

Annexe D-2-c : Résultats d'analyses affleurement zone Centre

Échantillon	Unité	Lim. Detection	Méthode d'analyse	SR01b	SR01c	SR02b	SR02c	SR03	SR04b	SR04c
Al2O3	%	0.003	ICP-AES	14.41	15.42	14.37	14.93	15.18	14.32	15.30
CaO	%	0.002	ICP-AES	2.32	0.18	2.28	0.20	0.22	2.28	0.21
Fe2O3	%	0.003	ICP-AES	2.26	2.47	2.33	2.45	2.48	2.36	2.45
K2O	%	0.006	ICP-AES	2.79	2.98	2.81	2.86	2.96	2.82	2.96
MgO	%	0.003	ICP-AES	0.78	0.39	0.78	0.40	0.39	0.81	0.39
MnO	%	0.0002	ICP-AES	0.04	0.04	0.04	0.05	0.05	0.04	0.05
Na2O	%	0.01	ICP-AES	4.56	4.79	4.48	4.73	4.56	4.38	4.62
P2O5	%	0.004	ICP-AES	0.09	0.10	0.10	0.09	0.11	0.09	0.11
SiO2	%	0.02	ICP-AES	69.34	73.56	69.27	72.26	72.91	68.84	72.48
S	%	0.003	ICP-AES	0.15	0.01	0.20	0.02	0.02	0.27	0.02
TiO2	%	0.0004	ICP-AES	0.31	0.34	0.32	0.33	0.34	0.32	0.34
As	ppm	11	ICP-AES	< 30	< 30	< 30	< 30	< 30	< 30	33.76
Ba	ppm	2	ICP-AES	727.90	782.79	733.64	748.88	799.03	747.70	804.72
Cd	ppm	2	ICP-AES	3.48	6.78	5.45	5.26	5.54	5.04	6.08
Co	ppm	3	ICP-AES	8.71	< 6	8.63	6.94	< 6	6.24	6.76
Cr	ppm	2	ICP-AES	8.84	19.42	56.88	155.39	9.88	18.78	10.44
Cu	ppm	1.1	ICP-AES	16.07	18.21	89.90	8.14	58.32	9.69	13.65
La	ppm		ICP-AES	30.28	31.39	32.68	32.11	36.06	32.60	33.51
Mo	ppm		ICP-AES	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Ni	ppm	10	ICP-AES	< 11	20.63	147.71	19.20	12.54	16.10	13.85
Pb	ppm		ICP-AES	< 40	< 40	< 40	< 40	< 40	< 40	< 40
Sc	ppm	0.5	ICP-AES	4.35	4.65	4.33	4.91	4.64	4.54	4.52
Sr	ppm	1	ICP-AES	281.59	146.71	289.17	109.98	144.34	280.47	150.88
V	ppm	1	ICP-AES	31.53	35.26	31.98	34.56	35.03	32.54	33.35
Y	ppm	1	ICP-AES	10.18	10.39	9.94	12.02	11.98	10.38	11.08
Zn	ppm	10	ICP-AES	65.84	73.90	44.15	79.62	113.76	62.79	89.97
Zr	ppm	3	ICP-AES	166.91	177.61	170.79	201.33	180.82	171.83	170.66
Total			ICP-AES	100.98	102.15	100.86	100.25	101.08	100.23	100.80
PAF			ICP-AES	3.79	1.73	3.71	1.80	1.74	3.56	1.73
85Rb	ppm	0.002	ICP-MS	92.00	99.00	94.00	102.00	100.00	92.00	94.00
88Sr	ppm	0.003	ICP-MS	290.00	150.00	296.00	113.00	147.00	293.00	153.00
89Y	ppm	0.004	ICP-MS	8.90	9.10	8.30	11.30	10.70	9.40	10.50
90Zr	ppm	0.01	ICP-MS	151.00	197.00	177.00	218.00	197.00	190.00	186.00
93Nb	ppm	0.0002	ICP-MS	6.17	7.03	6.12	6.47	6.89	6.54	6.66
95Mo	ppm	0.01	ICP-MS	< 0.6	0.70	< 0.6	< 0.6	< 0.6	0.60	< 0.6
109Ag	ppm	0.003	ICP-MS	< 0.17	0.50	0.18	< 0.19	0.20	< 0.17	< 0.18
118Sn	ppm	0.01	ICP-MS	1.80	1.90	1.50	1.60	2.10	1.80	1.90
133Cs	ppm	0.002	ICP-MS	1.25	1.28	1.23	1.32	1.37	0.99	1.01
137Ba	ppm	0.002	ICP-MS	721.00	773.00	734.00	756.00	799.00	763.00	804.00
139La	ppm	0.004	ICP-MS	31.20	32.10	33.70	34.10	36.90	33.90	34.70
