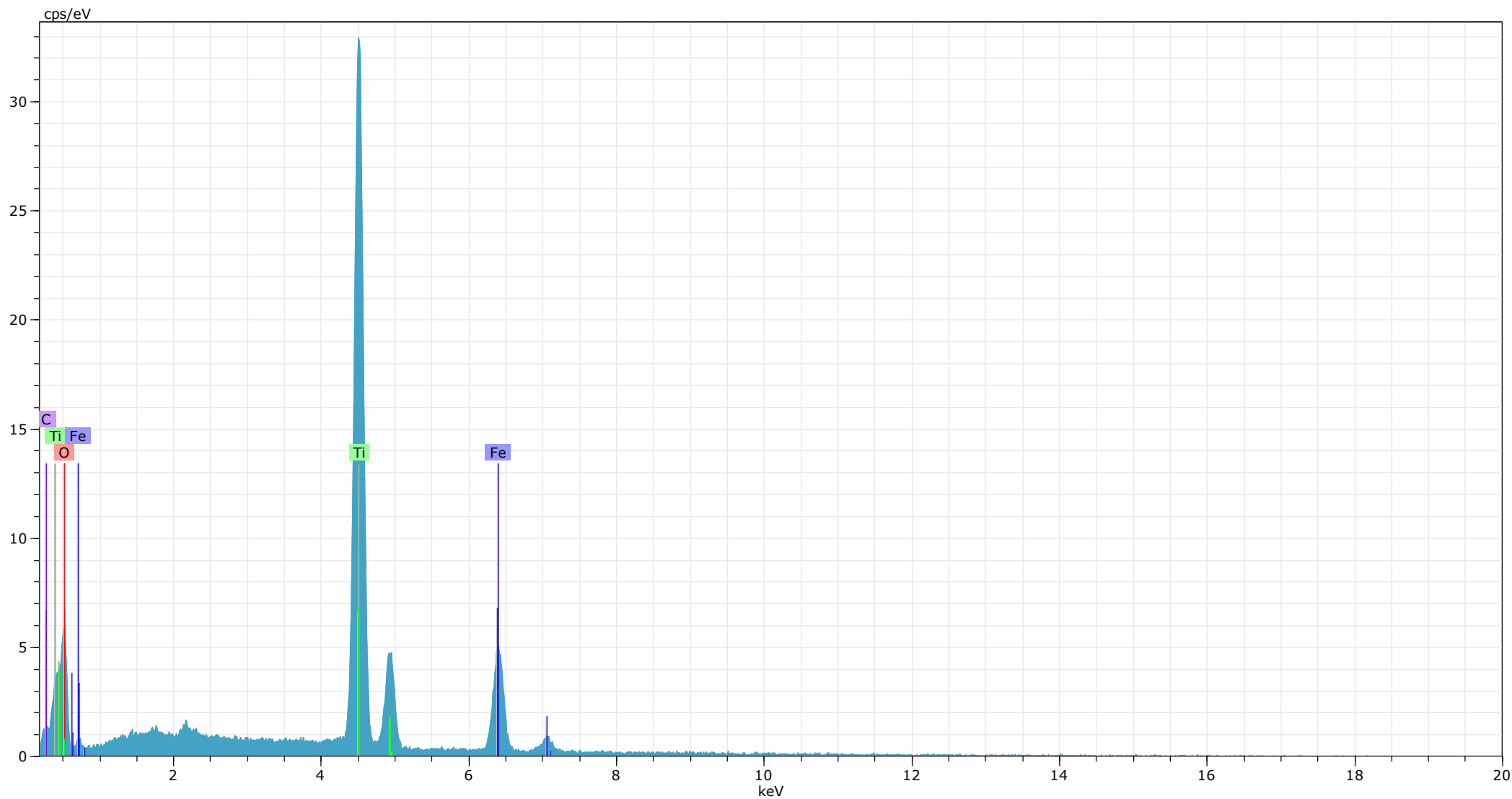
4.2-1 58 Date:5/7/2014 9:59:13 AMHV:20.0kV Puls th.:14.46kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.50	4.48	9.77	1.09
O	8	K-series	36.07	35.88	58.72	5.74
Ti	22	K-series	45.84	45.59	24.93	1.31
Fe	26	K-series	14.13	14.05	6.59	0.44
Total:			100.54	100.00	100.00	



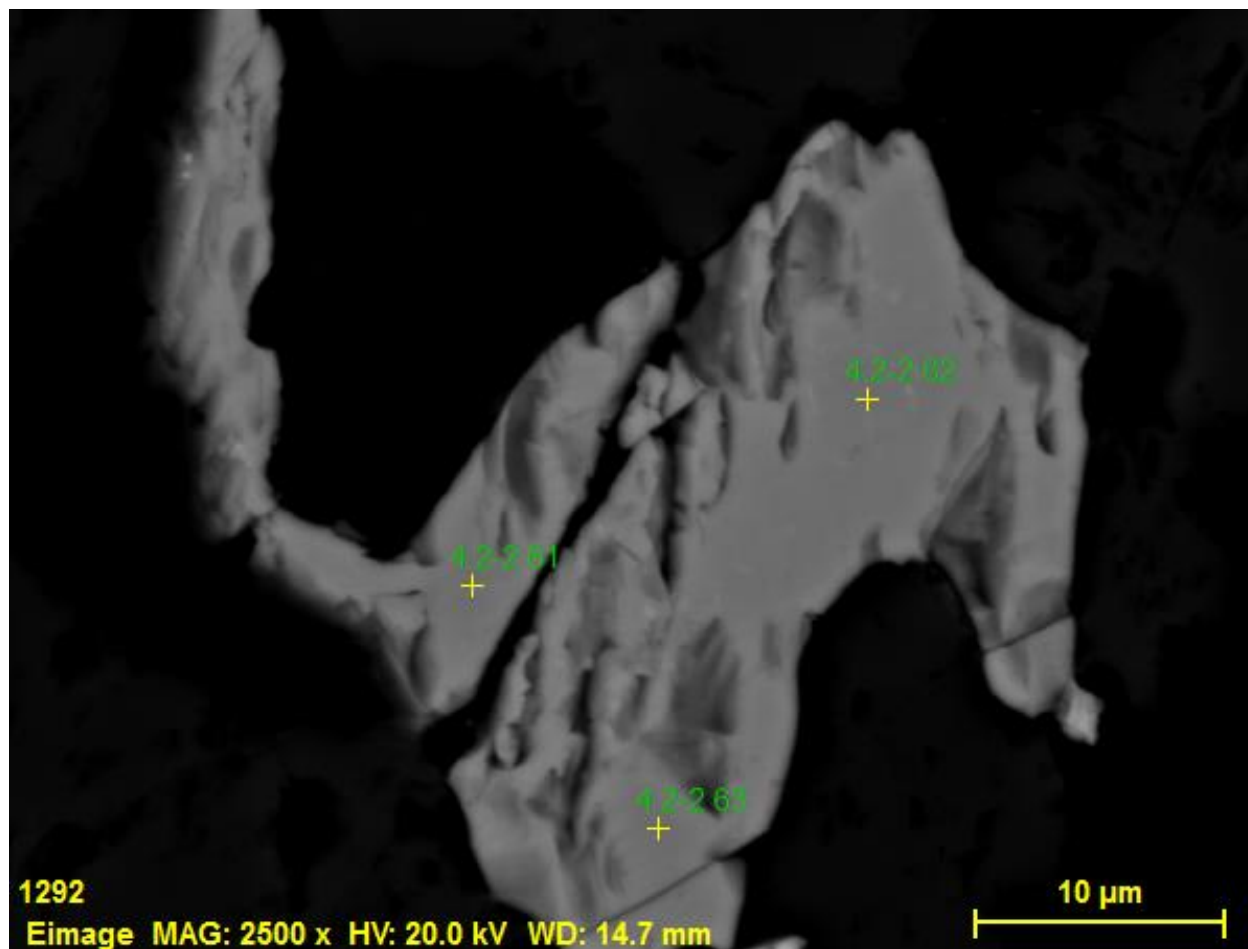
4.2-1 59 Date:5/7/2014 9:59:24 AMHV:20.0kV Puls th.:14.41kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.93	4.16	8.93	0.97
O	8	K-series	34.93	36.97	59.59	5.73
Ti	22	K-series	52.88	55.97	30.14	1.51
Fe	26	K-series	2.74	2.90	1.34	0.13
Total:			94.48	100.00	100.00	

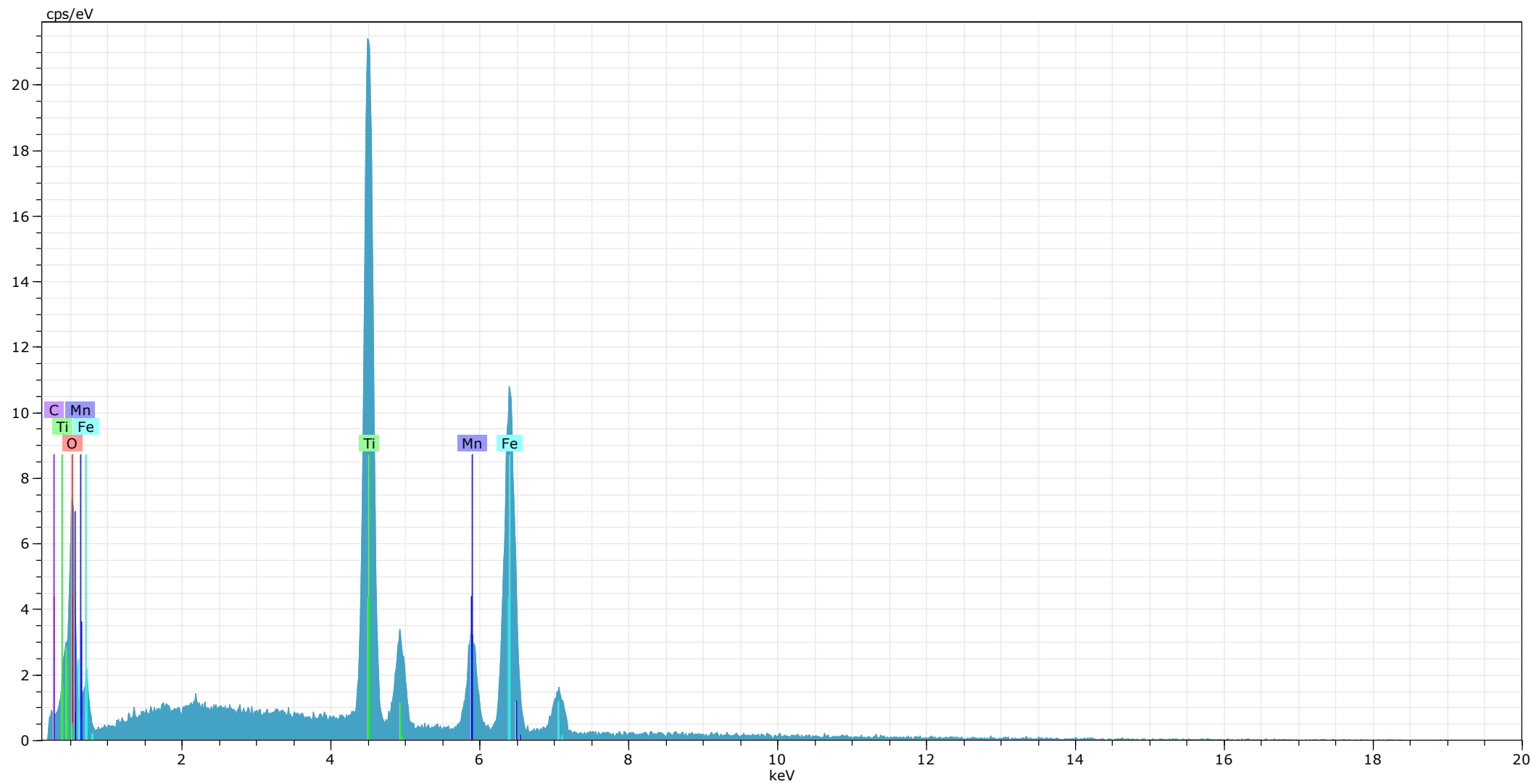


4.2-1 60 Date:5/7/2014 9:59:35 AM HV:20.0kV Puls th.:14.48kps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.87	4.90	10.73	1.15
O	8	K-series	34.58	34.79	57.25	5.55
Ti	22	K-series	45.34	45.61	25.08	1.30
Fe	26	K-series	14.63	14.71	6.94	0.45
Total:			99.42	100.00	100.00	

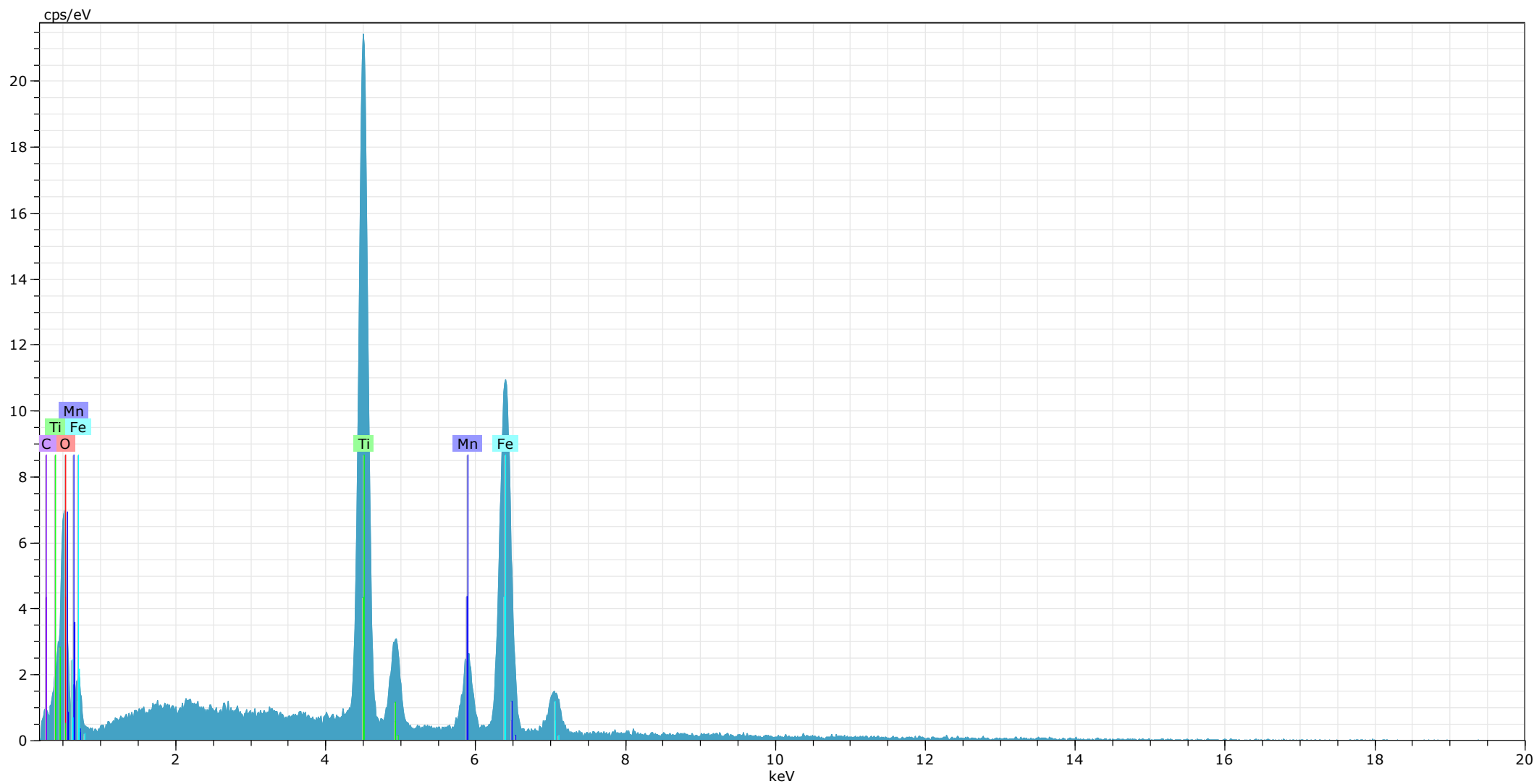


1292
Date:5/7/2014 10:07:22 AM
Image size:1000 x 750
Mag:2500x
HV:20.0kV



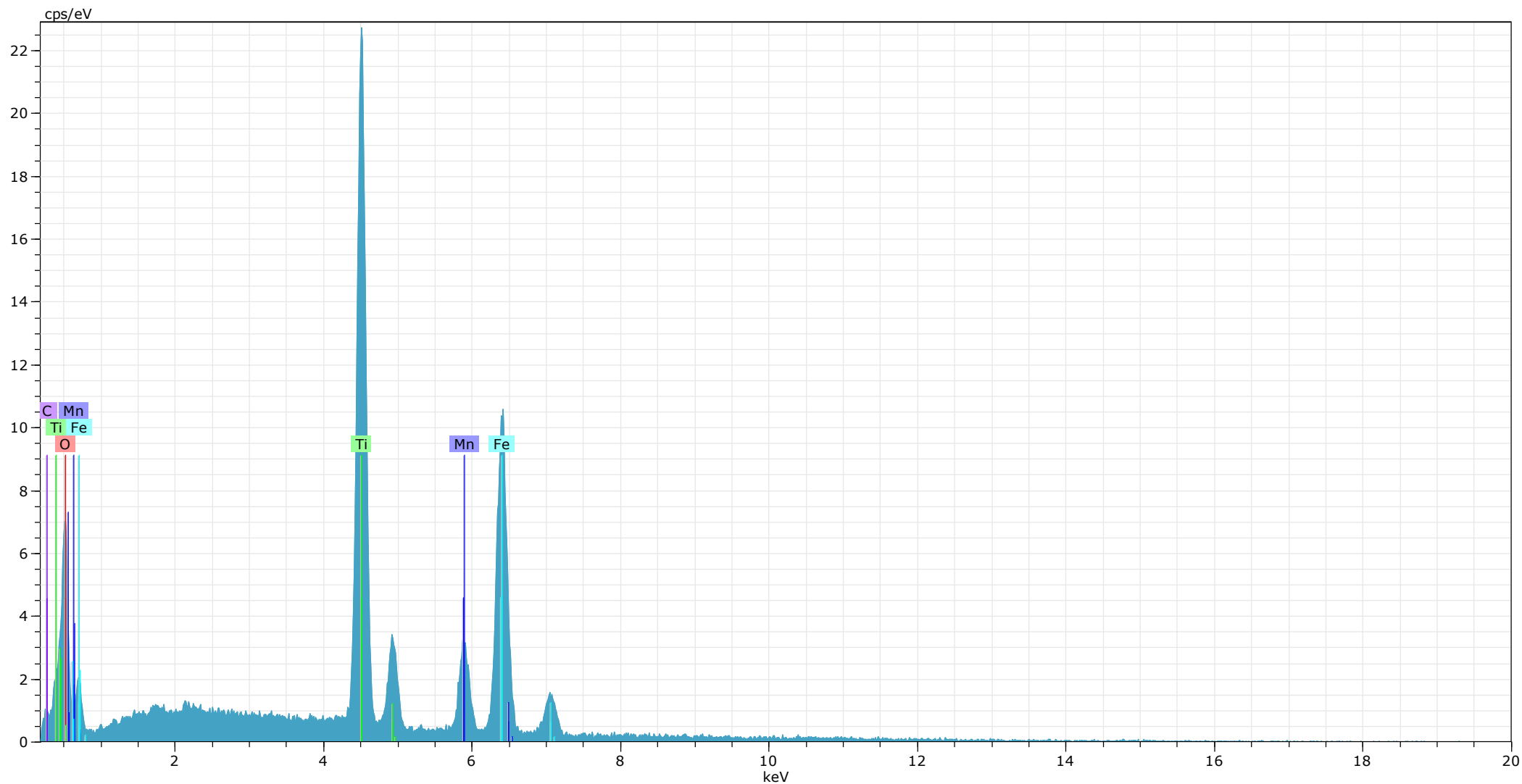
4.2-2 61 Date:5/7/2014 10:08:09 AM HV:20.0kV Puls th.:14.30kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.64	3.66	8.74	0.98
O	8	K-series	30.45	30.63	54.88	4.69
Ti	22	K-series	30.36	30.54	18.28	0.88
Mn	25	K-series	6.47	6.50	3.39	0.22
Fe	26	K-series	28.49	28.66	14.71	0.81
Total:			99.41	100.00	100.00	



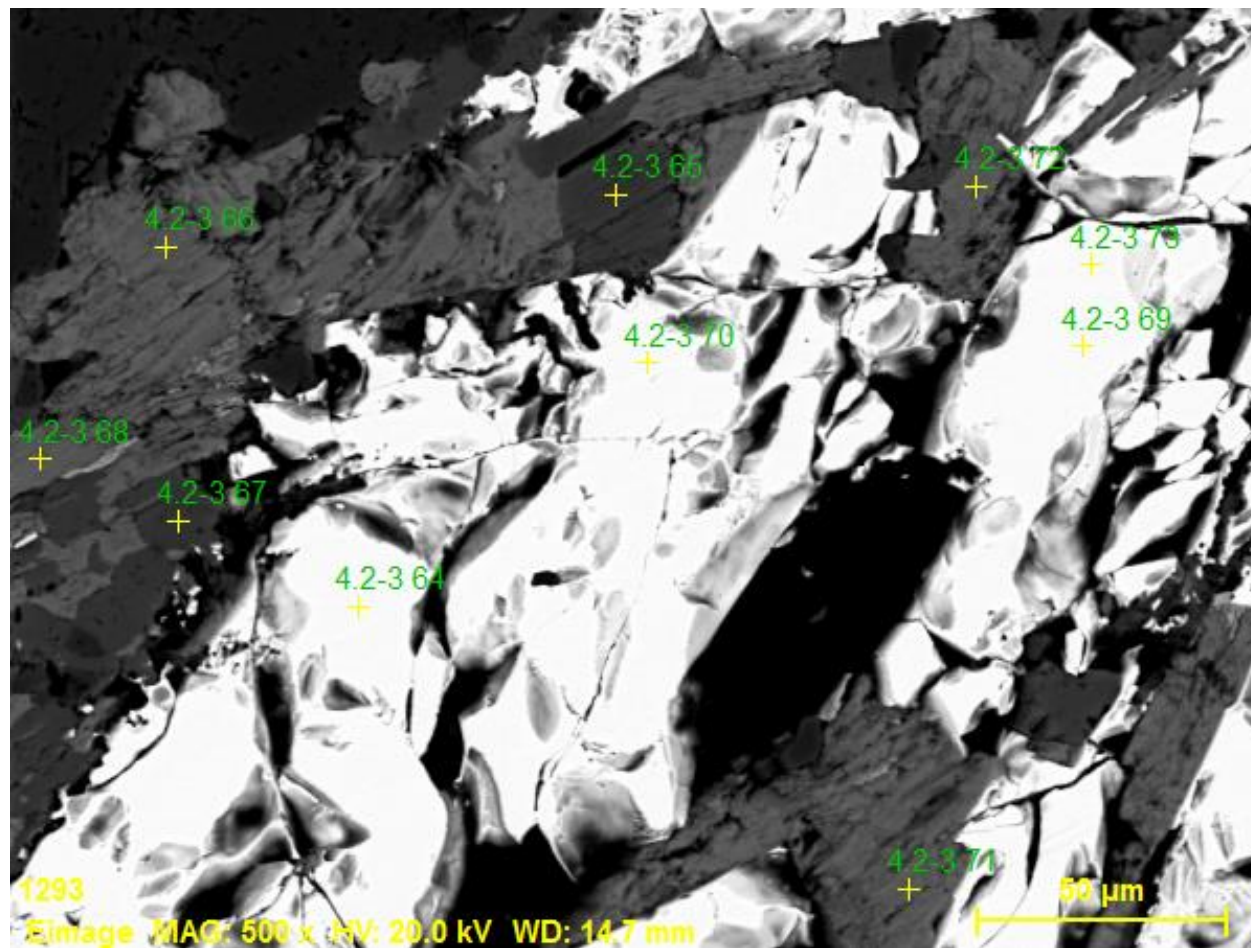
4.2-2 62 Date:5/7/2014 10:08:19 AM HV:20.0kV Puls th.:14.14kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.99	3.96	9.48	1.05
O	8	K-series	30.20	29.98	53.91	4.67
Ti	22	K-series	29.66	29.44	17.69	0.87
Mn	25	K-series	5.25	5.21	2.73	0.19
Fe	26	K-series	31.65	31.41	16.19	0.90
Total:			100.74	100.00	100.00	

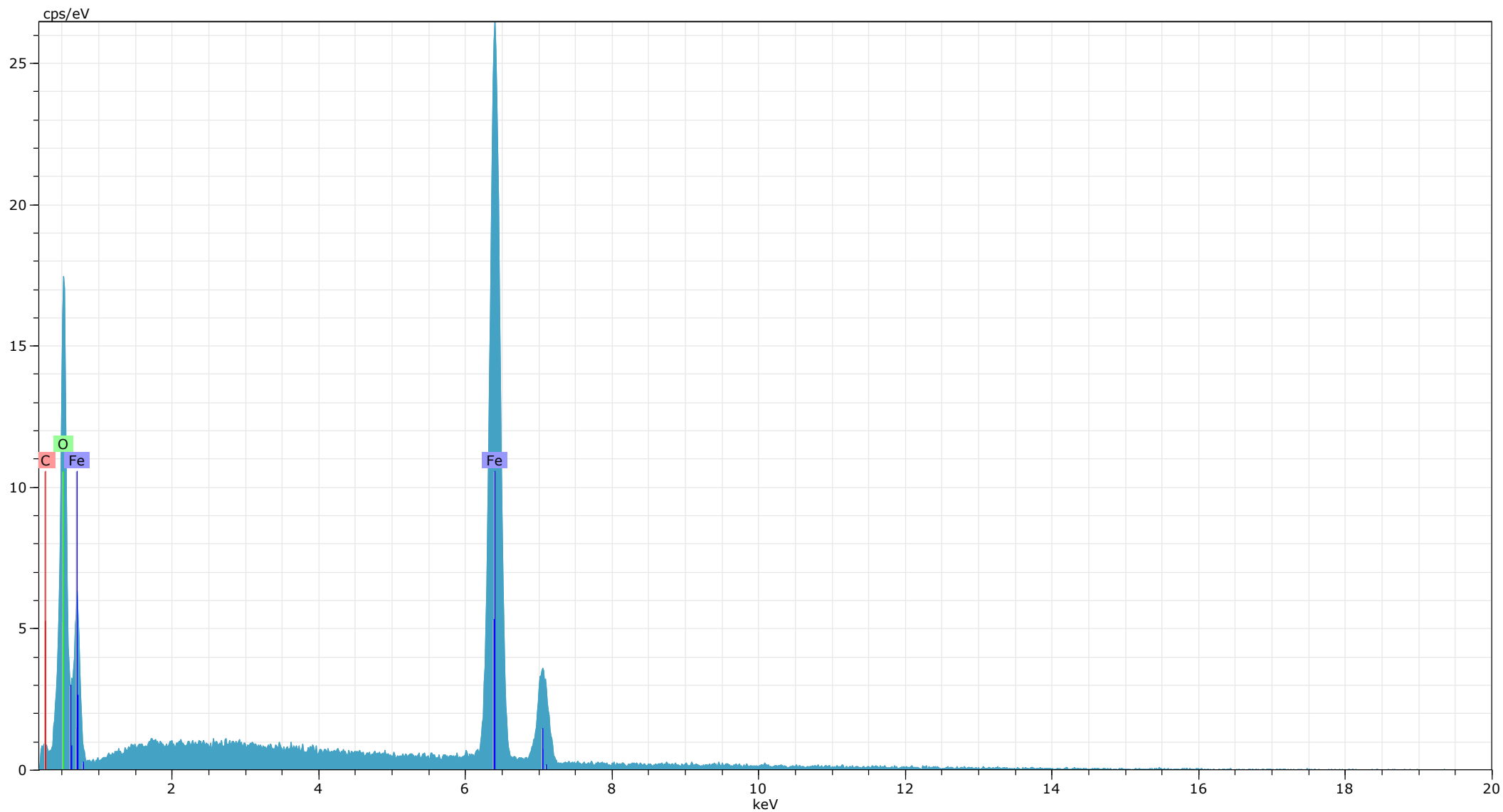


4.2-2 63 Date:5/7/2014 10:08:30 AM HV:20.0kV Puls th.:14.31kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.95	4.07	9.61	1.03
O	8	K-series	29.98	30.84	54.72	4.62
Ti	22	K-series	28.99	29.82	17.68	0.85
Mn	25	K-series	6.61	6.80	3.51	0.23
Fe	26	K-series	27.67	28.47	14.47	0.79
Total:			97.20	100.00	100.00	

