	Sample-no. WD-XRF	no. of fragment	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	P2O5	(S)	Cl	(Sc)	V	Cr	(Co)	Ni	(Cu)	Zn	(Ga)	As	Rb	Sr	Y	Zr	Nb	Ba	(La)	(Ce)	(Nd)	(Pb)	(Th)	l.o.i.	total	sum of oxides (in %)
WD-XRF, normalized	MD818	0_01.1	49.12	0.84	14.90	7.74	0.102	4.52	19.73	0.74	2.08	0.23	0.00	n.m.	24	103	473	31	387	45	92	18	n.m.	83	400	21	179	12	220	31	30	22	12	10	6.12	99.87	100.00
WD-XRF, normalized	MD819	0_02.1	50.15	0.87	14.08	7.19	0.117	4.27	19.49	1.07	2.51	0.25	0.00	n.m.	29	99	626	29	286	38	85	15	n.m.	64	357	25	205	14	281	15	56	13	12	14	8.10	99.59	100.00
WD-XRF, normalized	MD820	0_03.1	51.43	0.84	14.47	7.40	0.103	4.54	17.86	1.03	2.06	0.26	0.00	n.m.	27	120	535	26	330	56	100	17	n.m.	72	380	19	176	12	281	10	46	13	11	13	6.08	100.10	100.00
WD-XRF, normalized	MD821	0_04.1	50.93	0.86	12.88	8.06	0.134	4.79	19.94	0.32	1.77	0.32	0.00	n.m.	26	99	610	37	465	46	97	15	n.m.	59	301	19	171	14	200	19	54	39	8	14	6.33	99.74	100.00
WD-XRF, normalized	MD822	0_05.1	50.38	0.93	14.33	7.88	0.115	4.64	18.72	1.06	1.74	0.20	0.00	n.m.	19	123	571	30	331	37	76	15	n.m.	60	388	20	177	12	308	33	36	35	6	10	6.20	99.82	100.00
WD-XRF, normalized	MD823	0_06.1	50.50	0.82	14.53	7.67	0.111	4.54	18.94	0.74	1.97	0.18	0.00	n.m.	26	107	461	36	416	37	91	18	n.m.	80	294	20	171	13	235	15	62	42	9	14	5.40	99.89	100.00
WD-XRF, normalized	MD824	0_07.1	48.33	0.85	13.81	7.03	0.104	3.95	22.80	0.87	1.97	0.27	0.00	n.m.	30	107	613	23	274	41	86	14	n.m.	73	349	22	204	12	233	23	52	24	9	16	8.30	100.45	100.00
WD-XRF, normalized	MD825	0_01	51.00	0.84	14.51	7.61	0.108	4.56	18.14	0.92	1.94	0.37	0.00	n.m.	22	121	562	26	387	47	82	16	n.m.	75	381	22	177	11	239	26	52	35	11	12	4.18	99.85	100.00
WD-XRF, normalized	MD826	0_02	50.56	0.87	14.93	7.78	0.127	4.82	17.85	0.91	1.90	0.26	0.00	n.m.	22	113	533	39	369	60	89	16	n.m.	77	348	20	177	12	318	29	43	35	11	15	4.44	99.73	100.00
WD-XRF, normalized	MD827	0_03	50.26	0.82	14.37	7.49	0.108	4.69	18.67	1.10	2.29	0.21	0.00	n.m.	24	113	500	31	367	58	88	18	n.m.	71	412	21	169	11	226	23	37	28	9	15	7.83	99.73	100.00
WD-XRF, normalized	MD828	0_04	50.21	0.81	14.00	7.33	0.118	4.75	19.59	1.02	1.93	0.23	0.00	n.m.	22	104	530	28	383	48	82	15	n.m.	69	364	18	163	13	239	17	31	27	9	16	6.37	99.33	100.00
WD-XRF, normalized	MD829	0_05	52.68	0.86	14.70	7.68	0.114	4.90	15.65	1.14	2.02	0.26	0.00	n.m.	27	126	563	33	399	48	72	18	n.m.	73	363	18	178	13	274	17	43	36	10	13	3.66	100.39	100.00
WD-XRF, normalized	MD830	0_06	50.64	0.82	14.02	7.40	0.113	4.39	19.42	0.99	1.95	0.26	0.00	n.m.	28	118	538	26	369	47	83	16	n.m.	68	363	22	173	12	269	30	36	27	10	15	8.07	100.44	100.00
WD-XRF, normalized	MD831	0_07	54.21	0.87	14.71	7.52	0.126	5.58	13.17	1.33	2.22	0.27	0.00	n.m.	26	141	440	24	198	55	84	17	n.m.	70	457	20	185	12	325	26	36	13	12	9	3.89	100.40	100.00
WD-XRF, normalized	MD832	0_08	53.49	0.86	13.66	7.09	0.126	5.03	15.85	0.97	2.64	0.27	0.00	n.m.	27	139	504	26	187	48	77	15	n.m.	62	569	22	205	13	394	22	57	19	12	8	5.89	99.48	100.00
WD-XRF, normalized	MD833	0_09	51.72	0.85	14.61	8.09	0.141	6.23	14.77	1.22	2.12	0.25	0.00	n.m.	23	129	398	30	289	57	81	17	n.m.	67	586	22	188	15	387	2	51	18	13	6	2.21	100.00	100.00
WD-XRF, normalized	MD834	0_10	51.06	0.86	13.96	6.98	0.120	5.46	18.17	1.35	1.82	0.20	0.00	n.m.	23	124	381	24	176	43	77	15	n.m.	46	604	22	198	17	405	22	56	14	9	8	3.74	100.33	100.00
WD-XRF, normalized	MD835	0_11	53.63	0.84	13.49	7.10	0.124	5.56	14.98	1.57	2.39	0.31	0.00	n.m.	29	133	593	29	219	53	68	17	n.m.	55	604	19	191	12	334	28	47	9	11	7	5.59	100.03	100.00
WD-XRF, normalized	MD836	0_12	55.66	0.77	13.47	7.23	0.134	5.67	13.21	1.64	2.01	0.20	0.00	n.m.	20	129	419	29	221	63	79	13	n.m.	51	514	17	173	10	317	12	30	20	11	9	4.84	99.65	100.00
WD-XRF, normalized	MD837	0_13	52.76	0.87	14.37	8.12	0.140	6.03	13.65	1.71	1.96	0.39	0.00	n.m.	26	145	419	29	270	55	68	16	n.m.	54	472	22	182	12	300	15	30	25	7	10	1.63	100.20	100.00
WD-XRF, normalized	MD838	0_14	52.13	0.84	14.00	8.16	0.158	6.68	14.01	1.71	2.05	0.25	0.00	n.m.	26	142	428	37	278	54	83	16	n.m.	51	634	21	175	10	1161	14	38	19	2	6	3.63	100.33	100.00
WD-XRF, normalized	MD839	0_15	52.78	0.78	13.33	7.23	0.150	6.47	15.17	1.99	1.72	0.38	0.00	n.m.	27	144	401	28	241	43	82	15	n.m.	47	551	16	155	7	386	14	21	19	9	4	4.30	99.96	100.00
WD-XRF, normalized	MD840	0_16	52.09	0.78	13.95	7.92	0.147	6.47	14.53	1.62	2.19	0.30	0.00	n.m.	27	128	320	29	271	48	90	16	n.m.	55	586	18	165	9	305	14	56	22	8	9	6.85	99.88	100.00
WD-XRF, normalized	MD841	0_17	52.12	0.86	14.00	8.17	0.149	6.50	14.14	1.81	2.03	0.24	0.00	n.m.	22	146	476	31	267	47	76	14	n.m.	46	581	20	173	10	505	4	46	21	5	8	2.68	100.17	100.00
WD-XRF, normalized	MD842	0_18	50.47	0.77	13.13	7.51	0.155	6.91	16.71	1.67	2.21	0.47	0.00	n.m.	26	138	360	35	270	50	81	15	n.m.	42	709	18	166	10	775	12	42	9	8	3	4.87	100.05	100.00
WD-XRF, normalized	MD843	0_19	49.32	0.89	13.34	7.91	0.134	5.84	20.77	0.25	1.34	0.20	0.00	n.m.	26	118	593	38	410	45	91	16	n.m.	60	316	22	170	13	276	12	40	26	10	13	4.26	100.00	100.00
WD-XRF, normalized	MD844	0_20	54.38	0.90	13.75	7.86	0.158	4.61	16.17	0.61	1.41	0.15	0.00	n.m.	28	149	445	31	238	50	80	15	n.m.	50	446	23	177	12	240	17	47	52	13	10	5.14	98.62	100.00
WD-XRF, normalized	MD845	0_21	53.41	0.81	12.71	7.51	0.119	5.07	18.04	0.32	1.71	0.29	0.00	n.m.	24	106	627	34	460	46	89	14	n.m.	64	266	24	167	15	165	27	47	15	8	11	5.62	99.81	100.00
WD-XRF, normalized	MD846	0_22	51.79	0.87	14.74	7.91	0.114	4.72	16.65	0.86	2.03	0.31	0.00	n.m.	19	106	548	28	411	42	98	18	n.m.	73	351	20	177	13	269	24	49	4	10	11	4.34	99.94	100.00
WD-XRF, normalized	MD847	0_23	50.53	0.91	14.79	8.00	0.103	4.96	17.68	0.85	1.92	0.26	0.00	n.m.	25	106	529	28	370	47	91	15	n.m.	72	384	22	181	14	288	21	28	28	9	12	4.74	99.70	100.00

WD-XRF, normalized	MD848	0_24	50.69	0.86	12.79	7.64	0.127	4.55	20.85	0.32	1.93	0.24	0.00	n.m.	29	119	500	34	378	38	97	15	n.m.	59	231	21	164	11	197	19	41	44	13	17	9.64	99.99	100.00
WD-XRF, normalized	MD849	0_25	52.41	0.90	13.91	8.22	0.132	4.99	17.35	0.24	1.51	0.34	0.00	n.m.	31	117	508	40	443	48	95	18	n.m.	68	229	23	172	12	220	38	46	32	8	11	2.28	100.50	100.00
WD-XRF, normalized	MD850	0_26	52.23	0.86	12.44	8.08	0.128	4.50	19.17	0.36	2.03	0.20	0.00	n.m.	26	105	611	36	475	50	102	15	n.m.	52	252	22	168	14	168	14	56	23	10	15	10.93	99.69	100.00
WD-XRF, normalized	MD851	0_27	51.35	0.83	14.66	7.64	0.109	4.53	17.64	0.78	2.19	0.28	0.00	n.m.	26	116	477	28	385	36	91	18	n.m.	78	324	23	173	15	228	15	38	19	13	14	4.63	100.13	100.00
WD-XRF, normalized	MD852	0_28	53.89	0.82	12.61	8.47	0.129	5.64	15.95	0.42	1.77	0.31	0.00	n.m.	26	115	669	41	610	39	91	16	n.m.	61	273	22	163	12	183	18	29	11	6	9	4.57	100.38	100.00
WD-XRF, normalized	MD853	0_29	51.74	0.92	14.62	7.99	0.130	4.77	16.53	1.02	2.07	0.21	0.00	n.m.	29	113	535	34	368	41	88	16	n.m.	64	344	23	180	13	301	18	60	39	11	17	4.91	99.88	100.00