140Ce	ppm	0.0002	ICP-MS	59.30	60.80	63.30	63.90	68.60	63.80	65.10
141Pr	ppm	0.0008	ICP-MS	6.20	6.36	6.60	6.75	7.16	6.62	6.83
146Nd	ppm	0.0001	ICP-MS	21.30	21.70	22.30	23.20	24.50	22.20	23.60
147Sm	ppm	0.0007	ICP-MS	3.50	3.70	3.70	3.90	4.00	3.70	3.90
151Eu	ppm	0.0004	ICP-MS	0.79	0.78	0.76	0.88	0.89	0.79	0.83
157Gd	ppm	0.0001	ICP-MS	2.99	3.12	2.96	3.29	3.34	3.00	3.27
159Tb	ppm	0.0006	ICP-MS	0.35	0.38	0.35	0.40	0.40	0.37	0.39
163Dy	ppm	0.0003	ICP-MS	1.93	2.05	1.90	2.24	2.16	1.98	2.19
165Ho	ppm	0.0002	ICP-MS	0.35	0.36	0.35	0.41	0.40	0.37	0.39
167Er	ppm	0.0001	ICP-MS	0.94	1.02	0.94	1.15	1.13	1.03	1.10
169Tm	ppm	0.0001	ICP-MS	0.13	0.15	0.14	0.17	0.17	0.16	0.16
174Yb	ppm	0.0001	ICP-MS	0.92	0.96	0.91	1.13	1.02	0.96	0.97
175Lu	ppm	0.0001	ICP-MS	0.14	0.14	0.13	0.17	0.15	0.15	0.15
178Hf	ppm	0.0001	ICP-MS	4.16	5.10	4.58	5.43	4.99	4.89	4.76
181Ta	ppm	0.0005	ICP-MS	0.58	0.66	0.61	0.63	0.67	0.63	0.65
182W	ppm	0.01	ICP-MS	5.60	5.90	5.40	5.50	5.40	5.40	6.60
208Pb	ppm	0.0005	ICP-MS	16.10	18.30	16.30	21.30	17.50	15.70	16.50
209Bi	ppm	0.01	ICP-MS	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
232Th	ppm	0.005	ICP-MS	12.10	12.60	12.90	13.30	13.60	12.80	13.20
238U	ppm	0.0002	ICP-MS	2.93	2.44	2.93	3.31	2.43	3.17	2.77

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Au	ppb	2	INAA	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ag	ppm	5	INAA	< 5	< 5	< 5	< 5	< 5	< 5	< 5
As	ppm	0.5	INAA	37.30	43.10	49.60	45.10	28.00	36.00	40.90
Ba	ppm	50	INAA	630.00	750.00	700.00	880.00	760.00	800.00	690.00
Br	ppm	0.5	INAA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ca	%	1	INAA	2.00	< 1	< 1	< 1	< 1	< 1	< 1
Co	ppm	1	INAA	5.00	7.00	5.00	6.00	5.00	8.00	5.00
Cr	ppm	5	INAA	< 5	< 5	13.00	10.00	< 5	12.00	10.00
Cs	ppm	1	INAA	1.00	3.00	2.00	< 1	2.00	2.00	2.00
Fe	%	0.01	INAA	1.50	1.80	1.69	1.65	1.68	1.86	1.69
Hf	ppm	1	INAA	4.00	4.00	4.00	4.00	4.00	5.00	4.00
Hg	ppm	1	INAA	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ir	ppb	5	INAA	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Mo	ppm	1	INAA	< 1	< 1	< 1	2.00	< 1	11.00	7.00
Na	%	0.01	INAA	3.09	3.29	3.11	3.21	3.21	3.15	3.07
Ni	ppm	20	INAA	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Rb	ppm	15	INAA	109.00	93.00	81.00	48.00	58.00	87.00	117.00
Sb	ppm	0.1	INAA	< 0.1	0.30	0.20	0.40	< 0.1	< 0.1	0.70
Sc	ppm	0.1	INAA	4.40	4.80	4.50	4.70	4.70	4.80	4.50
Se	ppm	3	INAA	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Sn	%	0.02	INAA	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sr	%	0.05	INAA	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ta	ppm	0.5	INAA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Th	ppm	0.2	INAA	15.50	16.90	17.60	15.70	16.30	17.10	16.30