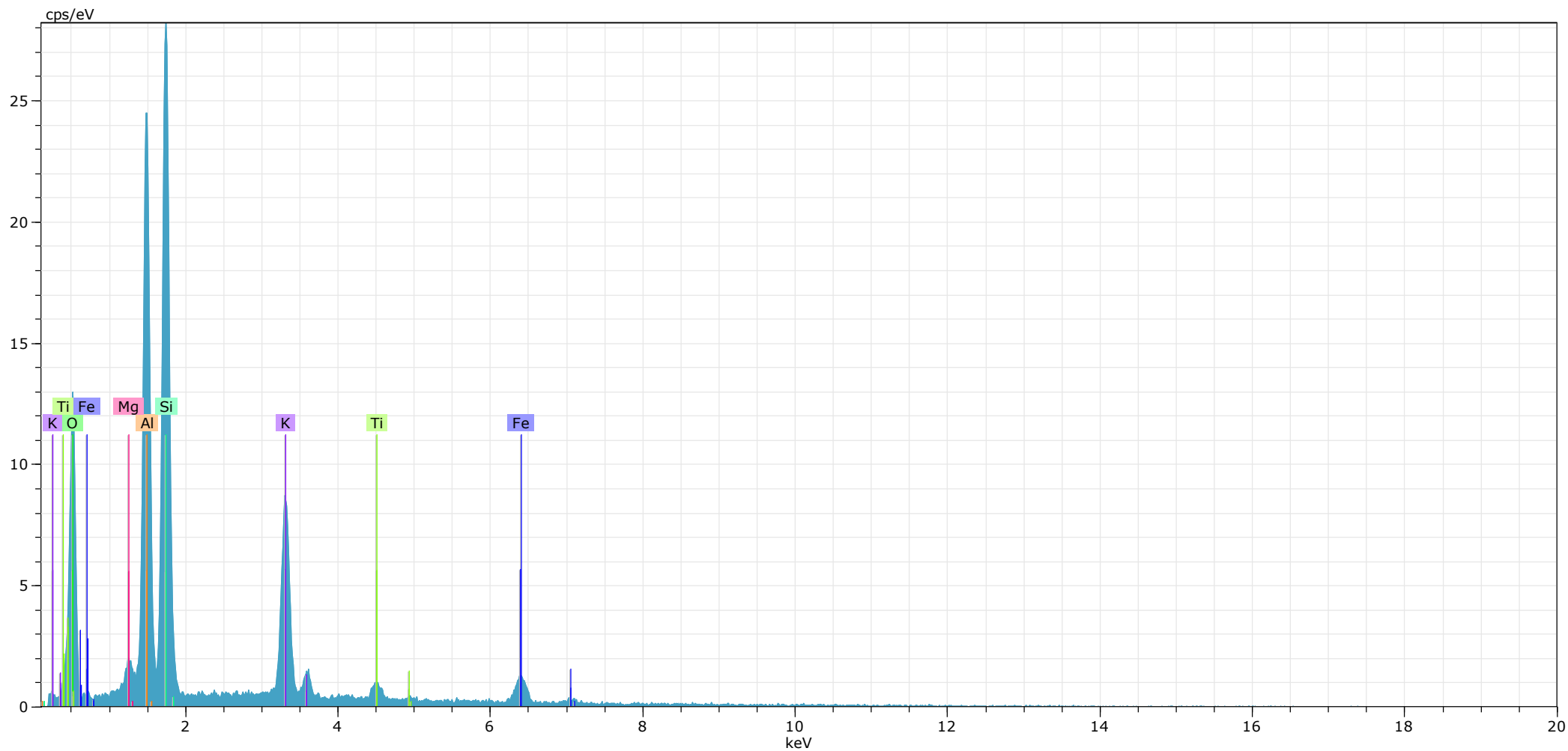


1293
Date:5/7/2014 10:12:57 AM
Image size:1000 x 750
Mag:500x
HV:20.0kV



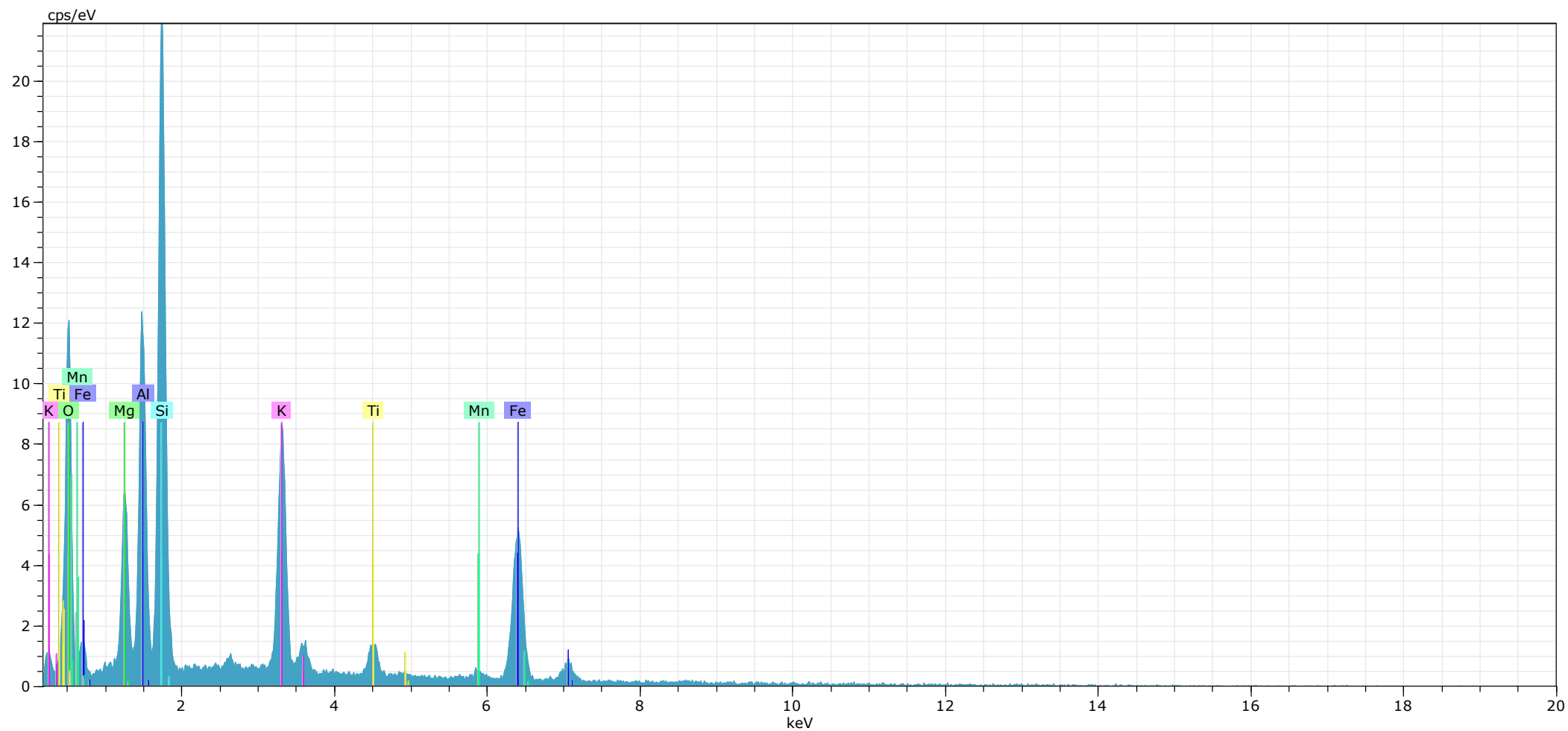
4.2-3 64 Date:5/7/2014 10:14:58 AM HV:20.0kV Puls th.:14.44kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.64	4.55	11.32	1.20
O	8	K-series	28.73	28.21	52.69	3.87
Fe	26	K-series	68.49	67.24	35.98	1.87
Total:			101.86	100.00	100.00	



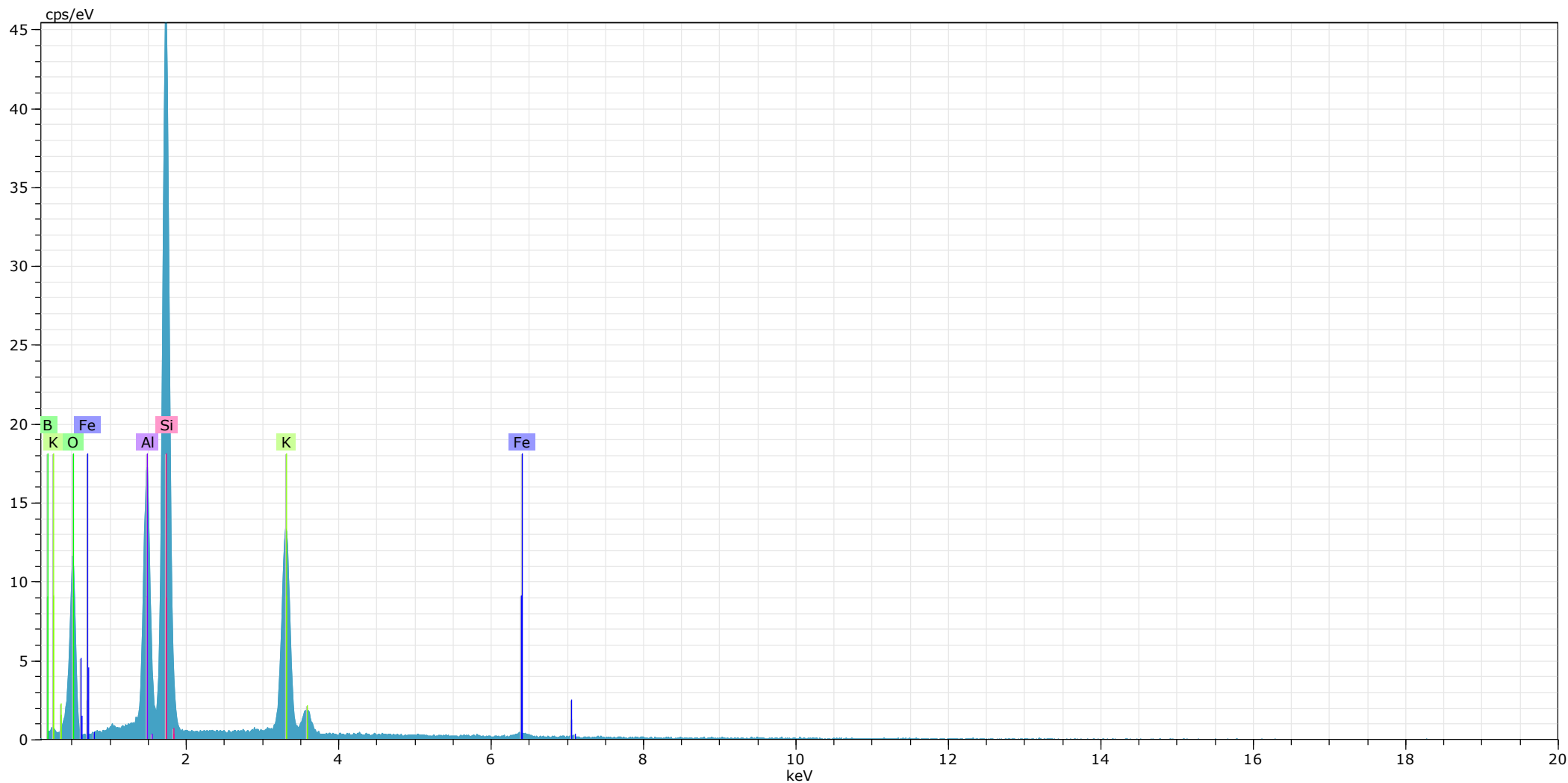
4.2-3 65 Date:5/7/2014 10:15:08 AM HV:20.0kV Puls th.:13.40kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	37.70	43.55	59.43	5.29
Mg	12	K-series	0.97	1.13	1.01	0.09
Al	13	K-series	15.75	18.20	14.72	0.79
Si	14	K-series	19.39	22.40	17.41	0.87
K	19	K-series	8.23	9.51	5.31	0.29
Ti	22	K-series	1.07	1.23	0.56	0.07
Fe	26	K-series	3.45	3.98	1.56	0.15
Total:			86.56	100.00	100.00	



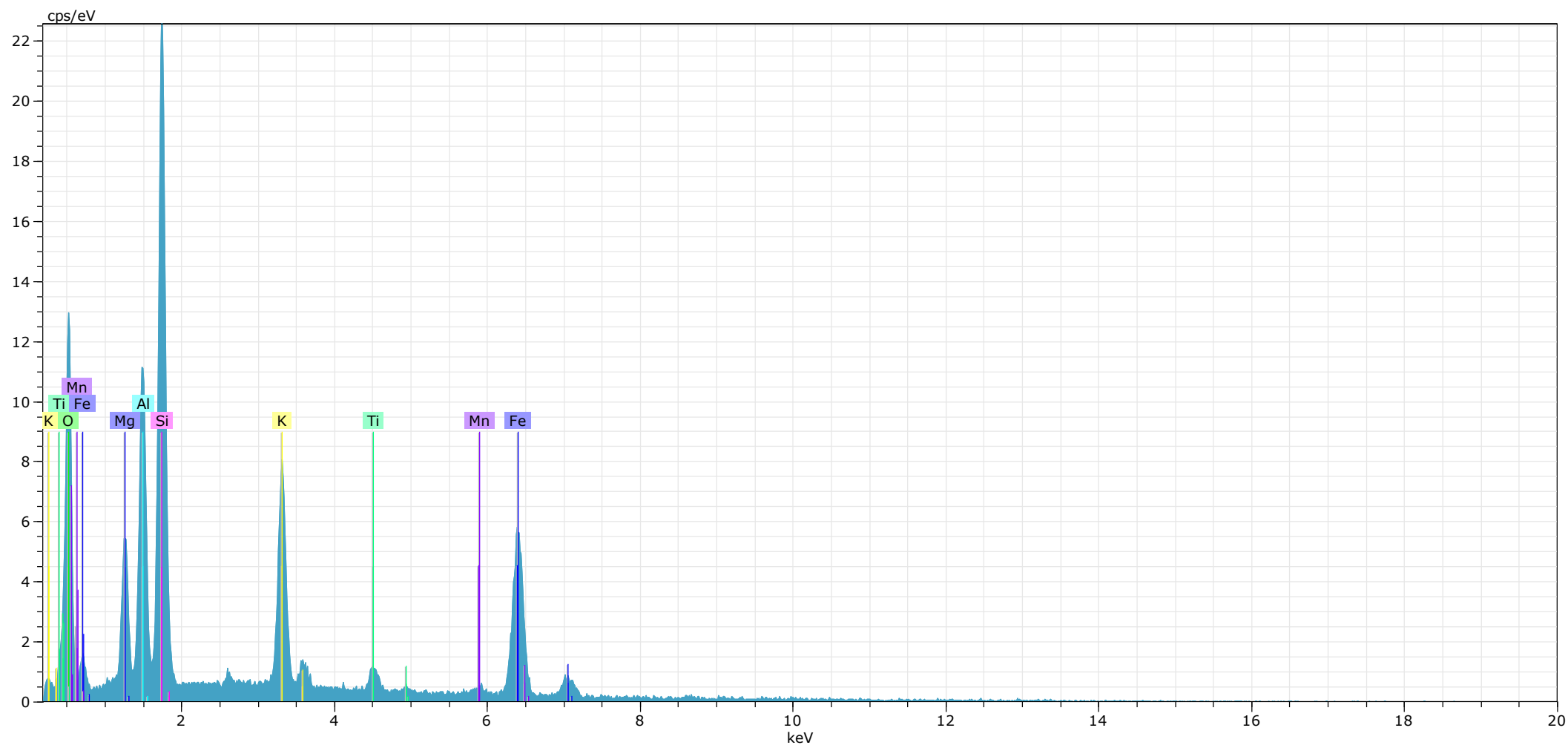
4.2-3 66 Date:5/7/2014 10:15:19 AM HV:20.0kV Puls th.:13.15kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	31.85	38.86	58.49	4.51
Mg	12	K-series	3.77	4.60	4.56	0.25
Al	13	K-series	7.24	8.83	7.88	0.39
Si	14	K-series	12.49	15.24	13.07	0.57
K	19	K-series	8.08	9.86	6.07	0.29
Ti	22	K-series	1.99	2.43	1.22	0.10
Mn	25	K-series	0.68	0.82	0.36	0.06
Fe	26	K-series	15.85	19.34	8.34	0.49
Total:			81.95	100.00	100.00	



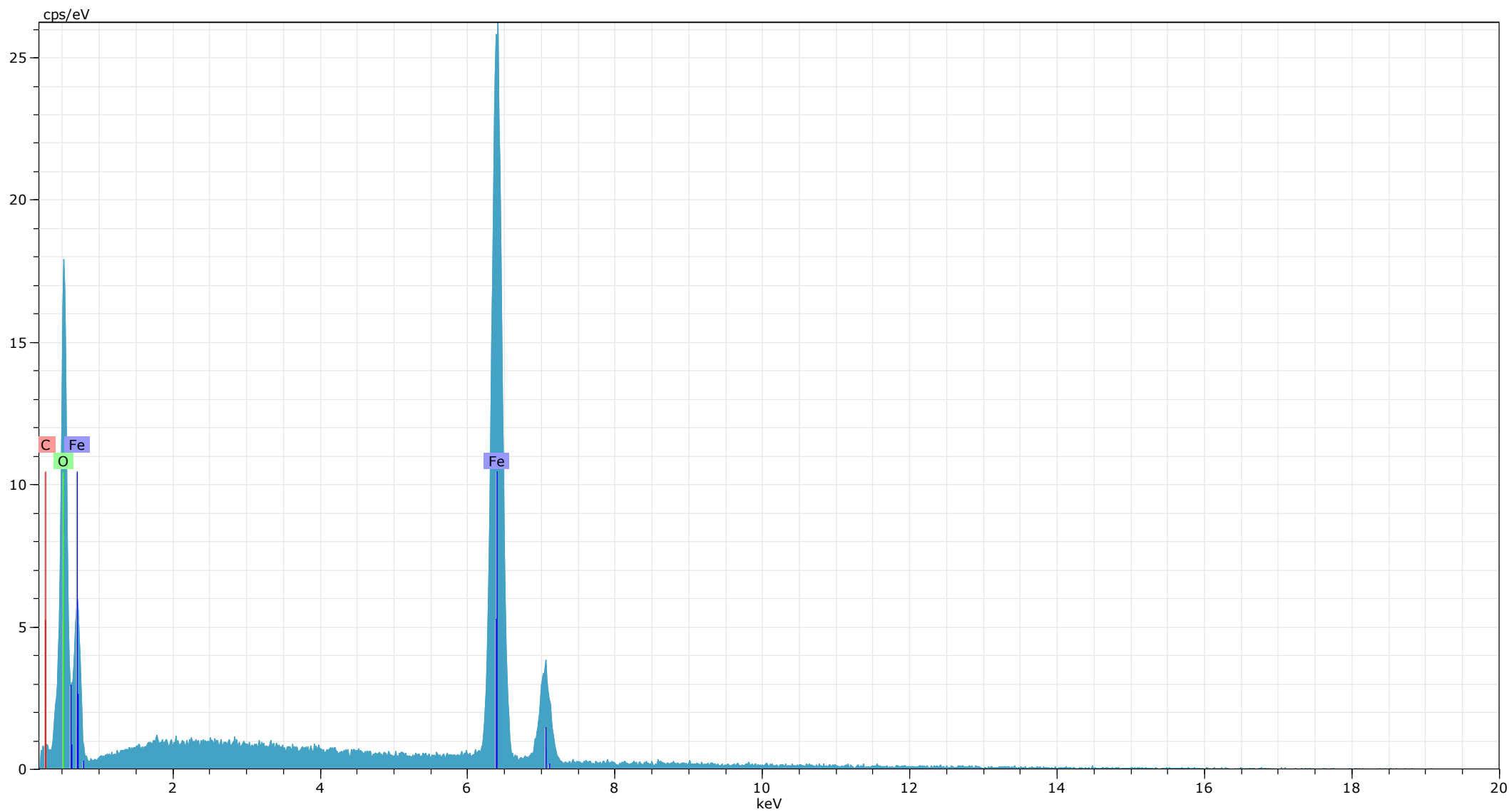
4.2-3 67 Date:5/7/2014 10:15:30 AM HV:20.0kV Puls th.:14.62kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	1.71	2.04	4.07	1.60
O	8	K-series	34.84	41.64	56.02	4.96
Al	13	K-series	8.83	10.56	8.42	0.46
Si	14	K-series	25.04	29.93	22.94	1.10
K	19	K-series	12.42	14.85	8.17	0.42
Fe	26	K-series	0.81	0.97	0.37	0.07
Total:			83.66	100.00	100.00	



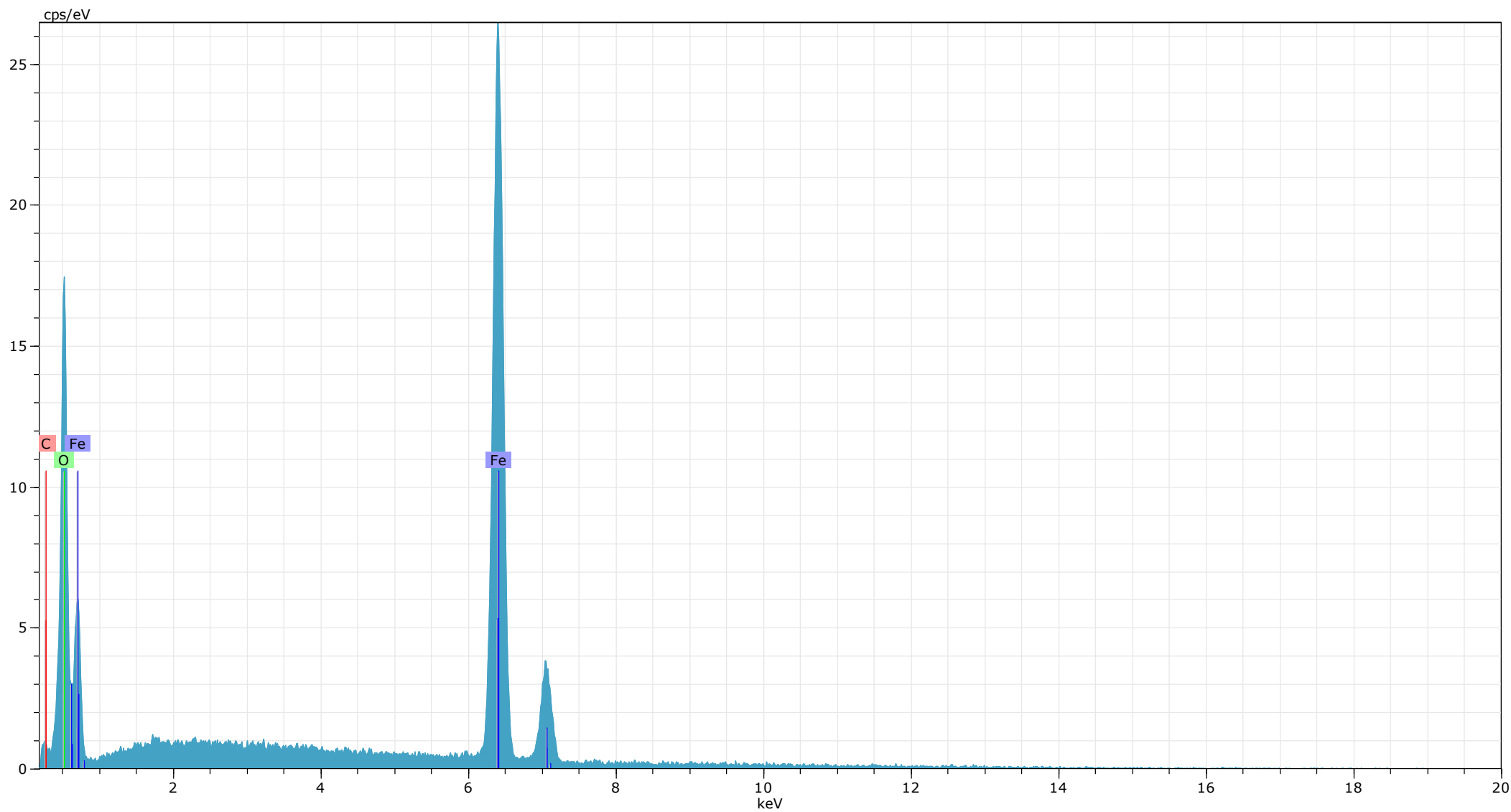
4.2-3 68 Date:5/7/2014 10:15:41 AM HV:20.0kV Puls th.:13.08kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	32.73	39.11	58.96	4.60
Mg	12	K-series	3.41	4.08	4.05	0.23
Al	13	K-series	7.10	8.48	7.58	0.38
Si	14	K-series	13.49	16.13	13.85	0.61
K	19	K-series	6.91	8.26	5.09	0.25
Ti	22	K-series	1.51	1.80	0.91	0.09
Mn	25	K-series	0.66	0.79	0.35	0.06
Fe	26	K-series	17.87	21.35	9.22	0.54
Total:			83.69	100.00	100.00	



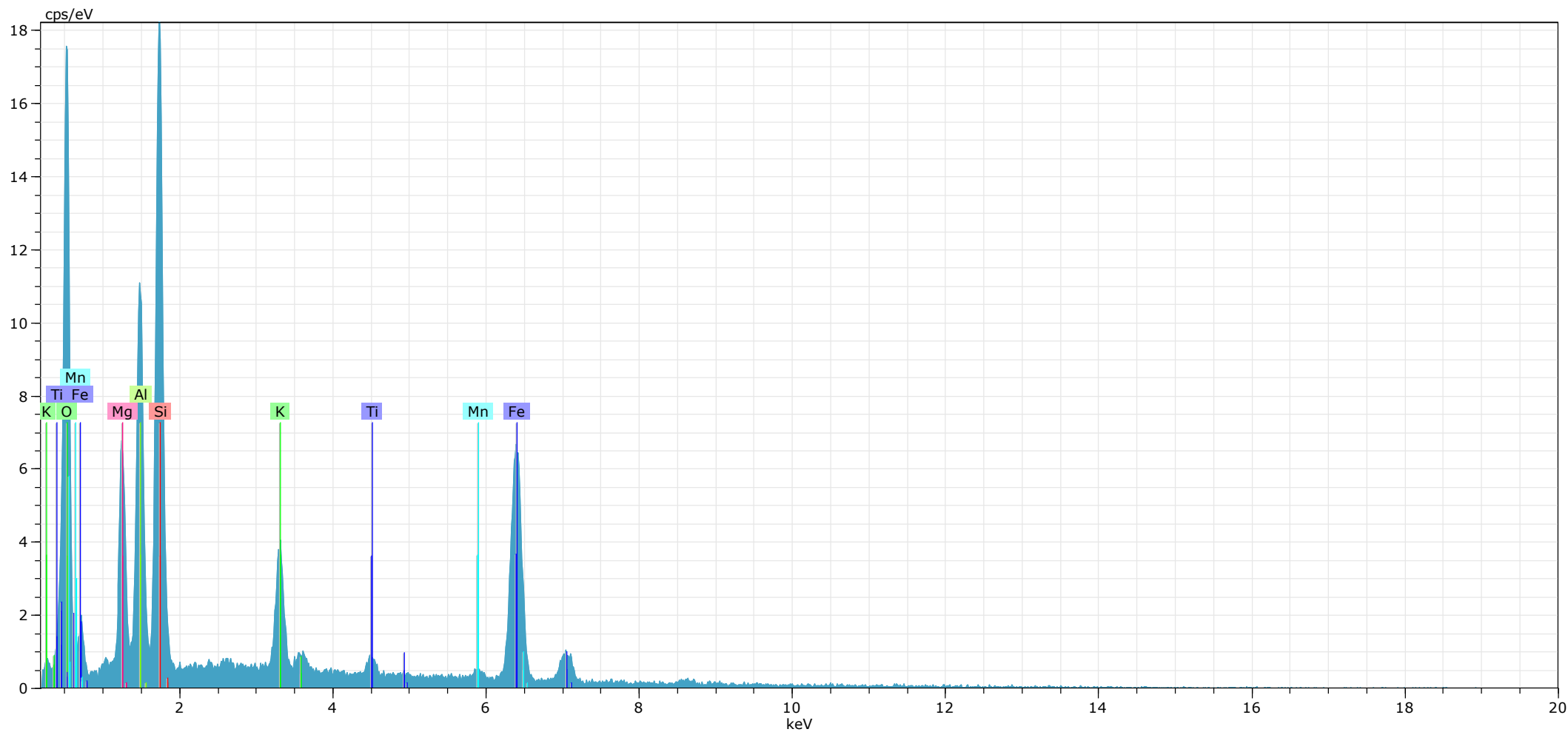
4.2-3 69 Date:5/7/2014 10:15:51 AM HV:20.0kV Puls th.:14.38kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.56	4.49	11.09	1.19
O	8	K-series	29.33	28.87	53.52	3.93
Fe	26	K-series	67.69	66.64	35.39	1.85
Total:			101.58	100.00	100.00	



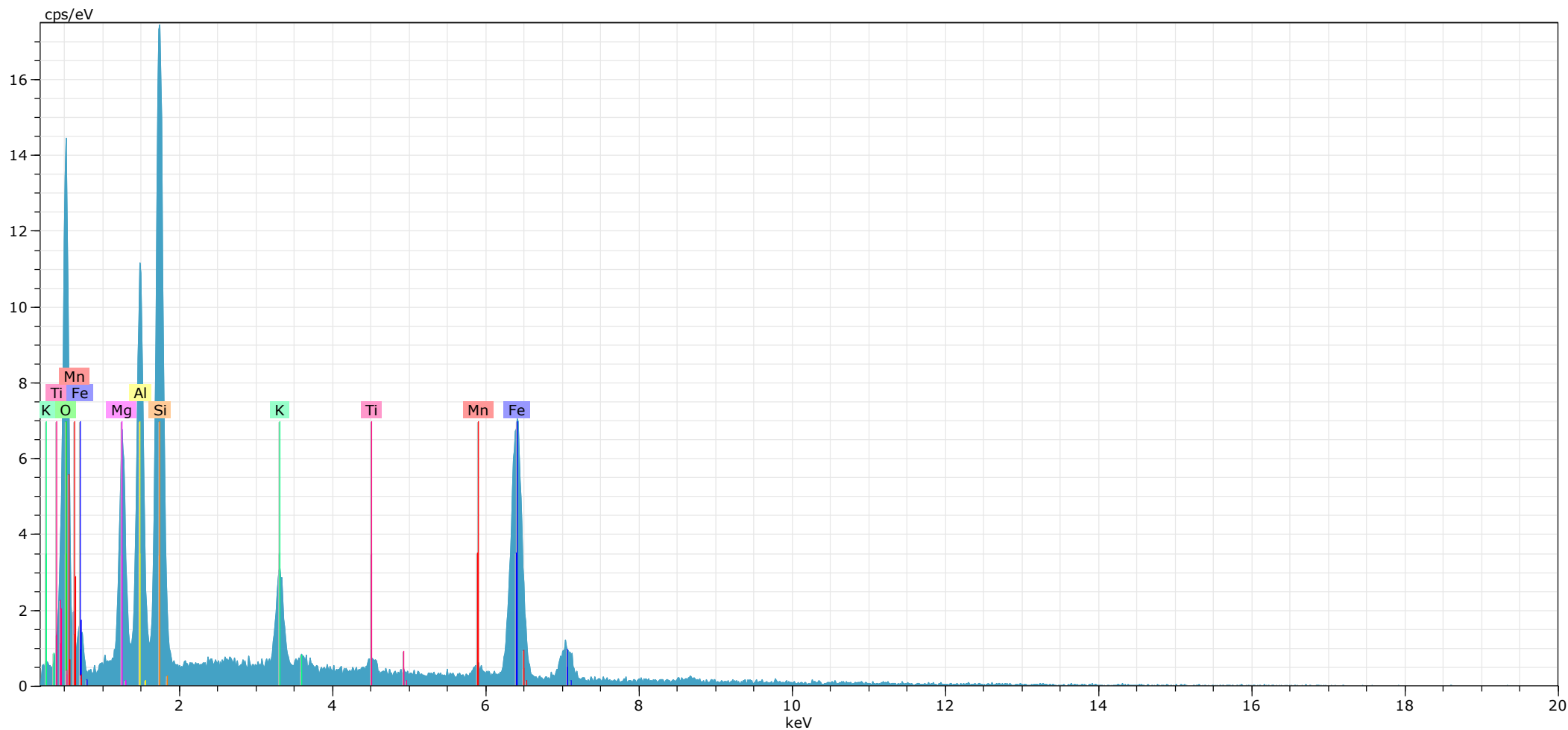
4.2-3 70 Date:5/7/2014 10:16:02 AM HV:20.0kV Puls th.:14.48kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.79	4.66	11.54	1.23
O	8	K-series	29.17	28.39	52.79	3.92
Fe	26	K-series	68.81	66.96	35.67	1.88
Total:			102.77	100.00	100.00	



