

Serra Negra Rare Earths Project, Brazil

Serra Negra emerging as district-scale opportunity with a substantial new discovery outside known REE mineralisation

Assaying of up to 1km spaced historic drilling has uncovered a large new zone of REE mineralisation highlighting the potential for a world-scale system

HIGHLIGHTS

- Latest results from assaying core from up to 1km spaced historical drilling, which did not target rare earth elements (REE), has doubled the area of known REE mineralisation to more than 4.5sqkm within the carbonatite complex
- New thick REE intervals demonstrate the expanding district-scale potential of the mineralisation; Results include:
 - 32m @ 2.7% TREO within 122m @ 1.2% TREO from 50m (Peak Assays – 4.79% TREO, 1.19% MREO) (L179)
 - 106m @ 1.00% TREO from 18.9m (Peak Assays – 4.34% TREO, 1.01% MREO) (OA167)
 - 26m @ 1.4% TREO + 0.63% Nb₂O₅ from 127m to EOH (Peak Assays – 10.59% TREO, 2.22% MREO and 6.39% Nb₂O₅) (LG31)
- All 68 available historical drillholes have now been re-sampled, with assays still pending from 45 holes (~4,750m)
- Oceana's maiden drilling program at Serra Negra is progressing well with two rigs testing the 1.5km x 1.5km priority Central area, host to existing drill intersections of up to 50m @ 4%TREO¹
- High-resolution drone magnetic survey completed; Inversion modelling underway by geophysical consultants to assist in understanding the geometry and intrusion phases within the Serra Negra Complex
- Plan and 3D interpretations of magnetics to refine district-scale target generation and help guide regional drill planning
- Oceana remains well funded with approximately A\$8.16m cash as at 30 June 2026 and a further A\$12.6 million (before costs) received from Tranche 2 of the Placement in July 2026.

Oceana Managing Director Mick Wilson said: "These latest assays from historic core provide more evidence that Serra Negra is rapidly emerging as a major rare earths project."

"We are seeing strong evidence of rare earths (REE) mineralisation extending well beyond the area originally prioritised during due diligence, now with a combined area exceeding 4.5 square kilometres. Importantly, the new REE mineralisation area appears to be hosted in similar lithologies to the Central target area."

"The presence of both rare earths and evidence of coincident niobium mineralisation in wide-spaced holes (+300m – 1km apart) that were never designed to target REE or niobium, highlights the fertility of the Serra Negra carbonatite system and provides an additional avenue for value creation as Oceana's exploration advances."

"This re-sampling program is particularly advantageous given we haven't had to complete the drilling, saving approximately ~A\$2.5m in drilling costs and the time that would be needed to drill that program."

"With the majority of re-sampling results still pending, aeromagnetic survey interpretations taking place and our own drilling now underway, we believe Serra Negra offers multiple opportunities for value creation through expansion of the known system and discovery of additional mineralised centres".

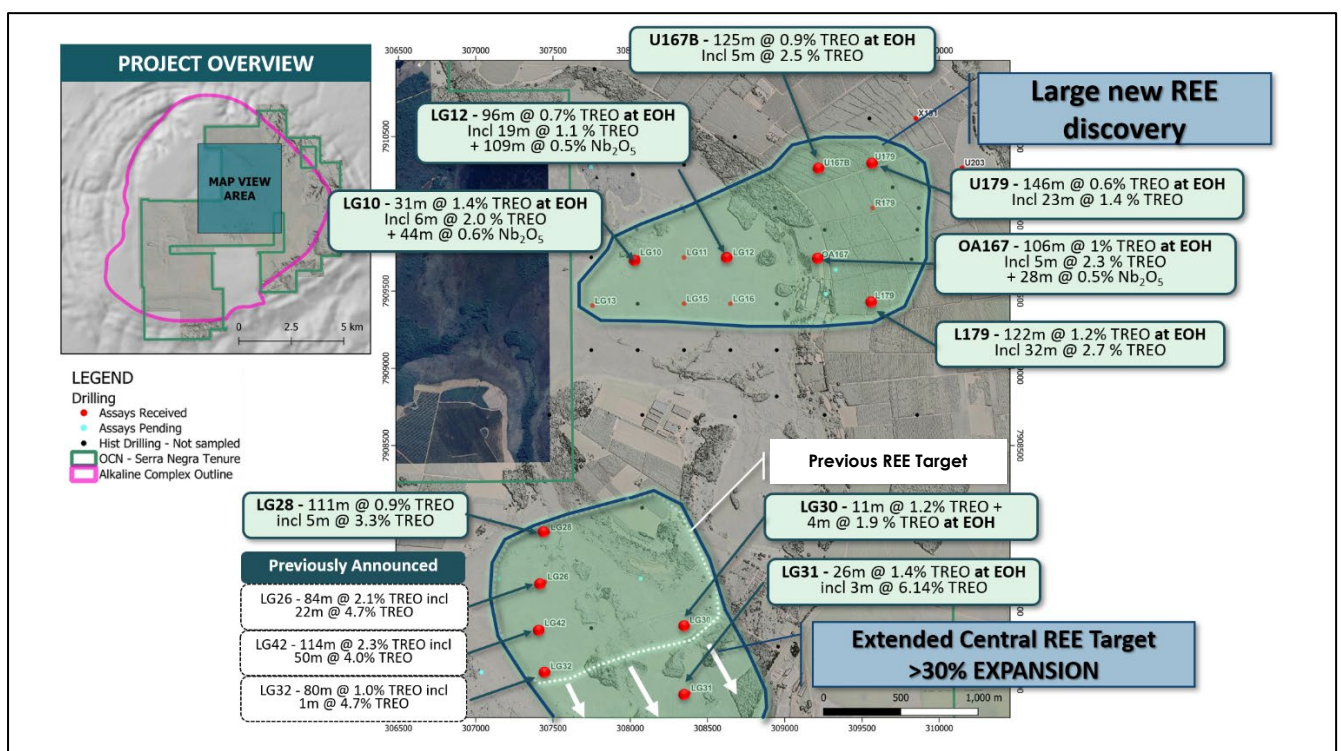


Figure 1: Recent re-sampling results from historic drilling support expansion of the central REE Target by more than 30% while also identifying a large new REE target northeast within the Serra Negra Carbonatite Complex.¹

Oceana Metals Limited (ASX:OCN) is pleased to announce further strong assays which have significantly expanded the known footprint of rare earth element (REE) mineralisation at the Serra Negra Project in Minas Gerais, Brazil.