WD-XRF, normalized	MD854	0_30	53.37	0.83	12.76	8.47	0.120	5.37	16.37	0.38	1.81	0.53	0.00	n.m.	25	119	768	43	619	49	93	12	n.m.	63	274	19	167	12	165	24	39	45	9	11	3.67	99.92	100.00
WD-XRF, normalized	MD855	0_31	55.29	0.88	15.12	7.57	0.093	4.55	12.53	1.29	2.43	0.25	0.00	n.m.	23	119	671	27	367	34	71	17	n.m.	75	334	20	178	12	234	7	26	16	8	9	3.46	100.21	100.00
WD-XRF, normalized	MD856	0_32	51.22	0.84	14.70	7.69	0.133	4.76	17.69	0.81	1.89	0.27	0.00	n.m.	19	111	489	37	387	39	84	16	n.m.	75	350	23	175	15	299	11	51	26	14	12	4.39	100.02	100.00
WD-XRF, normalized	MD857	0_33	52.17	0.81	12.26	8.34	0.105	5.45	18.86	0.23	1.48	0.30	0.00	n.m.	17	119	714	37	607	53	97	14	n.m.	63	203	21	159	12	176	5	35	12	9	14	3.52	100.60	100.00
WD-XRF, normalized	MD858	0_34	50.34	0.90	14.65	7.94	0.109	4.99	18.19	0.81	1.80	0.25	0.00	n.m.	21	111	527	32	369	42	96	16	n.m.	70	370	23	177	12	264	11	57	25	12	11	4.85	99.83	100.00
WD-XRF, normalized	MD981	1_01	48.46	0.79	12.84	8.07	0.154	8.26	18.25	1.47	1.52	0.19	0.00	n.m.	27	145	388	41	356	58	91	14	n.m.	53	475	20	155	10	281	13	35	39	8	7	0.27	100.02	100.00
WD-XRF, normalized	MD982	1_02	50.19	0.97	12.82	6.65	0.101	3.73	22.22	0.44	2.21	0.67	1.90	n.m.	18	129	347	26	135	36	96	16	n.m.	60	954	22	222	13	312	39	59	16	17	6	7.89	94.46	100.00
WD-XRF, normalized	MD983	1_03	50.86	0.76	13.26	7.69	0.139	7.36	15.97	2.15	1.57	0.23	0.00	n.m.	27	139	348	30	292	29	63	15	n.m.	24	491	20	160	10	271	2	57	29	2	7	2.43	100.09	100.00
WD-XRF, normalized	MD943	106_01	52.12	0.80	13.61	7.06	0.137	5.75	16.18	1.47	2.63	0.24	0.30	n.m.	23	109	401	25	211	51	71	16	n.m.	55	1510	20	198	13	818	13	58	14	5	2	7.13	98.79	100.00
WD-XRF, normalized	MD944	106_02	52.55	0.90	14.01	7.33	0.130	6.13	14.46	1.55	2.64	0.30	0.00	n.m.	21	125	387	26	193	33	83	16	n.m.	52	550	24	192	14	316	13	63	19	12	8	5.54	99.60	100.00
WD-XRF, normalized	MD945	106_03	50.91	0.83	13.95	7.87	0.144	6.49	16.31	1.41	1.81	0.28	0.00	n.m.	24	128	370	35	252	42	80	15	n.m.	43	576	21	184	11	333	24	53	25	3	9	0.61	100.71	100.00
WD-XRF, normalized	MD952	118_01	54.32	0.81	14.43	7.92	0.144	6.06	12.46	1.70	1.94	0.22	0.00	n.m.	24	129	389	31	256	51	87	17	n.m.	59	423	19	170	9	364	20	44	26	9	9	0.77	100.46	100.00
WD-XRF, normalized	MD953	118_02	55.83	0.82	14.24	7.65	0.138	5.58	11.72	1.83	1.95	0.24	0.00	n.m.	27	143	463	26	234	51	90	17	n.m.	58	466	19	175	9	345	17	25	17	11	9	4.25	99.93	100.00
WD-XRF, normalized	MD954	118_03	54.06	0.79	13.92	7.49	0.141	6.34	12.35	2.48	2.20	0.23	0.00	n.m.	23	128	364	29	249	43	77	13	n.m.	48	434	16	163	10	299	10	40	31	3	9	4.39	99.97	100.00
WD-XRF, normalized	MD955	16.4_01	53.28	0.83	14.11	7.51	0.133	5.27	14.82	1.52	2.24	0.28	0.00	n.m.	26	131	291	28	208	48	94	19	n.m.	62	487	21	177	10	329	10	49	20	12	11	6.54	99.85	100.00
WD-XRF, normalized	MD956	16.5_01	53.73	0.84	14.26	7.08	0.111	5.03	15.38	1.07	2.07	0.42	0.00	n.m.	27	124	287	24	170	40	89	16	n.m.	65	472	21	192	14	338	28	50	20	7	9	1.34	100.08	100.00
WD-XRF, normalized	MD957	16.7_01	49.15	0.93	12.56	6.54	0.121	4.54	22.19	0.62	2.87	0.48	0.00	n.m.	21	110	418	28	158	46	104	14	n.m.	65	746	23	237	14	360	17	56	45	12	9	10.61	99.16	100.00
WD-XRF, normalized	MD958	16.8_01	54.04	0.83	13.58	6.93	0.122	5.92	14.79	1.52	2.03	0.25	0.00	n.m.	22	119	411	25	194	47	68	16	n.m.	44	497	21	190	13	450	19	58	9	4	8	1.65	100.56	100.00
WD-XRF, normalized	MD959	16.8_02	53.21	0.83	13.66	7.60	0.132	6.02	13.99	1.66	2.52	0.38	0.00	n.m.	25	124	548	28	278	60	92	15	n.m.	57	662	17	188	12	338	15	36	36	9	11	4.90	100.45	100.00
WD-XRF, normalized	MD960	16.8_03	53.73	0.88	14.37	7.39	0.126	5.97	13.42	1.29	2.42	0.41	0.00	n.m.	24	120	376	25	199	42	70	17	n.m.	61	482	24	195	13	474	25	53	31	6	10	1.44	100.22	100.00
WD-XRF, normalized	MD946	20_01	51.34	0.85	13.72	7.78	0.159	6.16	16.15	1.74	1.88	0.23	0.40	n.m.	25	132	414	29	248	48	71	14	n.m.	41	557	21	174	11	508	2	48	15	5	8	3.11	99.37	100.00
WD-XRF, normalized	MD947	20_02	51.40	0.78	13.27	7.45	0.130	5.67	16.73	1.77	2.54	0.24	0.00	n.m.	20	134	341	30	236	43	88	16	n.m.	40	525	17	166	12	268	22	30	14	1	10	13.63	99.63	100.00
WD-XRF, normalized	MD948	20_03	52.15	0.85	14.40	8.16	0.146	7.38	12.48	1.71	2.50	0.23	0.00	n.m.	18	103	342	32	270	65	62	16	n.m.	53	390	25	162	13	418	31	57	28	4	15	3.26	100.27	100.00
WD-XRF, normalized	MD964	24_01	52.50	0.84	13.46	7.43	0.135	5.78	15.20	1.77	2.59	0.29	0.00	n.m.	26	130	522	29	241	59	98	14	n.m.	56	847	20	191	9	313	10	43	22	10	3	9.06	100.24	100.00
WD-XRF, normalized	MD965	24_02	55.13	0.84	14.19	7.67	0.137	5.55	12.91	1.48	1.86	0.25	0.00	n.m.	23	138	448	30	236	55	83	17	n.m.	57	581	24	171	12	383	19	44	43	11	7	4.18	100.30	100.00

WD-XRF, normalized	MD966	24_03	51.22	0.87	14.90	8.68	0.154	6.18	14.32	1.09	2.12	0.45	0.00	n.m.	26	127	324	34	276	67	85	17	n.m.	65	524	24	186	12	450	23	27	19	9	8	2.38	99.92	100.00
WD-XRF, normalized	MD937	40.1_01	53.50	0.86	14.01	7.85	0.141	6.51	12.58	2.07	1.99	0.48	0.00	n.m.	20	140	482	29	255	70	83	17	n.m.	53	480	19	173	12	301	7	32	41	3	8	4.76	100.17	100.00
WD-XRF, normalized	MD938	40.3_01	47.66	0.73	12.02	5.64	0.090	3.96	26.70	0.89	1.93	0.39	0.30	n.m.	28	159	317	20	99	41	62	13	n.m.	34	1017	16	160	6	1027	6	29	9	17	4	13.40	99.69	100.00
WD-XRF, normalized	MD939	40.3_02	52.09	0.84	14.40	7.23	0.121	5.22	16.36	1.44	1.88	0.40	0.00	n.m.	24	151	283	26	173	29	77	17	n.m.	36	621	22	200	16	381	17	42	17	1	10	1.96	100.43	100.00
WD-XRF, normalized	MD967	45_01	49.87	0.86	12.95	7.46	0.140	7.24	17.61	2.05	1.60	0.23	0.00	n.m.	24	147	496	30	246	50	94	15	n.m.	51	579	24	188	11	304	14	27	20	2	4	0.70	100.61	100.00
WD-XRF, normalized	MD968	45_02	53.23	0.82	13.34	7.33	0.131	6.65	14.73	1.74	1.82	0.22	0.00	n.m.	20	145	460	26	217	49	82	14	n.m.	55	495	21	173	11	372	6	47	40	3	6	0.99	100.63	100.00
WD-XRF, normalized	MD969	45_03	51.66	0.77	13.31	7.27	0.125	7.23	15.29	1.57	2.44	0.33	0.00	n.m.	20	139	383	27	227	56	91	15	n.m.	60	654	18	166	10	401	7	46	21	12	10	8.66	100.24	100.00
WD-XRF, normalized	MD970	45_04	52.85	1.40	14.61	8.71	0.157	4.68	13.81	1.07	2.35	0.37	0.00	n.m.	24	157	319	33	178	44	84	17	n.m.	64	458	26	242	18	348	24	58	53	2	11	4.03	99.76	100.00
WD-XRF, normalized	MD971	45_05	49.33	0.84	13.99	8.20	0.163	6.58	17.04	1.28	2.18	0.40	0.00	n.m.	24	135	307	36	285	73	92	17	n.m.	57	585	22	171	12	382	13	48	51	11	8	5.65	99.69	100.00
WD-XRF, normalized	MD972	45_06	51.13	1.00	12.96	6.92	0.109	4.93	19.00	1.25	2.15	0.55	0.00	n.m.	16	114	393	21	158	48	77	13	n.m.	26	671	24	240	15	309	21	61	18	6	7	5.41	99.69	100.00
WD-XRF, normalized	MD973	45_07	54.30	0.84	13.56	7.52	0.136	5.88	13.43	1.57	2.28	0.49	0.00	n.m.	24	126	612	28	279	50	82	14	n.m.	55	564	21	189	12	349	1	43	22	5	5	3.38	100.04	100.00
WD-XRF, normalized	MD974	45_08	50.45	0.80	13.10	7.41	0.138	6.35	17.73	1.57	2.19	0.27	0.00	n.m.	27	134	517	33	284	60	73	16	n.m.	53	632	19	170	11	721	10	28	22	12	8	8.26	99.57	100.00