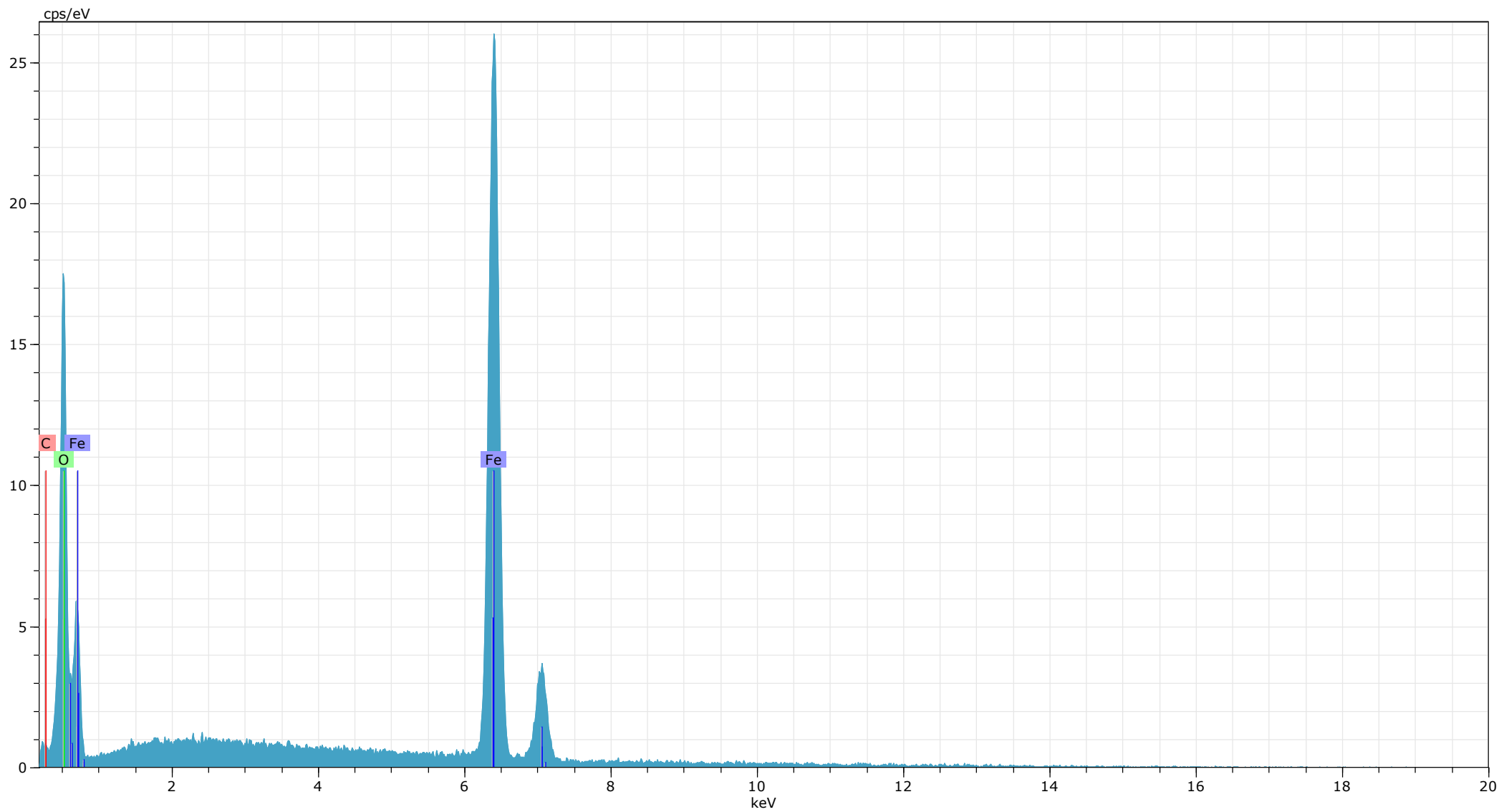
4.2-3 71 Date:5/7/2014 10:16:13 AM HV:20.0kV Puls th.:12.77kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	39.10	42.78	61.50	5.25
Mg	12	K-series	6.48	7.09	6.71	0.40
Al	13	K-series	9.53	10.43	8.89	0.50
Si	14	K-series	13.21	14.45	11.83	0.60
K	19	K-series	3.14	3.44	2.02	0.14
Ti	22	K-series	0.81	0.89	0.43	0.07
Mn	25	K-series	0.51	0.56	0.23	0.06
Fe	26	K-series	18.62	20.37	8.39	0.55
Total:			91.40	100.00	100.00	



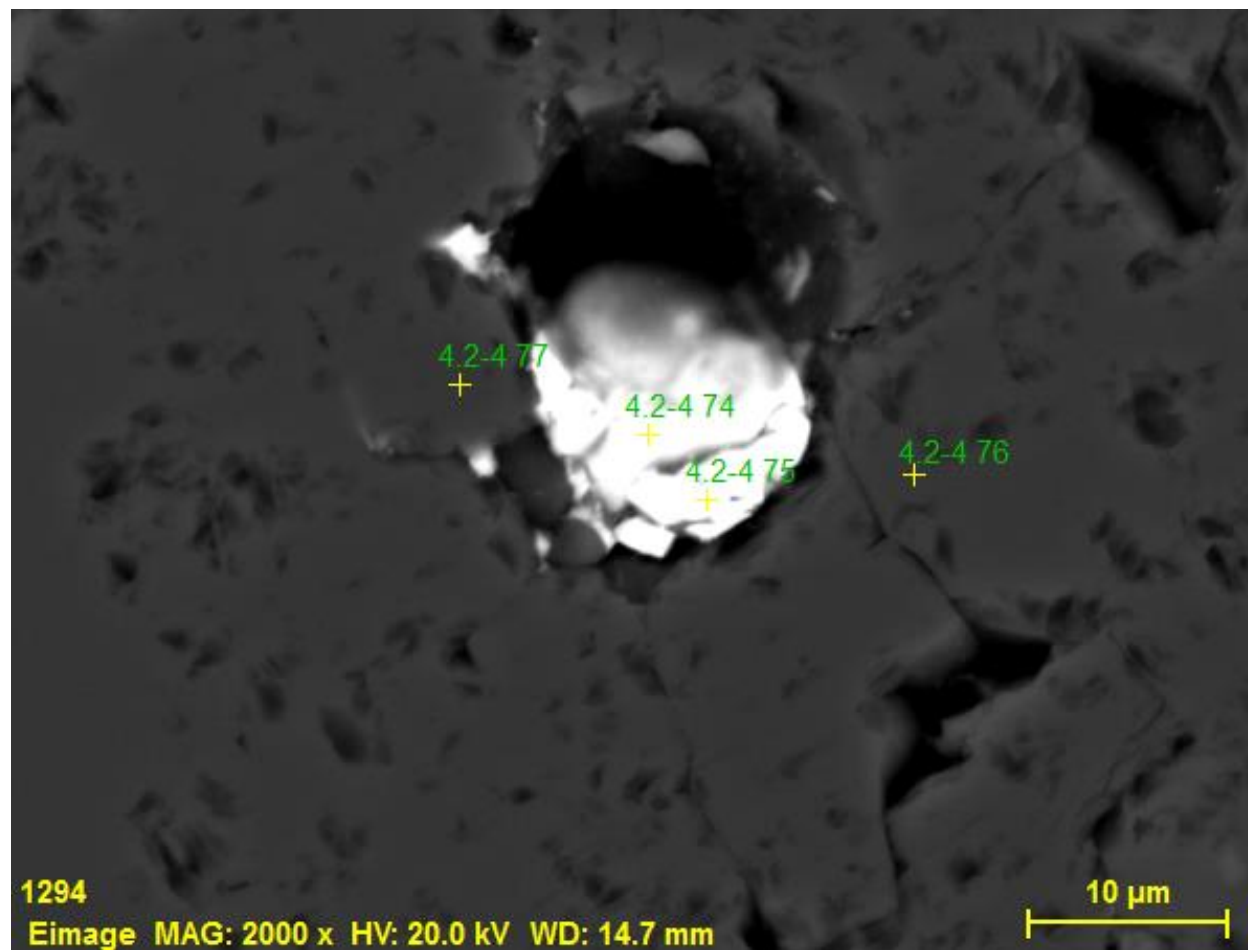
4.2-3 72 Date:5/7/2014 10:16:23 AM HV:20.0kV Puls th.:12.15kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	29.42	37.54	57.75	4.09
Mg	12	K-series	4.44	5.67	5.74	0.29
Al	13	K-series	7.34	9.36	8.54	0.39
Si	14	K-series	11.44	14.60	12.80	0.53
K	19	K-series	2.59	3.30	2.08	0.12
Ti	22	K-series	0.68	0.87	0.45	0.06
Mn	25	K-series	0.67	0.85	0.38	0.06
Fe	26	K-series	21.80	27.81	12.26	0.64
Total:			78.37	100.00	100.00	



4.2-3 73 Date:5/7/2014 10:16:34 AM HV:20.0kV Puls th.:14.52kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.35	4.32	10.73	1.15
O	8	K-series	28.88	28.68	53.48	3.87
Fe	26	K-series	67.46	67.00	35.79	1.84
Total:			100.69	100.00	100.00	



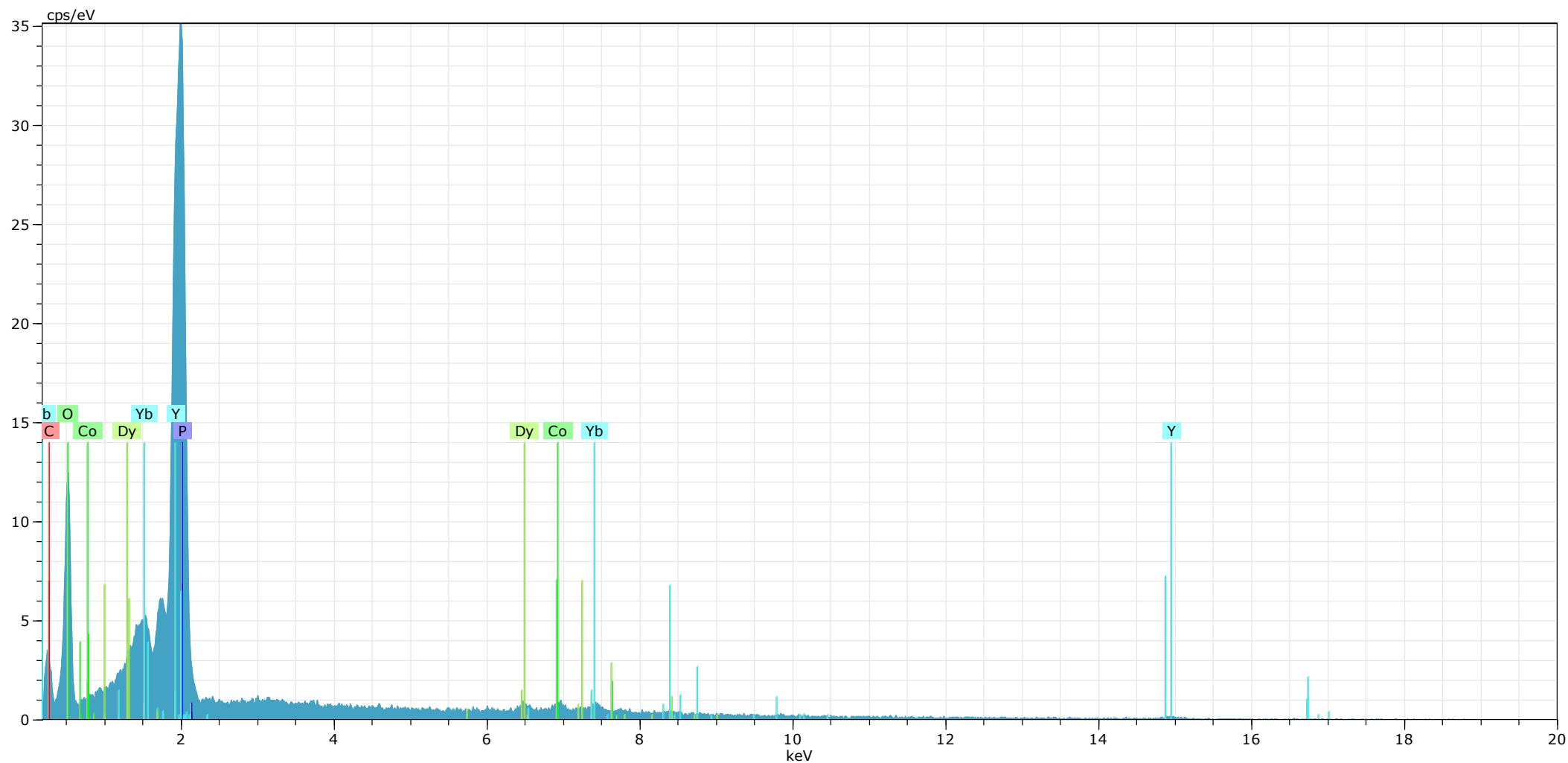
1294

Date:5/7/2014 10:19:59 AM

Image size:1000 x 750

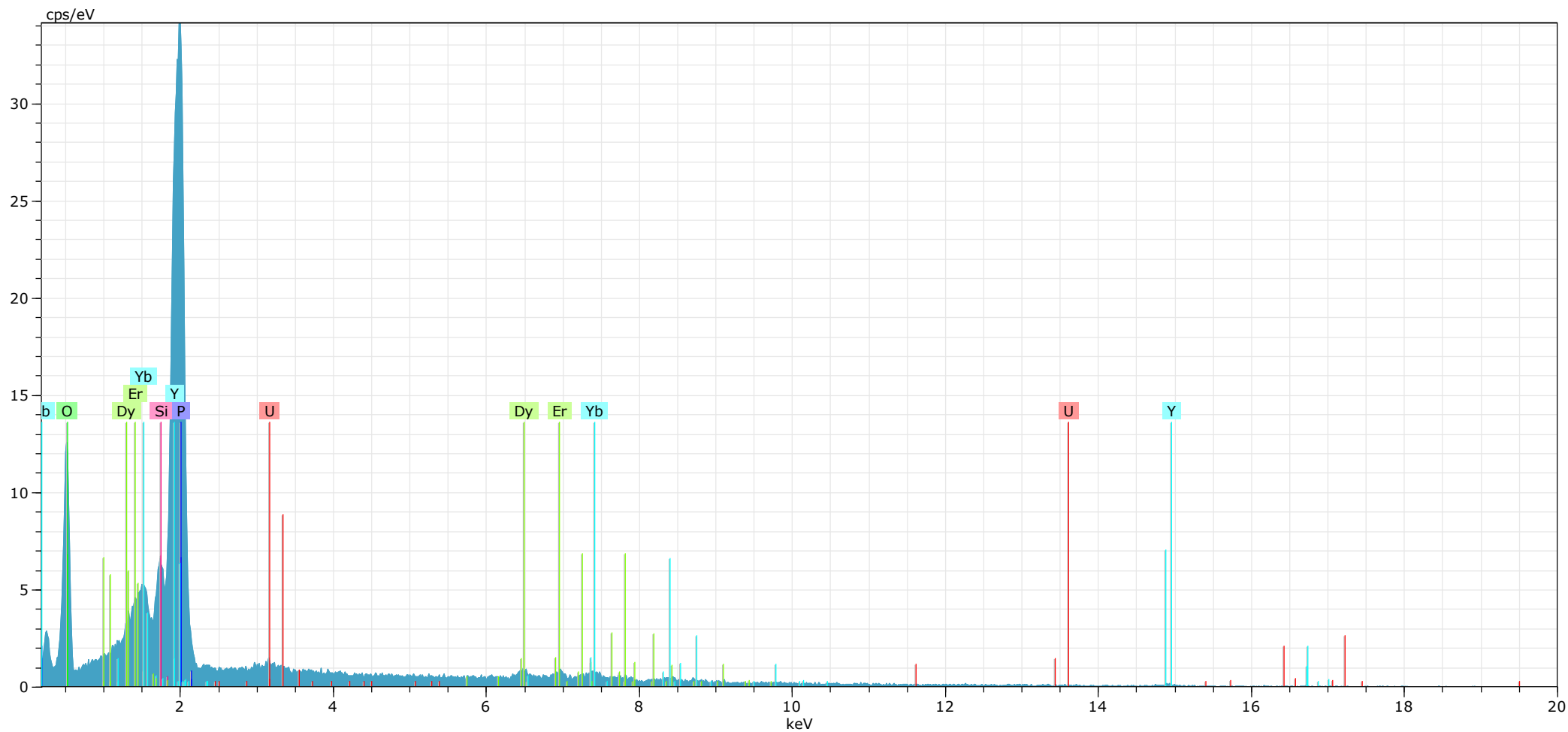
Mag:2000x

HV:20.0kV



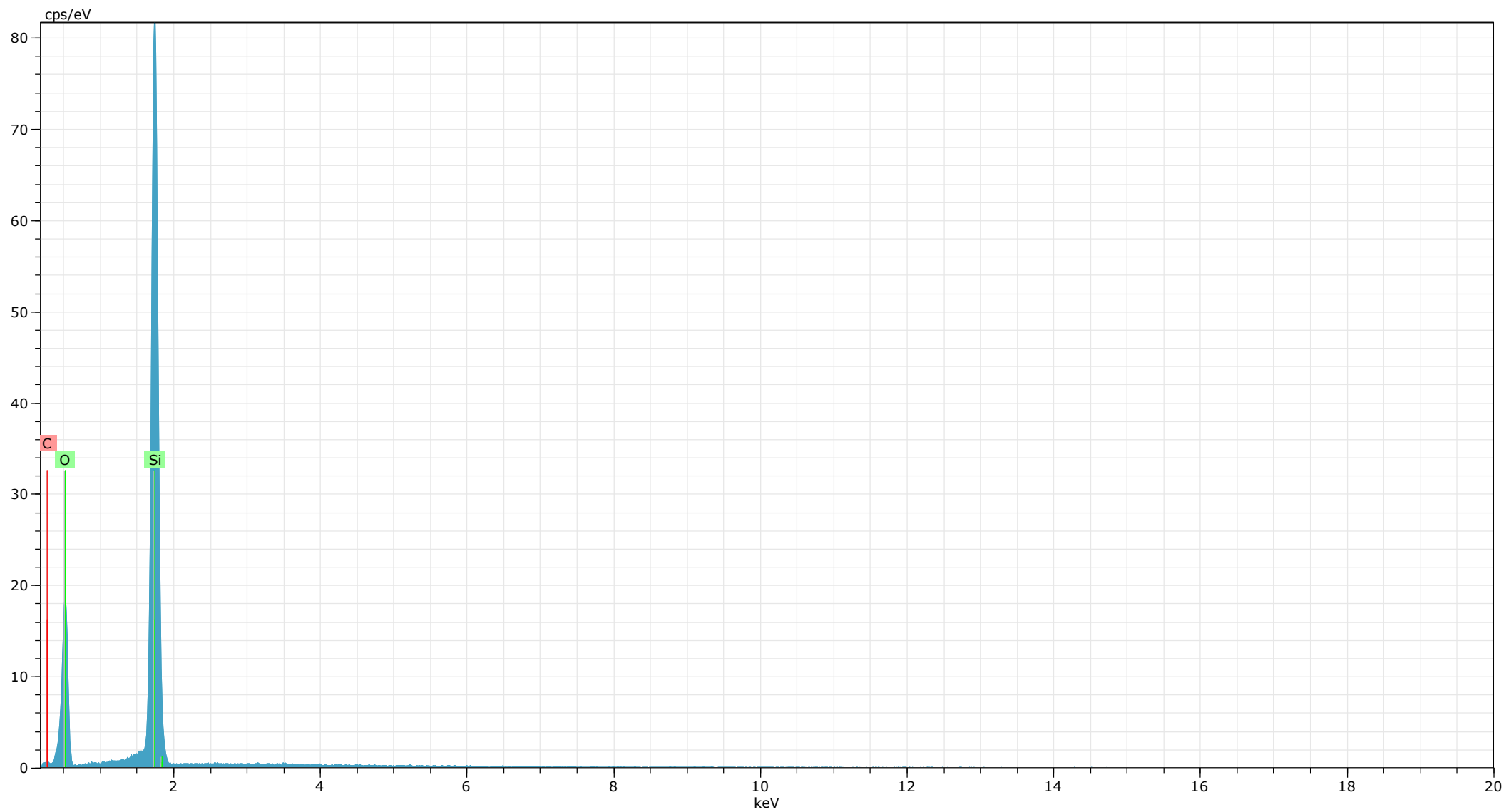
4.2-4 74 Date:5/7/2014 10:20:43 AM HV:20.0kV Puls th.:19.00kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	17.81	20.86	36.73	3.17
O	8	K-series	31.61	37.00	48.92	4.43
P	15	K-series	9.06	10.61	7.24	0.38
Co	27	K-series	1.10	1.28	0.46	0.07
Y	39	L-series	21.70	25.40	6.04	0.89
Dy	66	L-series	1.70	1.99	0.26	0.10
Yb	70	L-series	2.44	2.86	0.35	0.13
Total:			85.42	100.00	100.00	



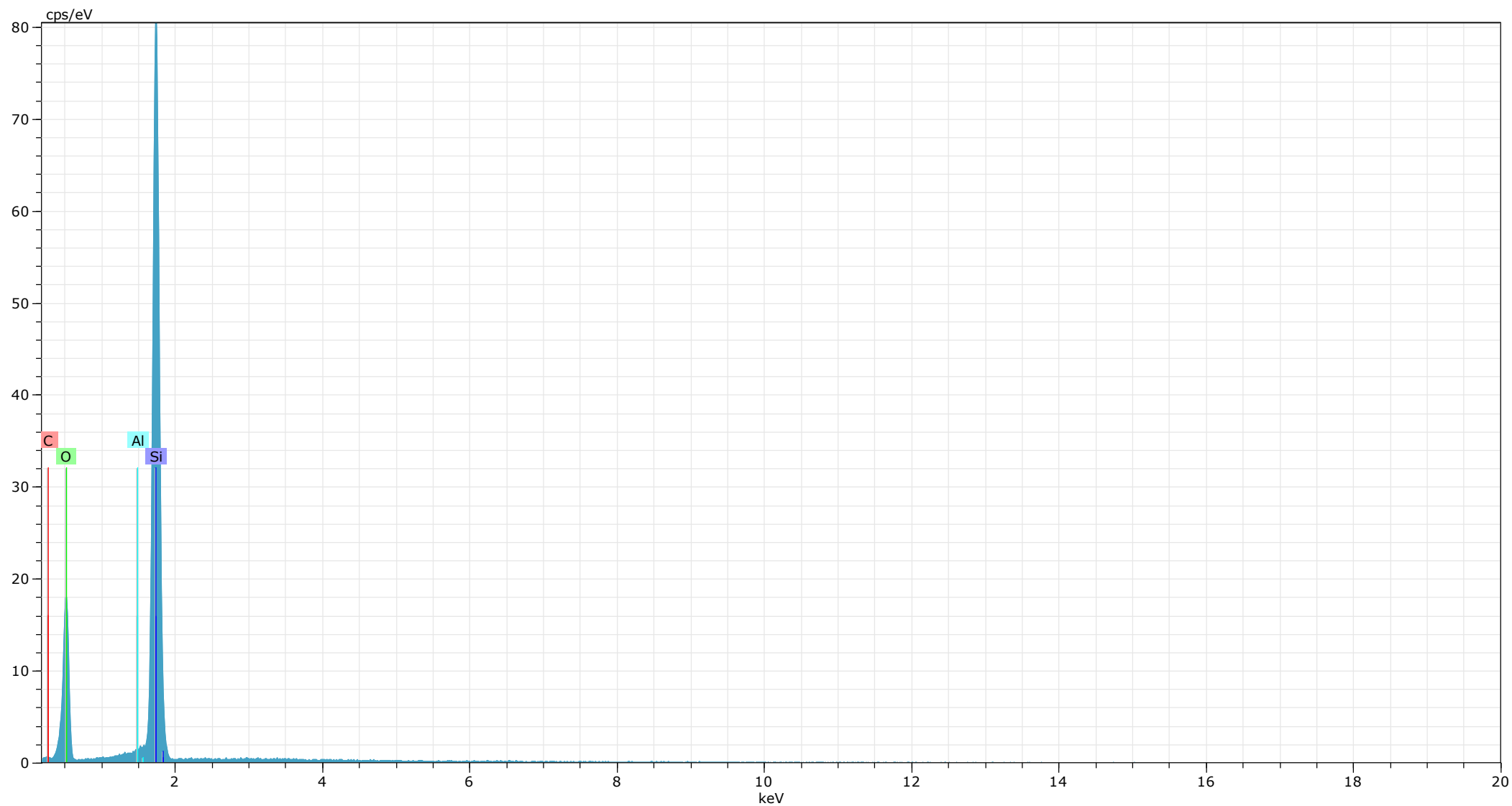
4.2-4 75 Date:5/7/2014 10:20:53 AM HV:20.0kV Puls th.:18.93kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	35.09	38.65	71.63	4.91
Si	14	K-series	2.13	2.35	2.48	0.13
P	15	K-series	12.28	13.53	12.95	0.51
Y	39	L-series	28.79	31.71	10.58	1.18
Dy	66	L-series	3.37	3.71	0.68	0.16
Er	68	L-series	3.94	4.34	0.77	0.18
Yb	70	L-series	3.88	4.27	0.73	0.18
U	92	M-series	1.32	1.45	0.18	0.09
Total:			90.79	100.00	100.00	



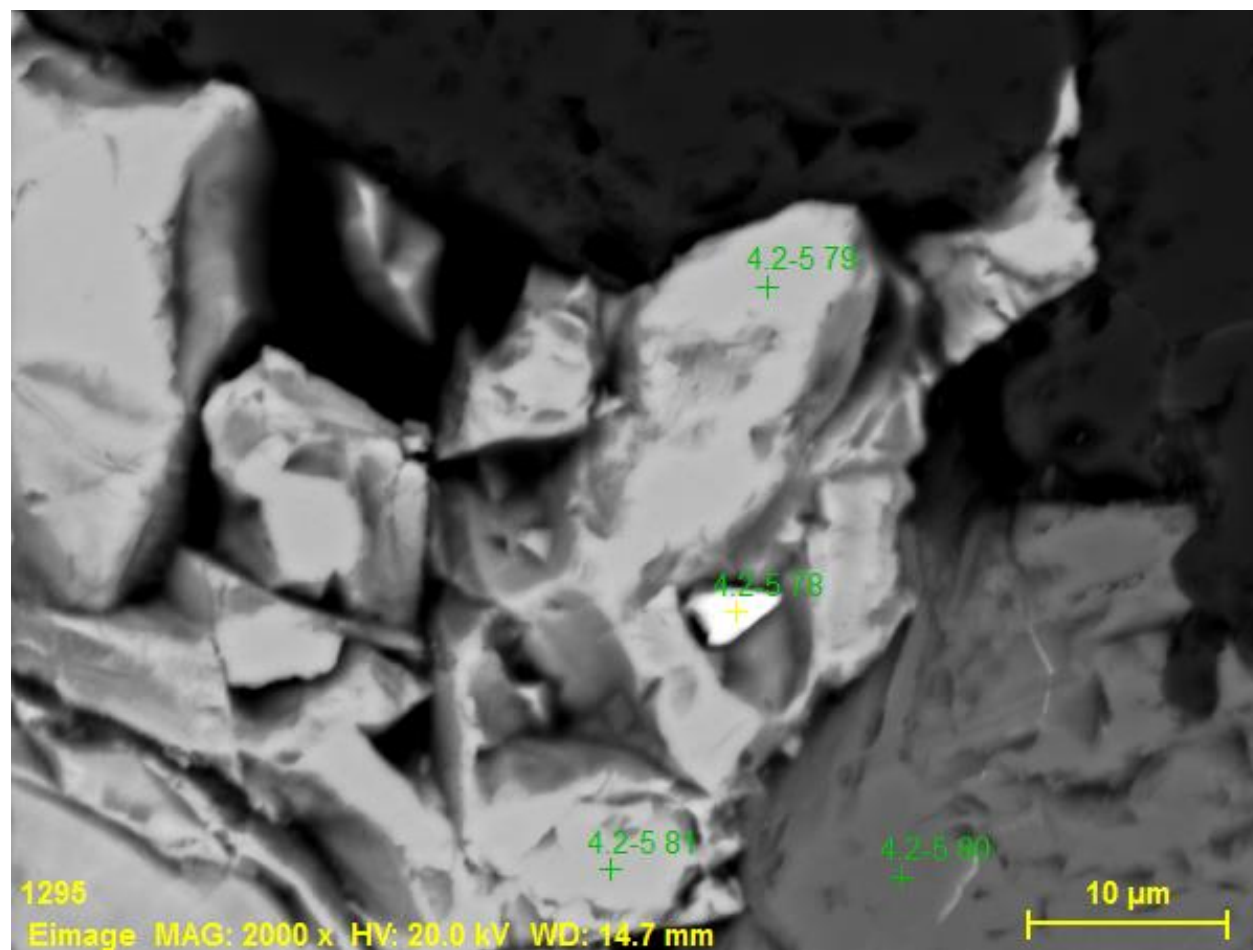
4.2-4 76 Date:5/7/2014 10:21:04 AM HV:20.0kV Puls th.:15.98kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	5.55	7.85	12.48	1.49
O	8	K-series	34.23	48.43	57.80	4.54
Si	14	K-series	30.90	43.72	29.72	1.35
Total:			70.68	100.00	100.00	

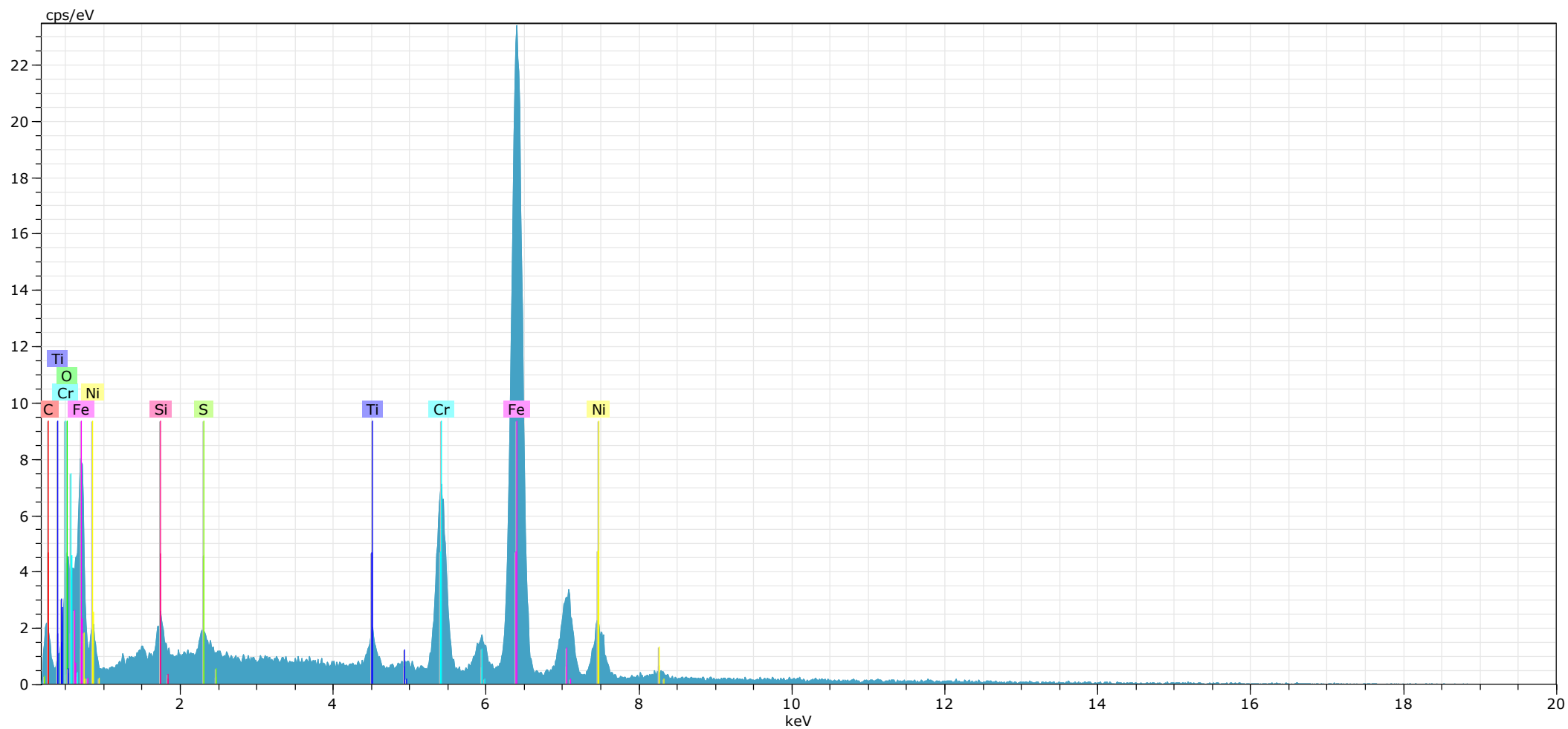


4.2-4 77 Date:5/7/2014 10:21:15 AM HV:20.0kV Puls th.:15.82kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.29	7.91	12.60	1.95
O	8	K-series	44.15	47.87	57.25	5.86
Al	13	K-series	0.52	0.56	0.40	0.06
Si	14	K-series	40.27	43.66	29.75	1.75
Total:			92.23	100.00	100.00	