U	ppm	0.5	INAA	4.00	2.90	4.10	3.40	3.20	< 0.5	2.70
W	ppm	1	INAA	< 1	< 1	< 1	< 1	< 1	5.00	< 1
Zn	ppm	50	INAA	< 50	< 50	< 50	< 50	< 50	< 50	< 50
La	ppm	0.5	INAA	34.80	36.60	35.70	36.90	37.70	37.50	36.80
Ce	ppm	3	INAA	57.00	62.00	59.00	62.00	69.00	67.00	62.00
Nd	ppm	5	INAA	17.00	19.00	28.00	31.00	21.00	29.00	39.00
Sm	ppm	0.1	INAA	3.80	4.00	3.80	4.00	4.00	4.20	4.00
Eu	ppm	0.2	INAA	0.80	1.00	0.90	0.90	0.70	0.90	0.80
Tb	ppm	0.5	INAA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yb	ppm	0.2	INAA	0.90	0.70	0.90	0.90	0.80	1.00	0.90
Lu	ppm	0.05	INAA	0.08	0.17	0.17	0.17	0.22	0.11	0.16
Mass	g		INAA	26.10	23.80	23.00	26.30	28.10	21.50	25.40

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Échantillon	SR05	SR06	SR07	SR08a	SR08b	SR09a2	SR09a3	SR10a2	SR10b	SR11
Al2O3	14.58	14.46	8.12	8.52	11.59	1.08	8.11	0.03	0.17	18.37
CaO	2.47	2.65	4.14	3.66	3.62	0.04	1.32	< 0.01	0.42	4.59
Fe2O3	2.40	2.31	3.66	4.13	7.36	2.90	5.12	0.68	20.24	8.77
K2O	2.92	2.69	0.39	1.12	4.02	0.33	2.12	< 0.03	0.05	5.90
MgO	0.83	0.80	1.68	1.70	4.82	0.09	0.91	< 0.01	0.03	6.18
MnO	0.04	0.04	0.46	0.38	0.29	0.01	0.07	< 0.0011	0.01	0.26
Na2O	4.30	4.15	3.30	2.53	< 0.03	< 0.03	1.09	< 0.03	< 0.03	0.96
P2O5	0.10	0.09	0.13	0.12	0.07	0.01	0.09	< 0.006	0.01	0.09
SiO2	69.18	67.98	74.47	73.54	55.20	93.30	74.73	98.75	55.71	40.38
S	0.12	0.05	0.71	0.73	1.07	0.01	0.15	< 0.005	0.04	1.04
TiO2	0.34	0.32	0.48	0.49	0.59	0.05	0.43	< 0.001	0.01	0.89
As	< 30	< 30	< 30	< 30	< 30	39.07	< 30	< 30	424.61	< 30
Ba	741.16	587.02	105.14	201.94	363.50	32.39	223.12	2.79	10.73	440.52
Cd	4.86	4.54	6.05	9.29	45.15	11.48	11.24	< 3	217.40	15.99
Co	22.39	6.10	12.36	15.03	24.41	< 6	22.48	24.77	45.00	19.96
Cr	23.36	11.65	86.08	80.30	94.99	14.31	87.18	10.03	20.43	128.25
Cu	22.30	23.13	68.89	83.66	228.57	90.86	163.82	14.33	764.77	174.23
La	30.87	32.38	19.58	19.68	41.10	1.77	14.39	< 1	< 1	43.91
Mo	< 20	< 20	< 20	< 20	< 20	92.31	< 20	< 20	1079.50	< 20
Ni	17.33	< 11	27.93	46.21	75.67	< 11	56.96	17.65	13.08	76.85
Pb	< 40	< 40	< 40	56.62	2082.90	5975.86	96.32	295.66	65597.47	< 40
Sc	4.48	4.33	6.41	6.95	13.51	0.76	5.65	< 0.6	5.64	23.20
Sr	266.02	330.97	182.87	169.02	207.21	3.52	80.22	1.30	15.24	225.81
V	33.10	31.64	39.22	40.81	334.70	12.51	47.94	< 4	5.30	164.47
Y	10.48	10.62	17.97	21.01	22.56	1.49	14.18	< 1.1	2.36	36.59
Zn	44.30	48.96	89.98	100.79	1464.27	119.25	139.19	91.46	6282.98	241.86
Zr	169.22	175.96	223.25	226.70	140.21	22.14	187.63	< 10	< 10	185.81
Total	101.44	99.75	100.81	100.88	98.80	100.02	98.46	100.32	95.23	100.48