WD-XRF, normalized	MD975	45_09	52.39	0.82	13.94	7.70	0.143	8.14	12.39	1.81	2.36	0.32	0.00	n.m.	24	135	394	29	250	68	82	17	n.m.	54	627	22	168	13	376	14	44	19	6	5	4.01	100.14	100.00
WD-XRF, normalized	MD811	46_01	52.04	0.85	15.43	7.78	0.109	4.51	15.94	0.96	2.18	0.20	0.00	n.m.	26	107	522	26	363	33	83	19	n.m.	76	305	23	182	14	251	15	18	23	12	13	2.83	99.83	100.00
WD-XRF, normalized	MD812	46_02	51.55	1.06	14.69	8.42	0.118	4.52	16.52	0.87	1.89	0.37	0.00	n.m.	24	146	543	34	315	47	80	17	n.m.	60	393	20	186	14	338	5	38	22	10	14	4.55	99.62	100.00
WD-XRF, normalized	MD813	46_03	54.98	0.99	13.97	7.58	0.120	4.40	14.45	1.22	1.89	0.39	0.00	n.m.	28	171	798	25	227	47	97	15	n.m.	54	348	22	210	14	305	27	27	-6	10	10	5.54	100.00	100.00
WD-XRF, normalized	MD814	46_04	52.06	1.24	14.33	9.00	0.131	4.45	15.81	0.89	1.85	0.25	0.00	n.m.	25	141	550	33	235	44	90	18	n.m.	47	388	19	188	14	282	10	33	35	9	12	7.18	99.84	100.00
WD-XRF, normalized	MD815	46_05	54.04	0.83	12.85	7.91	0.131	5.32	16.69	0.29	1.64	0.30	0.00	n.m.	18	108	608	42	459	42	94	15	n.m.	63	244	24	163	13	204	11	44	34	8	17	4.72	99.73	100.00
WD-XRF, normalized	MD816	46_06	52.07	0.84	14.74	7.70	0.117	4.77	16.49	1.06	2.05	0.17	0.00	n.m.	30	110	518	35	393	43	79	17	n.m.	71	307	21	175	13	245	7	56	45	12	13	4.95	100.01	100.00
WD-XRF, normalized	MD817	46_07	50.68	0.85	14.38	7.72	0.115	4.62	18.60	0.75	2.01	0.29	0.00	n.m.	20	116	511	30	395	41	89	18	n.m.	73	380	19	175	13	227	14	25	14	12	14	6.98	99.67	100.00
WD-XRF, normalized	MD976	46_08	52.12	0.84	14.15	8.06	0.176	6.59	13.47	1.80	2.50	0.29	0.00	n.m.	26	146	344	32	261	50	116	14	n.m.	57	646	21	182	10	345	2	44	11	8	9	4.69	99.71	100.00
WD-XRF, normalized	MD977	46_09	53.47	0.89	14.75	8.33	0.145	5.87	12.11	1.83	2.35	0.26	0.00	n.m.	26	141	429	32	257	50	74	17	n.m.	60	544	22	192	13	331	11	41	27	8	5	1.84	100.08	100.00
WD-XRF, normalized	MD978	46_10	52.21	0.84	14.23	7.67	0.140	6.29	14.48	1.68	2.07	0.38	0.00	n.m.	26	161	397	30	244	39	77	16	n.m.	54	603	23	179	10	336	21	52	17	5	5	2.30	99.95	100.00
WD-XRF, normalized	MD979	46_11	52.54	0.79	14.15	8.10	0.158	6.42	13.65	1.31	2.66	0.22	0.00	n.m.	24	138	331	30	268	49	99	15	n.m.	55	654	21	174	9	320	9	46	12	5	7	4.10	100.29	100.00
WD-XRF, normalized	MD980	46_12	52.01	0.78	14.00	7.96	0.154	6.23	14.76	1.38	2.50	0.22	0.00	n.m.	23	131	322	30	258	40	86	16	n.m.	49	760	21	172	9	343	23	34	29	1	4	4.22	99.94	100.00
WD-XRF, normalized	MD934	5_01	53.87	0.80	14.18	6.87	0.112	5.75	14.80	0.98	2.20	0.43	0.20	n.m.	22	111	279	27	165	37	88	18	n.m.	68	474	23	178	17	345	15	34	28	38	11	1.39	99.86	100.00
WD-XRF, normalized	MD935	5_02	53.55	0.82	14.10	7.20	0.130	5.49	14.89	1.10	2.17	0.56	0.00	n.m.	21	124	350	28	198	56	89	17	n.m.	66	603	23	184	15	354	34	49	15	13	10	3.59	100.30	100.00
WD-XRF, normalized	MD936	5_03	50.36	0.92	13.29	7.01	0.124	4.74	20.29	0.97	1.99	0.31	0.90	n.m.	23	132	500	25	160	38	93	15	n.m.	65	923	22	215	16	809	24	57	27	13	6	8.55	97.95	100.00
WD-XRF, normalized	MD949	50_01	51.15	0.86	14.72	8.39	0.156	6.37	14.60	1.76	1.76	0.24	0.00	n.m.	27	147	353	34	261	48	84	18	n.m.	32	489	22	188	12	371	22	45	34	1	9	0.96	100.45	100.00
WD-XRF, normalized	MD950	50_02	50.60	0.85	14.01	8.12	0.157	5.97	16.13	1.36	2.54	0.28	0.00	n.m.	26	127	357	34	278	57	88	16	n.m.	64	649	22	186	10	337	14	47	33	12	9	6.56	99.86	100.00
WD-XRF, normalized	MD951	50_03	53.54	0.81	14.05	7.85	0.137	6.48	12.87	1.42	2.57	0.27	0.00	n.m.	22	137	367	32	255	37	85	16	n.m.	47	443	22	178	13	337	25	49	29	9	8	1.22	100.46	100.00

WD-XRF, normalized	MD925	51_01	52.82	0.81	13.82	7.72	0.141	6.78	12.59	2.30	2.73	0.28	1.00	n.m.	19	140	331	30	241	43	89	16	n.m.	56	380	19	166	14	282	21	35	25	7	14	10.28	97.67	100.00
WD-XRF, normalized	MD926	51_02	54.80	0.81	14.37	7.96	0.147	6.03	11.89	1.73	2.02	0.25	0.00	n.m.	23	128	306	30	255	54	78	17	n.m.	58	451	20	172	10	416	17	38	32	6	10	1.49	100.15	100.00
WD-XRF, normalized	MD927	51_03	51.27	0.84	13.85	8.10	0.158	6.83	15.32	1.72	1.67	0.24	0.00	n.m.	24	144	424	35	286	40	83	17	n.m.	47	474	21	174	11	453	25	28	33	2	9	1.13	100.80	100.00
WD-XRF, normalized	MD928	61_01	53.63	1.00	14.55	7.55	0.178	5.03	14.26	0.89	2.48	0.43	0.00	n.m.	17	145	347	30	180	54	92	18	n.m.	79	627	28	255	17	497	29	67	10	10	9	3.37	100.50	100.00
WD-XRF, normalized	MD929	61_02	55.74	0.77	14.17	7.62	0.144	5.75	11.65	1.71	2.09	0.36	0.00	n.m.	22	128	332	31	260	51	76	17	n.m.	60	423	20	164	12	522	2	50	38	5	9	1.77	99.91	100.00
WD-XRF, normalized	MD930	61_03	51.50	0.83	14.07	8.08	0.153	6.01	15.46	1.45	2.18	0.27	0.00	n.m.	23	146	334	36	253	46	104	15	n.m.	59	599	20	176	12	422	14	42	11	14	12	8.78	99.85	100.00
WD-XRF, normalized	MD940	64_01	51.35	0.79	13.15	7.20	0.131	6.34	15.19	2.79	2.80	0.26	0.00	n.m.	23	132	439	30	249	35	76	14	n.m.	43	924	17	174	11	299	2	29	32	6	3	9.71	99.27	100.00
WD-XRF, normalized	MD941	64_02	54.54	0.84	14.87	8.29	0.153	6.40	10.63	1.82	2.26	0.19	0.00	n.m.	24	131	382	33	275	49	76	18	n.m.	63	407	19	172	12	337	18	37	25	7	17	2.01	100.93	100.00
WD-XRF, normalized	MD942	64_03	52.51	0.76	13.85	7.88	0.164	6.67	14.46	2.12	1.40	0.19	0.00	n.m.	24	140	372	37	298	41	72	14	n.m.	40	429	18	158	10	269	8	35	31	4	11	0.63	100.51	100.00
WD-XRF, normalized	MD931	87.1_01	49.48	0.81	14.16	8.43	0.161	7.30	16.36	1.50	1.60	0.21	0.50	n.m.	23	143	317	36	303	55	96	16	n.m.	62	446	22	169	10	296	4	35	40	5	13	0.78	98.92	100.00
WD-XRF, normalized	MD932	87.1_02	52.04	0.80	14.56	8.09	0.145	6.45	14.75	1.36	1.59	0.22	0.00	n.m.	24	134	358	33	263	54	95	15	n.m.	57	446	22	167	12	581	15	32	36	5	8	1.45	100.02	100.00
WD-XRF, normalized	MD933	87.1_03	53.41	0.79	14.30	8.12	0.153	6.74	12.93	1.63	1.68	0.24	0.00	n.m.	23	138	399	32	280	59	94	15	n.m.	52	430	19	162	11	618	19	46	5	10	12	3.15	100.36	100.00
WD-XRF, normalized	MD961	99_01	54.72	0.84	13.69	7.19	0.132	5.32	14.15	1.60	2.07	0.28	0.00	n.m.	17	125	425	27	189	48	79	15	n.m.	57	569	21	181	14	455	12	45	30	10	9	6.11	100.12	100.00
WD-XRF, normalized	MD962	99_02	46.98	0.87	13.06	6.98	0.123	4.71	23.91	1.03	2.09	0.26	0.00	n.m.	25	135	334	22	148	50	87	13	n.m.	67	947	22	211	14	436	26	55	25	12	6	12.49	99.55	100.00
WD-XRF, normalized	MD963	99_03	51.26	0.87	14.02	8.00	0.152	6.28	15.32	1.20	2.48	0.40	0.00	n.m.	26	123	386	37	242	67	103	13	n.m.	64	581	22	191	12	807	14	46	28	14	7	6.96	99.90	100.00

	Sample-no. WD-XRF	no. of fragment	SiO2	TiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	P2O5	(S)	Cl	(Sc)	V	Cr	(Co)	Ni	(Cu)	Zn	(Ga)	As	Rb	Sr	Y	Zr	Nb	Ba	(La)	(Ce)	(Nd)	(Pb)	(Th)			sum of oxides (in %)
WD-XRF, not normalized	MD981	1_01	48.33	0.78	12.81	8.05	0.154	8.24	18.20	1.47	1.52	0.19	0.00	n.m.	27	145	388	41	356	58	91	14	n.m.	53	475	20	155	10	281	13	35	39	8	7			99.73
p-ED-XRF, Tracer	MD981	1_01	n.m.	0.75	n.m.	7.44	0.143	n.m.	13.53	n.m.	2.20	n.m.	n.m.	n.m.	n.m.	n.m.	377	n.m.	287	61	89	n.m.	n.m.	52	420	23	142	13	487	n.m.	n.m.	n.m.	10	n.m.			