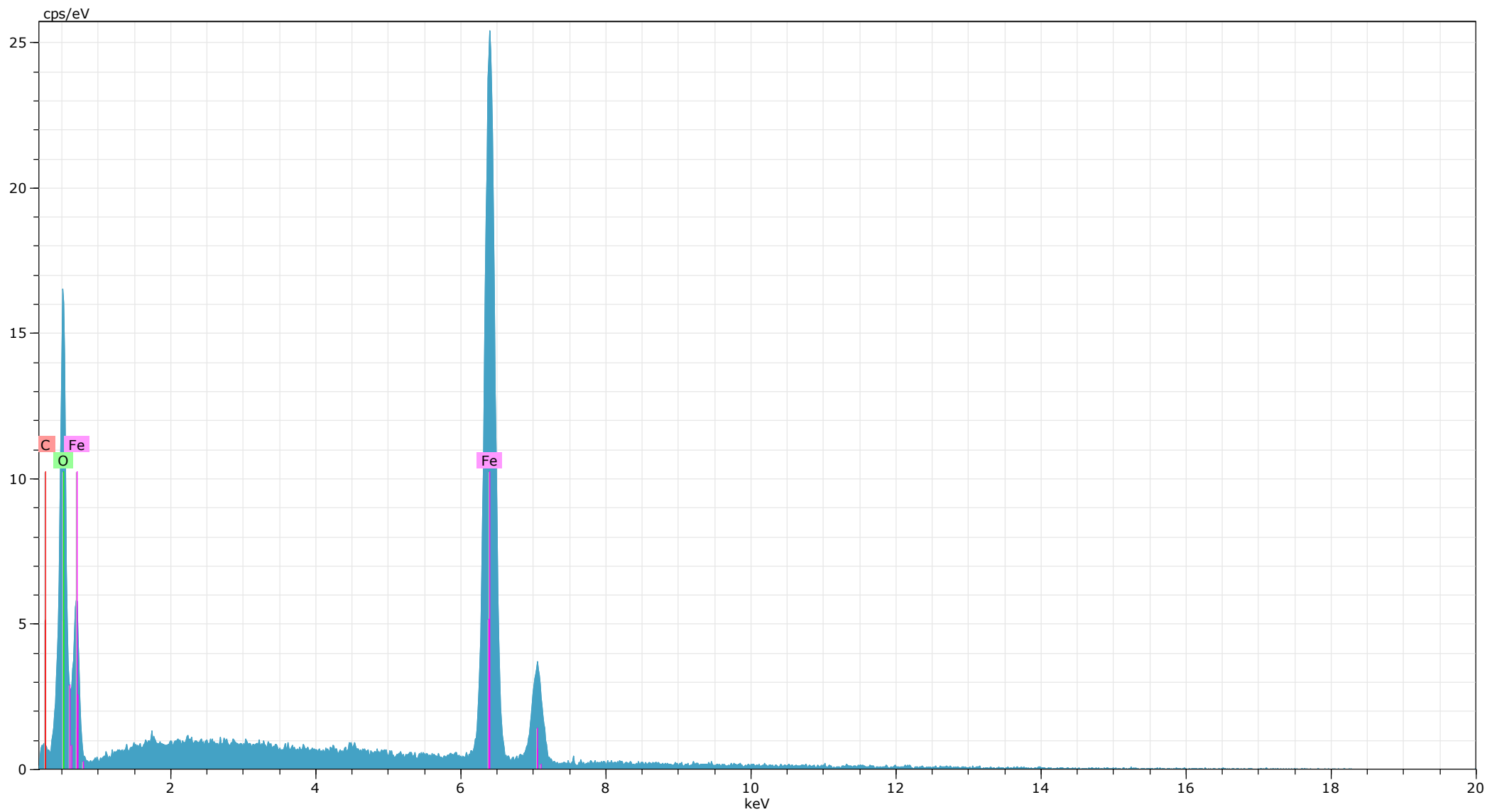


1295
Date:5/7/2014 10:30:18 AM
Image size:1000 x 750
Mag:2000x
HV:20.0kV



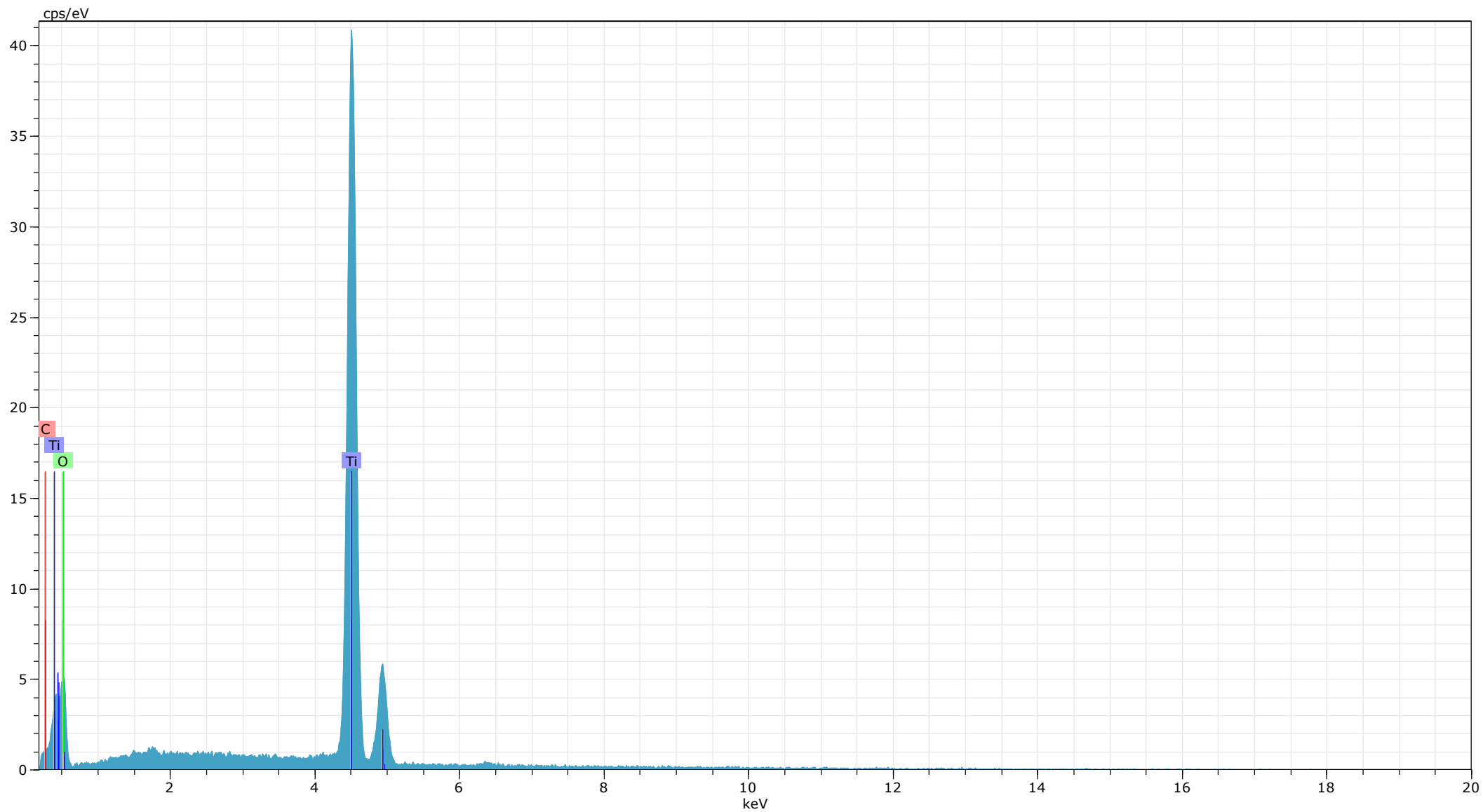
4.2-5 78 Date:5/7/2014 10:31:04 AM HV:20.0kV Puls th.:15.89kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	13.35	11.89	35.31	2.69
O	8	K-series	5.30	4.72	10.53	1.07
Si	14	K-series	0.63	0.56	0.72	0.06
S	16	K-series	0.57	0.51	0.57	0.06
Ti	22	K-series	1.52	1.35	1.01	0.08
Cr	24	K-series	10.82	9.64	6.61	0.34
Fe	26	K-series	70.37	62.71	40.03	1.93
Ni	28	K-series	9.66	8.61	5.23	0.34
Total:			112.22	100.00	100.00	



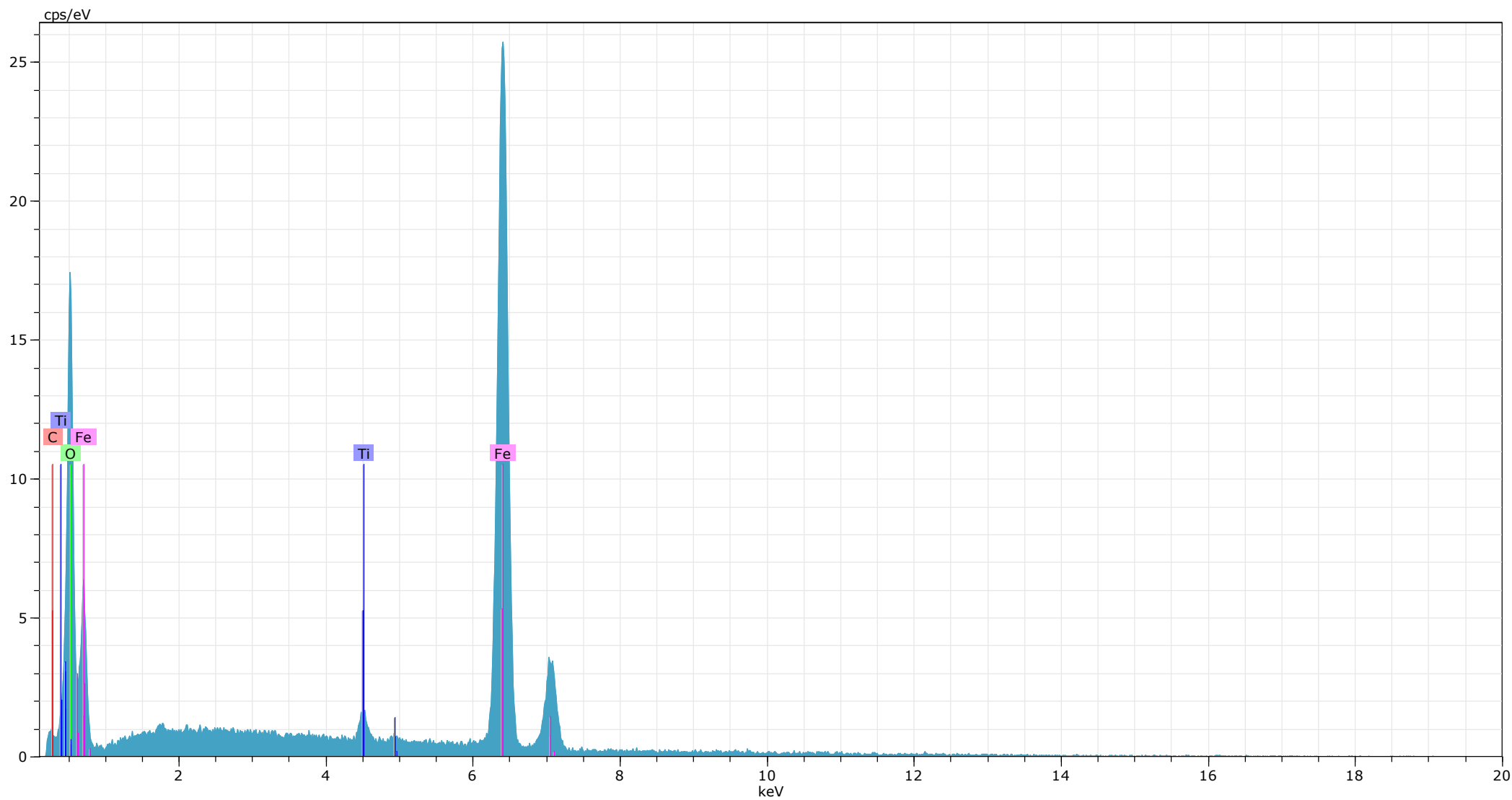
4.2-5 79 Date:5/7/2014 10:31:14 AM HV:20.0kV Puls th.:14.27kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.97	4.46	11.23	1.06
O	8	K-series	24.43	27.43	51.87	3.33
Fe	26	K-series	60.67	68.11	36.90	1.66
Total:			89.08	100.00	100.00	



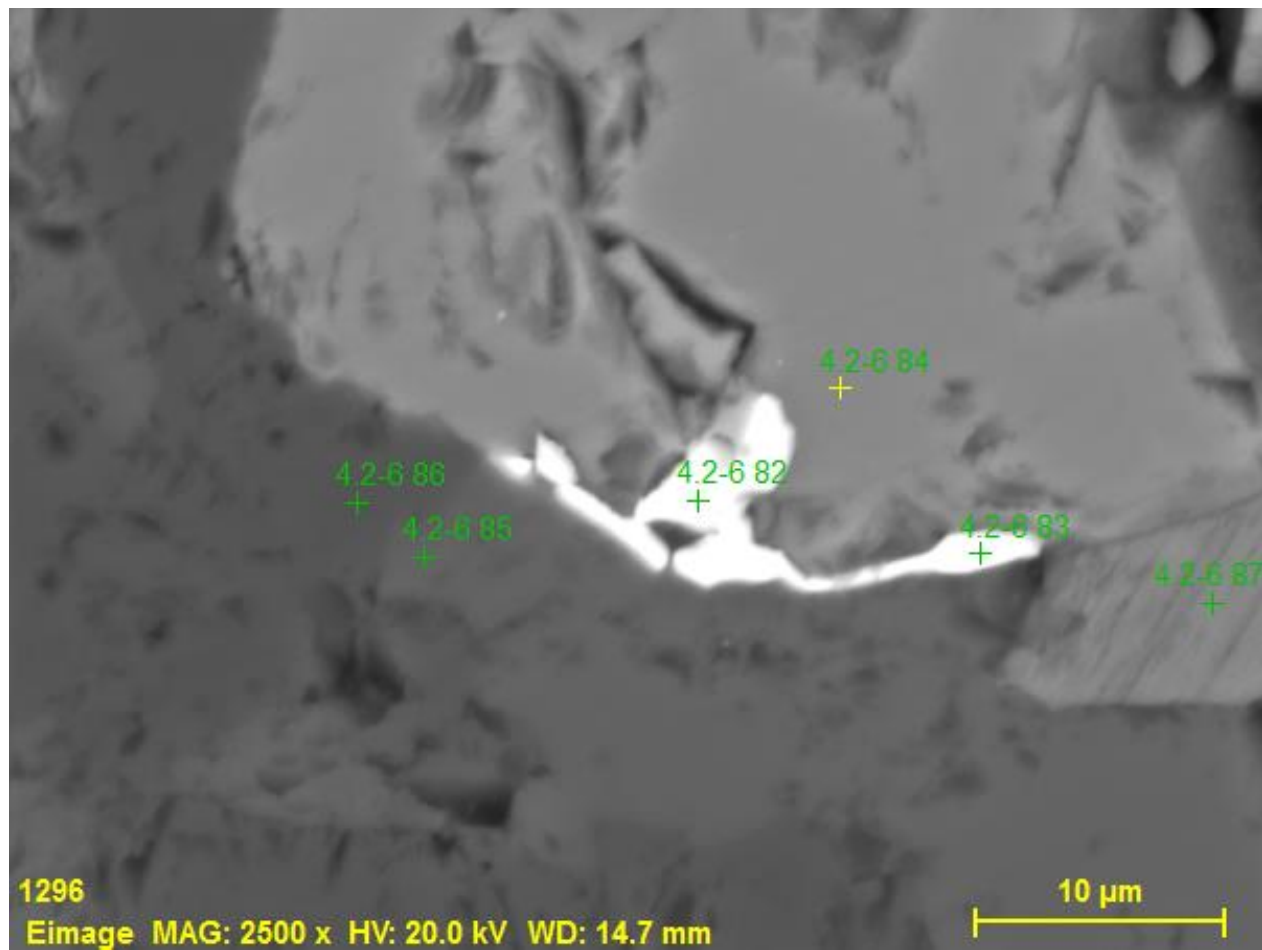
4.2-5 80 Date:5/7/2014 10:31:25 AM HV:20.0kV Puls th.:13.97kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.70	3.99	8.56	0.92
O	8	K-series	34.40	37.09	59.74	5.70
Ti	22	K-series	54.63	58.92	31.70	1.55
Total:			92.73	100.00	100.00	

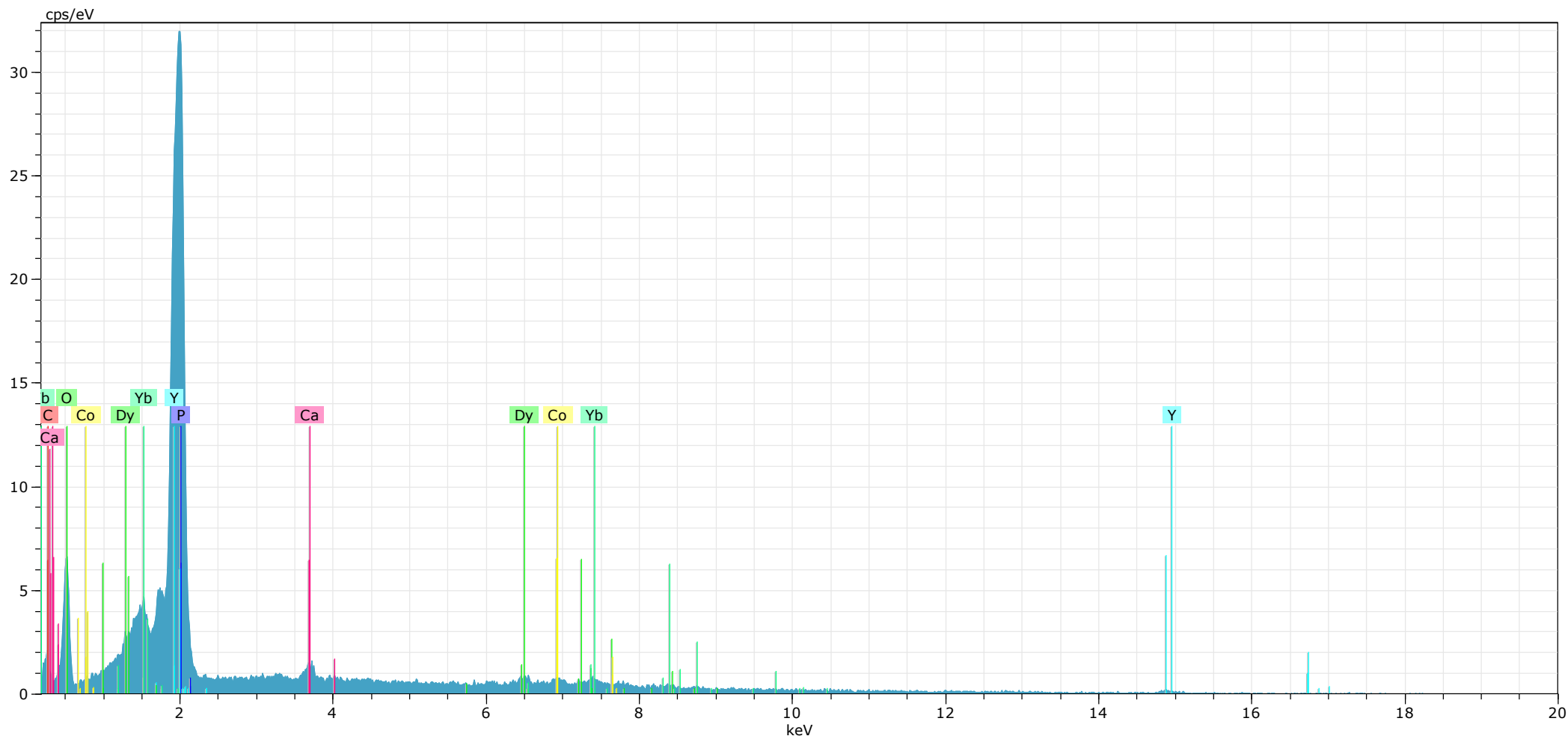


4.2-5 81 Date:5/7/2014 10:31:36 AM HV:20.0kV Puls th.:14.63kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.14	4.47	11.04	1.08
O	8	K-series	26.66	28.77	53.37	3.60
Ti	22	K-series	1.24	1.34	0.83	0.07
Fe	26	K-series	60.62	65.42	34.76	1.66
Total:			92.66	100.00	100.00	

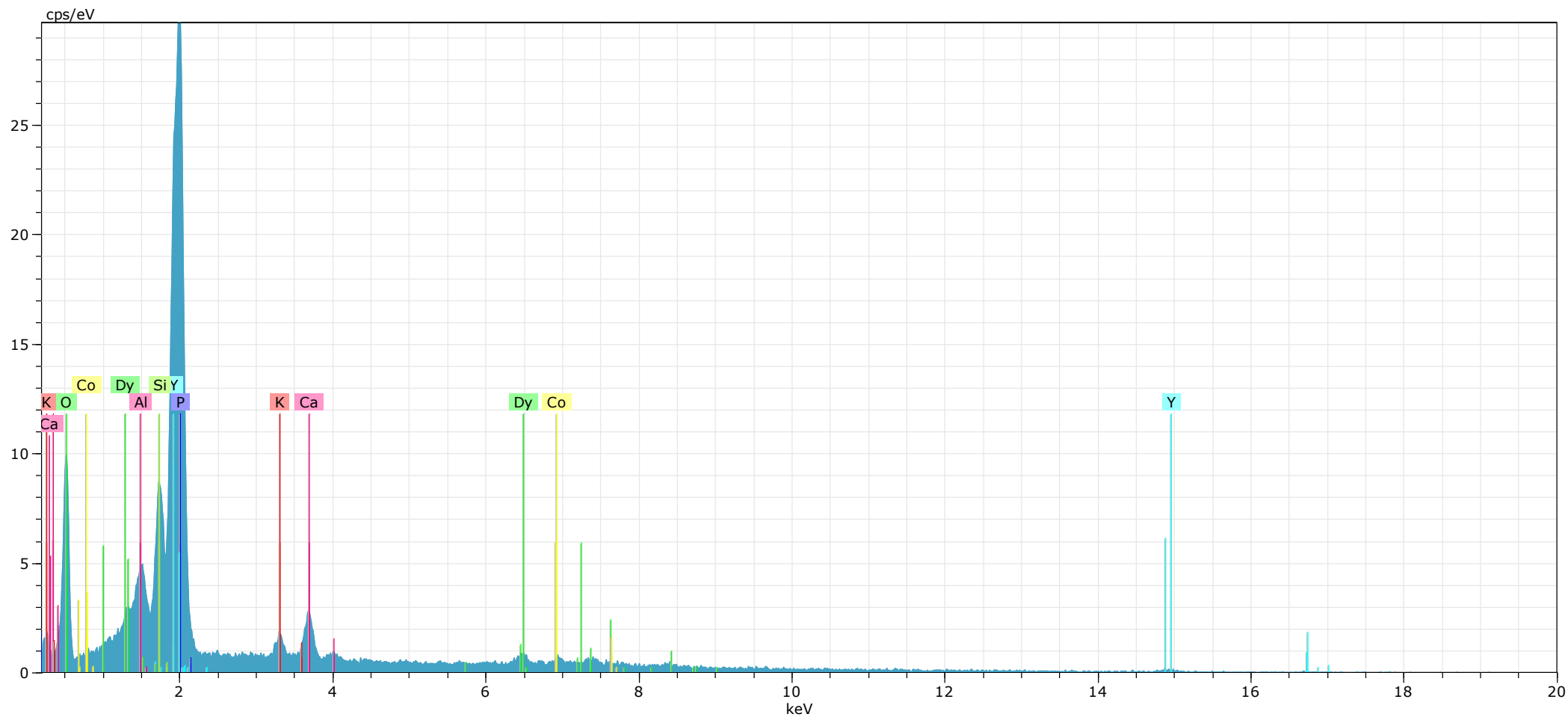


1296
Date:5/7/2014 10:35:49 AM
Image size:1000 x 750
Mag:2500x
HV:20.0kV



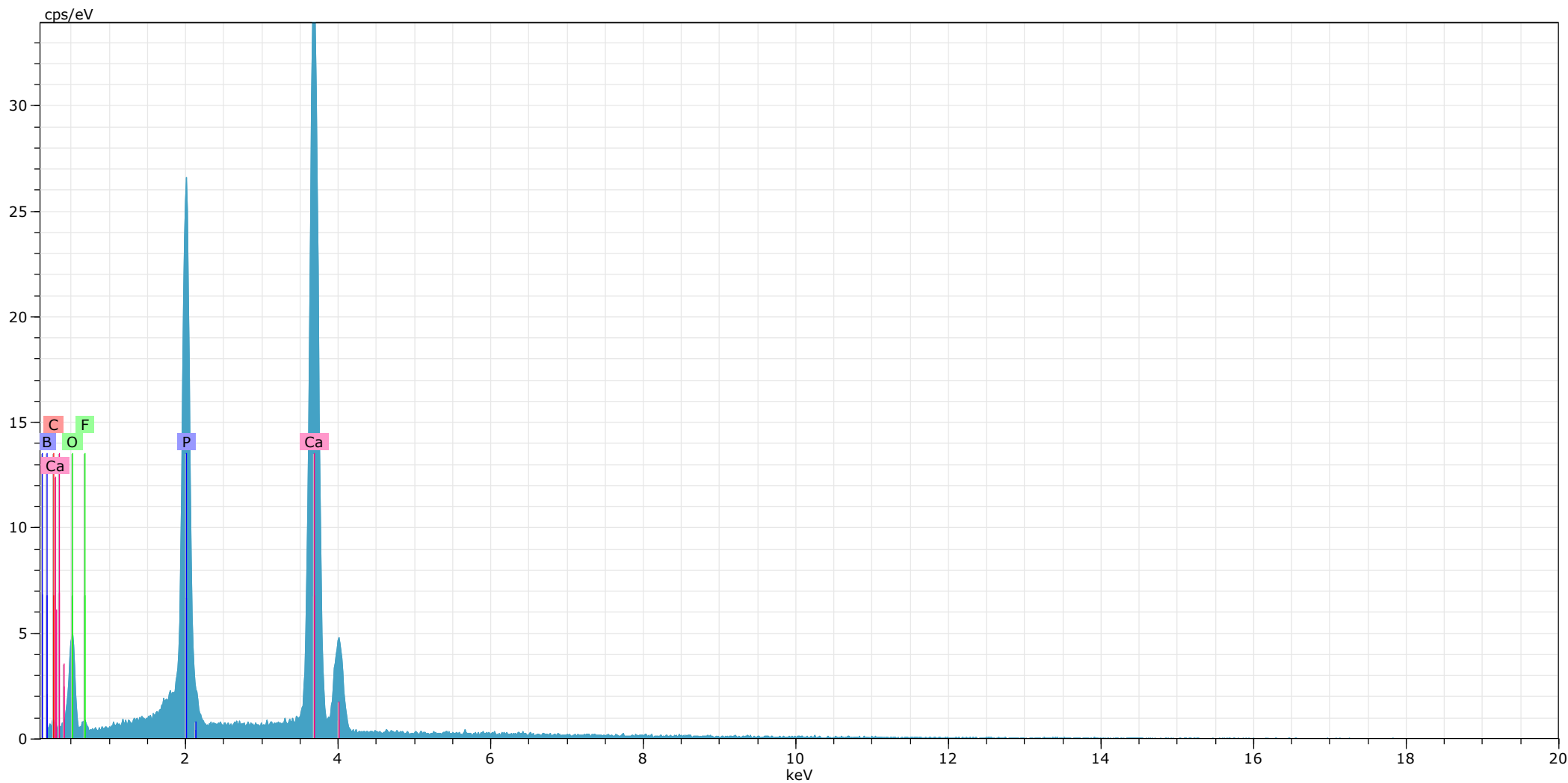
4.2-6 82 Date:5/7/2014 10:37:07 AM HV:20.0kV Puls th.:16.70kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	12.14	14.94	30.96	2.63
O	8	K-series	24.11	29.69	46.17	3.74
P	15	K-series	11.86	14.60	11.73	0.50
Ca	20	K-series	0.60	0.74	0.46	0.05
Co	27	K-series	0.92	1.13	0.48	0.07
Y	39	L-series	27.40	33.74	9.44	1.13
Dy	66	L-series	1.82	2.25	0.34	0.10
Yb	70	L-series	2.36	2.91	0.42	0.13
Total:			81.22	100.00	100.00	