PAF	4.00	4.08	3.17	3.85	9.65	1.56	4.19	0.81	11.10	12.87
85Rb	94.00	130.00	24.90	82.10	271.00	21.30	144.00	0.30	2.40	489.00
88Sr	273.00	347.00	186.00	175.00	203.00	2.30	83.30	< 0.18	13.70	233.00
89Y	9.80	9.40	17.00	20.00	21.00	< 0.21	13.90	< 0.23	2.20	37.00
90Zr	184.00	193.00	243.00	213.00	139.00	34.00	188.00	14.40	2.40	172.00
93Nb	6.74	6.56	7.04	7.36	10.80	1.01	6.34	0.12	0.06	15.40
95Mo	< 0.6	< 0.6	< 0.6	1.20	8.80	101.00	3.30	1.30	1100.00	6.10
109Ag	< 0.18	0.18	0.25	0.30	13.00	30.10	0.80	7.50	29.00	0.40
118Sn	1.70	1.90	1.70	2.00	5.40	1.10	3.00	< 0.6	1.20	5.40
133Cs	1.02	1.75	0.26	0.83	2.60	0.17	1.52	< 0.12	< 0.11	5.10
137Ba	745.00	590.00	102.00	195.00	341.00	28.10	219.00	< 0.12	4.60	439.00
139La	32.00	33.20	19.00	19.00	40.40	2.10	15.70	< 0.23	0.60	44.60
140Ce	60.10	61.70	43.50	45.10	93.00	4.82	36.60	0.05	1.55	99.00
141Pr	6.28	6.48	5.02	5.13	9.80	0.55	4.20	< 0.05	0.20	11.10
146Nd	21.40	22.10	19.20	19.90	36.30	2.09	16.50	0.02	0.85	42.10
147Sm	3.60	3.70	3.90	4.18	6.97	0.47	3.30	< 0.04	0.32	8.43
151Eu	0.81	0.81	0.81	0.80	1.25	0.09	0.61	< 0.023	0.45	1.54
157Gd	2.99	3.09	3.66	3.85	5.69	0.30	3.07	< 0.006	0.20	7.37
159Tb	0.37	0.37	0.53	0.60	0.73	0.03	0.45	< 0.04	< 0.03	1.15
163Dy	1.97	1.98	3.14	3.56	3.92	0.33	2.61	< 0.018	0.37	6.59
165Ho	0.35	0.35	0.63	0.70	0.73	0.07	0.51	< 0.012	0.08	1.31
167Er	0.99	1.01	1.83	2.01	2.20	0.19	1.49	0.01	0.26	3.83
169Tm	0.15	0.14	0.29	0.31	0.33	0.03	0.23	< 0.006	0.04	0.60
174Yb	0.94	0.94	1.80	1.90	2.16	0.18	1.54	< 0.006	0.24	3.80
175Lu	0.15	0.14	0.27	0.29	0.32	0.03	0.24	< 0.006	0.04	0.57
178Hf	4.65	4.92	5.97	5.61	3.67	0.72	4.96	0.19	0.01	4.95
181Ta	0.62	0.60	0.50	0.50	0.73	0.06	0.45	< 0.03	< 0.03	1.11
182W	4.50	3.90	8.90	4.40	920.00	209.00	14.10	234.00	25000.00	197.00
208Pb	15.60	11.10	43.20	67.20	2082.90	6740.00	118.00	320.00	90000.00	38.90
209Bi	< 0.6	< 0.6	2.20	3.90	222.00	775.00	14.40	59.90	13500.00	24.00
232Th	12.30	12.70	5.30	5.30	9.30	0.70	4.70	< 0.3	< 0.3	12.50
238U	3.18	3.27	1.56	1.56	2.61	0.26	1.49	< 0.012	1.93	3.03

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Échantillon	SR05	SR06	SR07	SR08a	SR08b	SR09a2	SR09a3	SR10a2	SR10b	SR11
Au	< 2	< 2	< 2	< 2	9.00	31.00	< 2	< 2	270.00	< 2
Ag	< 5	< 5	< 5	< 5	36.00	169.00	< 5	30.00	1280.00	< 5
As	12.90	< 0.5	< 0.5	< 0.5	39.90	44.90	34.50	16.70	342.00	< 0.5
Ba	880.00	740.00	< 50	220.00	340.00	< 50	170.00	< 50	< 50	400.00
Br	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ca	< 1	< 1	3.00	3.00	3.00	< 1	2.00	< 1	< 1	4.00
Co	3.00	6.00	15.00	19.00	31.00	4.00	25.00	< 1	29.00	22.00
Cr	< 5	12.00	85.00	85.00	101.00	12.00	67.00	9.00	< 5	139.00