p-ED-XRF, Niton	MD981	1_01	45.81	0.71	13.45	7.87	0.156	6.26	16.45	n.m.	1.53	0.35	0.10	113	n.m.	147	337	<LOD	323	33	93	n.m.	<LOD	53	433	20	113	<LOD	447	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD982	1_02	46.23	0.90	11.81	6.12	0.093	3.44	20.47	0.41	2.03	0.62	1.90	n.m.	18	129	347	26	135	36	96	16	n.m.	60	954	22	222	13	312	39	59	16	17	6			92.11
p-ED-XRF, Tracer	MD982	1_02	n.m.	0.85	n.m.	5.45	0.079	n.m.	14.04	n.m.	3.24	n.m.	n.m.	n.m.	n.m.	n.m.	307	n.m.	109	41	75	n.m.	n.m.	58	867	28	227	15	430	n.m.	n.m.	n.m.	21	n.m.			
p-ED-XRF, Niton	MD982	1_02	46.46	0.79	13.43	5.71	0.079	5.18	18.98	n.m.	2.24	0.61	0.35	153	n.m.	133	253	<LOD	150	<LOD	83	n.m.	20	60	987	23	150	<LOD	390	n.m.	90	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD983	1_03	49.62	0.74	12.94	7.51	0.136	7.19	15.58	2.10	1.53	0.23	0.00	n.m.	27	139	348	30	292	29	63	15	n.m.	24	491	20	160	10	271	2	57	29	2	7			97.57
p-ED-XRF, Tracer	MD983	1_03	n.m.	0.71	n.m.	6.91	0.129	n.m.	11.52	n.m.	2.14	n.m.	n.m.	n.m.	n.m.	n.m.	309	n.m.	230	33	59	n.m.	n.m.	33	440	22	148	13	491	n.m.	n.m.	n.m.	7	n.m.			
p-ED-XRF, Niton	MD983	1_03	43.45	0.65	11.73	7.03	0.123	5.54	14.31	n.m.	1.59	0.34	0.20	2023	n.m.	120	280	<LOD	200	13	67	n.m.	<LOD	30	450	13	113	<LOD	370	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD943	106_01	48.40	0.74	12.64	6.56	0.127	5.34	15.03	1.36	2.45	0.23	0.30	n.m.	23	109	401	25	211	51	71	16	n.m.	55	1510	20	198	13	818	13	58	14	5	2			92.87
p-ED-XRF, Tracer	MD943	106_01	n.m.	0.76	n.m.	5.86	0.117	n.m.	10.49	n.m.	3.33	n.m.	n.m.	n.m.	n.m.	n.m.	314	n.m.	167	42	60	n.m.	n.m.	62	1314	22	255	11	460	n.m.	n.m.	n.m.	18	n.m.			
p-ED-XRF, Niton	MD943	106_01	46.23	0.70	12.50	6.07	0.114	5.68	14.95	n.m.	2.66	0.39	0.14	350	n.m.	153	263	<LOD	153	<LOD	67	n.m.	<LOD	57	1303	20	107	<LOD	763	n.m.	93	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD944	106_02	49.64	0.85	13.24	6.93	0.122	5.79	13.66	1.46	2.50	0.28	0.00	n.m.	21	125	387	26	193	33	83	16	n.m.	52	550	24	192	14	316	13	63	19	12	8			94.46
p-ED-XRF, Tracer	MD944	106_02	n.m.	0.79	n.m.	6.18	0.107	n.m.	11.44	n.m.	3.34	n.m.	n.m.	n.m.	n.m.	n.m.	282	n.m.	150	34	65	n.m.	n.m.	50	647	24	191	15	459	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD944	106_02	48.05	0.76	14.29	6.57	0.118	6.68	15.93	n.m.	2.47	0.45	0.07	103	n.m.	127	240	<LOD	150	10	80	n.m.	<LOD	50	733	23	130	<LOD	497	n.m.	300	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD945	106_03	50.60	0.83	13.86	7.82	0.143	6.45	16.21	1.40	1.79	0.28	0.00	n.m.	24	128	370	35	252	42	80	15	n.m.	43	576	21	184	11	333	24	53	25	3	9			99.39
p-ED-XRF, Tracer	MD945	106_03	n.m.	0.79	n.m.	7.39	0.133	n.m.	12.81	n.m.	2.48	n.m.	n.m.	n.m.	n.m.	n.m.	333	n.m.	217	39	74	n.m.	n.m.	49	533	26	182	15	473	n.m.	n.m.	n.m.	9	n.m.			
p-ED-XRF, Niton	MD945	106_03	50.33	0.77	15.98	7.78	0.142	7.31	15.88	n.m.	1.81	0.43	0.10	143	n.m.	147	313	<LOD	203	<LOD	80	n.m.	<LOD	47	547	30	140	<LOD	447	n.m.	107	n.m.	<LOD	n.m.			

WD-XRF, not normalized	MD952	118_01	53.90	0.81	14.32	7.86	0.143	6.01	12.36	1.69	1.92	0.21	0.00	n.m.	24	129	389	31	256	51	87	17	n.m.	59	423	19	170	9	364	20	44	26	9	9			99.23
p-ED-XRF, Tracer	MD952	118_01	n.m.	0.79	n.m.	7.63	0.146	n.m.	9.91	n.m.	2.36	n.m.	n.m.	n.m.	n.m.	n.m.	368	n.m.	224	44	78	n.m.	n.m.	57	418	25	158	13	483	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD952	118_01	52.01	0.78	15.17	7.80	0.143	5.56	12.48	n.m.	1.89	0.35	0.11	83	n.m.	147	320	<LOD	210	<LOD	90	n.m.	<LOD	53	407	27	127	<LOD	517	n.m.	110	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD953	118_02	53.46	0.79	13.63	7.33	0.132	5.34	11.22	1.75	1.87	0.23	0.00	n.m.	27	143	463	26	234	51	90	17	n.m.	58	466	19	175	9	345	17	25	17	11	9			95.75
p-ED-XRF, Tracer	MD953	118_02	n.m.	0.76	n.m.	7.02	0.129	n.m.	9.16	n.m.	2.32	n.m.	n.m.	n.m.	n.m.	n.m.	344	n.m.	189	42	75	n.m.	n.m.	57	411	23	148	11	477	n.m.	n.m.	n.m.	16	n.m.			
WD-XRF, not normalized	MD954	118_03	51.68	0.75	13.31	7.16	0.135	6.06	11.81	2.38	2.10	0.22	0.00	n.m.	23	128	364	29	249	43	77	13	n.m.	48	434	16	163	10	299	10	40	31	3	9			95.61
p-ED-XRF, Tracer	MD954	118_03	n.m.	0.72	n.m.	6.75	0.128	n.m.	9.37	n.m.	3.06	n.m.	n.m.	n.m.	n.m.	n.m.	300	n.m.	202	38	71	n.m.	n.m.	54	396	22	145	12	470	n.m.	n.m.	n.m.	12	n.m.			
WD-XRF, not normalized	MD955	16.4_01	49.79	0.78	13.19	7.02	0.125	4.93	13.85	1.42	2.09	0.26	0.00	n.m.	26	131	291	28	208	48	94	19	n.m.	62	487	21	177	10	329	10	49	20	12	11			93.46
p-ED-XRF, Tracer	MD955	16.4_01	n.m.	0.72	n.m.	6.65	0.125	n.m.	10.65	n.m.	2.96	n.m.	n.m.	n.m.	n.m.	n.m.	289	n.m.	176	40	86	n.m.	n.m.	61	418	23	154	13	488	n.m.	n.m.	n.m.	14	n.m.			
WD-XRF, not normalized	MD956	16.5_01	53.01	0.82	14.07	6.98	0.110	4.97	15.17	1.06	2.05	0.42	0.00	n.m.	27	124	287	24	170	40	89	16	n.m.	65	472	21	192	14	338	28	50	20	7	9			98.66
p-ED-XRF, Tracer	MD956	16.5_01	n.m.	0.83	n.m.	6.51	0.101	n.m.	11.36	n.m.	2.53	n.m.	n.m.	n.m.	n.m.	n.m.	273	n.m.	145	39	80	n.m.	n.m.	59	429	27	180	16	448	n.m.	n.m.	n.m.	15	n.m.			
p-ED-XRF, Niton	MD956	16.5_01	51.62	0.79	15.17	6.91	0.105	5.58	15.32	n.m.	1.96	0.46	0.07	130	n.m.	130	243	<LOD	133	<LOD	93	n.m.	<LOD	63	450	27	153	<LOD	417	n.m.	173	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD957	16.7_01	43.94	0.83	11.23	5.85	0.108	4.06	19.84	0.56	2.56	0.43	0.00	n.m.	21	110	418	28	158	46	104	14	n.m.	65	746	23	237	14	360	17	56	45	12	9			89.39
p-ED-XRF, Tracer	MD957	16.7_01	n.m.	0.79	n.m.	5.35	0.101	n.m.	15.81	n.m.	4.09	n.m.	n.m.	n.m.	n.m.	n.m.	328	n.m.	124	27	78	n.m.	n.m.	58	558	25	194	15	440	n.m.	n.m.	n.m.	17	n.m.			