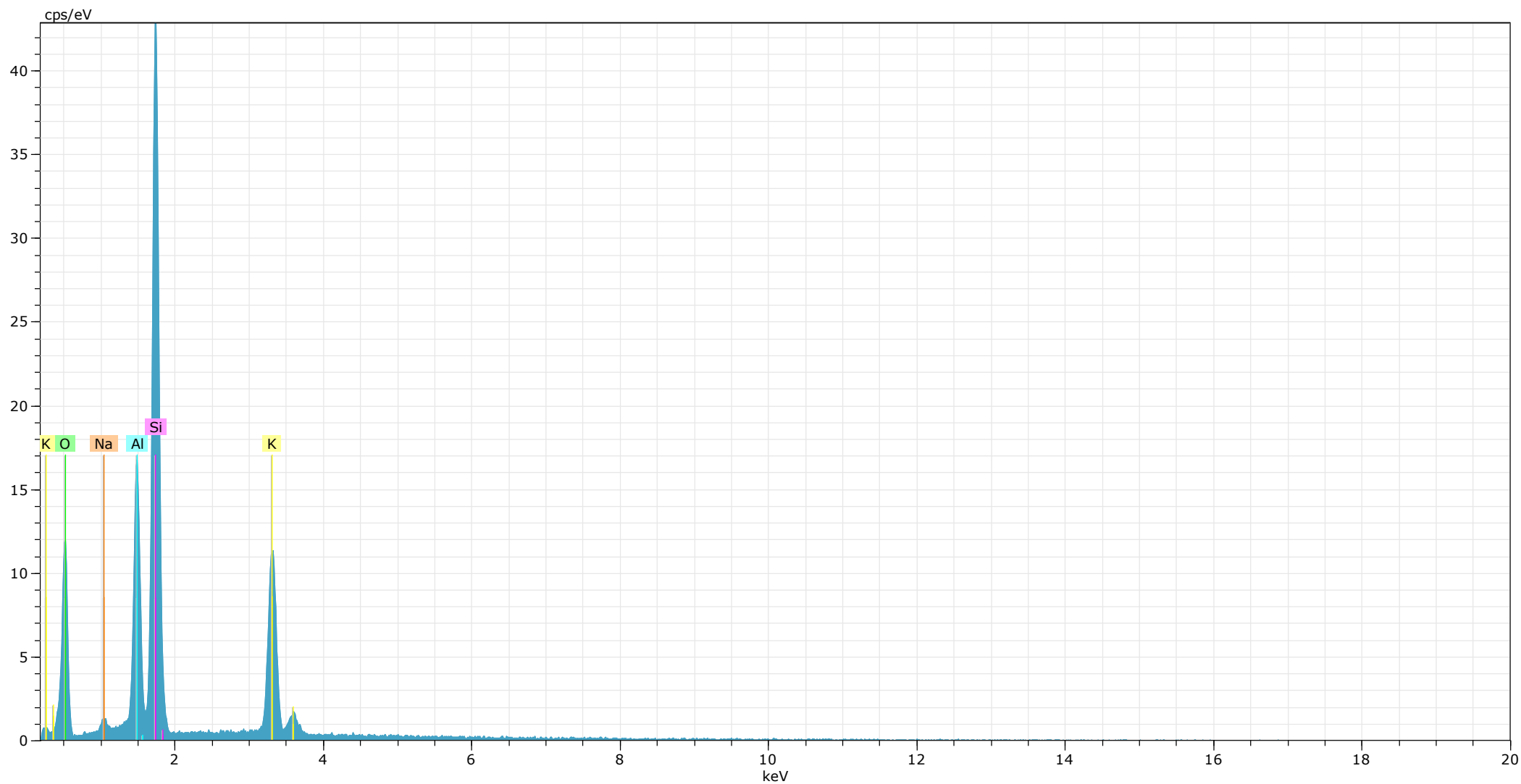
4.2-6 83 Date:5/7/2014 10:37:18 AM HV:20.0kV Puls th.:17.12kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	30.30	39.19	66.89	4.38
Al	13	K-series	2.34	3.03	3.06	0.15
Si	14	K-series	3.24	4.19	4.07	0.17
P	15	K-series	10.87	14.05	12.39	0.46
K	19	K-series	0.96	1.24	0.87	0.07
Ca	20	K-series	2.50	3.23	2.20	0.11
Co	27	K-series	0.83	1.07	0.49	0.07
Y	39	L-series	23.88	30.89	9.49	0.99
Dy	66	L-series	2.41	3.12	0.52	0.12
Total:			77.31	100.00	100.00	



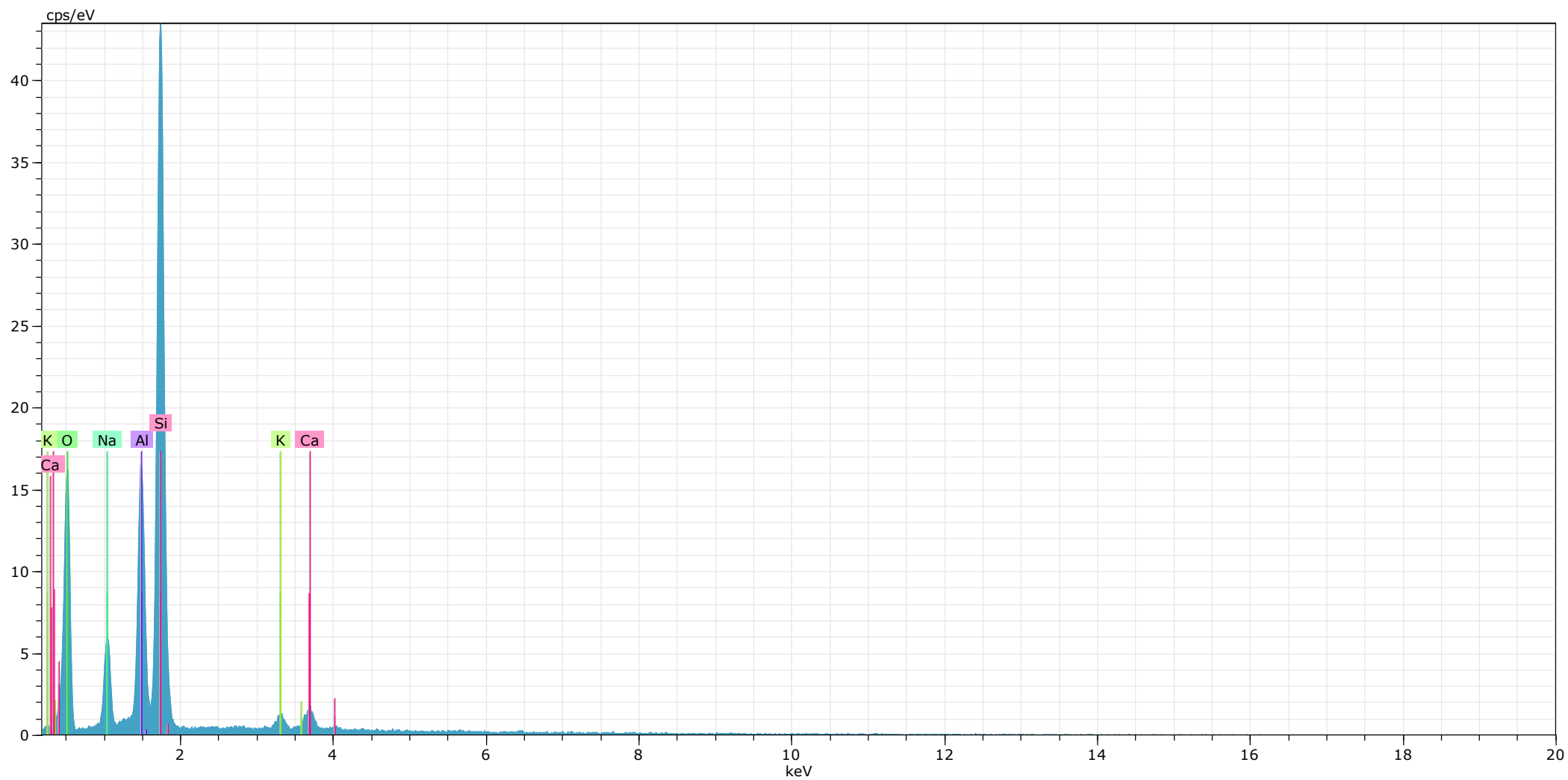
4.2-6 84 Date:5/7/2014 10:37:28 AM HV:20.0kV Puls th.:15.37kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	4.05	4.74	9.81	2.16
C	6	K-series	2.82	3.30	6.14	0.92
O	8	K-series	28.14	32.94	46.05	4.55
F	9	K-series	3.76	4.40	5.18	0.96
P	15	K-series	12.16	14.23	10.28	0.51
Ca	20	K-series	34.50	40.39	22.54	1.05
Total:			85.43	100.00	100.00	



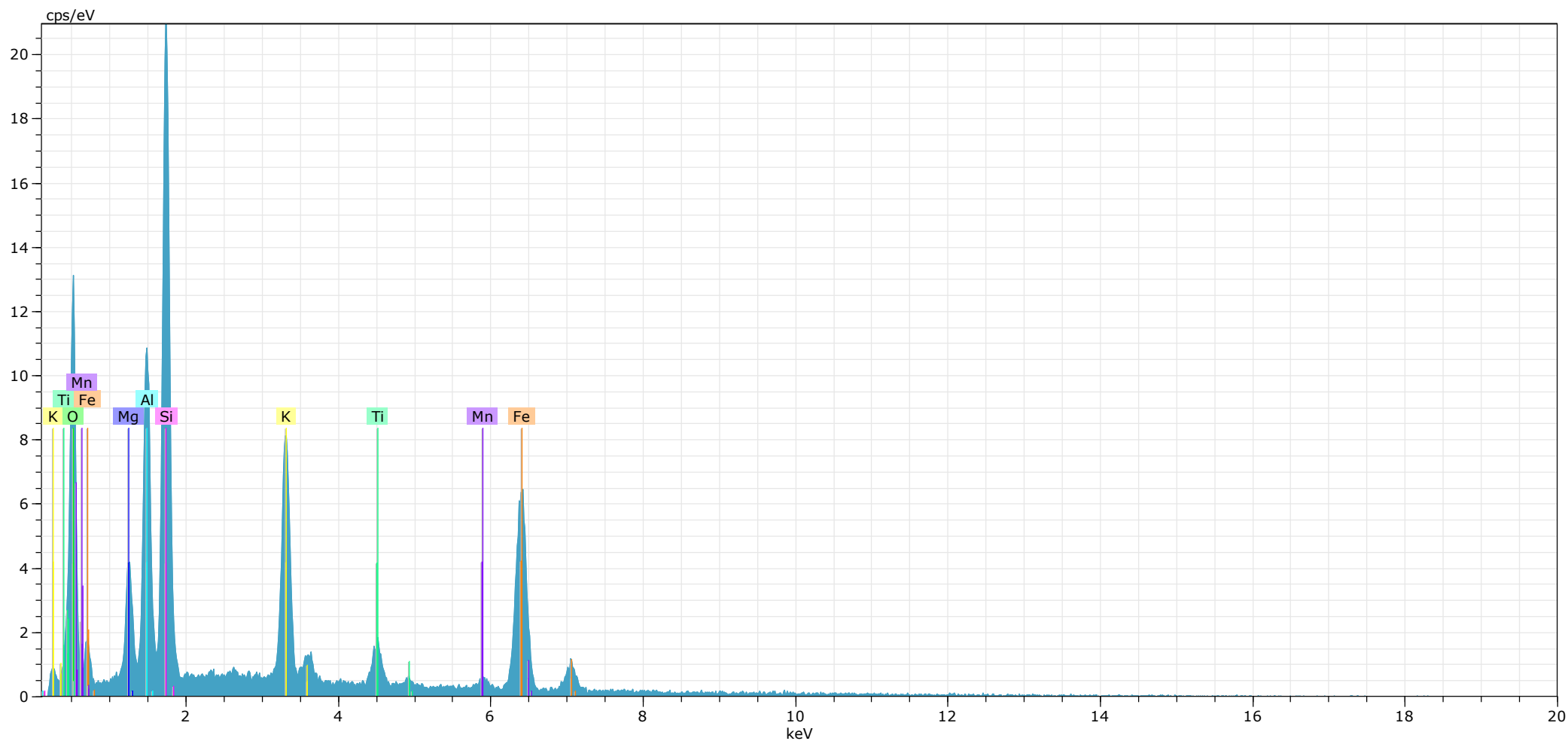
4.2-6 85 Date:5/7/2014 10:37:39 AM HV:20.0kV Puls th.:14.35kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	38.89	44.29	59.66	5.48
Na	11	K-series	0.70	0.79	0.74	0.09
Al	13	K-series	9.98	11.36	9.08	0.52
Si	14	K-series	26.49	30.17	23.15	1.17
K	19	K-series	11.74	13.38	7.37	0.40
Total:			87.79	100.00	100.00	



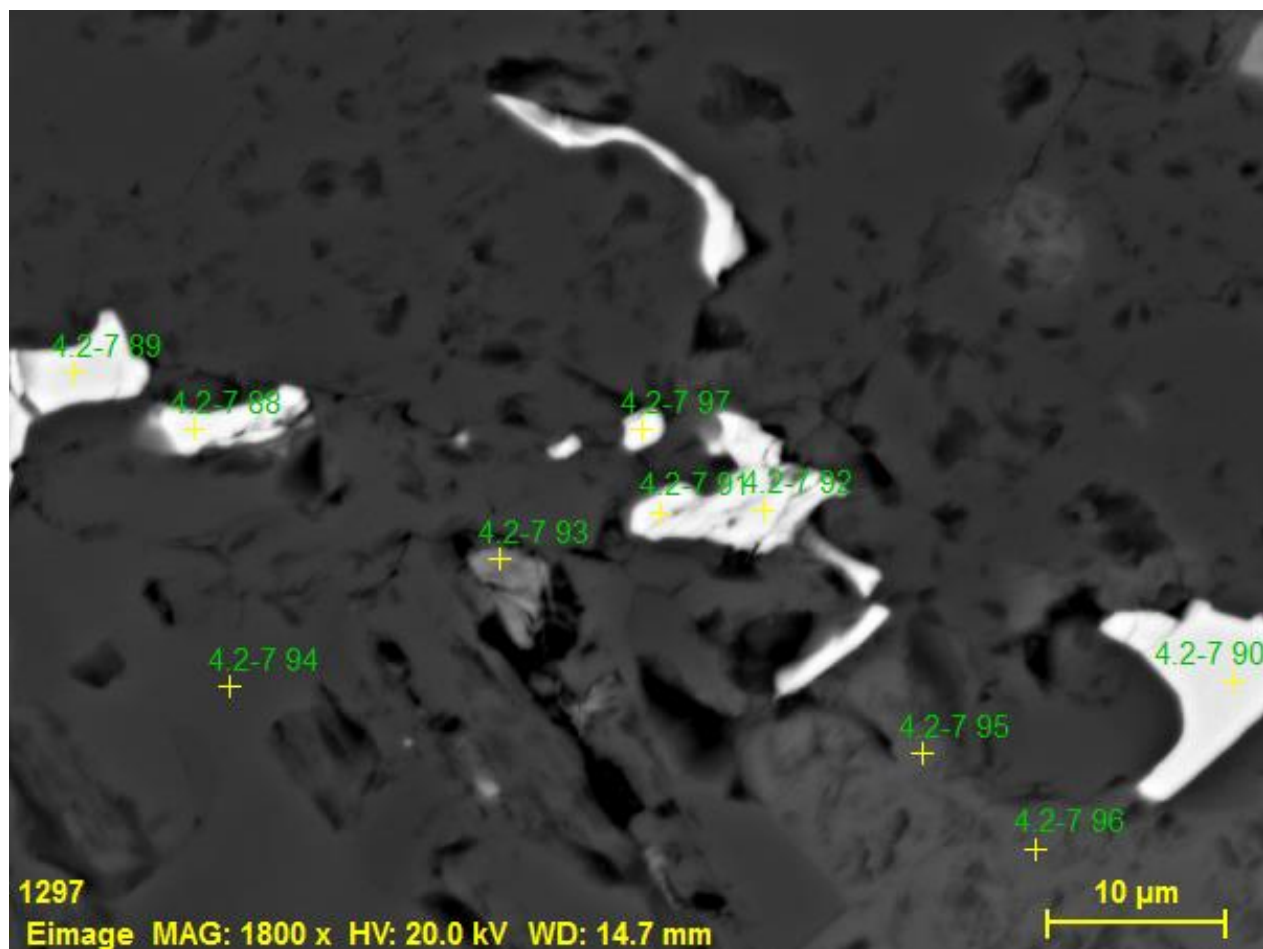
4.2-6 86 Date:5/7/2014 10:37:49 AM HV:20.0kV Puls th.:13.81kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	36.11	46.09	59.72	4.88
Na	11	K-series	4.37	5.58	5.03	0.33
Al	13	K-series	9.32	11.90	9.14	0.48
Si	14	K-series	25.74	32.86	24.25	1.13
K	19	K-series	0.97	1.24	0.66	0.07
Ca	20	K-series	1.82	2.33	1.20	0.10
Total:			78.34	100.00	100.00	



4.2-6 87 Date:5/7/2014 10:38:00 AM HV:20.0kV Puls th.:13.47kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	34.05	38.53	58.64	4.79
Mg	12	K-series	3.24	3.66	3.67	0.22
Al	13	K-series	8.01	9.06	8.18	0.43
Si	14	K-series	13.37	15.13	13.12	0.61
K	19	K-series	7.27	8.23	5.13	0.26
Ti	22	K-series	2.42	2.73	1.39	0.11
Mn	25	K-series	0.65	0.73	0.32	0.06
Fe	26	K-series	19.37	21.92	9.56	0.58
Total:			88.37	100.00	100.00	



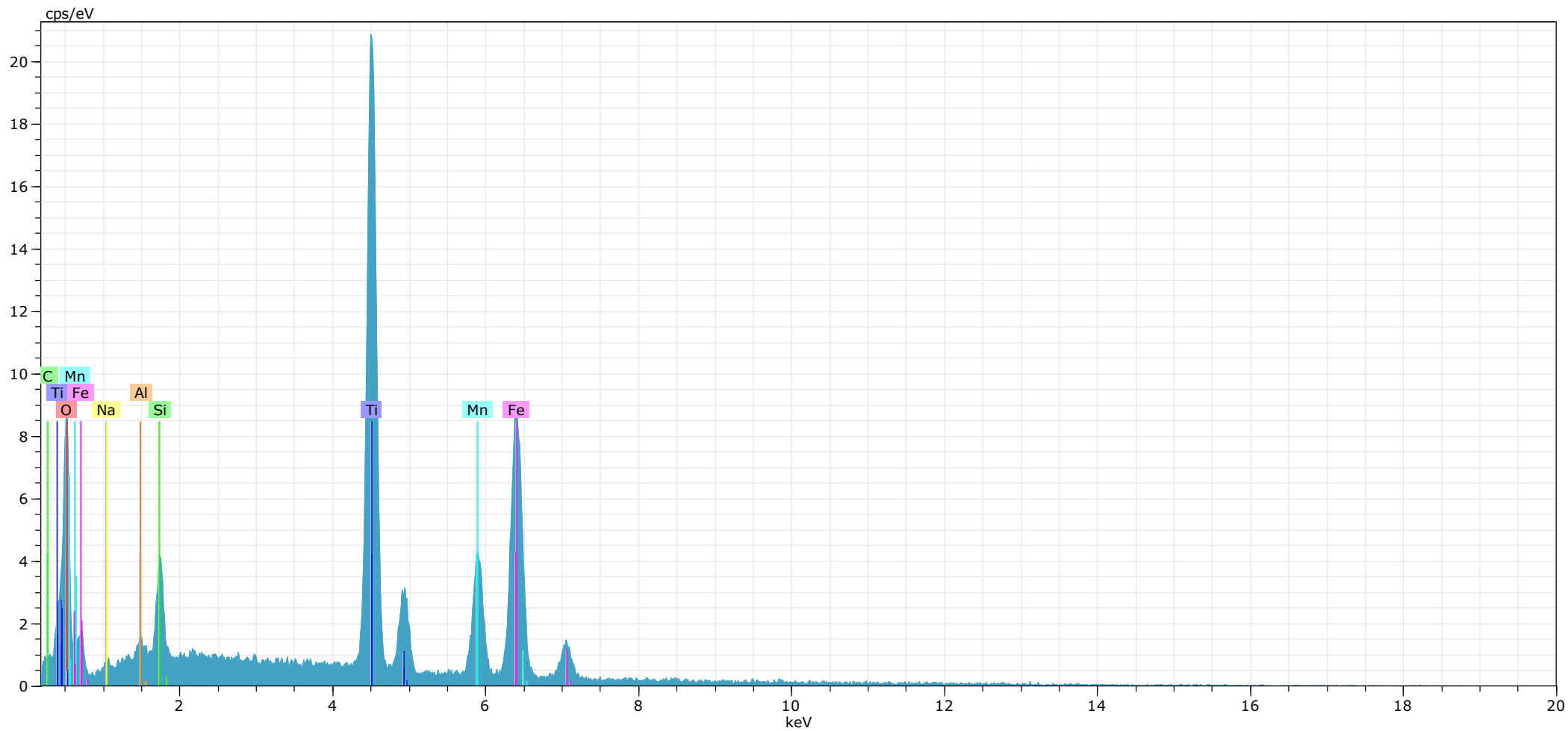
1297

Date:5/7/2014 10:45:11 AM

Image size:1000 x 750

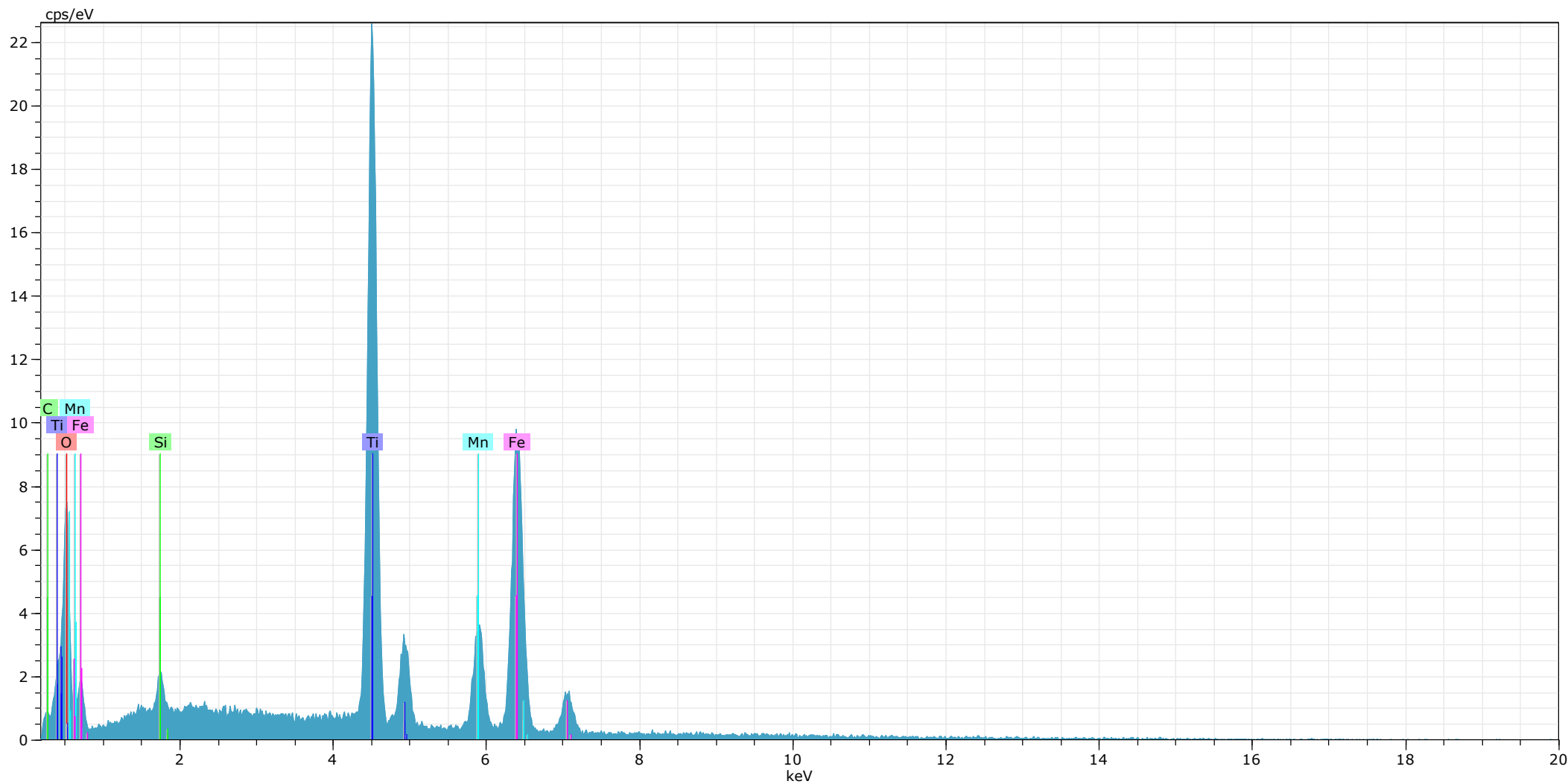
Mag:1800x

HV:20.0kV



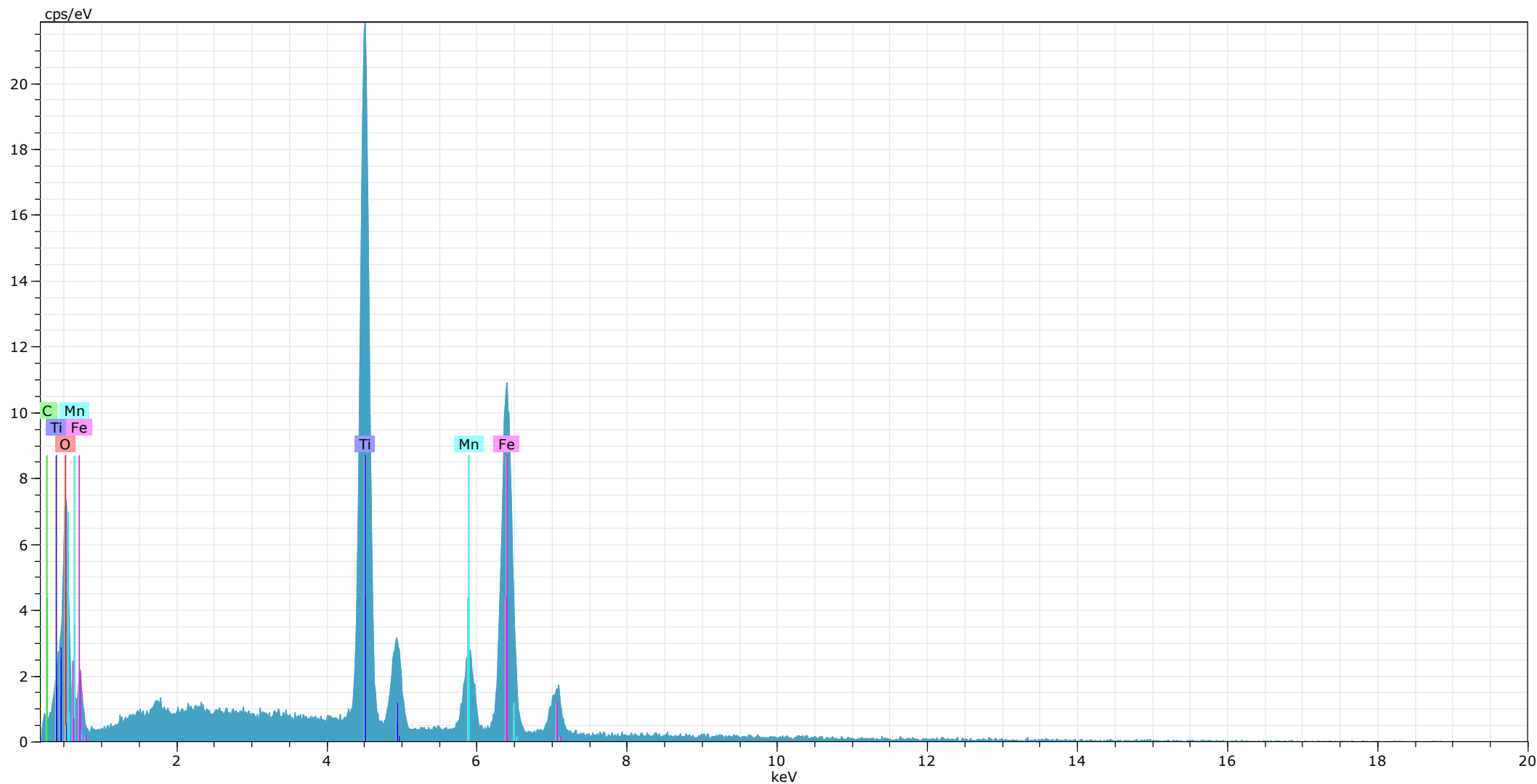
4.2-7 88 Date:5/7/2014 10:46:19 AM HV:20.0kV Puls th.:14.40kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.22	4.22	9.48	1.09
O	8	K-series	33.46	33.48	56.42	4.99
Na	11	K-series	0.64	0.64	0.75	0.09
Al	13	K-series	0.67	0.67	0.67	0.07
Si	14	K-series	1.96	1.96	1.88	0.12
Ti	22	K-series	27.80	27.81	15.66	0.81
Mn	25	K-series	8.38	8.38	4.11	0.28
Fe	26	K-series	22.81	22.83	11.02	0.66
Total:			99.95	100.00	100.00	



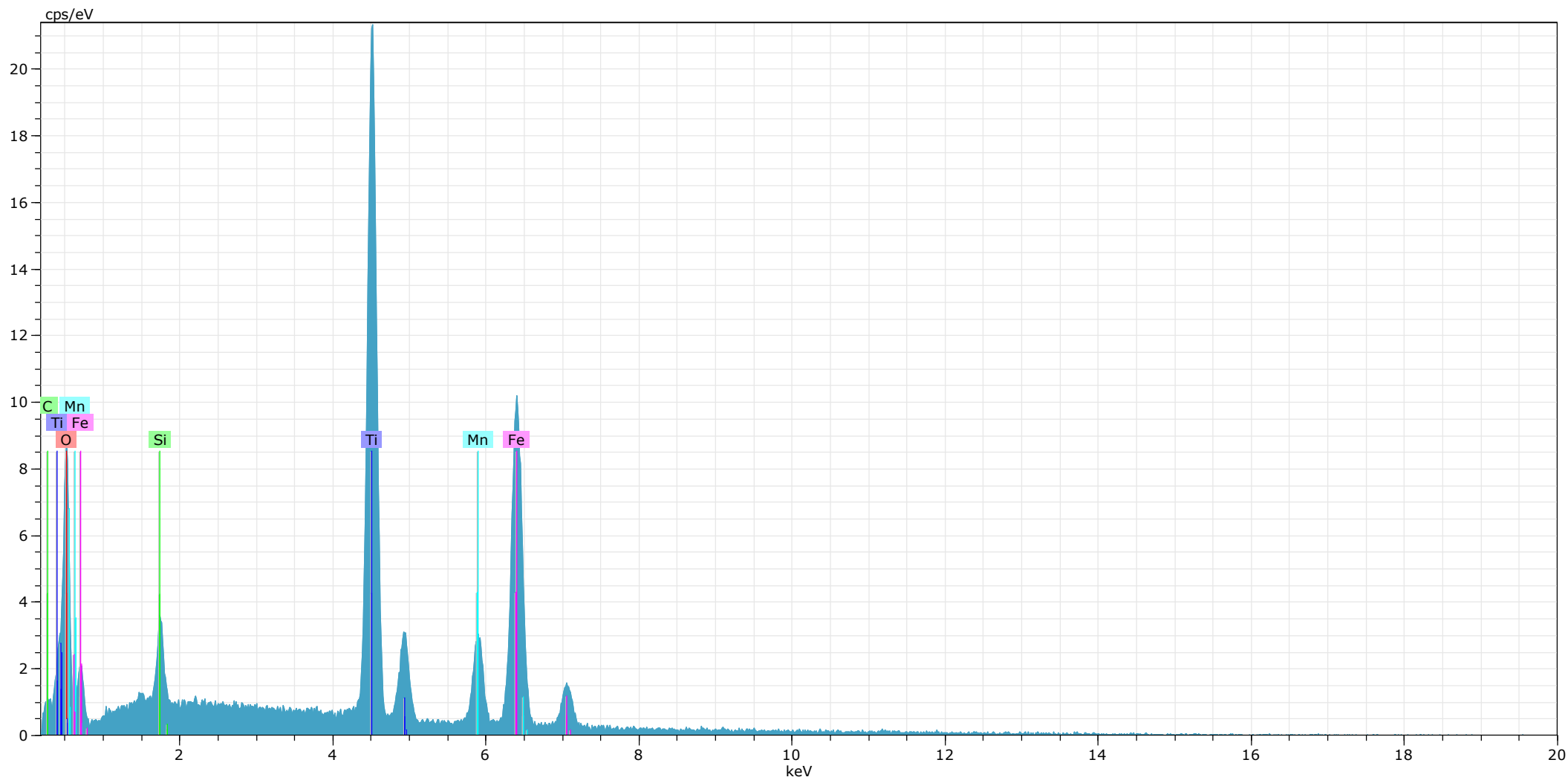
4.2-7 89 Date:5/7/2014 10:46:30 AM HV:20.0kV Puls th.:14.20kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.62	3.63	8.53	0.98
O	8	K-series	31.51	31.57	55.76	4.83
Si	14	K-series	0.60	0.60	0.60	0.06
Ti	22	K-series	30.22	30.27	17.87	0.88
Mn	25	K-series	7.68	7.69	3.96	0.26
Fe	26	K-series	26.20	26.24	13.28	0.75
Total:			99.83	100.00	100.00	