The latest assays from re-sampling of historic core take the known mineralised footprint to 4.5 sqkm within the 10-km diameter complex.

Importantly, these results continue to extend the footprint of confirmed mineralisation well beyond the area initially prioritised during due diligence and have identified additional zones of REE mineralisation that may represent future drill targets.

Recent re-sampling results not only continue to expand the known REE footprint but are also highlighting significant niobium mineralisation across parts of the project, reinforcing the broader prospectivity of the Serra Negra carbonatite system.

The results support the Company's interpretation that Serra Negra hosts a large and evolving rare earth opportunity, with significant exploration upside remaining both within the currently defined mineralisation zones and across the broader carbonatite complex.

Serra Negra's REE mineralisation is hosted within a weathered carbonatite complex — the same broad style of mineralisation that hosts several of the world's largest and highest-grade rare earth deposits, including Mount Weld in Western Australia. This “hard rock” carbonatite geological setting is regarded by explorers and investors as favourable for both scale and grade potential.

Re-Sampling Creates Value on Regional Targeting

The ongoing re-sampling program represents a low-cost exploration strategy, enabling Oceana to extract significant new value and geological understanding from historical drilling completed by previous operators. By systematically re-sampling historical drill core for the full suite of REE and other potential co-products such as niobium, using modern analytical methods, the Company is able to rapidly refine drilling targets at a fraction of the cost of undertaking equivalent new district scale drilling across the carbonatite complex.

Importantly, each batch of new assays contributes to a growing geological dataset that is improving our understanding of the scale and continuity of the mineralised system within the Complex. These results have extended the known mineralised footprint well beyond the areas initially considered and prioritised during due diligence. The combination of historical drilling, modern analytical methods and contemporary geological interpretation is rapidly transforming the Company's understanding of the Serra Negra Carbonatite Complex.

Table 1: Intersections to date from Oceana-led historic drill core re-assay

Hole ID	0.5% TREO Cut-off		1% TREO Cut-off		2% TREO Cut-off		>3% TREO Cut-off	
	from	Intersect	from	Intersect	from	Intersect	from	Intersect
L179	51	123m @ 1.2% TREO	52 96	33m @ 1% TREO 75m @ 1.5% TREO	102	32m @ 2.7% TREO	102	4m @ 3.3% TREO
LG10	88	31m @ 1.4% TREO	91	26m @ 1.6% TREO	94	6m @ 2% TREO	-	
LG11	45	10m @ 0.5% TREO	-		-		-	
LG12	61	96m @ 0.7% TREO	72 135	5m @ 1.5% TREO 19m @ 1.1% TREO	-		-	
LG13	57.8	23m @ 0.6% TREO	-		-		-	
LG16	40	5m @ 0.8% TREO	-		-		-	
LG28	4	111m @ 0.9% TREO	4 43 82	30m @ 1% TREO 33m @ 1.1% TREO 18m @ 1.1% TREO	43 93	3m @ 2.5% TREO 5m @ 3.3% TREO	94	4m @ 3.6% TREO
LG30	45 91	24m @ 0.5% TREO 46m @ 0.7% TREO	98 133	11m @ 1.2% TREO 4m @ 1.9% TREO	-		-	

Table 1 (Continued): Intersections to date from Oceana-led historic drill core re-assay

holeid	0.5% TREO Cut-off		1% TREO Cut-off		2% TREO Cut-off		>3% TREO Cut-off	
	from	Intersect	from	Intersect	from	Intersect	from	Intersect
LG31	93	3m @ 1.2% TREO						
	116	6m @ 0.5% TREO						
	127	26m @ 1.4% TREO EOH	130	23m @ 1.5% TREO	143	3m @ 6.1% TREO	143	3m @ 6.1% TREO
OA167	18.9	106m @ 1% TREO	20.8	99m @ 1% TREO	29	5m @ 2.3% TREO	-	
R179	55	16m @ 0.6% TREO	-		-		-	
U167B	35	125m @ 0.9% TREO	35	80m @ 1.2% TREO	42	5m @ 2% TREO	-	
					81	5m @ 2.5% TREO	-	
U179	52	146m @ 0.6% TREO	54	23m @ 1.4% TREO	58	3m @ 2.1% TREO	-	
			124	3m @ 1.1% TREO			-	
U203	96	3m @ 0.6% TREO	-		-		-	
X191	70	3m @ 0.8% TREO	-		-		-	

Recent assay results have expanded the confirmed mineralised footprint to more than 1.5km strike length within the central target area and continues to support the Company's interpretation that REE mineralisation is associated with favourable weathered intrusive units present within the Serra Negra Carbonatite Complex. Several additional zones of mineralisation have emerged from the ongoing re-sampling program and will be evaluated and prioritised as future drilling targets.

With significant portions of the historical drilling assays yet to be received, the Company believes further extensions are likely across the project. Importantly, the historic holes are broadly spaced (+300m apart up to >1km apart) and were never intended to target REE mineralisation.

High-Resolution Geophysical Surveys Completed

Oceana has completed its high-resolution drone geophysics program across the priority target area, comprising LIDAR and drone magnetic surveys. The program was completed by Avant Geofísica, which flew a total of 1,304 line kilometres using a DJI Matrice 350 RTK platform equipped with a GEM Systems GSMP-35U magnetometer. Survey lines were flown at 50 m spacing with 500 m control lines and an average sensor height of approximately 30 m above ground level.