WD-XRF, not normalized	MD958	16.8_01	53.15	0.81	13.36	6.81	0.120	5.82	14.54	1.50	1.99	0.25	0.00	n.m.	22	119	411	25	194	47	68	16	n.m.	44	497	21	190	13	450	19	58	9	4	8			98.35
p-ED-XRF, Tracer	MD958	16.8_01	n.m.	0.79	n.m.	6.35	0.114	n.m.	10.85	n.m.	2.42	n.m.	n.m.	n.m.	n.m.	n.m.	291	n.m.	152	34	62	n.m.	n.m.	40	433	24	170	14	461	n.m.	n.m.	n.m.	10	n.m.			
p-ED-XRF, Niton	MD958	16.8_01	50.18	0.73	14.19	6.72	0.111	5.22	14.52	n.m.	1.85	0.38	0.07	203	n.m.	133	280	<LOD	140	13	70	n.m.	<LOD	40	450	20	140	<LOD	503	n.m.	123	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD959	16.8_02	50.60	0.79	12.99	7.22	0.125	5.73	13.31	1.58	2.40	0.36	0.00	n.m.	25	124	548	28	278	60	92	15	n.m.	57	662	17	188	12	338	15	36	36	9	11			95.10
p-ED-XRF, Tracer	MD959	16.8_02	n.m.	0.79	n.m.	7.21	0.133	n.m.	9.99	n.m.	3.22	n.m.	n.m.	n.m.	n.m.	n.m.	428	n.m.	237	44	82	n.m.	n.m.	57	534	22	175	12	474	n.m.	n.m.	n.m.	17	n.m.			
p-ED-XRF, Niton	MD959	16.8_02	48.45	0.72	13.27	7.28	0.131	5.18	12.66	n.m.	2.49	0.41	0.06	93	n.m.	127	337	<LOD	230	17	90	n.m.	<LOD	57	520	20	123	<LOD	350	n.m.	93	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD960	16.8_03	52.95	0.86	14.17	7.29	0.124	5.88	13.23	1.27	2.38	0.40	0.00	n.m.	24	120	376	25	199	42	70	17	n.m.	61	482	24	195	13	474	25	53	31	6	10			98.56
p-ED-XRF, Tracer	MD960	16.8_03	n.m.	0.84	n.m.	6.81	0.120	n.m.	10.24	n.m.	3.03	n.m.	n.m.	n.m.	n.m.	n.m.	360	n.m.	169	32	64	n.m.	n.m.	63	428	25	181	16	444	n.m.	n.m.	n.m.	8	n.m.			
p-ED-XRF, Niton	MD960	16.8_03	48.58	0.80	13.76	7.15	0.119	5.14	13.19	n.m.	2.41	0.43	0.07	117	n.m.	150	287	<LOD	160	<LOD	67	n.m.	<LOD	67	433	20	157	<LOD	627	n.m.	90	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD946	20_01	49.74	0.82	13.29	7.54	0.154	5.97	15.64	1.69	1.82	0.23	0.40	n.m.	25	132	414	29	248	48	71	14	n.m.	41	557	21	174	11	508	2	48	15	5	8			96.89
p-ED-XRF, Tracer	MD946	20_01	n.m.	0.81	n.m.	7.24	0.149	n.m.	12.42	n.m.	1.99	n.m.	n.m.	n.m.	n.m.	n.m.	364	n.m.	210	40	68	n.m.	n.m.	38	420	24	156	13	464	n.m.	n.m.	n.m.	8	n.m.			
p-ED-XRF, Niton	MD946	20_01	45.66	0.73	13.16	7.66	0.148	5.05	15.35	n.m.	1.42	0.36	0.10	147	n.m.	140	290	<LOD	197	13	73	n.m.	7	37	430	27	130	<LOD	540	n.m.	110	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD947	20_02	44.40	0.68	11.46	6.43	0.112	4.90	14.45	1.53	2.20	0.21	0.00	n.m.	20	134	341	30	236	43	88	16	n.m.	40	525	17	166	12	268	22	30	14	1	10			86.37
p-ED-XRF, Tracer	MD947	20_02	n.m.	0.64	n.m.	5.93	0.103	n.m.	10.05	n.m.	3.38	n.m.	n.m.	n.m.	n.m.	n.m.	292	n.m.	175	37	69	n.m.	n.m.	43	426	19	138	11	482	n.m.	n.m.	n.m.	14	n.m.			
p-ED-XRF, Niton	MD947	20_02	44.48	0.61	12.07	6.12	0.104	6.03	13.81	n.m.	2.64	0.41	0.10	1097	n.m.	113	257	<LOD	173	10	73	n.m.	<LOD	50	417	7	107	<LOD	373	n.m.	103	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD948	20_03	50.45	0.82	13.93	7.89	0.141	7.13	12.07	1.65	2.42	0.22	0.00	n.m.	18	103	342	32	270	65	62	16	n.m.	53	390	25	162	13	418	31	57	28	4	15			96.74
p-ED-XRF, Tracer	MD948	20_03	n.m.	0.74	n.m.	6.97	0.120	n.m.	8.32	n.m.	3.67	n.m.	n.m.	n.m.	n.m.	n.m.	283	n.m.	201	50	79	n.m.	n.m.	65	335	22	144	14	482	n.m.	n.m.	n.m.	19	n.m.			
p-ED-XRF, Niton	MD948	20_03	46.02	0.74	13.01	7.41	0.125	5.26	11.33	n.m.	3.65	0.33	0.16	2413	n.m.	123	283	<LOD	187	13	83	n.m.	<LOD	70	360	20	130	<LOD	343	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD964	24_01	47.74	0.77	12.24	6.76	0.123	5.25	13.83	1.61	2.35	0.26	0.00	n.m.	26	130	522	29	241	59	98	14	n.m.	56	847	20	191	9	313	10	43	22	10	3			90.94
p-ED-XRF, Tracer	MD964	24_01	n.m.	0.73	n.m.	6.38	0.119	n.m.	11.32	n.m.	3.25	n.m.	n.m.	n.m.	n.m.	n.m.	397	n.m.	193	39	75	n.m.	n.m.	53	820	21	194	11	476	n.m.	n.m.	n.m.	15	n.m.			
WD-XRF, not normalized	MD965	24_02	52.83	0.80	13.60	7.35	0.131	5.31	12.37	1.41	1.78	0.24	0.00	n.m.	23	138	448	30	236	55	83	17	n.m.	57	581	24	171	12	383	19	44	43	11	7			95.82
p-ED-XRF, Tracer	MD965	24_02	n.m.	0.77	n.m.	7.12	0.136	n.m.	9.58	n.m.	2.26	n.m.	n.m.	n.m.	n.m.	n.m.	395	n.m.	201	40	72	n.m.	n.m.	58	513	23	168	13	482	n.m.	n.m.	n.m.	13	n.m.			
WD-XRF, not normalized	MD966	24_03	50.00	0.85	14.55	8.47	0.150	6.04	13.98	1.07	2.07	0.44	0.00	n.m.	26	127	324	34	276	67	85	17	n.m.	65	524	24	186	12	450	23	27	19	9	8			97.62
p-ED-XRF, Tracer	MD966	24_03	n.m.	0.83	n.m.	8.13	0.145	n.m.	11.66	n.m.	2.64	n.m.	n.m.	n.m.	n.m.	n.m.	308	n.m.	230	48	70	n.m.	n.m.	64	491	28	179	15	479	n.m.	n.m.	n.m.	11	n.m.			
WD-XRF, not normalized	MD937	40.1_01	50.96	0.82	13.35	7.48	0.134	6.20	11.98	1.97	1.90	0.45	0.00	n.m.	20	140	482	29	255	70	83	17	n.m.	53	480	19	173	12	301	7	32	41	3	8			95.24

p-ED-XRF, Tracer	MD937	40.1_01	n.m.	0.84	n.m.	7.19	0.137	n.m.	9.91	n.m.	2.37	n.m.	n.m.	n.m.	n.m.	n.m.	402	n.m.	211	42	79	n.m.	n.m.	54	426	23	155	13	469	n.m.	n.m.	n.m.	15	n.m.			
WD-XRF, not normalized	MD938	40.3_01	41.27	0.63	10.41	4.88	0.078	3.43	23.12	0.77	1.67	0.34	0.30	n.m.	28	159	317	20	99	41	62	13	n.m.	34	1017	16	160	6	1027	6	29	9	17	4			86.60
p-ED-XRF, Tracer	MD938	40.3_01	n.m.	0.61	n.m.	4.45	0.068	n.m.	18.71	n.m.	3.37	n.m.	n.m.	n.m.	n.m.	n.m.	278	n.m.	76	29	47	n.m.	n.m.	34	870	17	168	8	466	n.m.	n.m.	n.m.	20	n.m.			
p-ED-XRF, Niton	MD938	40.3_01	39.34	0.56	11.42	4.44	0.065	6.71	23.65	n.m.	1.92	0.55	0.11	117	n.m.	157	200	<LOD	27	<LOD	47	n.m.	<LOD	30	777	<LOD	77	<LOD	870	n.m.	87	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD939	40.3_02	51.07	0.83	14.12	7.09	0.118	5.12	16.04	1.42	1.84	0.39	0.00	n.m.	24	151	283	26	173	29	77	17	n.m.	36	621	22	200	16	381	17	42	17	1	10			98.04
p-ED-XRF, Tracer	MD939	40.3_02	n.m.	0.82	n.m.	6.75	0.109	n.m.	12.25	n.m.	2.66	n.m.	n.m.	n.m.	n.m.	n.m.	253	n.m.	146	27	68	n.m.	n.m.	41	551	26	201	18	451	n.m.	n.m.	n.m.	10	n.m.			
WD-XRF, not normalized	MD967	45_01	49.52	0.86	12.85	7.40	0.139	7.19	17.48	2.04	1.59	0.23	0.00	n.m.	24	147	496	30	246	50	94	15	n.m.	51	579	24	188	11	304	14	27	20	2	4			99.30
p-ED-XRF, Tracer	MD967	45_01	n.m.	0.84	n.m.	6.94	0.147	n.m.	12.66	n.m.	2.60	n.m.	n.m.	n.m.	n.m.	n.m.	471	n.m.	213	51	81	n.m.	n.m.	56	619	24	193	13	462	n.m.	n.m.	n.m.	6	n.m.			