4.2-7 90 Date:5/7/2014 10:46:40 AM HV:20.0kV Puls th.:14.02kcps

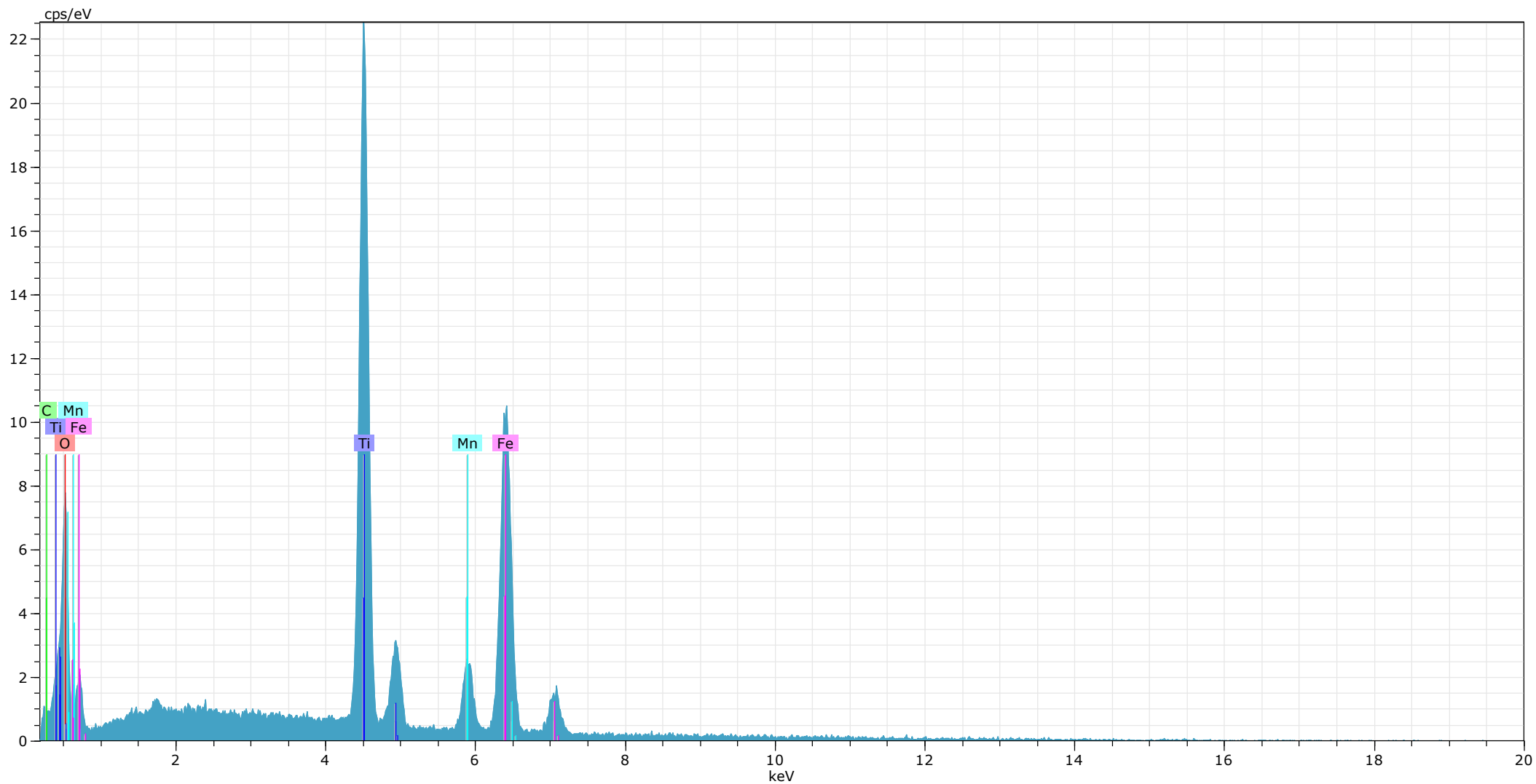
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	3.70	3.70	8.81	1.00
O	8	K-series	30.98	30.98	55.28	4.76
Ti	22	K-series	29.18	29.18	17.40	0.85
Mn	25	K-series	5.81	5.81	3.02	0.21
Fe	26	K-series	30.32	30.32	15.50	0.86
Total:			99.98	100.00	100.00	



4.2-7 91 Date:5/7/2014 10:46:51 AM HV:20.0kV Puls th.:14.39kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.34	4.19	9.47	1.12
O	8	K-series	35.12	33.93	57.58	5.24
Si	14	K-series	1.34	1.30	1.26	0.09
Ti	22	K-series	27.92	26.98	15.30	0.82
Mn	25	K-series	6.57	6.35	3.14	0.23
Fe	26	K-series	28.22	27.26	13.25	0.81

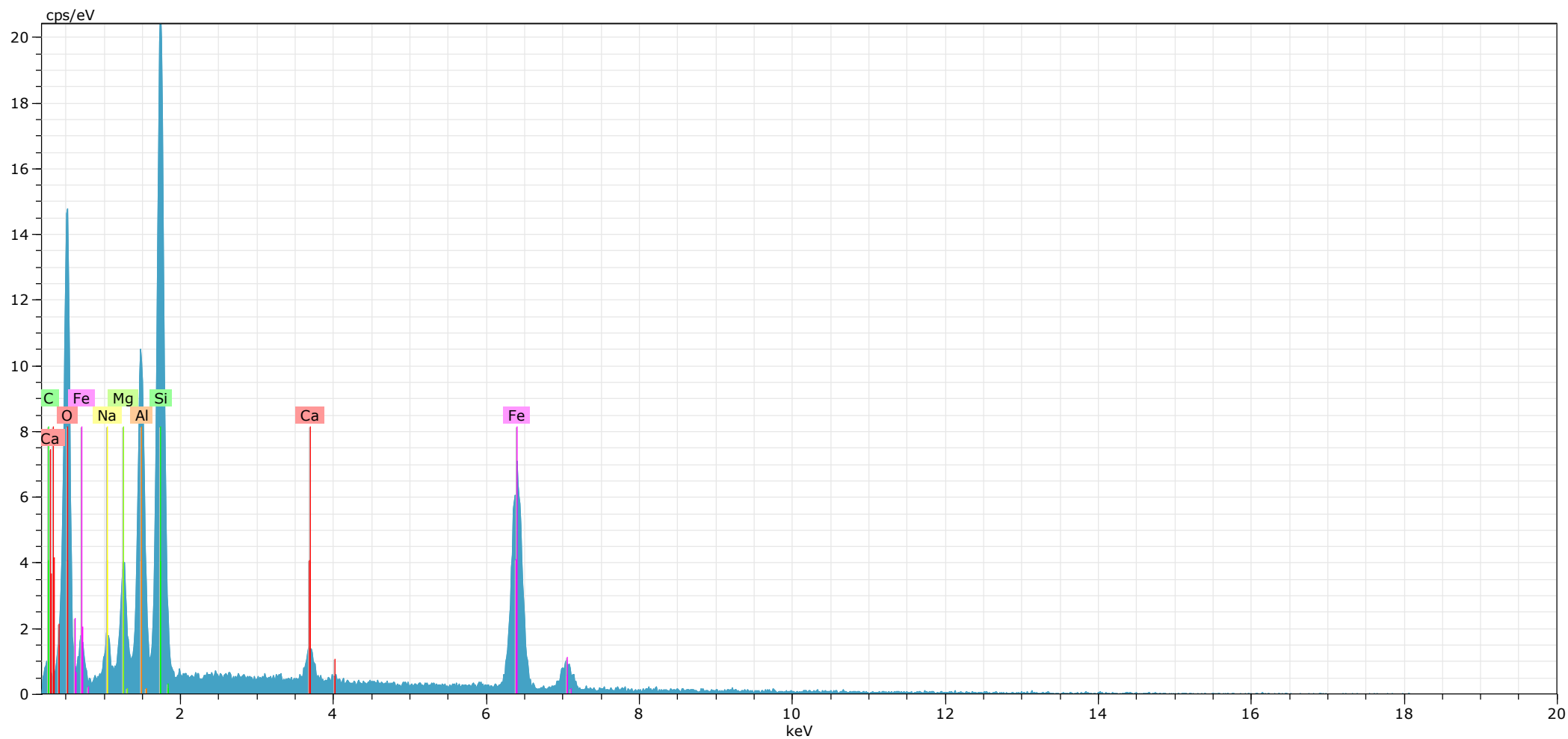
Total:			103.51	100.00	100.00	



4.2-7 92 Date:5/7/2014 10:47:02 AM HV:20.0kV Puls th.:14.12kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	4.39	4.32	10.02	1.11
O	8	K-series	32.48	31.95	55.68	4.96
Ti	22	K-series	29.71	29.23	17.02	0.87
Mn	25	K-series	5.40	5.31	2.70	0.20
Fe	26	K-series	29.68	29.19	14.57	0.85

Total:			101.66	100.00	100.00	

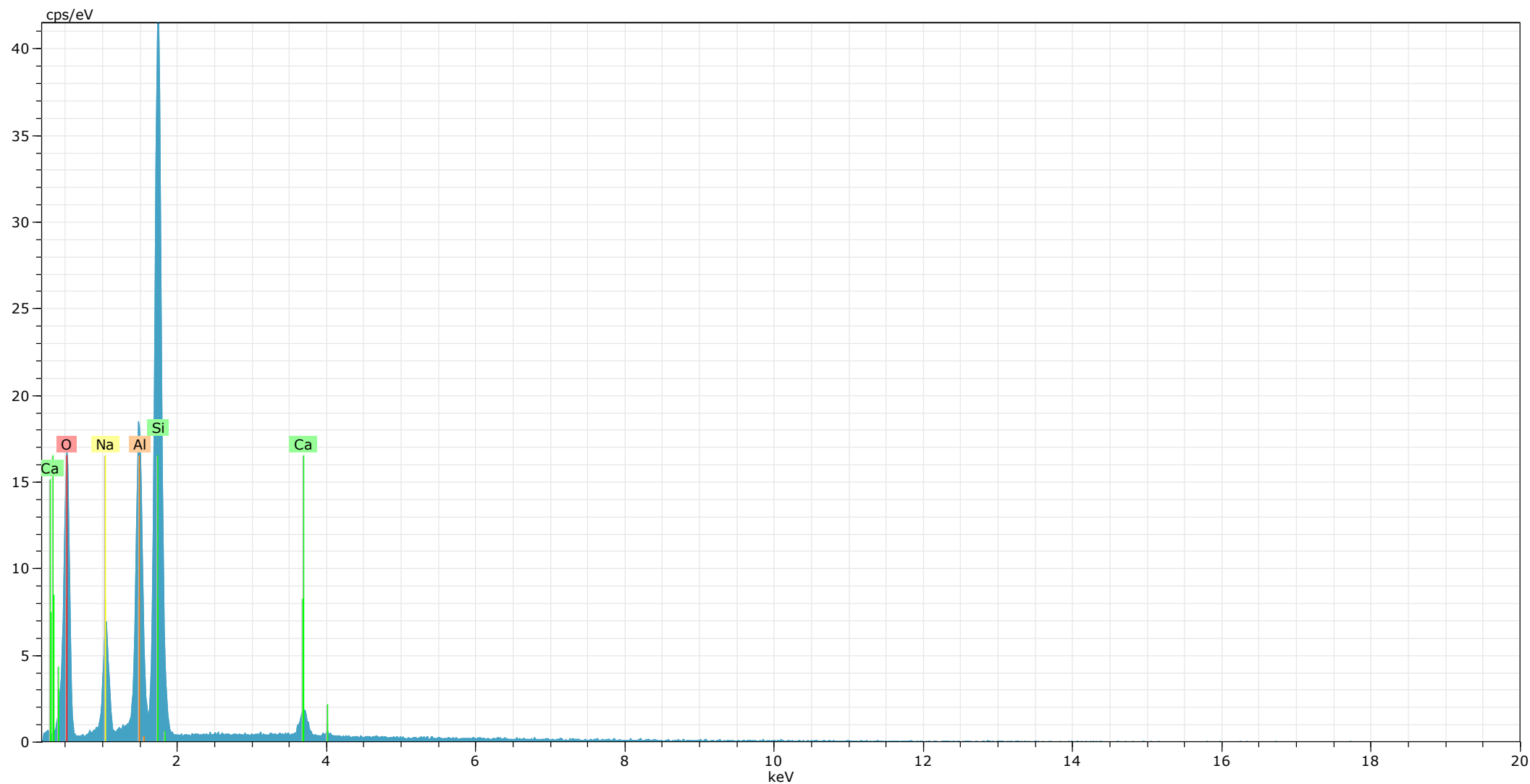


4.2-7 93 Date:5/7/2014 10:47:12 AM HV:20.0kV Puls th.:12.01kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
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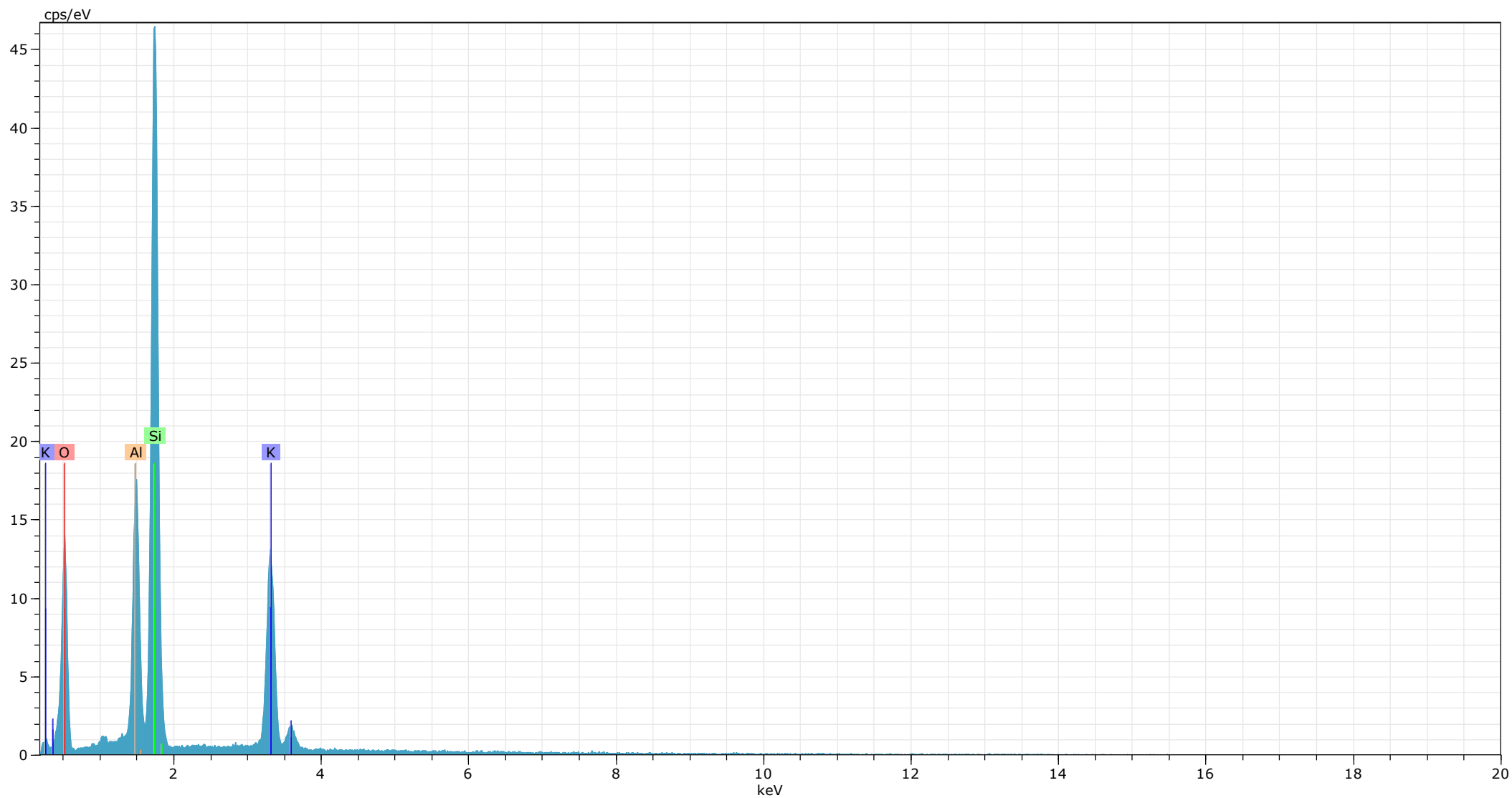
C	6	K-series	4.53	4.86	8.97	1.42
O	8	K-series	36.81	39.51	54.79	5.03
Na	11	K-series	2.31	2.48	2.39	0.21
Mg	12	K-series	3.73	4.00	3.65	0.25
Al	13	K-series	8.97	9.63	7.92	0.47
Si	14	K-series	15.10	16.20	12.80	0.68
Ca	20	K-series	1.27	1.37	0.76	0.08
Fe	26	K-series	20.44	21.95	8.72	0.61

Total: 93.16 100.00 100.00



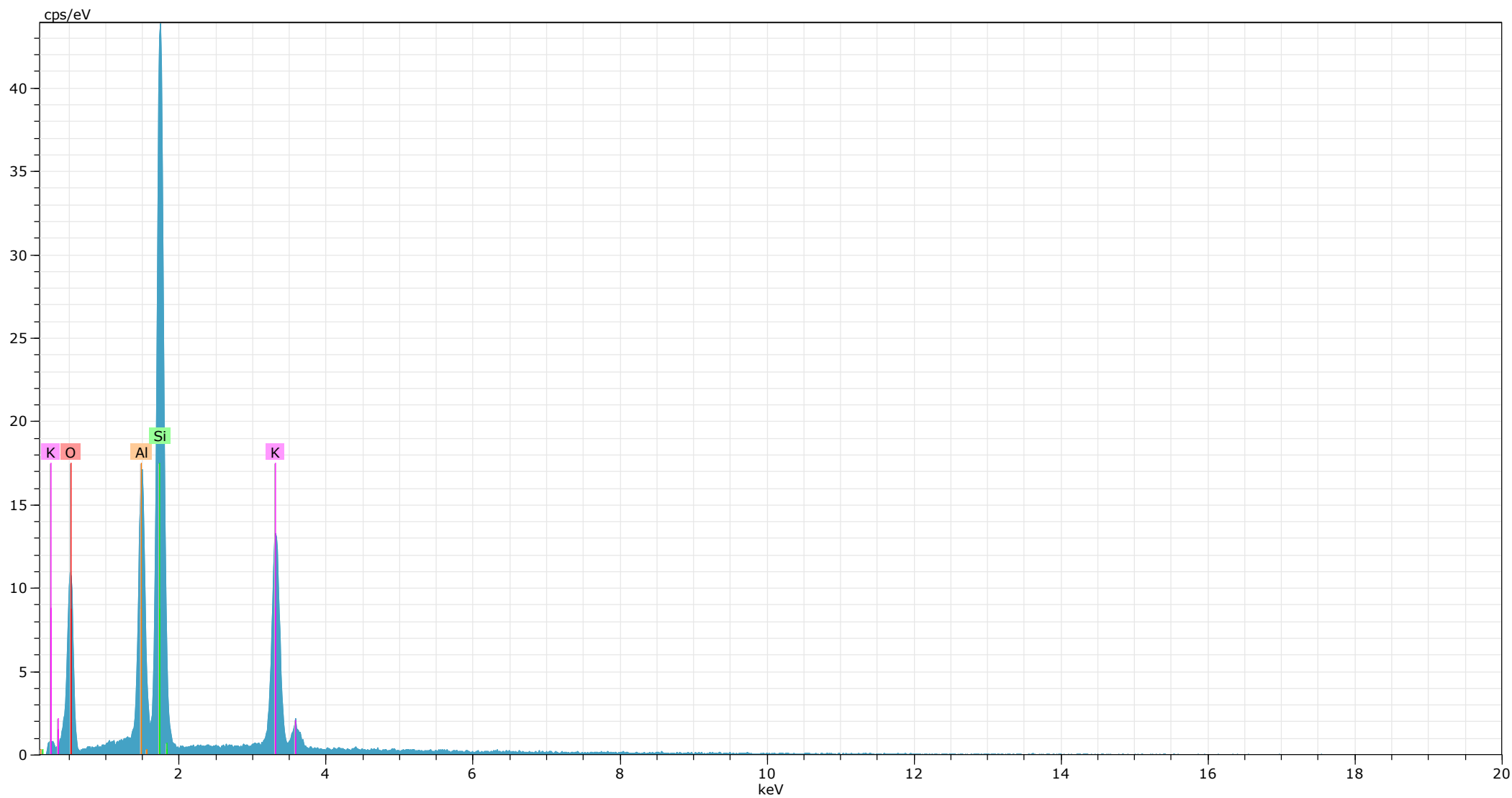
4.2-7 94 Date:5/7/2014 10:47:23 AM HV:20.0kV Puls th.:13.68kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	35.91	45.90	59.35	4.84
Na	11	K-series	4.57	5.84	5.26	0.34
Al	13	K-series	10.24	13.09	10.04	0.53
Si	14	K-series	25.60	32.73	24.11	1.13
Ca	20	K-series	1.90	2.43	1.26	0.10
Total:			78.23	100.00	100.00	



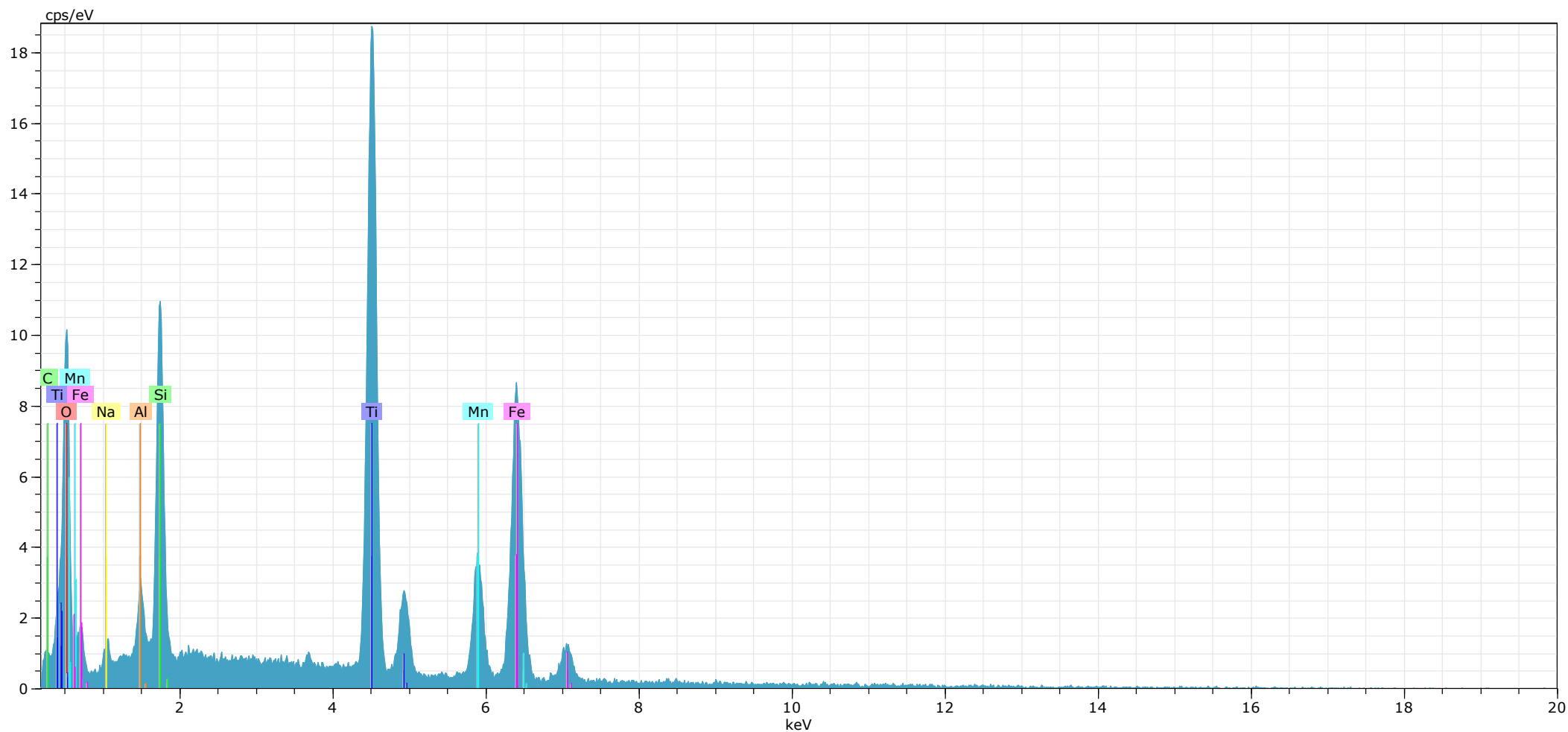
4.2-7 95 Date:5/7/2014 10:47:34 AM HV:20.0kV Puls th.:15.34kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	38.63	45.33	60.91	5.35
Al	13	K-series	9.19	10.79	8.59	0.48
Si	14	K-series	25.16	29.52	22.60	1.11
K	19	K-series	12.24	14.36	7.90	0.41
Total:			85.22	100.00	100.00	



4.2-7 96 Date:5/7/2014 10:47:44 AM HV:20.0kV Puls th.:14.73kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	37.03	43.24	58.88	5.26
Al	13	K-series	9.66	11.28	9.11	0.50
Si	14	K-series	26.12	30.50	23.66	1.15
K	19	K-series	12.83	14.98	8.35	0.43
Total:			85.64	100.00	100.00	



4.2-7 97 Date:5/7/2014 10:47:55 AM HV:20.0kV Puls th.:14.80kcps

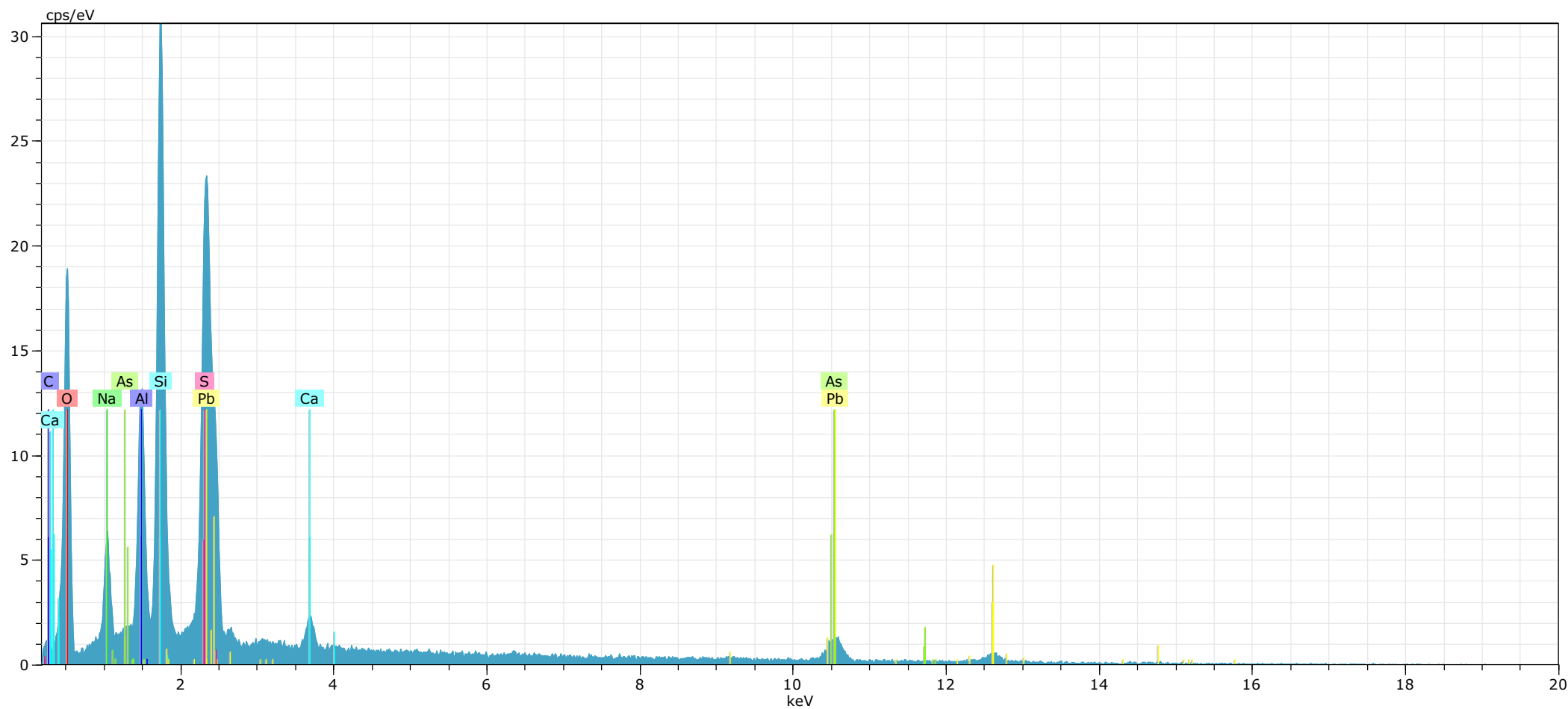
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]

C	6	K-series	5.86	5.48	11.60	1.42
O	8	K-series	37.29	34.86	55.42	5.41
Na	11	K-series	1.36	1.27	1.40	0.14
Al	13	K-series	1.65	1.55	1.46	0.12
Si	14	K-series	5.80	5.43	4.91	0.28
Ti	22	K-series	24.36	22.77	12.10	0.72
Mn	25	K-series	7.79	7.28	3.37	0.26
Fe	26	K-series	22.85	21.36	9.73	0.67