Cs	2.00	4.00	< 1	3.00	6.00	< 1	2.00	< 1	< 1	9.00
Fe	1.76	1.88	2.48	2.94	5.40	2.08	3.54	0.50	12.30	6.27
Hf	5.00	4.00	5.00	5.00	3.00	< 1	4.00	< 1	< 1	4.00
Hg	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ir	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Mo	< 1	< 1	9.00	< 1	20.00	112.00	< 1	< 1	713.00	3.00
Na	3.01	3.30	2.45	1.87	0.07	0.03	0.82	< 0.01	< 0.01	0.71
Ni	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Rb	< 15	127.00	< 15	117.00	275.00	22.00	134.00	< 15	44.00	392.00
Sb	< 0.1	< 0.1	< 0.1	< 0.1	3.80	3.20	1.30	1.20	107.00	1.10
Sc	4.70	5.30	6.40	7.10	13.90	0.90	6.00	< 0.1	0.20	23.70
Se	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Sn	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sr	< 0.05	0.09	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ta	2.70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Th	16.80	18.50	7.00	6.70	12.50	0.90	6.20	< 0.2	< 0.2	16.20
U	3.40	4.90	1.50	1.80	2.60	< 0.5	< 0.5	< 0.5	7.30	4.70
W	< 1	< 1	< 1	< 1	448.00	112.00	12.00	95.00	9450.00	< 1
Zn	< 50	170.00	< 50	170.00	1530.00	130.00	100.00	100.00	4670.00	220.00
La	35.80	40.20	20.00	21.10	44.10	2.30	16.80	< 0.5	0.80	46.50
Ce	64.00	67.00	37.00	44.00	103.00	4.00	35.00	< 3	< 3	94.00
Nd	30.00	37.00	20.00	20.00	43.00	< 5	21.00	< 5	< 5	47.00
Sm	3.90	4.40	4.10	4.40	7.90	0.50	3.80	< 0.1	< 0.1	9.00
Eu	0.90	1.00	0.90	0.90	1.30	< 0.2	0.70	< 0.2	1.40	1.30
Tb	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yb	0.90	1.10	1.70	2.00	2.40	< 0.2	1.30	< 0.2	< 0.2	3.60
Lu	0.21	0.22	0.33	0.33	0.42	< 0.05	0.25	< 0.05	< 0.05	0.48
Mass	20.90	14.20	26.30	25.60	22.00	28.00	25.60	27.60	2.45	20.60

Annexe D-2-c : Résultats d'analyses affleurement zone Centre

Échantillon	SR12	SR13	SR14	SR15	SR16b	SR16c	SR17b	SR18b	SR18c	SR19
Al2O3	11.42	11.87	10.71	10.30	9.28	10.96	10.37	11.13	11.21	10.99
CaO	1.39	0.67	0.72	0.56	1.27	1.05	0.97	0.64	0.19	1.89
Fe2O3	4.55	4.18	4.17	4.66	3.50	4.24	4.29	4.32	4.44	3.98
K2O	2.97	2.65	2.78	2.95	1.97	2.54	2.81	2.66	2.73	2.98
MgO	1.97	1.69	1.68	1.84	1.48	0.70	1.95	1.79	0.60	1.63
MnO	0.10	0.06	0.06	0.05	0.09	0.10	0.09	0.07	0.07	0.10
Na2O	1.55	2.32	1.50	0.77	1.98	1.94	1.07	1.58	1.45	1.11
P2O5	0.11	0.10	0.12	0.16	0.12	0.12	0.14	0.11	0.12	0.10
SiO2	70.08	72.26	72.44	74.24	75.85	75.43	72.29	71.78	76.42	70.12
S	0.19	0.05	0.09	0.06	0.22	0.18	0.05	0.04	0.01	0.46
TiO2	0.66	0.60	0.56	0.48	0.49	0.57	0.50	0.58	0.61	0.57
As	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Ba	360.55	349.28	338.86	353.98	189.40	247.65	310.18	326.43	346.25	308.28
Cd	9.59	7.49	7.44	8.23	5.40	7.91	11.00	8.84	10.56	26.41