WD-XRF, not normalized	MD968	45_02	52.70	0.81	13.21	7.26	0.130	6.59	14.58	1.72	1.80	0.21	0.00	n.m.	20	145	460	26	217	49	82	14	n.m.	55	495	21	173	11	372	6	47	40	3	6			99.01
p-ED-XRF, Tracer	MD968	45_02	n.m.	0.78	n.m.	6.74	0.124	n.m.	11.23	n.m.	2.48	n.m.	n.m.	n.m.	n.m.	n.m.	601	n.m.	177	46	73	n.m.	n.m.	56	436	22	159	13	462	n.m.	n.m.	n.m.	5	n.m.			
p-ED-XRF, Niton	MD968	45_02	50.90	0.76	13.76	7.09	0.113	5.09	14.18	n.m.	1.89	0.35	0.07	133	n.m.	133	493	<LOD	197	27	80	n.m.	<LOD	57	430	20	127	<LOD	527	n.m.	210	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD969	45_03	47.19	0.71	12.16	6.64	0.114	6.61	13.97	1.43	2.23	0.30	0.00	n.m.	20	139	383	27	227	56	91	15	n.m.	60	654	18	166	10	401	7	46	21	12	10			91.34
p-ED-XRF, Tracer	MD969	45_03	n.m.	0.67	n.m.	5.97	0.100	n.m.	10.06	n.m.	2.78	n.m.	n.m.	n.m.	n.m.	n.m.	296	n.m.	175	37	74	n.m.	n.m.	52	540	22	141	10	479	n.m.	n.m.	n.m.	15	n.m.			
p-ED-XRF, Niton	MD969	45_03	45.87	0.66	11.89	6.54	0.105	4.71	14.03	n.m.	2.33	0.38	0.11	97	n.m.	127	250	<LOD	163	<LOD	110	n.m.	<LOD	53	570	13	103	<LOD	443	n.m.	80	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD970	45_04	50.72	1.34	14.02	8.36	0.151	4.49	13.25	1.02	2.26	0.35	0.00	n.m.	24	157	319	33	178	44	84	17	n.m.	64	458	26	242	18	348	24	58	53	2	11			95.97
p-ED-XRF, Tracer	MD970	45_04	n.m.	1.24	n.m.	7.72	0.146	n.m.	10.44	n.m.	3.12	n.m.	n.m.	n.m.	n.m.	n.m.	305	n.m.	153	35	80	n.m.	n.m.	63	425	28	216	20	388	n.m.	n.m.	n.m.	13	n.m.			
WD-XRF, not normalized	MD971	45_05	46.54	0.79	13.20	7.74	0.154	6.21	16.08	1.20	2.06	0.38	0.00	n.m.	24	135	307	36	285	73	92	17	n.m.	57	585	22	171	12	382	13	48	51	11	8			94.35
p-ED-XRF, Tracer	MD971	45_05	n.m.	0.79	n.m.	7.38	0.150	n.m.	11.98	n.m.	2.77	n.m.	n.m.	n.m.	n.m.	n.m.	313	n.m.	235	51	86	n.m.	n.m.	56	514	26	163	13	482	n.m.	n.m.	n.m.	15	n.m.			
p-ED-XRF, Niton	MD971	45_05	46.33	0.75	14.20	7.70	0.155	6.75	15.15	n.m.	2.21	0.44	0.08	150	n.m.	133	260	<LOD	240	47	93	n.m.	<LOD	53	523	23	117	<LOD	497	n.m.	270	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD972	45_06	48.37	0.95	12.25	6.54	0.103	4.67	17.98	1.18	2.04	0.52	0.00	n.m.	16	114	393	21	158	48	77	13	n.m.	26	671	24	240	15	309	21	61	18	6	7			94.59
p-ED-XRF, Tracer	MD972	45_06	n.m.	0.84	n.m.	5.90	0.097	n.m.	15.00	n.m.	3.07	n.m.	n.m.	n.m.	n.m.	n.m.	309	n.m.	133	37	72	n.m.	n.m.	34	602	28	220	16	446	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD972	45_06	45.43	0.77	13.85	6.15	0.096	7.52	19.11	n.m.	2.00	0.56	0.09	60	n.m.	123	267	<LOD	140	13	80	n.m.	<LOD	30	607	30	170	<LOD	413	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD973	45_07	52.47	0.81	13.10	7.26	0.131	5.68	12.97	1.52	2.21	0.47	0.00	n.m.	24	126	612	28	279	50	82	14	n.m.	55	564	21	189	12	349	1	43	22	5	5			96.62
p-ED-XRF, Tracer	MD973	45_07	n.m.	0.76	n.m.	6.66	0.127	n.m.	9.80	n.m.	2.48	n.m.	n.m.	n.m.	n.m.	n.m.	491	n.m.	216	41	64	n.m.	n.m.	56	471	23	179	14	468	n.m.	n.m.	n.m.	11	n.m.			
WD-XRF, not normalized	MD974	45_08	46.29	0.73	12.02	6.80	0.126	5.82	16.27	1.44	2.00	0.25	0.00	n.m.	27	134	517	33	284	60	73	16	n.m.	53	632	19	170	11	721	10	28	22	12	8			91.74
p-ED-XRF, Tracer	MD974	45_08	n.m.	0.72	n.m.	6.52	0.122	n.m.	12.99	n.m.	3.11	n.m.	n.m.	n.m.	n.m.	n.m.	429	n.m.	234	41	66	n.m.	n.m.	54	530	21	161	11	471	n.m.	n.m.	n.m.	16	n.m.			
p-ED-XRF, Niton	MD974	45_08	45.17	0.65	13.35	6.62	0.107	7.22	17.09	n.m.	2.09	0.45	0.09	103	n.m.	143	303	<LOD	227	<LOD	77	n.m.	<LOD	50	553	13	113	<LOD	597	n.m.	167	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD975	45_09	50.29	0.78	13.38	7.39	0.137	7.81	11.89	1.73	2.27	0.30	0.00	n.m.	24	135	394	29	250	68	82	17	n.m.	54	627	22	168	13	376	14	44	19	6	5			95.99
p-ED-XRF, Tracer	MD975	45_09	n.m.	0.77	n.m.	6.98	0.134	n.m.	9.93	n.m.	3.13	n.m.	n.m.	n.m.	n.m.	n.m.	346	n.m.	212	43	74	n.m.	n.m.	58	602	22	169	13	474	n.m.	n.m.	n.m.	14	n.m.			
WD-XRF, not normalized	MD811	46_01	50.57	0.82	14.99	7.56	0.106	4.38	15.49	0.93	2.12	0.20	0.00	n.m.	26	107	522	26	363	33	83	19	n.m.	76	305	23	182	14	251	15	18	23	12	13			97.17
p-ED-XRF, Tracer	MD811	46_01	n.m.	0.79	n.m.	7.06	0.136	n.m.	10.50	n.m.	2.40	n.m.	n.m.	n.m.	n.m.	n.m.	364	n.m.	215	36	74	n.m.	n.m.	53	514	24	162	14	464	n.m.	n.m.	n.m.	9	n.m.			
WD-XRF, not normalized	MD812	46_02	49.20	1.01	14.02	8.04	0.112	4.32	15.77	0.83	1.80	0.35	0.00	n.m.	24	146	543	34	315	47	80	17	n.m.	60	393	20	186	14	338	5	38	22	10	14			95.45
p-ED-XRF, Tracer	MD812	46_02	n.m.	0.73	n.m.	6.38	0.124	n.m.	12.08	n.m.	2.36	n.m.	n.m.	n.m.	n.m.	n.m.	269	n.m.	194	45	71	n.m.	n.m.	47	479	21	143	11	464	n.m.	n.m.	n.m.	11	n.m.			
p-ED-XRF, Niton	MD812	46_02	48.72	0.71	13.35	7.31	0.139	4.99	12.37	n.m.	1.90	0.31	0.09	193	n.m.	132	288	<LOD	182	20	77	n.m.	<LOD	53	408	13	120	<LOD	442	n.m.	42	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD813	46_03	51.94	0.94	13.20	7.16	0.114	4.15	13.65	1.16	1.79	0.37	0.00	n.m.	28	171	798	25	227	47	97	15	n.m.	54	348	22	210	14	305	27	27	-6	10	10			94.46
p-ED-XRF, Tracer	MD813	46_03	n.m.	0.69	n.m.	6.73	0.128	n.m.	11.94	n.m.	2.99	n.m.	n.m.	n.m.	n.m.	n.m.	426	n.m.	207	38	73	n.m.	n.m.	55	650	21	166	9	489	n.m.	n.m.	n.m.	13	n.m.			
WD-XRF, not normalized	MD814	46_04	48.33	1.15	13.30	8.35	0.121	4.13	14.67	0.82	1.72	0.23	0.00	n.m.	25	141	550	33	235	44	90	18	n.m.	47	388	19	188	14	282	10	33	35	9	12			92.82
p-ED-XRF, Tracer	MD814	46_04	n.m.	0.80	n.m.	7.03	0.134	n.m.	11.80	n.m.	2.83	n.m.	n.m.	n.m.	n.m.	n.m.	337	n.m.	203	35	71	n.m.	n.m.	50	590	24	177	13	466	n.m.	n.m.	n.m.	11	n.m.			