Total:			106.97	100.00	100.00	



1298
Date:5/7/2014 10:53:57 AM
Image size:1000 x 750
Mag:8000x
HV:20.0kV

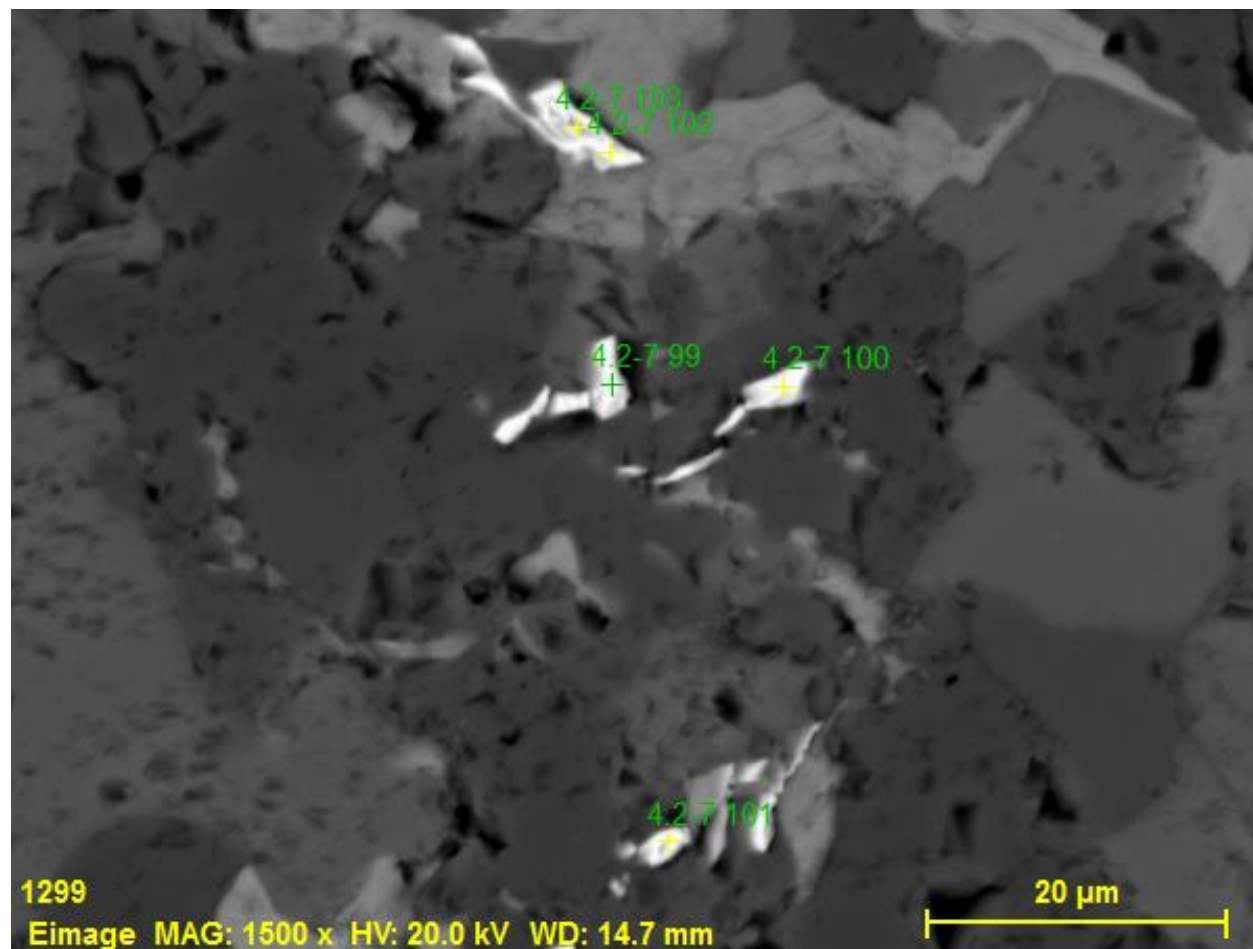


4.2-7 98 Date:5/7/2014 10:54:38 AM HV:20.0kV Puls th.:21.02kcps

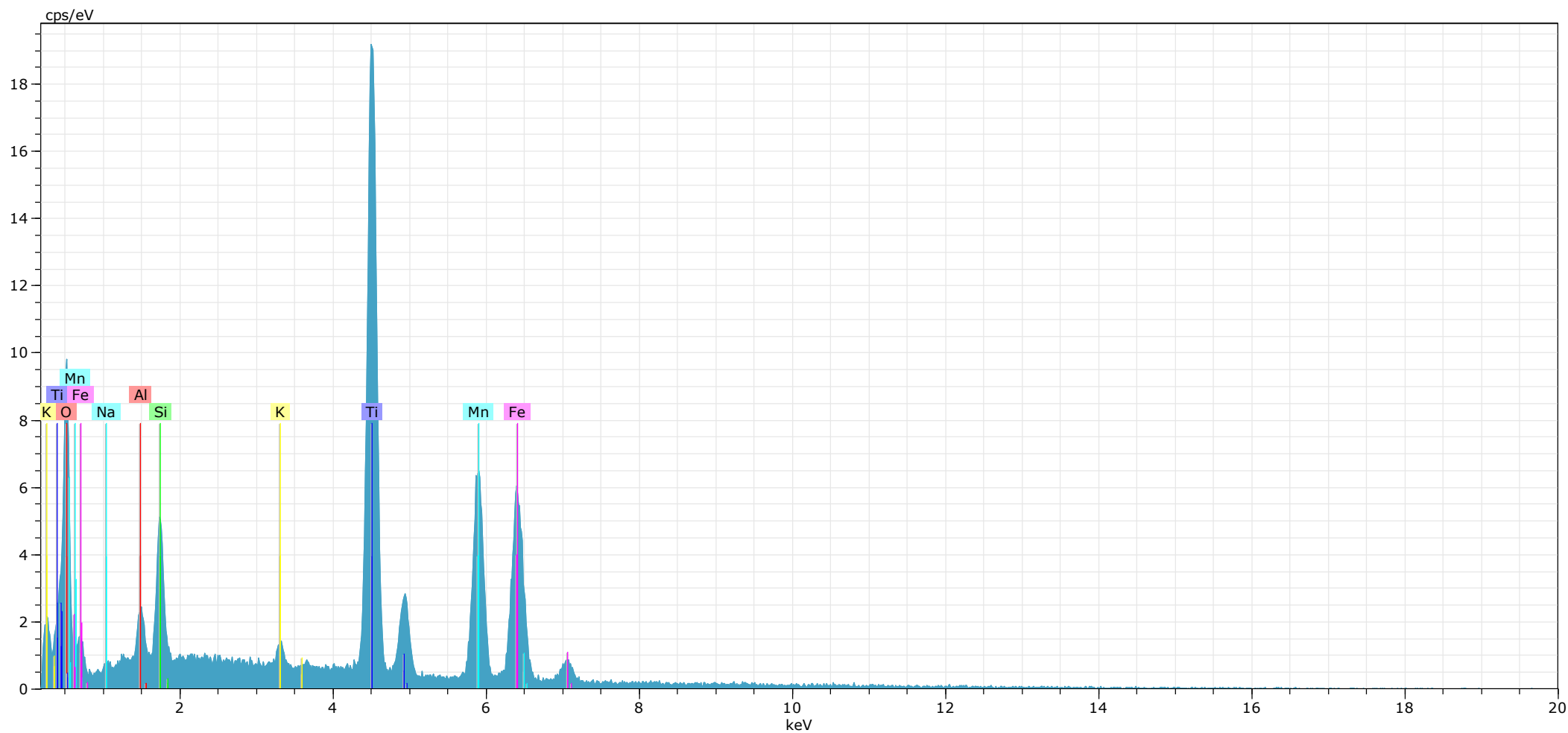
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
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C	6	K-series	0.75	0.84	1.99	0.34
O	8	K-series	33.96	38.17	67.66	4.51
Na	11	K-series	3.11	3.49	4.31	0.24
Al	13	K-series	4.64	5.21	5.48	0.26
Si	14	K-series	9.56	10.75	10.85	0.44
S	16	K-series	3.22	3.62	3.20	0.15
Ca	20	K-series	1.49	1.68	1.19	0.08
As	33	K-series	1.31	1.47	0.56	0.12
Pb	82	L-series	30.93	34.76	4.76	1.14

Total: 88.96 100.00 100.00



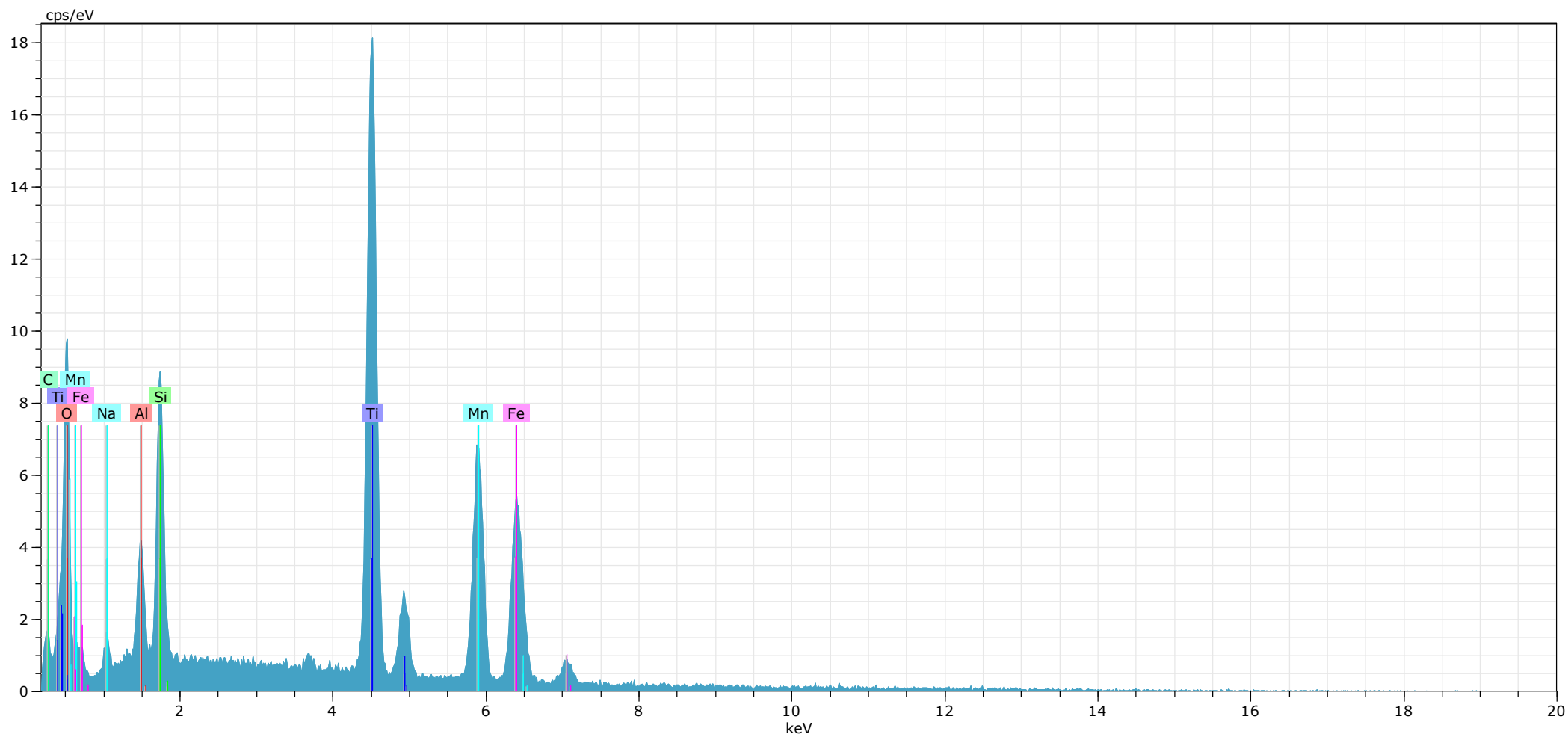
1299
Date:5/7/2014 10:56:34 AM
Image size:1000 x 750
Mag:1500x
HV:20.0kV



4.2-7 99 Date:5/7/2014 10:58:01 AM HV:20.0kV Puls th.:14.17kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	37.87	36.70	63.74	5.56
Na	11	K-series	0.68	0.66	0.80	0.09
Al	13	K-series	1.39	1.34	1.38	0.11
Si	14	K-series	2.59	2.51	2.48	0.15
K	19	K-series	0.55	0.53	0.38	0.05
Ti	22	K-series	26.06	25.26	14.66	0.77
Mn	25	K-series	16.97	16.45	8.32	0.51
Fe	26	K-series	17.07	16.55	8.23	0.52

Total:			103.18	100.00	100.00	

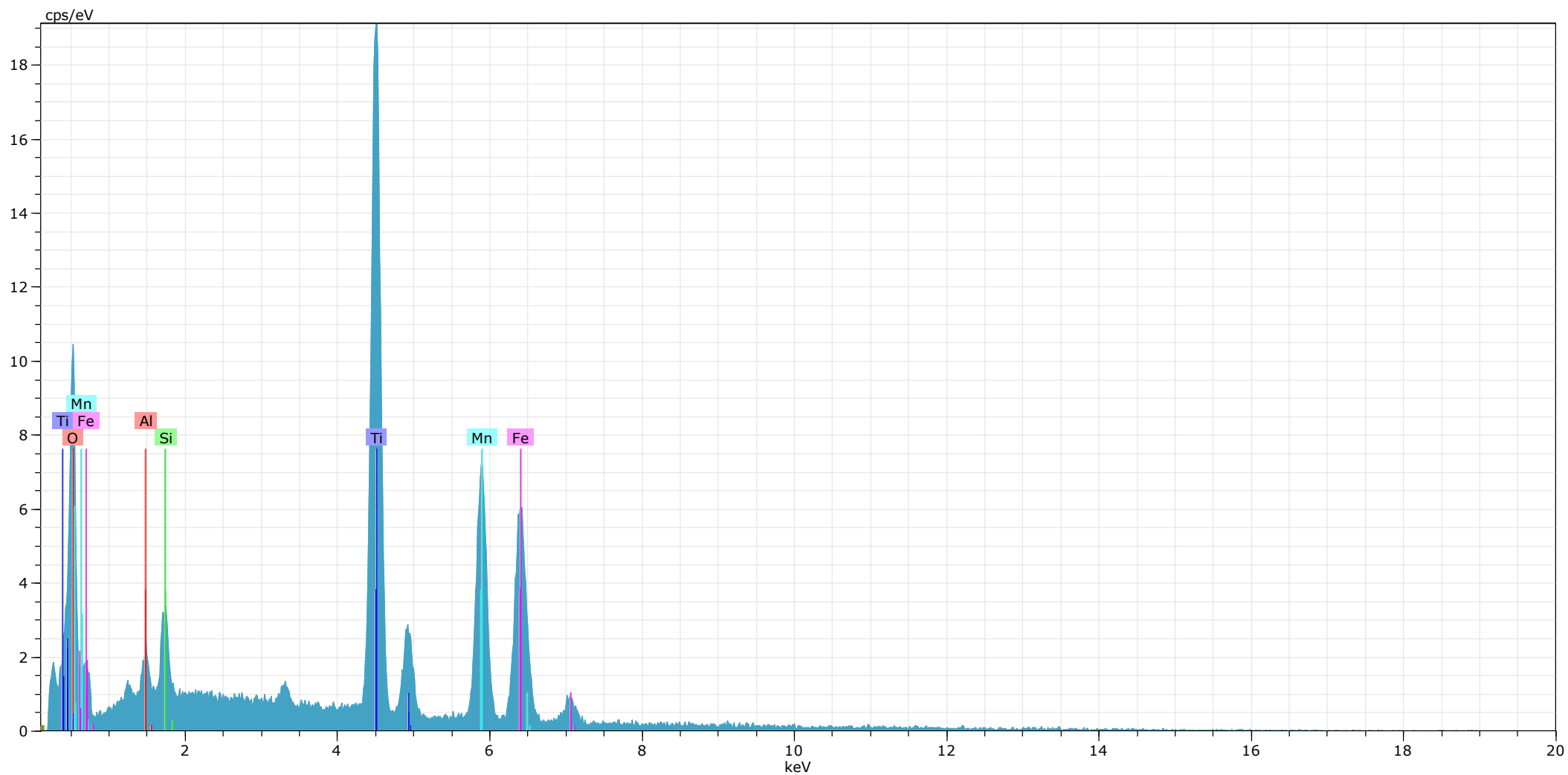


4.2-7 101 Date:5/7/2014 10:58:23 AM HV:20.0kV Puls th.:14.42kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
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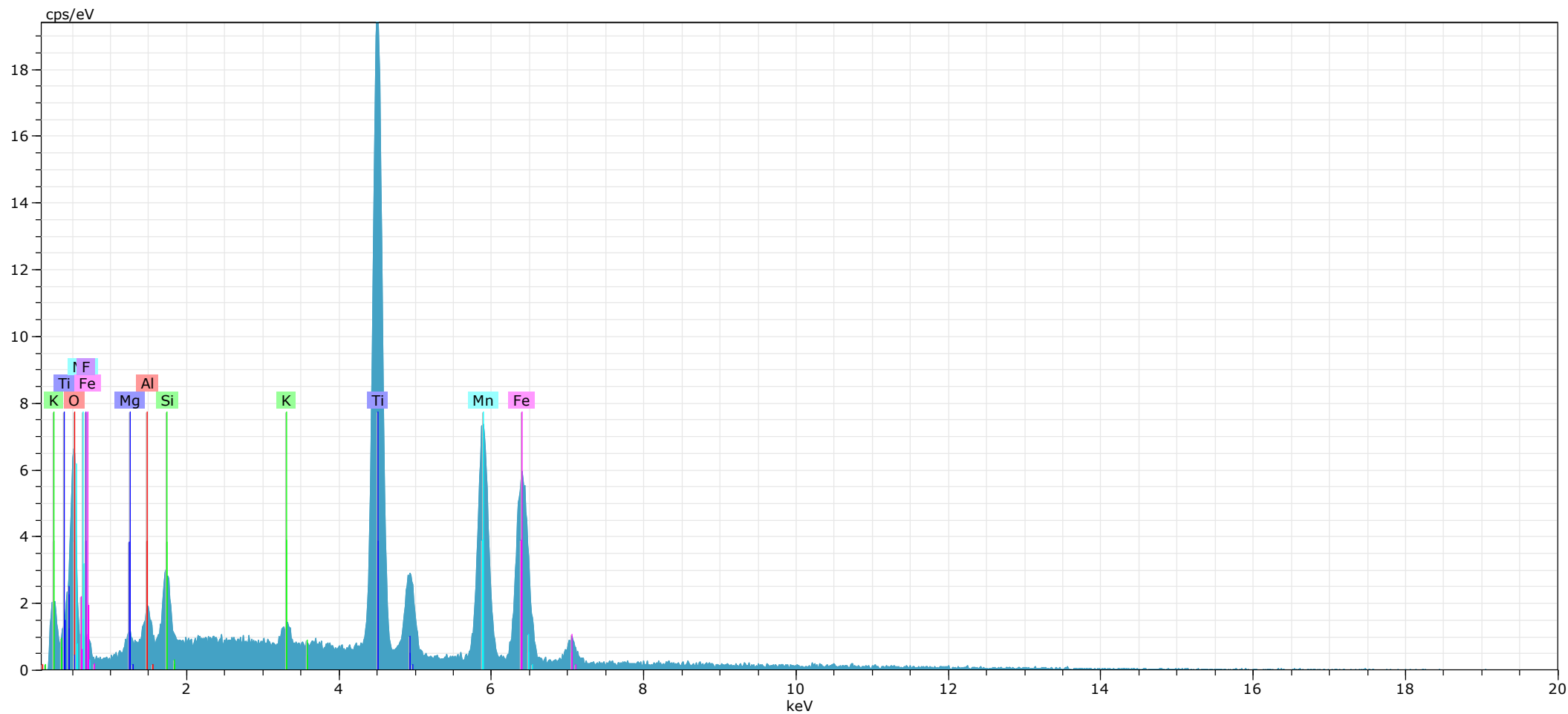
C	6	K-series	8.69	8.19	16.64	1.85
O	8	K-series	36.24	34.18	52.11	5.31
Na	11	K-series	1.82	1.72	1.83	0.17
Al	13	K-series	2.81	2.65	2.40	0.18
Si	14	K-series	4.79	4.52	3.93	0.24
Ti	22	K-series	25.11	23.68	12.06	0.74
Mn	25	K-series	13.91	13.12	5.83	0.42
Fe	26	K-series	12.64	11.92	5.21	0.39

Total: 106.02 100.00 100.00



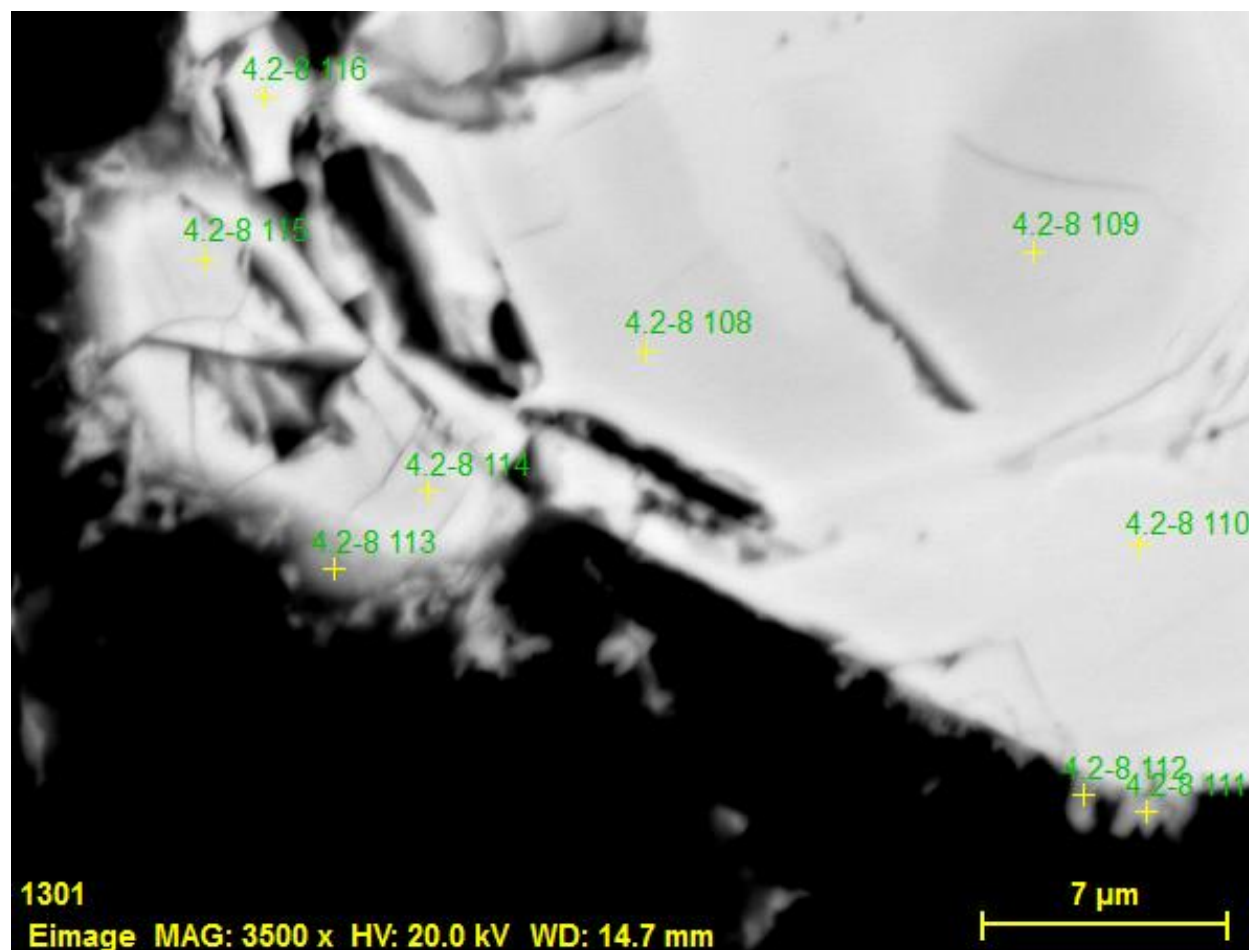
4.2-7 102 Date:5/7/2014 10:58:34 AM HV:20.0kV Puls th.:14.44kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	36.85	38.26	66.04	5.37
Al	13	K-series	0.86	0.89	0.91	0.08
Si	14	K-series	1.29	1.34	1.31	0.09
Ti	22	K-series	25.34	26.31	15.18	0.75
Mn	25	K-series	16.20	16.82	8.45	0.49
Fe	26	K-series	15.78	16.38	8.10	0.48
Total:			96.32	100.00	100.00	

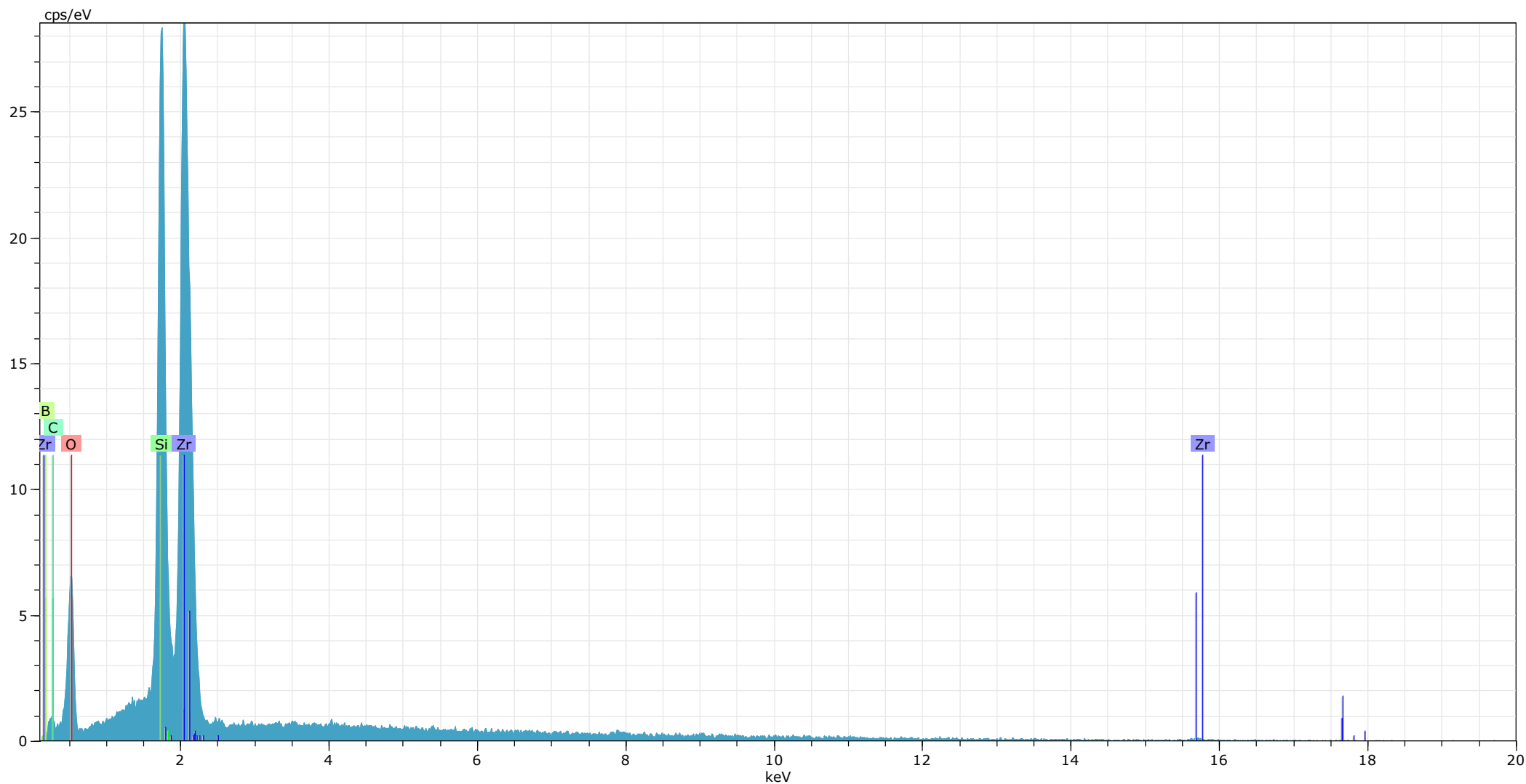


4.2-7 103 Date:5/7/2014 10:58:44 AM HV:20.0kV Puls th.:13.85kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
O	8	K-series	27.26	29.27	55.26	4.27
F	9	K-series	1.23	1.33	2.11	0.51
Mg	12	K-series	0.67	0.72	0.89	0.08
Al	13	K-series	1.16	1.25	1.40	0.10
Si	14	K-series	1.57	1.69	1.82	0.11
K	19	K-series	0.48	0.51	0.39	0.05
Ti	22	K-series	27.67	29.71	18.75	0.81
Mn	25	K-series	17.26	18.53	10.19	0.52
Fe	26	K-series	15.84	17.00	9.20	0.48
Total:			93.15	100.00	100.00	