The newly acquired datasets are expected to materially improve geological interpretation, structural mapping and drill targeting of favourable host lithologies across the Serra Negra Carbonatite Complex. Integration of the geophysical data with re-sampling results, geological mapping and historical drilling information is currently underway.

Specialist geophysical consultants have commenced inversion modelling and interpretation of the magnetic dataset. This work is expected to improve Oceana's understanding of the geometry, extent and emplacement history of the intrusive phases within the Serra Negra Carbonatite Complex.

The magnetic survey represents the first modern high-resolution geophysical dataset collected across much of the project area and is expected to provide an important framework for future exploration. Ongoing interpretation, including both two-dimensional and three-dimensional modelling, will be incorporated into the Company's evolving geological model and is expected to assist with district-scale target generation, drill planning and prioritisation of future exploration programs.

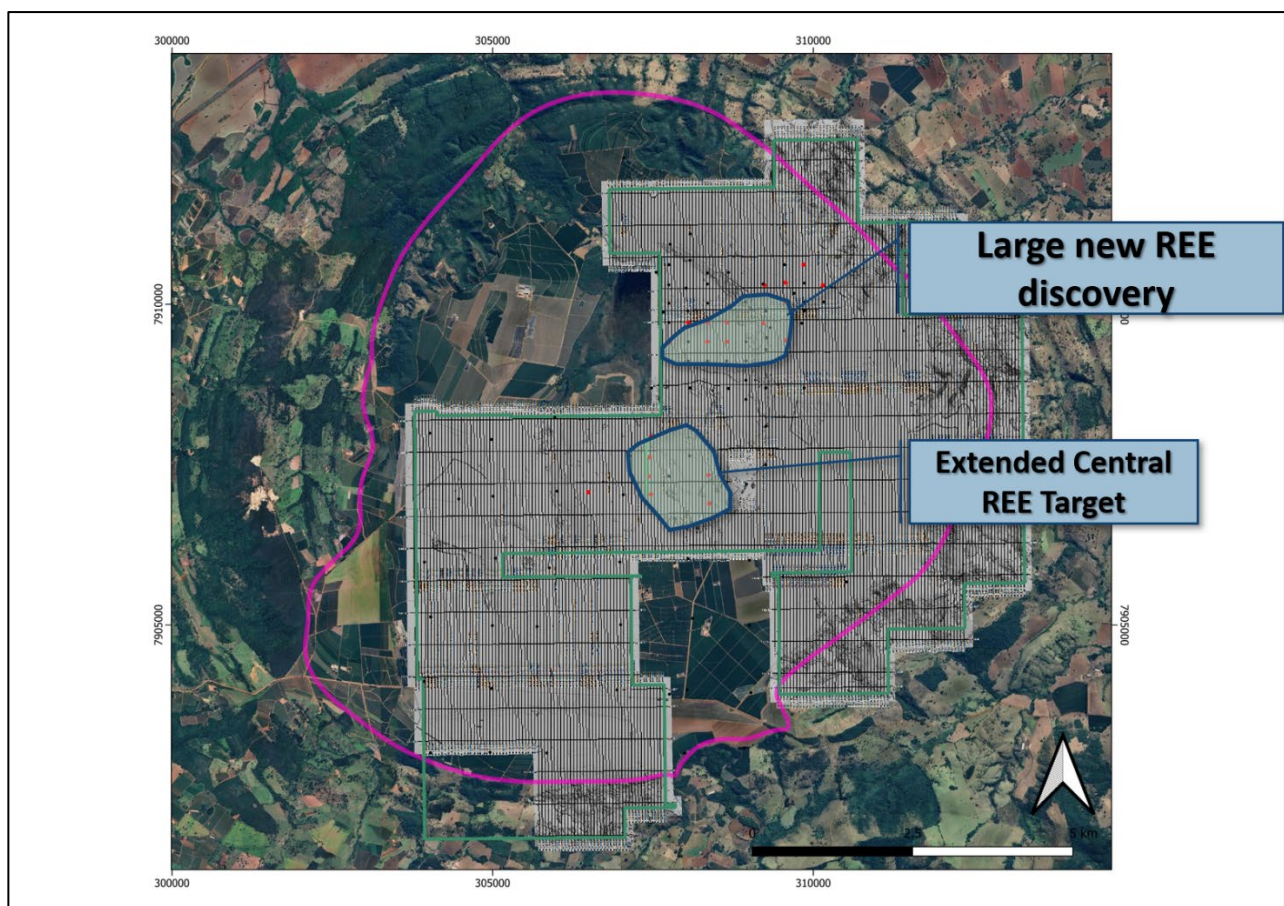


Figure 2: Drone magnetic survey flight lines displayed over the LiDAR terrain model of the Serra Negra Project area. High-resolution drone geophysical surveying completed by Avant Geofísica across the Serra Negra Carbonatite Complex. Interpretation and inversion modelling of the datasets are currently underway.

Program Execution Milestones

Significant progress has been made across activities required to support the exploration program and drilling at Serra Negra.

Indicative timetable

Event	Date
Historical core re-sampling assay results	Ongoing
Interpretation of drone magnetic and LiDAR datasets	September 2026
First assay results from maiden Oceana-led drilling program	Early Q4 2026
Introduction of additional rigs and expansion of drilling capacity	Early Q4 2026
Maiden Mineral Resource Estimate for Serra Negra	Coming months

The above timetable is indicative only and is subject to change.

Corporate

Completion of the acquisition of Songeo Mineração S.A. is expected imminently with both parties working on satisfying the remaining conditions precedent. Refer to the Company's ASX announcements dated 28 April 2026 and 9 July 2026 for further details regarding the acquisition and conditions precedent.

The Company remains well funded with approximately A\$8.16m cash as at 30 June 2026 and a further A\$12.6 million (before costs) received from Tranche 2 of the Placement in July 2026.

Authorised for release by the Board of Oceana Metals Ltd.