WD-XRF, not normalized	MD815	46_05	51.49	0.79	12.24	7.54	0.125	5.07	15.90	0.28	1.56	0.29	0.00	n.m.	18	108	608	42	459	42	94	15	n.m.	63	244	24	163	13	204	11	44	34	8	17			95.28

p-ED-XRF, Tracer	MD815	46_05	n.m.	0.77	n.m.	6.74	0.167	n.m.	11.65	n.m.	3.00	n.m.	n.m.	n.m.	n.m.	n.m.	332	n.m.	215	43	67	n.m.	n.m.	50	560	23	163	12	464	n.m.	n.m.	n.m.	10	n.m.			
p-ED-XRF, Niton	MD815	46_05	46.90	0.75	13.82	7.17	0.170	6.60	15.31	n.m.	2.32	0.55	0.09	263	n.m.	187	293	<LOD	207	<LOD	67	n.m.	<LOD	50	580	20	110	<LOD	983	n.m.	80	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD976	46_08	49.68	0.80	13.48	7.68	0.168	6.28	12.84	1.72	2.38	0.28	0.00	n.m.	26	146	344	32	261	50	116	14	n.m.	57	646	21	182	10	345	2	44	11	8	9			95.31
p-ED-XRF, Tracer	MD976	46_08	n.m.	0.76	n.m.	6.98	0.148	n.m.	9.30	n.m.	2.93	n.m.	n.m.	n.m.	n.m.	n.m.	290	n.m.	202	42	105	n.m.	n.m.	56	543	24	168	13	472	n.m.	n.m.	n.m.	17	n.m.			
p-ED-XRF, Niton	MD976	46_08	48.10	0.72	13.48	7.33	0.153	5.26	12.79	n.m.	2.48	0.36	0.16	257	n.m.	143	253	<LOD	183	13	103	n.m.	<LOD	50	567	27	117	<LOD	393	n.m.	87	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD977	46_09	52.49	0.87	14.48	8.17	0.142	5.76	11.89	1.79	2.31	0.25	0.00	n.m.	26	141	429	32	257	50	74	17	n.m.	60	544	22	192	13	331	11	41	27	8	5			98.16
p-ED-XRF, Tracer	MD977	46_09	n.m.	0.78	n.m.	7.00	0.128	n.m.	8.11	n.m.	2.30	n.m.	n.m.	n.m.	n.m.	n.m.	331	n.m.	191	54	71	n.m.	n.m.	55	448	22	161	13	471	n.m.	n.m.	n.m.	16	n.m.			
p-ED-XRF, Niton	MD977	46_09	49.82	0.79	14.04	7.94	0.146	0.95	11.74	n.m.	2.30	0.33	0.11	480	n.m.	133	323	<LOD	180	<LOD	83	n.m.	<LOD	60	500	17	140	<LOD	390	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD978	46_10	51.01	0.82	13.91	7.50	0.137	6.15	14.15	1.64	2.02	0.37	0.00	n.m.	26	161	397	30	244	39	77	16	n.m.	54	603	23	179	10	336	21	52	17	5	5			97.70
p-ED-XRF, Tracer	MD978	46_10	n.m.	0.80	n.m.	6.81	0.121	n.m.	9.90	n.m.	2.23	n.m.	n.m.	n.m.	n.m.	n.m.	322	n.m.	196	44	73	n.m.	n.m.	54	494	24	163	14	465	n.m.	n.m.	n.m.	11	n.m.			
p-ED-XRF, Niton	MD978	46_10	50.06	0.78	14.35	7.63	0.130	4.02	13.79	n.m.	2.03	0.42	0.10	233	n.m.	153	300	<LOD	207	<LOD	77	n.m.	<LOD	57	540	20	140	<LOD	440	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD979	46_11	50.39	0.76	13.57	7.77	0.151	6.16	13.09	1.25	2.56	0.21	0.00	n.m.	24	138	331	30	268	49	99	15	n.m.	55	654	21	174	9	320	9	46	12	5	7			95.90
p-ED-XRF, Tracer	MD979	46_11	n.m.	0.68	n.m.	6.54	0.135	n.m.	12.46	n.m.	3.02	n.m.	n.m.	n.m.	n.m.	n.m.	276	n.m.	194	41	82	n.m.	n.m.	50	663	22	166	11	490	n.m.	n.m.	n.m.	9	n.m.			
p-ED-XRF, Niton	MD979	46_11	43.85	0.66	13.20	6.67	0.129	6.90	17.30	n.m.	2.31	0.43	0.12	100	n.m.	123	230	<LOD	193	13	83	n.m.	<LOD	53	693	7	103	<LOD	393	n.m.	80	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD980	46_12	49.81	0.75	13.40	7.63	0.148	5.97	14.14	1.32	2.40	0.21	0.00	n.m.	23	131	322	30	258	40	86	16	n.m.	49	760	21	172	9	343	23	34	29	1	4			95.78
p-ED-XRF, Tracer	MD980	46_12	n.m.	0.70	n.m.	6.90	0.134	n.m.	10.99	n.m.	3.05	n.m.	n.m.	n.m.	n.m.	n.m.	278	n.m.	209	39	74	n.m.	n.m.	51	621	22	166	12	492	n.m.	n.m.	n.m.	8	n.m.			
p-ED-XRF, Niton	MD980	46_12	48.80	0.67	14.19	7.31	0.141	5.68	14.33	n.m.	2.37	0.38	0.08	73	n.m.	127	300	<LOD	207	<LOD	87	n.m.	<LOD	50	637	20	110	<LOD	427	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD934	5_01	53.12	0.79	13.98	6.78	0.111	5.67	14.60	0.97	2.17	0.43	0.20	n.m.	22	111	279	27	165	37	88	18	n.m.	68	474	23	178	17	345	15	34	28	38	11			98.61
p-ED-XRF, Tracer	MD934	5_01	n.m.	0.78	n.m.	6.48	0.111	n.m.	11.00	n.m.	2.68	n.m.	n.m.	n.m.	n.m.	n.m.	277	n.m.	141	34	78	n.m.	n.m.	69	434	26	169	17	458	n.m.	n.m.	n.m.	9	n.m.			
p-ED-XRF, Niton	MD934	5_01	49.85	0.79	14.77	6.86	0.114	5.39	15.05	n.m.	2.12	0.52	0.12	123	n.m.	137	210	<LOD	130	<LOD	103	n.m.	<LOD	70	450	30	140	<LOD	447	n.m.	83	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD935	5_02	51.63	0.79	13.60	6.94	0.125	5.29	14.35	1.06	2.09	0.54	0.00	n.m.	21	124	350	28	198	56	89	17	n.m.	66	603	23	184	15	354	34	49	15	13	10			96.41
p-ED-XRF, Tracer	MD935	5_02	n.m.	0.75	n.m.	6.36	0.118	n.m.	11.13	n.m.	2.53	n.m.	n.m.	n.m.	n.m.	n.m.	322	n.m.	158	37	80	n.m.	n.m.	65	527	23	173	15	465	n.m.	n.m.	n.m.	16	n.m.			
p-ED-XRF, Niton	MD935	5_02	47.67	0.74	13.63	6.65	0.119	5.23	15.41	n.m.	2.00	0.53	0.10	97	n.m.	120	253	<LOD	147	<LOD	87	n.m.	<LOD	63	553	27	137	<LOD	470	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD936	5_03	46.06	0.84	12.15	6.41	0.113	4.33	18.56	0.89	1.82	0.28	0.90	n.m.	23	132	500	25	160	38	93	15	n.m.	65	923	22	215	16	809	24	57	27	13	6			91.45
p-ED-XRF, Tracer	MD936	5_03	n.m.	0.78	n.m.	5.55	0.099	n.m.	14.75	n.m.	2.81	n.m.	n.m.	n.m.	n.m.	n.m.	360	n.m.	126	32	70	n.m.	n.m.	58	725	23	201	13	447	n.m.	n.m.	n.m.	16	n.m.			
p-ED-XRF, Niton	MD936	5_03	41.98	0.71	12.53	5.78	0.102	5.75	19.42	n.m.	1.71	0.42	0.43	73	n.m.	123	247	<LOD	137	<LOD	80	n.m.	<LOD	57	670	20	137	<LOD	563	n.m.	223	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD949	50_01	50.66	0.86	14.58	8.31	0.155	6.31	14.46	1.74	1.74	0.23	0.00	n.m.	27	147	353	34	261	48	84	18	n.m.	32	489	22	188	12	371	22	45	34	1	9			99.04
p-ED-XRF, Tracer	MD949	50_01	n.m.	0.83	n.m.	8.04	0.152	n.m.	11.87	n.m.	2.03	n.m.	n.m.	n.m.	n.m.	n.m.	330	n.m.	217	54	82	n.m.	n.m.	33	433	28	175	16	483	n.m.	n.m.	n.m.	6	n.m.			
p-ED-XRF, Niton	MD949	50_01	47.35	0.78	14.47	8.34	0.155	2.89	14.24	n.m.	1.63	0.31	0.08	100	n.m.	163	293	<LOD	213	13	80	n.m.	<LOD	30	450	30	147	<LOD	460	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD950	50_02	47.27	0.80	13.09	7.58	0.147	5.58	15.07	1.27	2.37	0.26	0.00	n.m.	26	127	357	34	278	57	88	16	n.m.	64	649	22	186	10	337	14	47	33	12	9			93.44
p-ED-XRF, Tracer	MD950	50_02	n.m.	0.73	n.m.	6.64	0.133	n.m.	11.05	n.m.	2.82	n.m.	n.m.	n.m.	n.m.	n.m.	306	n.m.	205	42	75	n.m.	n.m.	55	489	23	157	12	474	n.m.	n.m.	n.m.	16	n.m.			
p-ED-XRF, Niton	MD950	50_02	45.64	0.71	13.12	7.07	0.135	5.59	14.92	n.m.	2.43	0.37	0.10	103	n.m.	130	303	<LOD	213	<LOD	77	n.m.	<LOD	60	510	20	117	<LOD	427	n.m.	87	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD951	50_03	52.89	0.80	13.88	7.76	0.136	6.40	12.71	1.41	2.54	0.26	0.00	n.m.	22	137	367	32	255	37	85	16	n.m.	47	443	22	178	13	337	25	49	29	9	8			98.78
p-ED-XRF, Tracer	MD951	50_03	n.m.	0.78	n.m.	7.37	0.131	n.m.	9.63	n.m.	3.09	n.m.	n.m.	n.m.	n.m.	n.m.	308	n.m.	206	42	79	n.m.	n.m.	51	426	24	166	13	484	n.m.	n.m.	n.m.	8	n.m.			
WD-XRF, not normalized	MD925	51_01	47.39	0.73	12.40	6.93	0.127	6.09	11.30	2.06	2.45	0.25	1.00	n.m.	19	140	331	30	241	43	89	16	n.m.	56	380	19	166	14	282	21	35	25	7	14			89.72
p-ED-XRF, Tracer	MD925	51_01	n.m.	0.68	n.m.	6.28	0.119	n.m.	8.63	n.m.	2.84	n.m.	n.m.	n.m.	n.m.	n.m.	270	n.m.	181	26	73	n.m.	n.m.	45	311	17	124	10	484	n.m.	n.m.	n.m.	11	n.m.			
p-ED-XRF, Niton	MD925	51_01	44.54	0.66	11.56	6.49	0.123	5.62	11.35	n.m.	2.34	0.30	0.41	597	n.m.	123	243	<LOD	177	10	80	n.m.	<LOD	50	310	7	110	<LOD	423	n.m.	77	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD926	51_02	53.98	0.80	14.16	7.84	0.145	5.94	11.72	1.70	1.99	0.24	0.00	n.m.	23	128	306	30	255	54	78	17	n.m.	58	451	20	172	10	416	17	38	32	6	10			98.51
p-ED-XRF, Tracer	MD926	51_02	n.m.	0.83	n.m.	7.79	0.141	n.m.	8.88	n.m.	2.57	n.m.	n.m.	n.m.	n.m.	n.m.	322	n.m.	222	52	76	n.m.	n.m.	60	401	24	163	13	470	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD926	51_02	52.90	0.79	15.23	8.01	0.142	5.67	11.44	n.m.	2.00	0.35	0.06	207	n.m.	133	283	<LOD	213	13	80	n.m.	<LOD	57	407	27	130	<LOD	513	n.m.	97	n.m.	<LOD	n.m.			