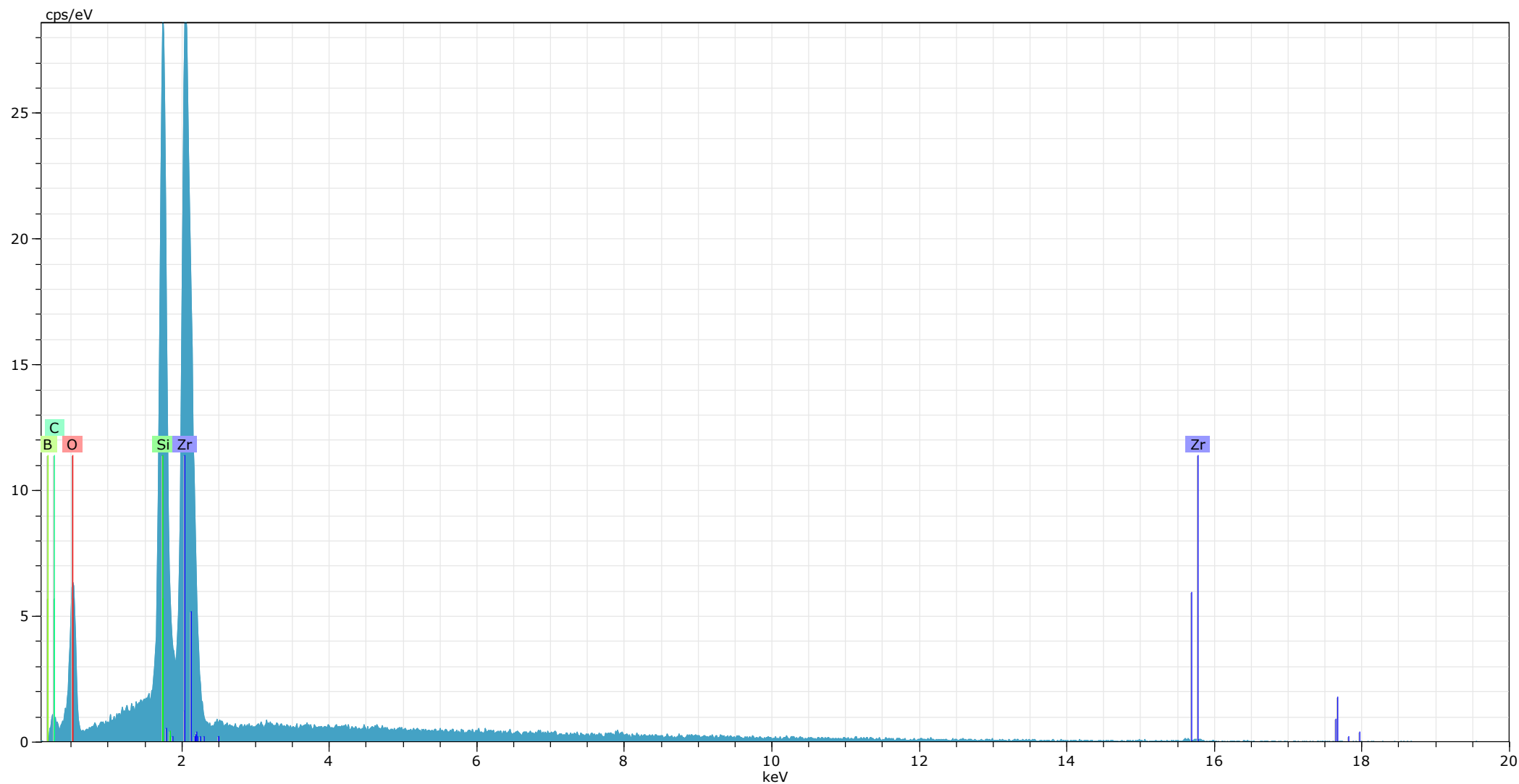


1301
Date:5/7/2014 11:03:34 AM
Image size:1000 x 750
Mag:3500x
HV:20.0kV



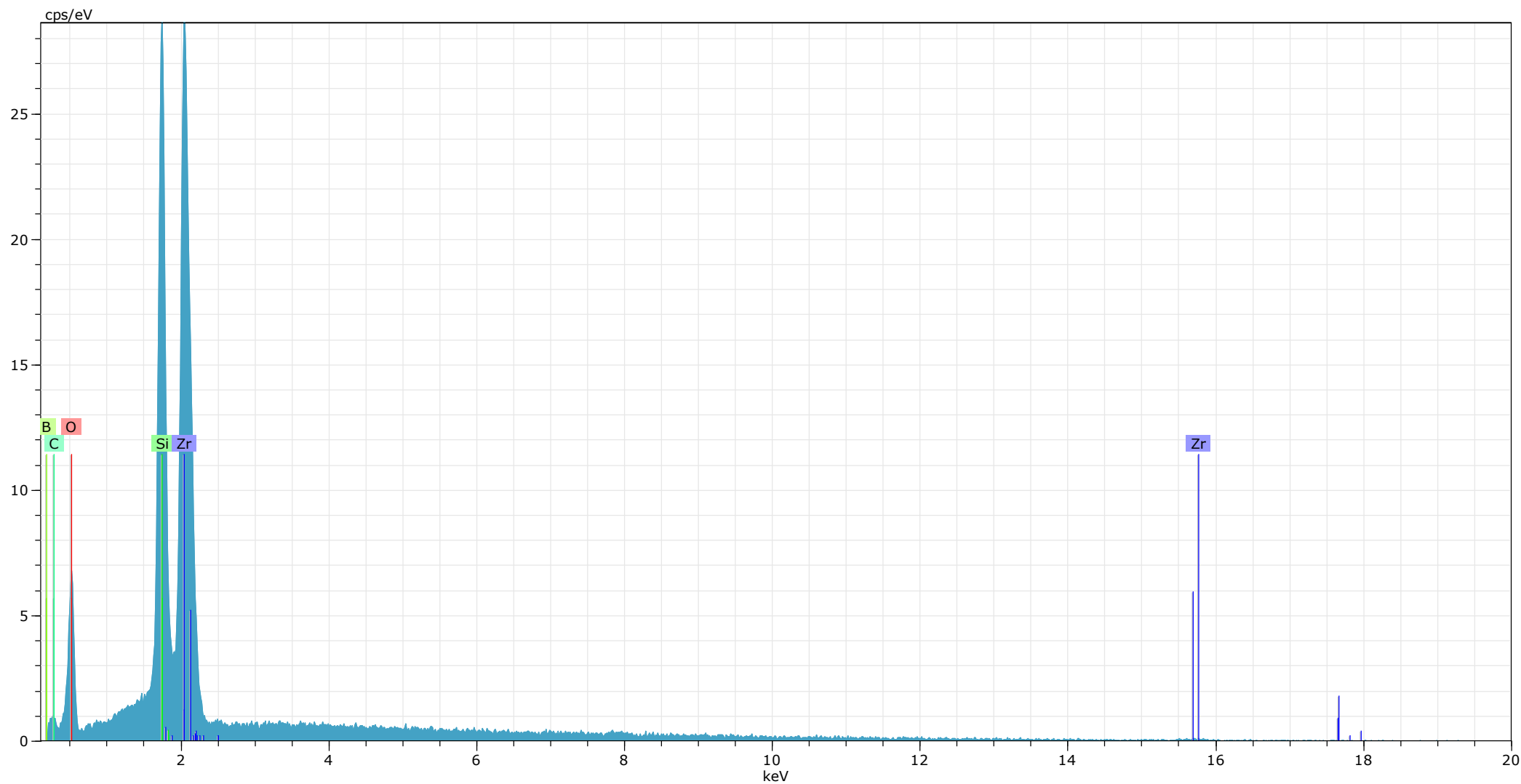
4.2-8 108 Date:5/7/2014 11:04:43 AM HV:20.0kV Puls th.:16.39kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	1.58	1.98	4.94	1.03
C	6	K-series	7.20	9.00	20.27	1.80
O	8	K-series	22.76	28.46	48.09	3.53
Si	14	K-series	10.50	13.13	12.64	0.48
Zr	40	L-series	37.93	47.44	14.06	1.48
Total:			79.96	100.00	100.00	



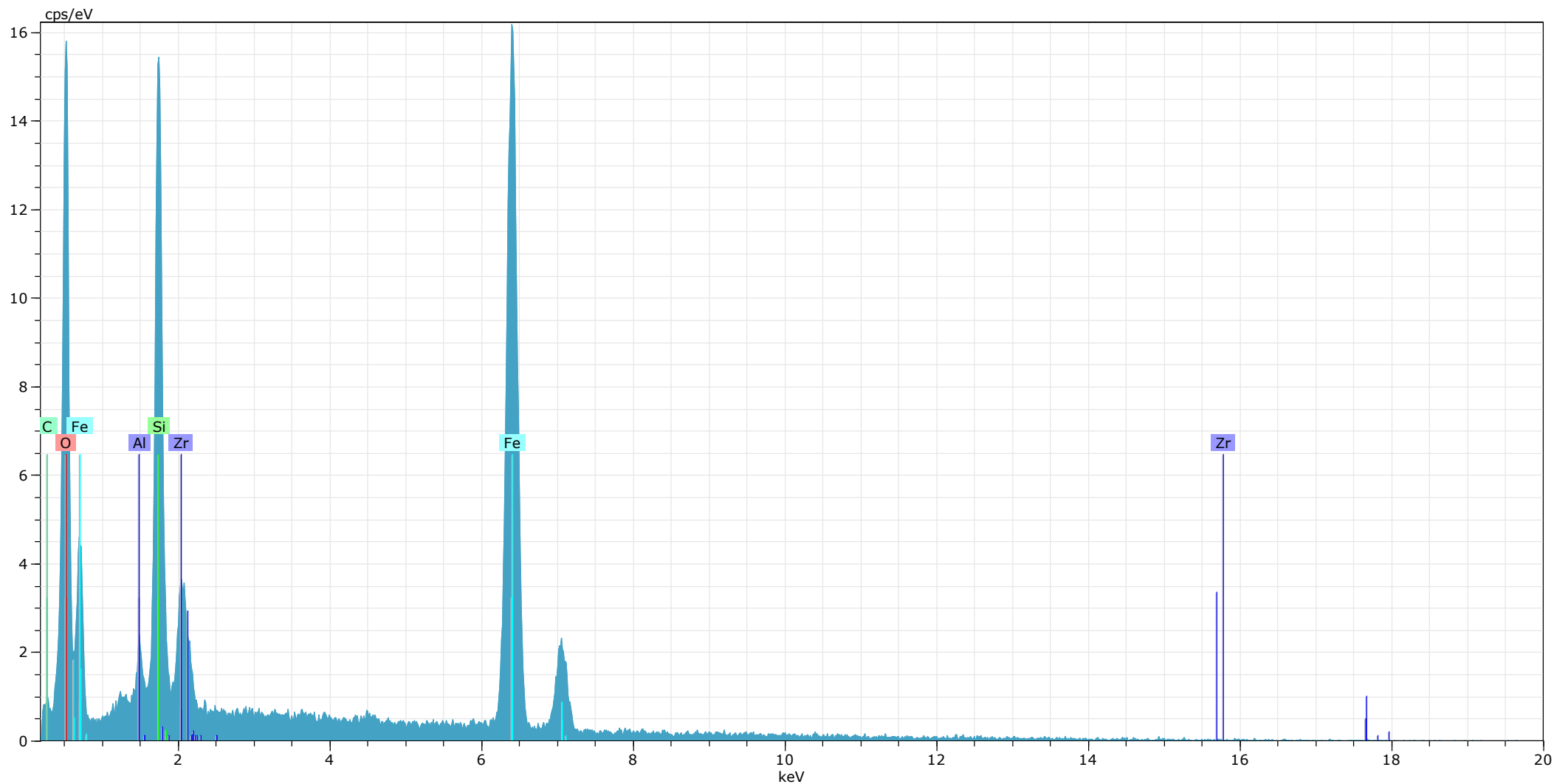
4.2-8 109 Date:5/7/2014 11:04:54 AM HV:20.0kV Puls th.:16.40kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	1.24	1.50	3.76	0.91
C	6	K-series	7.93	9.62	21.72	1.94
O	8	K-series	23.18	28.12	47.66	3.61
Si	14	K-series	10.84	13.14	12.69	0.50
Zr	40	L-series	39.26	47.62	14.16	1.53
Total:			82.44	100.00	100.00	



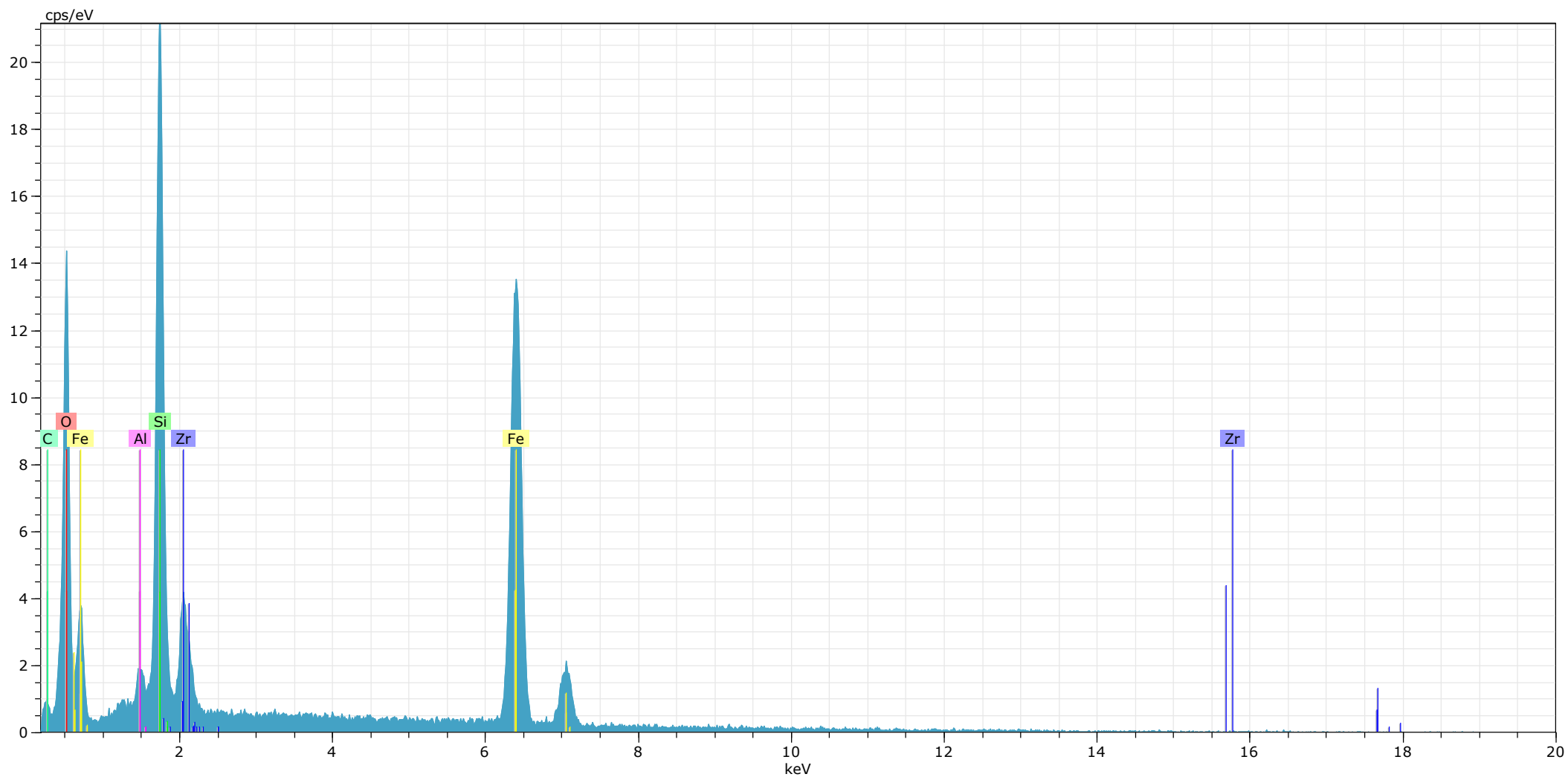
4.2-8 110 Date:5/7/2014 11:05:04 AM HV:20.0kV Puls th.:16.39kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
B	5	K-series	2.41	2.99	7.30	1.32
C	6	K-series	7.46	9.23	20.31	1.85
O	8	K-series	22.82	28.23	46.62	3.54
Si	14	K-series	10.58	13.10	12.32	0.48
Zr	40	L-series	37.54	46.45	13.45	1.47
Total:			80.82	100.00	100.00	



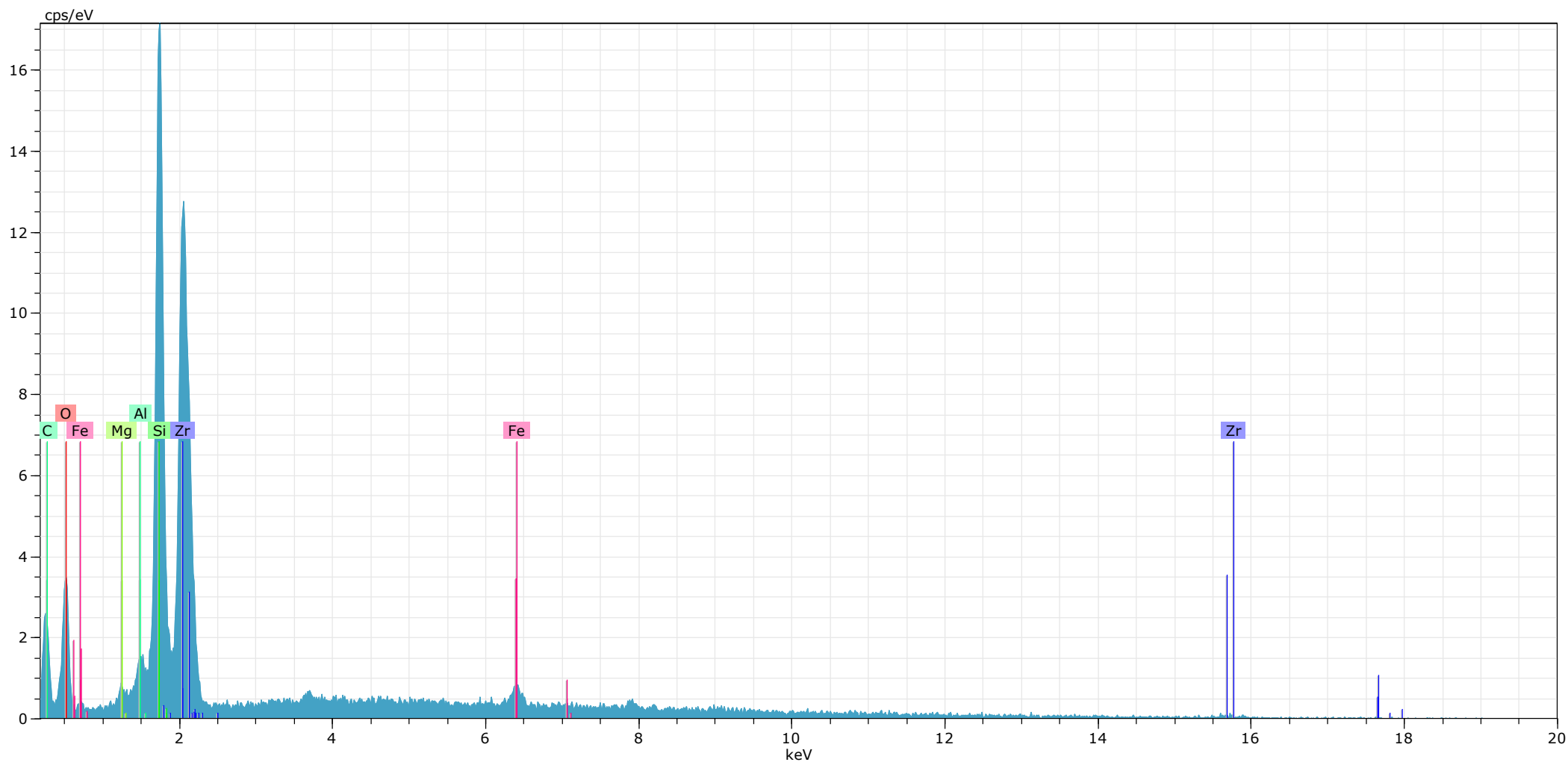
4.2-8 111 Date:5/7/2014 11:05:15 AM HV:20.0kV Puls th.:14.06kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	6.62	6.51	13.93	1.66
O	8	K-series	35.25	34.63	55.63	4.78
Al	13	K-series	0.89	0.88	0.83	0.08
Si	14	K-series	8.67	8.52	7.79	0.41
Fe	26	K-series	44.95	44.16	20.32	1.25
Zr	40	L-series	5.40	5.31	1.50	0.26
Total:			101.79	100.00	100.00	



4.2-8 112 Date:5/7/2014 11:05:25 AM HV:20.0kV Puls th.:13.68kcps

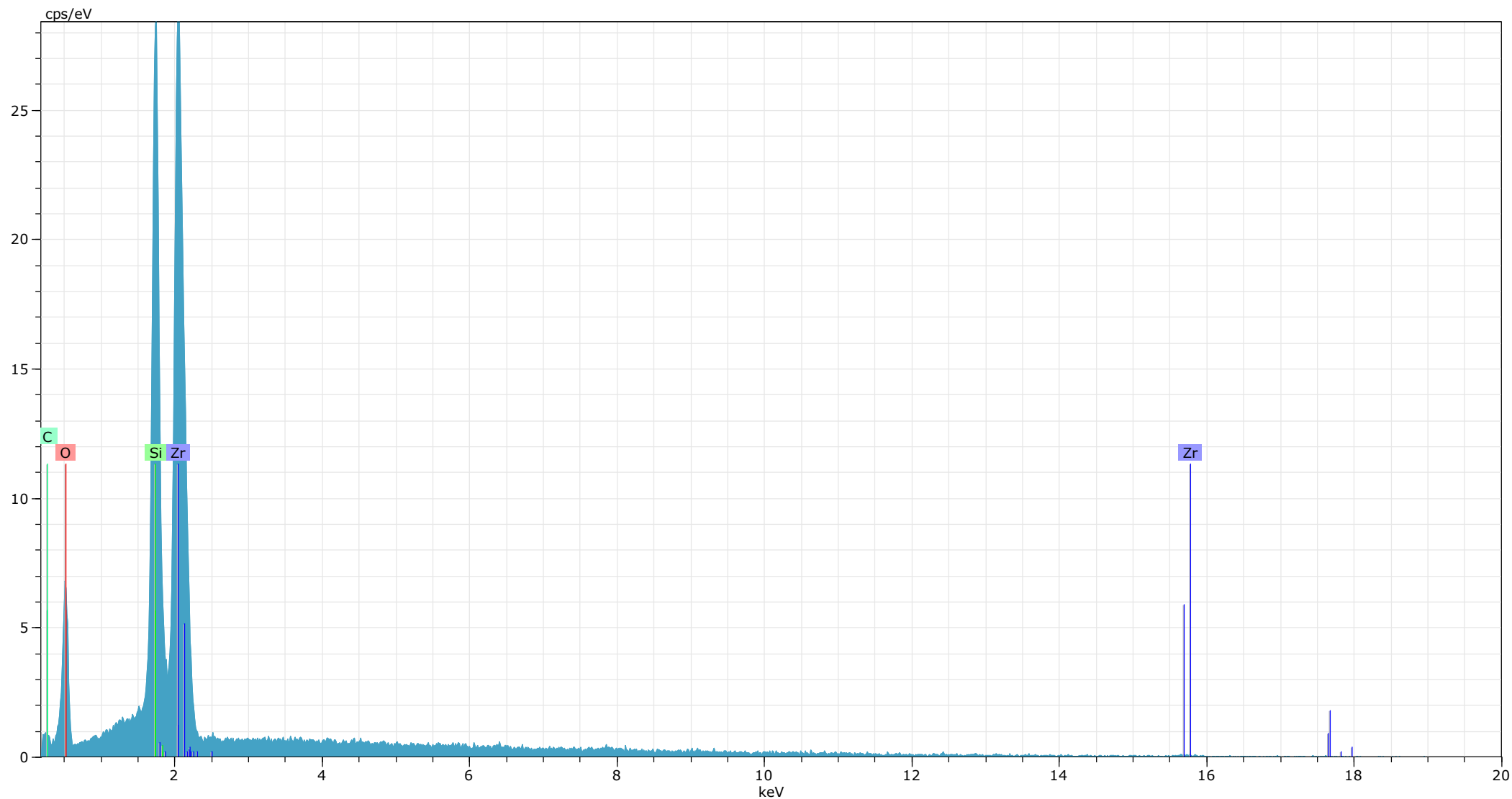
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.78	7.14	15.04	1.95
O	8	K-series	36.02	33.08	52.30	4.98
Al	13	K-series	1.35	1.24	1.16	0.11
Si	14	K-series	15.31	14.06	12.66	0.69
Fe	26	K-series	40.39	37.09	16.80	1.13
Zr	40	L-series	8.04	7.38	2.05	0.36
Total:			108.89	100.00	100.00	



4.2-8 113 Date:5/7/2014 11:05:36 AM HV:20.0kV Puls th.:11.08kcps

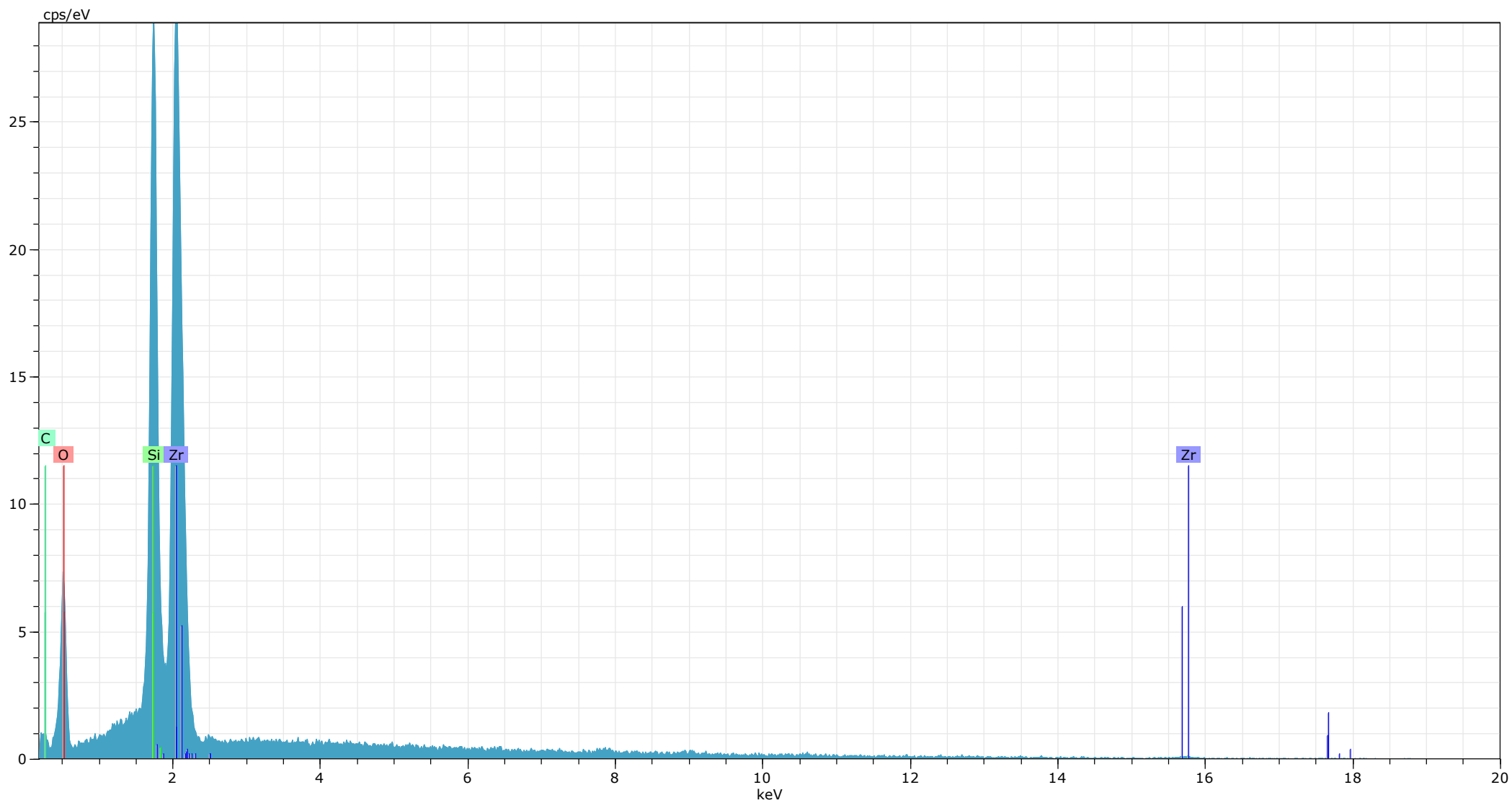
El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	44.20	29.98	51.31	8.31
O	8	K-series	34.76	23.58	30.30	6.05
Mg	12	K-series	1.02	0.69	0.58	0.11
Al	13	K-series	1.96	1.33	1.01	0.15
Si	14	K-series	19.43	13.18	9.65	0.88
Fe	26	K-series	1.04	0.71	0.26	0.07
Zr	40	L-series	45.01	30.53	6.88	1.78

Total:			147.43	100.00	100.00	



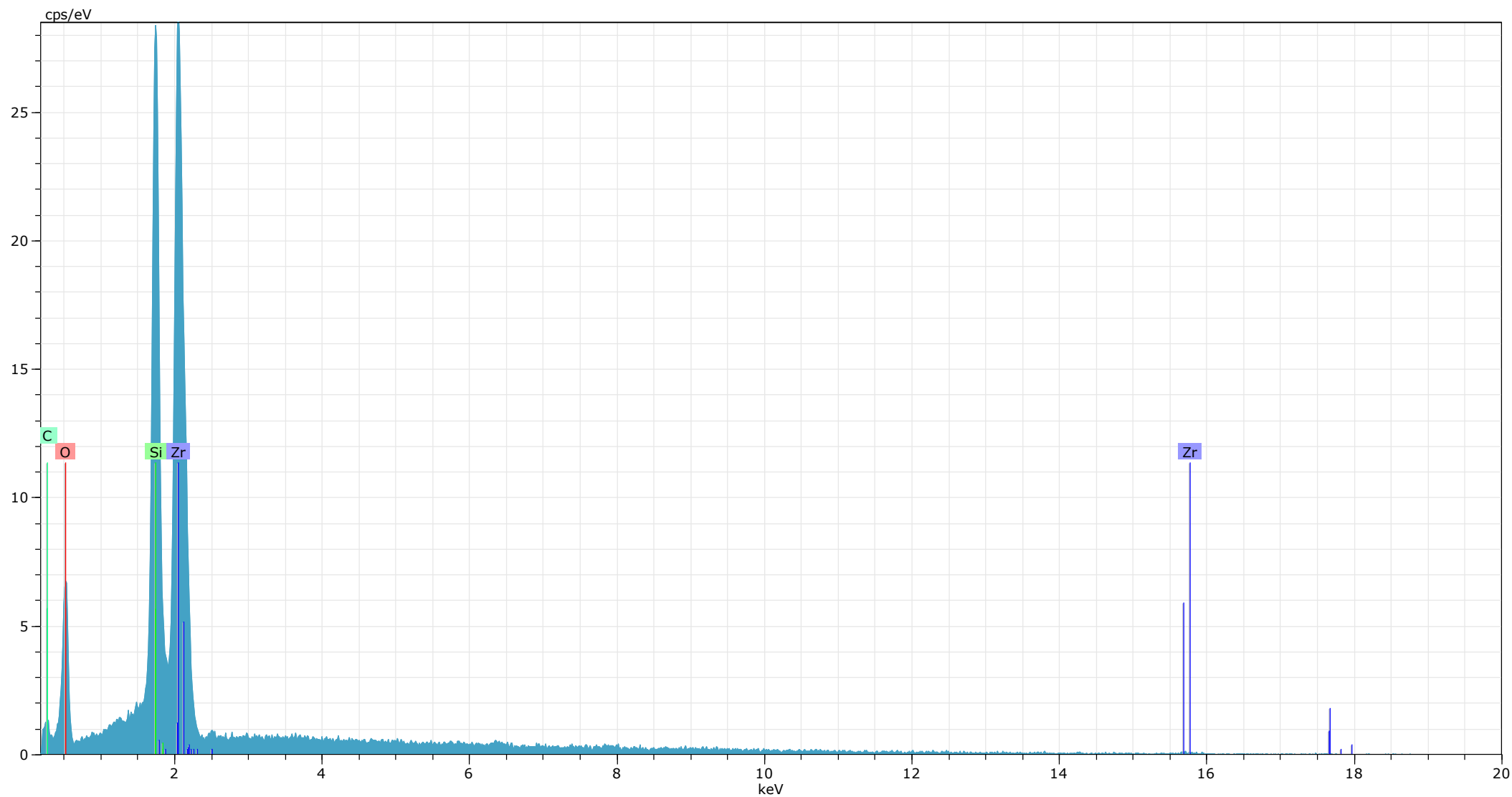
4.2-8 114 Date:5/7/2014 11:05:48 AM HV:20.0kV Puls th.:16.54kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.36	9.11	21.24	1.83
O	8	K-series	23.27	28.80	50.39	3.61
Si	14	K-series	10.91	13.50	13.46	0.50
Zr	40	L-series	39.25	48.59	14.91	1.53
Total:			80.78	100.00	100.00	



4.2-8 115 Date:5/7/2014 11:05:58 AM HV:20.0kV Puls th.:16.94kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	7.31	9.21	21.25	1.79
O	8	K-series	23.35	29.42	50.98	3.59
Si	14	K-series	10.60	13.35	13.18	0.48
Zr	40	L-series	38.11	48.02	14.59	1.49
Total:			79.36	100.00	100.00	



4.2-8 116 Date:5/7/2014 11:06:09 AM HV:20.0kV Puls th.:16.58kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
C	6	K-series	9.81	12.11	26.65	2.20
O	8	K-series	23.45	28.97	47.83	3.61
Si	14	K-series	10.53	13.00	12.23	0.48
Zr	40	L-series	37.17	45.92	13.30	1.45
Total:			80.94	100.00	100.00	