For further information please contact:

Mick Wilson
Managing Director
Oceana Metals Ltd
T: +61 8 96370 3139
E: info@oceanametals.com

Paul Armstrong
Investor Relations
Read Corporate
T: +61 8 9388 1474

Competent Person Statement

The information in this announcement that relates to Exploration Results at the Serra Negra Project is based on, and fairly represents, information and supporting documentation prepared by Mr Michael Wilson, Managing Director of Oceana, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Wilson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code"). Mr Wilson holds performance rights in Oceana. In addition, subject to shareholders approving the relevant resolutions at the general meeting of shareholders on 14 July 2026, Mr Wilson is expected to be issued shares and further performance rights. Mr Wilson consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

The information in this announcement that relates to previously-reported Exploration Results at the Serra Negra Project is extracted from the Company's ASX announcements dated 28 April 2026 and 9 July 2026, which are available at www.oceanametals.com. The Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from those market announcements.

References to 'historic(al) drilling', 'historic(al) exploration results' and 'historic(al) data' in this announcement refer to drilling, exploration results and data collected prior to the current drilling campaign. Unless specified otherwise, all historical drilling information and data in this announcement has been reported in accordance with the 2012 edition of the JORC Code and not in accordance with a historical code.

Forward Looking Statements

This announcement may contain certain forward-looking statements and projections, including statements regarding Oceana's plans, forecasts and projections with respect to its mineral properties and exploration programs. Although the forward-looking statements contained in this release reflect management's current beliefs based upon information currently available to management and based upon what management believes to be reasonable assumptions, such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors many of which are beyond the control of the Company.

The forward-looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. For example, there can be no assurance that Oceana will be able to confirm the presence of Mineral Resources or Ore Reserves, that Oceana's plans for development of its mineral properties will proceed, that any mineralisation will prove to be economic, or that a mine will be successfully developed on any of Oceana's mineral properties. The performance of Oceana may be influenced by a number of factors which are outside the control of the Company, its directors, staff or contractors.

The Company does not make any representations and provides no warranties concerning the accuracy of the projections, and disclaims any obligation to update or revise any forward-looking statements/projections based on new information, future events or otherwise except to the extent required by applicable laws.

End Notes

1. Refer OCN's ASX release dated 9 July 2026 and titled 'High-Grade REE Intercepts Confirm Top-Tier Potential'.

Appendix 1: Historic Drilling Re-Assay Collars

HoleID	Easting	Northing	Elevation	Length	HoleType	Grid
FSN10A	303933	7904122	1160	69.65	DDH	SIRGAS 2000 / UTM zone 23S
FSN1A	304021	7907991	1160	120.1	DDH	SIRGAS 2000 / UTM zone 23S
FSN30A	306492	7907072	1160	146.35	DDH	SIRGAS 2000 / UTM zone 23S
FSN9A	309005	7904997	1160	130.85	DDH	SIRGAS 2000 / UTM zone 23S
L179	309568	7909437	1193.5	173.95	DDH	SIRGAS 2000 / UTM zone 23S
LG10	308048	7909717	1160	119.4	DDH	SIRGAS 2000 / UTM zone 23S
LG11	308348	7909717	1160	90.3	DDH	SIRGAS 2000 / UTM zone 23S
LG12	308648	7909717	1158	162.85	DDH	SIRGAS 2000 / UTM zone 23S
LG13	307755	7909404	1160	125.4	DDH	SIRGAS 2000 / UTM zone 23S
LG15	308348	7909417	1160	80.15	DDH	SIRGAS 2000 / UTM zone 23S
LG16	308648	7909417	1160	114.05	DDH	SIRGAS 2000 / UTM zone 23S
LG26	307448	7907617	1158	187.2	DDH	SIRGAS 2000 / UTM zone 23S
LG28	307468	7907937	1160	126.05	DDH	SIRGAS 2000 / UTM zone 23S
LG30	308368	7907337	1160	137.1	DDH	SIRGAS 2000 / UTM zone 23S
LG31	308378	7906897	1162	153.1	DDH	SIRGAS 2000 / UTM zone 23S
LG32	307468	7907037	1163	164.4	DDH	SIRGAS 2000 / UTM zone 23S
LG42	307428	7907317	1161	166.35	DDH	SIRGAS 2000 / UTM zone 23S
OA167	309223	7909703	1160	127.55	DDH	SIRGAS 2000 / UTM zone 23S
R179	309568	7910037	1160	157.2	DDH	SIRGAS 2000 / UTM zone 23S
U167B	309238	7910297	1203	160.3	DDH	SIRGAS 2000 / UTM zone 23S
U179	309568	7910337	1160	202.15	DDH	SIRGAS 2000 / UTM zone 23S
U203	310148	7910297	1160	182.2	DDH	SIRGAS 2000 / UTM zone 23S
X191	309848	7910617	1160	145.3	DDH	SIRGAS 2000 / UTM zone 23S