Co	14.66	13.06	12.94	14.01	63.81	13.80	14.28	12.09	15.10	14.51
Cr	89.59	83.32	87.44	71.41	69.04	75.74	76.83	84.05	94.99	78.02
Cu	35.74	21.64	33.77	41.87	21.53	33.98	19.80	23.00	23.41	78.48
La	22.71	22.57	20.86	16.73	18.33	21.13	16.89	21.23	21.91	21.32
Mo	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Ni	41.38	48.47	41.28	44.61	67.83	36.21	43.44	42.00	52.97	32.60
Pb	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	107.41
Sc	10.45	9.77	8.96	7.42	7.93	9.09	8.64	9.11	9.25	8.95
Sr	80.42	93.96	53.18	42.42	83.49	66.10	70.09	57.71	52.20	91.03
V	70.90	64.05	56.46	50.34	47.23	59.18	55.97	61.77	60.31	62.91
Y	22.12	20.76	22.55	21.09	25.34	22.14	18.15	20.77	22.53	19.50
Zn	64.73	49.34	53.53	58.91	42.15	74.30	52.84	50.61	52.22	1706.81
Zr	218.66	192.87	223.21	187.45	173.40	160.07	131.98	183.72	218.24	184.77
Total	100.38	101.02	99.40	100.96	100.41	100.82	99.82	99.71	100.46	98.84
PAF	5.29	4.47	4.49	4.80	4.08	2.91	5.19	4.91	2.52	4.65
85Rb	187.00	158.00	155.00	157.00	137.00	172.00	176.00	156.00	159.00	198.00
88Sr	83.90	98.00	55.70	42.90	88.50	68.70	76.00	60.90	56.30	95.00
89Y	23.00	20.00	22.00	21.00	24.50	21.00	19.00	20.00	23.00	20.00
90Zr	237.00	213.00	248.00	209.00	194.00	153.00	141.00	195.00	242.00	205.00
93Nb	10.20	9.30	9.00	7.62	7.73	8.56	7.97	9.10	10.00	8.70
95Mo	< 0.6	< 0.6	< 0.5	< 0.6	< 0.6	< 0.6	< 0.6	< 0.5	< 0.6	< 0.5
109Ag	0.30	0.20	0.25	< 0.17	0.20	0.20	< 0.18	0.25	5.00	0.92
118Sn	2.40	1.70	2.00	1.90	1.20	1.40	1.60	1.80	2.10	3.50
133Cs	1.80	1.90	2.00	2.00	1.28	1.68	1.68	2.00	1.90	1.80
137Ba	358.00	346.00	340.00	349.00	188.00	243.00	312.00	324.00	353.00	310.00
139La	24.80	23.10	22.20	19.00	19.00	21.00	19.00	21.90	23.00	22.40
140Ce	53.40	49.70	49.60	43.40	43.70	47.40	41.10	48.10	51.90	48.20
141Pr	6.33	5.79	5.94	5.27	5.26	5.69	4.84	5.74	6.18	5.73
146Nd	24.20	22.60	23.00	20.70	20.80	21.90	19.00	22.00	23.90	21.60
147Sm	4.92	4.48	4.80	4.38	4.65	4.58	4.00	4.47	4.78	4.34
151Eu	1.02	0.92	0.95	0.84	0.94	1.01	0.85	0.91	0.96	0.87
157Gd	4.58	4.20	4.43	4.19	4.40	4.38	3.84	4.09	4.57	3.97
159Tb	0.68	0.63	0.69	0.65	0.72	0.67	0.61	0.64	0.71	0.59
163Dy	3.98	3.72	4.06	3.87	4.36	3.87	3.44	3.64	4.16	3.46
165Ho	0.80	0.77	0.82	0.78	0.85	0.79	0.68	0.75	0.82	0.70
167Er	2.28	2.16	2.38	2.20	2.46	2.24	2.01	2.06	2.44	2.07
169Tm	0.35	0.34	0.36	0.33	0.38	0.33	0.31	0.32	0.36	0.32
174Yb	2.34	2.22	2.30	1.98	2.32	2.19	1.92	2.08	2.40	2.07
175Lu	0.36	0.34	0.34	0.31	0.35	0.32	0.29	0.32	0.35	0.32
178Hf	6.09	5.52	6.44	5.34	4.97	4.18	3.80	5.16	6.32	5.42
181Ta	0.71	0.67	0.62	0.53	0.54	0.60	0.55	0.65	0.68	0.63
182W	111.00	68.40	47.00	37.00	29.00	6.30	5.60	4.60	6.10	10.60