WD-XRF, not normalized	MD927	51_03	50.69	0.83	13.69	8.01	0.156	6.75	15.15	1.71	1.65	0.24	0.00	n.m.	24	144	424	35	286	40	83	17	n.m.	47	474	21	174	11	453	25	28	33	2	9			98.87
p-ED-XRF, Tracer	MD927	51_03	n.m.	0.81	n.m.	7.58	0.152	n.m.	11.55	n.m.	2.41	n.m.	n.m.	n.m.	n.m.	n.m.	391	n.m.	232	47	77	n.m.	n.m.	50	429	26	165	12	477	n.m.	n.m.	n.m.	8	n.m.			
p-ED-XRF, Niton	MD927	51_03	51.70	0.79	15.79	7.91	0.163	6.21	14.29	n.m.	1.73	0.42	0.08	573	n.m.	153	307	<LOD	257	47	83	n.m.	<LOD	57	433	23	140	<LOD	603	n.m.	323	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD928	61_01	51.82	0.97	14.06	7.30	0.172	4.86	13.78	0.86	2.40	0.41	0.00	n.m.	17	145	347	30	180	54	92	18	n.m.	79	627	28	255	17	497	29	67	10	10	9			96.63
p-ED-XRF, Tracer	MD928	61_01	n.m.	0.93	n.m.	6.76	0.155	n.m.	11.27	n.m.	3.08	n.m.	n.m.	n.m.	n.m.	n.m.	325	n.m.	146	44	82	n.m.	n.m.	73	552	29	241	18	426	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD928	61_01	49.51	0.85	14.61	7.05	0.158	4.11	14.14	n.m.	2.30	0.42	0.15	210	n.m.	160	270	<LOD	140	13	87	n.m.	<LOD	73	553	30	193	<LOD	640	n.m.	207	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD929	61_02	54.75	0.76	13.92	7.48	0.142	5.65	11.45	1.68	2.05	0.35	0.00	n.m.	22	128	332	31	260	51	76	17	n.m.	60	423	20	164	12	522	2	50	38	5	9			98.23
p-ED-XRF, Tracer	MD929	61_02	n.m.	0.80	n.m.	7.41	0.140	n.m.	8.77	n.m.	2.30	n.m.	n.m.	n.m.	n.m.	n.m.	297	n.m.	215	41	70	n.m.	n.m.	58	389	24	150	12	478	n.m.	n.m.	n.m.	11	n.m.			
p-ED-XRF, Niton	MD929	61_02	49.41	0.75	13.62	7.58	0.135	4.64	12.31	n.m.	2.08	0.37	0.07	230	n.m.	150	277	<LOD	213	<LOD	83	n.m.	3	57	440	20	120	<LOD	507	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD930	61_03	46.97	0.76	12.83	7.37	0.140	5.48	14.10	1.33	1.99	0.25	0.00	n.m.	23	146	334	36	253	46	104	15	n.m.	59	599	20	176	12	422	14	42	11	14	12			91.22
p-ED-XRF, Tracer	MD930	61_03	n.m.	0.76	n.m.	7.11	0.136	n.m.	10.34	n.m.	2.61	n.m.	n.m.	n.m.	n.m.	n.m.	331	n.m.	196	38	90	n.m.	n.m.	53	478	24	154	12	483	n.m.	n.m.	n.m.	16	n.m.			
WD-XRF, not normalized	MD940	64_01	46.36	0.71	11.87	6.50	0.118	5.73	13.72	2.52	2.53	0.23	0.00	n.m.	23	132	439	30	249	35	76	14	n.m.	43	924	17	174	11	299	2	29	32	6	3			90.29
p-ED-XRF, Tracer	MD940	64_01	n.m.	0.70	n.m.	6.19	0.116	n.m.	9.87	n.m.	3.28	n.m.	n.m.	n.m.	n.m.	n.m.	325	n.m.	195	31	66	n.m.	n.m.	48	374	19	137	10	472	n.m.	n.m.	n.m.	10	n.m.			
WD-XRF, not normalized	MD941	64_02	53.44	0.83	14.57	8.12	0.149	6.27	10.42	1.78	2.22	0.19	0.00	n.m.	24	131	382	33	275	49	76	18	n.m.	63	407	19	172	12	337	18	37	25	7	17			97.99
p-ED-XRF, Tracer	MD941	64_02	n.m.	0.79	n.m.	7.61	0.146	n.m.	7.52	n.m.	2.36	n.m.	n.m.	n.m.	n.m.	n.m.	351	n.m.	218	37	67	n.m.	n.m.	56	342	21	152	11	480	n.m.	n.m.	n.m.	14	n.m.			
p-ED-XRF, Niton	MD941	64_02	49.94	0.72	12.91	7.32	0.127	4.08	11.69	n.m.	1.99	0.33	0.08	70	n.m.	133	380	<LOD	180	13	90	n.m.	7	60	417	23	120	<LOD	440	n.m.	83	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD942	64_03	52.18	0.75	13.76	7.83	0.163	6.63	14.37	2.10	1.39	0.19	0.00	n.m.	24	140	372	37	298	41	72	14	n.m.	40	429	18	158	10	269	8	35	31	4	11			99.37
p-ED-XRF, Tracer	MD942	64_03	n.m.	0.72	n.m.	6.92	0.152	n.m.	10.09	n.m.	1.54	n.m.	n.m.	n.m.	n.m.	n.m.	366	n.m.	220	49	68	n.m.	n.m.	43	367	22	130	12	481	n.m.	n.m.	n.m.	10	n.m.			
p-ED-XRF, Niton	MD942	64_03	49.42	0.70	13.69	7.71	0.162	3.68	13.99	n.m.	1.34	0.30	0.09	140	n.m.	127	267	<LOD	253	13	73	n.m.	<LOD	47	403	23	110	<LOD	380	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD931	87.1_01	49.10	0.80	14.05	8.36	0.159	7.24	16.23	1.48	1.58	0.21	0.50	n.m.	23	143	317	36	303	55	96	16	n.m.	62	446	22	169	10	296	4	35	40	5	13			99.22
p-ED-XRF, Tracer	MD931	87.1_01	n.m.	0.72	n.m.	7.17	0.135	n.m.	11.92	n.m.	1.88	n.m.	n.m.	n.m.	n.m.	n.m.	285	n.m.	228	48	78	n.m.	n.m.	54	403	24	146	14	490	n.m.	n.m.	n.m.	10	n.m.			
WD-XRF, not normalized	MD932	87.1_02	51.29	0.79	14.35	7.97	0.143	6.35	14.54	1.34	1.57	0.22	0.00	n.m.	24	134	358	33	263	54	95	15	n.m.	57	446	22	167	12	581	15	32	36	5	8			98.55
p-ED-XRF, Tracer	MD932	87.1_02	n.m.	0.78	n.m.	7.18	0.131	n.m.	10.74	n.m.	2.00	n.m.	n.m.	n.m.	n.m.	n.m.	316	n.m.	200	49	80	n.m.	n.m.	55	381	24	142	14	475	n.m.	n.m.	n.m.	9	n.m.			
p-ED-XRF, Niton	MD932	87.1_02	49.41	0.76	14.01	7.74	0.134	4.28	13.64	n.m.	1.61	0.33	0.09	113	n.m.	153	267	<LOD	227	43	90	n.m.	<LOD	60	403	23	120	<LOD	727	n.m.	193	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD933	87.1_03	51.73	0.77	13.85	7.86	0.149	6.53	12.52	1.58	1.63	0.23	0.00	n.m.	23	138	399	32	280	59	94	15	n.m.	52	430	19	162	11	618	19	46	5	10	12			96.85
p-ED-XRF, Tracer	MD933	87.1_03	n.m.	0.76	n.m.	7.43	0.151	n.m.	10.09	n.m.	1.80	n.m.	n.m.	n.m.	n.m.	n.m.	337	n.m.	225	50	86	n.m.	n.m.	52	378	23	140	12	472	n.m.	n.m.	n.m.	13	n.m.			
p-ED-XRF, Niton	MD933	87.1_03	47.37	0.73	13.58	7.79	0.148	5.59	13.41	n.m.	1.52	0.37	0.07	53	n.m.	157	297	<LOD	227	30	93	n.m.	<LOD	57	390	20	113	<LOD	773	n.m.	<LOD	n.m.	<LOD	n.m.			
WD-XRF, not normalized	MD961	99_01	51.38	0.79	12.86	6.75	0.124	4.99	13.29	1.50	1.95	0.26	0.00	n.m.	17	125	425	27	189	48	79	15	n.m.	57	569	21	181	14	455	12	45	30	10	9			93.89
p-ED-XRF, Tracer	MD961	99_01	n.m.	0.78	n.m.	5.42	0.100	n.m.	16.29	n.m.	2.91	n.m.	n.m.	n.m.	n.m.	n.m.	208	n.m.	110	43	70	n.m.	n.m.	57	1021	24	222	15	447	n.m.	n.m.	n.m.	21	n.m.			
WD-XRF, not normalized	MD962	99_02	41.12	0.76	11.43	6.10	0.107	4.12	20.92	0.90	1.83	0.23	0.00	n.m.	25	135	334	22	148	50	87	13	n.m.	67	947	22	211	14	436	26	55	25	12	6			87.51
p-ED-XRF, Tracer	MD962	99_02	n.m.	0.83	n.m.	6.65	0.132	n.m.	10.65	n.m.	2.69	n.m.	n.m.	n.m.	n.m.	n.m.	514	n.m.	163	39	72	n.m.	n.m.	58	659	24	182	14	457	n.m.	n.m.	n.m.	13	n.m.			
WD-XRF, not normalized	MD963	99_03	47.69	0.81	13.04	7.45	0.142	5.85	14.26	1.12	2.30	0.37	0.00	n.m.	26	123	386	37	242	67	103	13	n.m.	64	581	22	191	12	807	14	46	28	14	7			93.04
p-ED-XRF, Tracer	MD963	99_03	n.m.	0.81	n.m.	6.87	0.138	n.m.	12.29	n.m.	3.07	n.m.	n.m.	n.m.	n.m.	n.m.	330	n.m.	193	53	88	n.m.	n.m.	58	499	25	175	15	464	n.m.	n.m.	n.m.	15	n.m.			