Appendix 2: Historic Drilling Re-Assay Results



holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN10A	0	1	73.88	202.68	15.95	53.19	8.12	1.97	5.65	1.00	6.31	1.42	3.89	0.64
FSN10A	1	2	59.81	170.74	12.81	41.17	6.49	1.39	5.30	0.98	5.62	1.33	3.89	0.65
FSN10A	2	3	58.64	173.20	11.60	38.49	6.61	1.27	5.42	0.95	6.20	1.37	4.35	0.65
FSN10A	3	4	56.29	189.17	11.48	38.14	6.15	1.39	5.19	0.95	6.31	1.44	4.23	0.70
FSN10A	4	5	68.02	233.39	13.05	40.94	6.96	1.51	5.42	0.93	5.97	1.32	4.00	0.61
FSN10A	5	6	80.92	223.56	16.19	51.55	7.65	1.62	5.76	1.01	5.62	1.26	3.89	0.61
FSN10A	6	7	111.41	233.39	21.99	69.98	10.20	2.08	7.61	1.13	5.97	1.29	4.00	0.56
FSN10A	7	8	123.14	250.59	25.01	79.66	11.83	2.55	7.61	1.13	6.20	1.28	3.89	0.56
FSN10A	8	9	127.83	256.73	25.49	83.51	11.60	2.43	7.26	1.05	5.97	1.24	3.77	0.59
FSN10A	9	10	140.73	271.47	27.79	87.01	12.76	2.32	7.72	1.12	6.43	1.33	4.00	0.58
FSN10A	10	11	146.60	283.75	29.00	92.26	12.64	2.66	7.61	1.13	6.66	1.35	3.77	0.58
FSN10A	11	12	154.81	294.81	30.45	97.98	14.61	2.66	8.53	1.25	6.54	1.45	4.12	0.62
FSN10A	12	13	153.63	296.04	30.81	95.64	13.57	2.55	8.30	1.27	6.20	1.23	3.54	0.57
FSN10A	13	14	154.81	297.27	31.41	97.16	14.03	2.89	8.53	1.22	6.08	1.28	3.54	0.56
FSN10A	14	15	170.05	325.52	34.80	107.66	15.89	2.78	8.88	1.19	6.31	1.37	3.77	0.55
FSN10A	15	16	175.92	339.03	35.40	113.02	16.47	3.01	8.99	1.27	6.54	1.40	3.77	0.56
FSN10A	16	17	159.50	324.29	32.86	103.69	15.54	3.01	8.99	1.29	6.20	1.26	4.00	0.63
FSN10A	17	18	178.26	357.46	36.37	117.80	15.65	3.24	9.22	1.23	6.43	1.29	3.89	0.55
FSN10A	18	19	185.30	369.74	37.57	120.72	15.54	3.13	9.68	1.20	6.54	1.28	3.66	0.58
FSN10A	19	20	191.16	383.25	39.87	125.97	16.47	3.24	8.64	1.19	6.77	1.34	3.54	0.54
FSN10A	20	21	159.50	357.46	32.62	99.14	12.99	2.55	7.03	1.05	4.94	0.97	2.86	0.37
FSN10A	21	22	126.66	297.27	25.25	76.05	10.67	2.08	5.42	0.75	3.67	0.79	2.06	0.32
FSN10A	22	23	152.46	369.74	29.72	88.30	11.36	2.55	6.34	0.94	4.71	0.90	2.63	0.38
FSN10A	23	24	140.73	303.41	26.46	75.12	9.39	1.85	5.07	0.79	4.02	0.73	2.29	0.27
FSN10A	24	25	127.83	276.38	24.40	72.43	9.16	1.85	5.19	0.72	3.44	0.69	1.94	0.30
FSN10A	25	26	121.97	241.99	23.20	66.02	7.65	1.74	4.26	0.61	3.10	0.60	1.60	0.24
FSN10A	26	27	114.93	214.96	21.26	62.40	7.07	1.51	4.15	0.55	2.87	0.52	1.49	0.18
FSN10A	27	28	100.86	175.66	18.24	54.94	6.38	1.16	3.11	0.46	2.30	0.45	1.26	0.18
FSN10A	28	29	96.17	167.06	17.16	52.02	6.03	1.27	3.11	0.48	2.52	0.47	1.26	0.18
FSN10A	29	30	85.61	147.40	15.10	45.26	5.10	0.93	2.77	0.46	2.18	0.40	1.03	0.17
FSN10A	30	31	60.98	114.24	10.51	32.54	4.52	0.93	2.31	0.32	1.72	0.33	0.80	0.13
FSN10A	31	32	26.97	85.99	5.44	18.43	2.78	0.58	1.50	0.24	1.26	0.24	0.69	0.07
FSN10A	32	33	26.97	137.58	5.80	18.20	2.67	0.81	1.73	0.24	1.38	0.24	0.57	0.06
FSN10A	33	34	22.28	124.07	4.71	15.63	2.44	0.58	1.38	0.22	0.92	0.21	0.46	0.07
FSN10A	34	35	23.46	114.24	5.32	17.50	2.90	0.81	2.07	0.29	1.26	0.24	0.57	0.03
FSN10A	35	36	23.46	146.18	5.44	18.90	3.36	0.69	1.84	0.31	1.38	0.26	0.69	0.07
FSN10A	36	37	30.49	256.73	7.85	28.81	5.57	1.62	4.26	0.61	2.98	0.63	1.60	0.19
FSN10A	37	38	19.94	669.46	5.80	21.46	3.59	0.93	2.31	0.32	1.61	0.26	0.69	0.07
FSN10A	38	39	15.25	581.02	4.11	15.16	2.55	0.58	1.27	0.21	0.92	0.16	0.46	0.03
FSN10A	39	40	18.76	227.25	4.59	16.56	2.32	0.69	1.73	0.26	1.15	0.22	0.46	0.03
FSN10A	40	41	18.76	237.08	4.11	15.86	2.67	0.69	1.61	0.24	1.15	0.17	0.34	0.03
FSN10A	41	42	29.32	309.55	6.16	23.09	4.06	1.04	2.42	0.36	1.95	0.25	0.69	0.07
FSN10A	42	43	28.15	195.31	5.20	16.80	2.67	0.81	1.96	0.27	1.26	0.23	0.46	0.03
FSN10A	43	44	14.07	100.73	3.14	10.61	1.62	0.58	1.15	0.19	0.92	0.15	0.46	0.03
FSN10A	44	45	15.25	50.36	4.47	15.98	2.67	0.58	1.38	0.16	0.92	0.15	0.34	0.03
FSN10A	45	46	8.21	82.30	2.78	12.13	2.20	0.58	1.50	0.19	0.80	0.13	0.34	0.03
FSN10A	46	47	4.69	13.51	2.05	10.73	1.74	0.35	1.27	0.14	0.57	0.09	0.23	0.03
FSN10A	47	48	5.86	12.28	1.81	9.33	2.32	0.46	1.27	0.15	0.80	0.11	0.34	0.03
FSN10A	48	49	4.69	19.65	2.05	8.05	1.51	0.46	1.38	0.18	0.92	0.09	0.23	0.03
FSN10A	49	50	4.69	11.06	2.30	10.26	2.32	0.58	1.61	0.19	1.03	0.15	0.46	0.03
FSN10A	50	51	3.52	4.91	1.33	6.42	1.16	0.35	0.81	0.09	0.46	0.08	0.11	0.03
FSN10A	51	52	10.55	13.51	2.78	11.66	2.09	0.58	1.38	0.20	0.92	0.13	0.34	0.03
FSN10A	52	53	21.11	31.94	5.56	19.71	3.36	0.81	2.07	0.28	1.26	0.24	0.69	0.03
FSN10A	53	54	30.49	50.36	7.97	29.04	4.64	1.04	2.31	0.34	1.72	0.33	0.69	0.06
FSN10A	54	55	24.63	40.54	6.64	23.68	3.59	0.93	2.31	0.31	1.38	0.25	0.69	0.08
FSN10A	55	56	55.12	76.16	13.53	51.09	8.23	1.74	3.69	0.46	1.95	0.34	0.91	0.09