208Pb	14.10	8.78	13.00	7.53	9.00	8.90	6.50	5.91	9.30	136.00
209Bi	11.30	6.60	5.70	4.50	3.00	0.60	1.10	0.90	1.10	7.60
232Th	7.00	6.40	6.20	5.10	5.30	6.00	5.60	6.30	6.60	6.30
238U	1.88	1.71	1.55	1.31	1.39	1.42	1.45	1.60	1.81	1.66

Annexe D-2-c : Résultats d'analyses affleurement zone Centre

Échantillon	SR12	SR13	SR14	SR15	SR16b	SR16c	SR17b	SR18b	SR18c	SR19
Au	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ag	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
As	3.50	9.80	< 0.5	< 0.5	< 0.5	< 0.5	5.60	< 0.5	< 0.5	30.80
Ba	460.00	380.00	390.00	330.00	< 50	190.00	550.00	300.00	320.00	360.00
Br	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.50	< 0.5	< 0.5	< 0.5	< 0.5
Ca	< 1	< 1	< 1	< 1	< 1	2.00	3.00	< 1	< 1	< 1
Co	14.00	12.00	12.00	14.00	13.00	15.00	12.00	13.00	14.00	13.00
Cr	99.00	75.00	83.00	77.00	79.00	84.00	80.00	89.00	86.00	78.00
Cs	4.00	3.00	3.00	3.00	3.00	4.00	4.00	4.00	3.00	3.00
Fe	3.32	2.76	2.94	3.49	2.68	2.97	3.23	3.15	3.10	2.75
Hf	6.00	4.00	6.00	4.00	4.00	3.00	3.00	4.00	5.00	5.00
Hg	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ir	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Mo	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Na	1.19	1.59	1.12	0.67	1.55	1.14	0.95	1.28	1.17	0.96
Ni	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Rb	180.00	144.00	150.00	150.00	162.00	132.00	156.00	158.00	157.00	165.00
Sb	< 0.1	2.50	0.40	< 0.1	0.30	0.30	0.60	0.30	0.30	1.00
Sc	11.00	9.50	9.50	8.70	9.10	8.60	9.90	9.80	9.60	9.30
Se	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Sn	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sr	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ta	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.40	< 0.5
Th	9.00	7.50	8.70	7.20	6.80	7.70	7.20	8.10	8.10	8.50
U	< 0.5	1.90	2.50	2.20	2.00	2.50	< 0.5	1.70	1.80	2.30
W	< 1	< 1	< 1	< 1	< 1	4.00	< 1	4.00	< 1	9.00
Zn	< 50	< 50	70.00	70.00	< 50	140.00	< 50	140.00	70.00	1820.00
La	27.20	23.20	23.50	20.80	22.30	18.10	20.70	23.40	24.00	22.40
Ce	55.00	45.00	50.00	48.00	45.00	38.00	46.00	51.00	50.00	49.00
Nd	30.00	20.00	24.00	22.00	24.00	11.00	31.00	20.00	24.00	24.00
Sm	5.60	4.80	5.10	5.20	5.40	5.40	4.60	4.70	4.90	4.40
Eu	1.00	0.90	0.90	0.90	1.00	0.80	0.80	0.90	0.90	0.90
Tb	< 0.5	< 0.5	0.90	< 0.5	0.80	< 0.5	< 0.5	< 0.5	0.60	< 0.5
Yb	2.30	2.00	2.10	2.00	2.20	1.80	2.00	2.00	2.00	1.90
Lu	0.36	0.34	0.38	0.38	0.32	0.29	0.36	0.36	0.38	0.41
Mass	25.30	25.90	24.30	17.00	19.90	1.27	17.70	23.90	24.00	21.40

Annexe D-2-c : Résultats d'analyses affleurement zone Centre

Échantillon	SR20b	SR21b	SR22a	SR22b
Al2O3	9.03	11.33	12.53	14.55