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN10A	56	57	48.08	66.33	12.56	43.97	6.49	1.51	3.23	0.42	1.95	0.30	0.57	0.06
FSN10A	57	58	12.90	14.74	3.26	13.30	2.44	0.46	1.61	0.20	0.80	0.17	0.34	0.03
FSN10A	58	59	17.59	28.25	4.71	18.31	2.78	0.69	1.73	0.25	1.03	0.14	0.23	0.03
FSN10A	59	60	17.59	28.25	4.35	16.80	2.32	0.69	1.61	0.18	0.80	0.14	0.34	0.03
FSN10A	60	61	21.11	34.39	5.68	20.88	3.01	0.93	2.19	0.20	1.38	0.18	0.57	0.03
FSN10A	61	62	15.25	23.34	4.23	16.80	3.13	0.81	2.31	0.22	1.15	0.18	0.46	0.06
FSN10A	62	63	3.52	6.14	1.33	7.11	1.74	0.58	1.38	0.15	0.69	0.15	0.23	0.03
FSN10A	63	64	4.69	9.83	1.69	8.98	1.97	0.58	1.73	0.21	1.03	0.18	0.46	0.03
FSN10A	64	65	457.38	1046.57	115.86	424.56	67.14	15.98	38.50	5.02	22.15	3.65	8.12	0.94
FSN10A	65	66	511.33	1092.02	129.27	493.38	78.62	20.15	52.44	6.74	32.14	5.56	13.04	1.48
FSN10A	66	67	876.06	1738.14	214.45	815.30	133.35	32.65	88.52	12.29	58.53	9.55	21.73	2.34
FSN10A	67	68	8.21	17.20	2.30	8.75	1.86	0.46	1.61	0.22	1.03	0.23	0.57	0.06
FSN10A	68	69	7.04	14.74	1.69	6.42	1.28	0.35	1.15	0.16	0.92	0.24	0.57	0.06
FSN10A	69	69.65	7.04	13.51	1.57	6.30	1.28	0.35	1.04	0.15	0.92	0.22	0.57	0.03
FSN1A	0	1	55.12	221.11	12.56	40.24	6.26	1.39	4.84	0.88	6.08	1.40	4.00	0.63
FSN1A	1	2	58.64	240.76	13.41	43.51	6.84	1.51	4.96	1.09	6.54	1.49	4.35	0.65
FSN1A	2	3	59.81	257.96	13.41	43.51	6.96	1.51	5.42	1.08	6.66	1.48	4.46	0.69
FSN1A	3	4	60.98	304.64	13.29	43.86	6.84	1.51	5.30	1.05	6.43	1.51	4.35	0.64
FSN1A	4	5	64.50	350.08	14.26	45.96	6.84	1.51	5.07	1.04	6.66	1.48	4.23	0.65
FSN1A	5	6	80.92	391.85	17.52	55.52	7.77	1.74	5.42	0.95	6.20	1.40	3.89	0.57
FSN1A	6	7	98.51	345.17	21.51	67.77	10.09	2.08	6.34	1.07	6.43	1.33	4.00	0.57
FSN1A	7	8	117.28	320.60	25.98	79.90	11.48	2.43	7.15	1.20	6.89	1.35	3.77	0.53
FSN1A	8	9	124.31	337.80	27.55	87.25	11.94	2.66	7.95	1.26	6.77	1.40	3.77	0.57
FSN1A	9	10	125.49	356.23	28.15	91.33	11.48	2.66	7.38	1.19	6.66	1.35	3.77	0.55
FSN1A	10	11	167.71	407.82	37.94	122.47	16.58	3.47	9.11	1.43	6.77	1.47	3.77	0.58
FSN1A	11	12	177.09	433.61	41.20	130.05	18.09	3.59	9.57	1.41	7.00	1.45	3.77	0.55
FSN1A	12	13	189.99	465.55	43.86	137.63	18.67	3.82	10.60	1.45	7.80	1.56	4.00	0.57
FSN1A	13	14	191.16	465.55	43.86	137.63	19.13	3.94	10.60	1.53	7.80	1.52	4.35	0.62
FSN1A	14	15	187.64	458.18	43.13	135.88	18.67	3.71	10.26	1.60	7.57	1.53	3.89	0.64
FSN1A	15	16	191.16	465.55	44.10	139.97	19.25	3.94	10.26	1.53	7.80	1.51	4.00	0.57
FSN1A	16	17	198.20	499.95	45.79	146.38	19.25	4.05	10.60	1.53	7.92	1.56	4.23	0.56
FSN1A	17	18	199.37	493.80	45.67	146.96	21.80	4.17	11.76	1.49	8.26	1.55	4.35	0.56
FSN1A	18	19	195.85	486.43	44.94	144.63	21.10	3.94	11.30	1.39	8.26	1.41	4.12	0.56
FSN1A	19	20	211.10	517.14	48.33	152.21	20.52	3.94	11.41	1.63	8.38	1.55	4.35	0.66
FSN1A	20	21	216.96	524.51	50.14	160.38	21.57	3.94	12.45	1.79	8.26	1.65	4.35	0.65
FSN1A	21	22	220.48	545.40	51.35	161.54	21.92	4.28	12.91	1.74	8.15	1.51	4.46	0.63
FSN1A	22	23	213.44	536.80	48.57	156.30	20.52	4.28	11.53	1.61	8.26	1.51	4.00	0.57
FSN1A	23	24	216.96	541.71	49.41	169.13	22.15	4.63	11.99	1.56	8.15	1.49	4.23	0.56
FSN1A	24	25	218.14	549.08	50.38	170.29	22.84	4.63	12.45	1.72	8.15	1.49	4.00	0.61
FSN1A	25	26	216.96	547.85	49.05	166.79	22.73	4.75	12.68	1.74	7.80	1.43	3.89	0.58
FSN1A	26	27	227.52	587.16	52.80	183.71	23.54	4.86	12.68	1.71	8.49	1.49	4.35	0.58
FSN1A	27	28	236.90	625.24	55.58	191.29	25.51	5.09	13.72	1.95	8.72	1.58	4.12	0.56
FSN1A	28	29	242.76	652.26	56.66	198.87	26.09	5.44	14.64	1.87	9.18	1.53	4.12	0.58
FSN1A	29	30	243.94	658.41	58.84	196.54	27.02	5.33	14.64	1.79	8.49	1.63	3.77	0.55
FSN1A	30	31	254.49	698.94	60.77	208.20	27.48	5.44	14.06	1.81	8.72	1.48	4.23	0.47
FSN1A	31	32.2	261.53	723.51	62.22	217.53	27.02	5.44	13.60	1.66	8.26	1.44	3.77	0.51
FSN1A	32.2	33	259.18	738.25	60.65	210.53	26.32	5.21	12.79	1.46	7.46	1.20	3.77	0.45
FSN1A	33	34	248.63	676.83	57.75	197.12	25.39	4.63	11.30	1.56	6.66	1.13	3.43	0.43
FSN1A	34	35	260.36	729.65	61.50	202.95	22.26	4.28	9.57	1.22	5.51	1.05	3.09	0.40
FSN1A	35	36	253.32	679.29	57.51	186.62	19.71	3.47	7.95	1.06	5.51	0.92	3.20	0.38
FSN1A	36	37	255.66	710.00	57.51	179.62	16.81	3.24	7.72	0.98	4.71	0.93	2.86	0.37
FSN1A	37	38	146.60	536.80	33.59	105.91	11.94	2.55	4.73	0.74	3.33	0.64	2.06	0.22
FSN1A	38	39	133.70	431.16	29.84	92.61	9.16	2.20	4.61	0.61	3.21	0.54	1.83	0.22
FSN1A	39	40	154.81	456.95	33.22	99.49	11.13	2.20	4.84	0.62	3.33	0.64	2.17	0.25
FSN1A	40	41	157.15	412.73	34.07	104.04	12.06	2.20	5.30	0.67	3.33	0.56	1.72	0.22
FSN1A	41	42	143.08	324.29	29.72	94.71	10.09	2.08	4.73	0.60	2.98	0.52	1.49	0.18

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN1A	42	43	130.18	232.16	25.49	75.58	8.46	1.85	4.03	0.56	2.75	0.47	1.49	0.19
FSN1A	43	44	114.93	187.94	21.38	62.05	6.96	1.62	3.92	0.48	2.87	0.52	1.72	0.15
FSN1A	44	45	127.83	339.03	26.94	96.93	14.61	2.78	6.34	0.76	3.21	0.56	1.49	0.17
FSN1A	45	46	129.01	372.20	28.39	120.72	22.61	5.33	11.07	1.32	4.94	0.66	1.60	0.18
FSN1A	46	47	90.30	255.50	22.59	99.96	20.41	4.63	12.45	1.40	5.28	0.64	1.60	0.16
FSN1A	47	48	91.48	199.00	20.78	111.62	29.80	6.48	16.83	1.93	7.12	0.88	1.72	0.15
FSN1A	48	49	137.21	259.19	26.10	103.46	26.44	6.02	15.45	1.66	5.97	0.76	1.49	0.16
FSN1A	49	50	250.97	410.27	50.02	156.30	27.37	5.91	15.56	1.55	6.31	0.74	1.60	0.16
FSN1A	50	51.2	123.14	314.46	29.12	105.79	19.02	4.63	11.30	1.46	5.97	0.81	2.17	0.16
FSN1A	51.2	52.4	180.61	964.27	59.08	235.61	45.11	11.35	31.24	4.45	20.89	3.64	9.15	1.08
FSN1A	52.4	53.55	769.34	5183.71	287.54	1195.54	265.54	77.23	220.73	35.05	185.35	36.08	101.43	13.65
FSN1A	53.55	54.3	175.92	743.16	57.27	237.94	48.59	13.66	39.42	6.05	32.71	6.70	18.98	2.84
FSN1A	54.3	55	450.34	835.29	136.52	557.53	89.17	21.54	56.02	7.07	34.55	6.54	18.52	2.32
FSN1A	55	56	302.58	438.53	91.94	377.91	59.25	14.36	37.11	4.66	22.27	4.22	11.43	1.42
FSN1A	56	57	154.81	222.33	46.64	180.79	29.80	6.83	18.90	2.19	10.10	1.96	4.92	0.72
FSN1A	57	58	193.51	257.96	56.42	230.94	36.99	8.22	23.05	2.41	12.28	2.27	5.72	0.77
FSN1A	58	59	63.33	82.30	18.00	73.37	12.29	3.13	9.11	1.11	5.28	0.96	2.63	0.38
FSN1A	59	60	343.62	814.41	93.39	373.24	62.62	16.10	42.99	5.15	24.45	4.50	11.78	1.69
FSN1A	60	61	426.89	1633.73	122.02	505.04	99.72	27.67	79.99	11.00	58.19	11.31	31.79	4.53
FSN1A	61	62	533.61	873.37	136.52	568.03	95.08	23.16	68.81	8.21	39.37	7.84	20.01	2.65
FSN1A	62	63	582.87	668.23	140.75	591.36	94.62	21.88	59.94	6.77	30.07	4.89	12.01	1.60
FSN1A	63	64	177.09	239.53	44.58	203.53	32.70	8.22	21.78	2.35	11.48	1.89	4.35	0.48
FSN1A	64	65	90.30	165.83	27.67	130.64	21.80	5.33	13.60	1.52	7.23	1.21	2.86	0.40
FSN1A	65	66	69.19	149.86	20.78	90.74	15.54	3.94	10.26	1.22	5.62	1.02	2.29	0.32
FSN1A	66	67	58.64	111.78	15.71	65.55	10.67	2.66	8.07	0.93	4.48	0.77	1.94	0.22
FSN1A	67	68	110.24	206.37	31.17	140.55	22.73	5.79	16.94	1.93	8.49	1.50	3.32	0.39
FSN1A	68	69	87.96	167.06	25.49	116.52	19.71	5.21	13.72	1.63	7.92	1.31	3.54	0.39
FSN1A	69	70	118.45	239.53	32.74	142.88	24.12	6.02	16.02	2.01	9.87	1.58	3.66	0.43
FSN1A	70	71.1	87.96	169.51	23.56	105.56	16.35	4.40	12.22	1.35	6.54	1.10	2.40	0.26
FSN1A	71.1	72	12.90	25.80	3.75	16.80	3.13	0.93	2.88	0.36	2.07	0.36	0.80	0.09