CaO	1.83	1.65	2.03	2.48
Fe2O3	2.83	3.57	4.20	2.34
K2O	1.76	2.62	2.75	2.75
MgO	1.25	1.67	1.92	0.79
MnO	0.09	0.09	0.13	0.04
Na2O	2.10	2.14	2.44	4.18
P2O5	0.09	0.08	0.09	0.10
SiO2	73.16	70.77	67.59	68.42
S	0.17	0.11	0.19	0.14
TiO2	0.56	0.58	0.66	0.31
As	< 30	< 30	< 30	< 30
Ba	240.40	352.11	379.14	617.17
Cd	5.91	8.90	7.59	4.02
Co	6.77	13.33	13.21	< 6
Cr	98.57	87.68	94.83	11.05
Cu	35.34	33.20	29.52	26.37
La	20.18	21.96	24.54	30.30
Mo	< 20	< 20	< 20	< 20
Ni	36.43	41.00	43.52	< 11
Pb	< 40	< 40	< 40	< 40
Sc	7.47	9.18	11.32	4.29
Sr	113.64	112.75	150.56	292.23
V	51.55	63.19	76.35	31.51
Y	19.14	19.74	20.86	9.91
Zn	112.04	76.55	88.16	45.58
Zr	315.98	215.64	220.90	181.56
Total	97.15	99.57	100.17	100.38
PAF	4.18	4.84	5.52	4.14
85Rb	136.00	182.00	197.00	97.00
88Sr	122.00	117.00	157.00	304.00
89Y	20.00	19.00	21.00	9.20
90Zr	350.00	246.00	248.00	208.00
93Nb	8.25	8.69	9.80	6.50
95Mo	< 0.6	< 0.5	< 0.5	< 0.5
109Ag	0.22	0.40	0.20	0.24
118Sn	2.20	2.60	2.40	1.80
133Cs	1.62	2.40	2.50	1.27
137Ba	244.00	353.00	377.00	622.00
139La	22.00	22.90	26.30	31.10
140Ce	46.10	49.20	56.40	58.90
141Pr	5.48	5.79	6.58	6.20
146Nd	21.10	21.70	25.00	21.20
147Sm	4.20	4.32	4.91	3.50
151Eu	0.93	0.91	1.01	0.83
157Gd	3.97	3.97	4.24	2.96
159Tb	0.58	0.57	0.63	0.36
163Dy	3.40	3.48	3.63	1.89
165Ho	0.70	0.71	0.73	0.35
167Er	2.07	2.07	2.18	1.01
169Tm	0.33	0.33	0.35	0.14
174Yb	2.16	2.13	2.26	0.94
175Lu	0.34	0.33	0.35	0.14
178Hf	8.86	6.17	6.30	5.07
181Ta	0.61	0.62	0.73	0.60
182W	10.10	7.60	12.60	3.40
208Pb	19.30	12.50	16.00	19.00
209Bi	2.10	0.90	0.90	< 0.5
232Th	6.10	6.20	7.10	11.90
238U	1.79	1.76	1.87	2.93

Annexe D-2-c : Résultats d'analyses affleurement zone Centre

Échantillon	SR20b	SR21b	SR22a	SR22b
Au	< 2	< 2	< 2	< 2
Ag	< 5	< 5	< 5	< 5
As	29.10	< 0.5	< 0.5	5.60
Ba	270.00	300.00	480.00	580.00
Br	< 0.5	< 0.5	< 0.5	< 0.5
Ca	< 1	2.00	< 1	< 1
Co	10.00	11.00	14.00	5.00
Cr	105.00	82.00	106.00	16.00
Cs	3.00	4.00	4.00	3.00
Fe	2.16	2.55	2.96	1.63
Hf	7.00	5.00	5.00	4.00
Hg	< 1	< 1	< 1	< 1
Ir	< 5	< 5	< 5	< 5
Mo	< 1	< 1	< 1	8.00
Na	1.76	1.66	1.90	3.15
Ni	130.00	< 20	< 20	< 20
Rb	129.00	154.00	155.00	< 15
Sb	1.00	0.50	0.60	< 0.1
Sc	8.40	9.90	12.10	4.70
Se	< 3	< 3	< 3	< 3
Sn	< 0.02	< 0.02	< 0.02	< 0.02
Sr	< 0.05	< 0.05	< 0.05	< 0.05
Ta	1.80	< 0.5	2.90	< 0.5
Th	8.00	7.50	10.40	15.40
U	< 0.5	1.60	2.00	2.50
W	7.00	< 1	7.00	< 1
Zn	< 50	130.00	120.00	100.00
La	23.40	24.20	28.50	35.10
Ce	49.00	47.00	57.00	63.00
Nd	22.00	20.00	32.00	19.00
Sm	4.70	4.60	5.30	3.90
Eu	0.90	0.90	1.00	0.80
Tb	< 0.5	< 0.5	0.90	< 0.5
Yb	2.10	2.10	1.90	0.70
Lu	0.43	0.39	0.42	0.19
Mass	23.70	23.00	21.10	18.70