FSN1A	72	73	49.26	110.55	12.93	57.97	9.86	2.78	7.15	0.94	4.02	0.77	1.60	0.19
FSN1A	73	74	1.76	6.14	0.97	3.50	1.16	0.46	1.84	0.27	1.72	0.24	0.91	0.09
FSN1A	74	75	18.76	60.19	5.92	23.79	3.83	1.16	3.11	0.36	1.95	0.39	1.03	0.11
FSN1A	75	76	46.91	113.01	11.60	48.52	8.46	1.97	5.88	0.72	3.33	0.63	1.37	0.16
FSN1A	76	77	158.32	270.24	43.49	191.87	30.15	7.18	18.79	2.20	9.87	1.57	3.66	0.33
FSN1A	77	78	50.43	73.70	13.53	60.77	9.74	2.08	6.22	0.69	3.67	0.63	1.37	0.17
FSN1A	78	79	24.63	50.36	5.80	21.93	3.94	1.04	3.46	0.51	2.41	0.42	1.03	0.11
FSN1A	79	80	120.80	307.09	28.39	108.24	18.09	4.52	11.99	1.40	6.43	1.09	2.40	0.26
FSN1A	80	81	137.21	346.40	32.26	120.72	20.29	5.09	12.79	1.56	7.00	1.19	2.74	0.32
FSN1A	81	82	26.97	58.96	6.52	25.43	5.57	1.39	4.61	0.53	2.64	0.48	1.14	0.11
FSN1A	82	83	3.52	7.37	1.21	3.73	0.70	0.35	1.15	0.20	1.15	0.24	0.69	0.09
FSN1A	83	83.95	35.18	82.30	7.73	29.63	5.45	1.51	4.73	0.64	3.44	0.64	1.49	0.24
FSN1A	83.95	85	60.98	148.63	14.01	54.47	9.74	2.78	7.95	1.06	5.05	1.05	2.63	0.33
FSN1A	85	86	157.15	375.88	29.24	96.69	12.06	2.78	6.69	0.69	3.33	0.66	1.83	0.19
FSN1A	86	87	335.41	810.72	59.08	199.45	25.28	5.79	13.95	1.61	7.00	1.12	2.74	0.29
FSN1A	87	88	143.08	310.78	28.75	103.69	15.65	4.17	10.60	1.34	5.51	0.99	1.83	0.23
FSN1A	88	89	419.85	954.44	120.57	453.72	57.63	12.62	27.32	2.71	10.44	1.62	3.43	0.32
FSN1A	89	90	704.84	1639.87	192.10	720.83	90.91	19.34	41.49	3.92	14.35	2.07	4.00	0.43
FSN1A	90	91	774.03	1824.13	209.01	782.64	98.91	21.31	45.18	4.26	15.72	2.22	4.12	0.40
FSN1A	91	92	14.07	33.17	3.99	14.00	1.62	0.46	1.27	0.13	0.69	0.16	0.46	0.03
FSN1A	92	93	12.90	38.08	3.75	12.95	1.97	0.58	1.27	0.14	0.57	0.16	0.34	0.03
FSN1A	93	94.2	80.92	149.86	16.91	62.28	10.20	2.66	7.38	0.84	4.25	0.76	1.72	0.18
FSN1A	94.2	95.4	120.80	224.79	25.61	90.98	13.45	4.40	10.03	1.27	5.62	0.95	2.52	0.33
FSN1A	95.4	96.6	117.28	241.99	29.12	100.31	14.26	3.94	7.84	0.87	3.56	0.62	1.60	0.22
FSN1A	96.6	97.6	150.11	325.52	36.37	130.05	16.93	4.40	9.91	1.00	4.48	0.62	1.72	0.22
FSN1A	97.6	98.8	71.54	154.77	17.76	59.37	8.23	2.32	4.61	0.56	2.30	0.41	1.26	0.19

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN1A	98.8	99.95	70.37	130.21	16.07	52.49	6.61	1.74	4.26	0.52	2.07	0.46	1.49	0.19
FSN1A	99.95	101	24.63	56.50	6.40	24.03	3.25	1.04	2.07	0.29	1.49	0.33	1.26	0.16
FSN1A	101	103	138.39	363.60	42.89	146.96	17.74	4.28	8.99	1.01	4.36	0.72	1.83	0.24
FSN1A	103	105	43.39	105.64	12.20	39.77	4.99	1.27	2.65	0.31	1.49	0.37	1.26	0.16
FSN1A	105	108	451.52	981.47	107.28	361.58	47.54	11.58	25.01	2.75	11.48	1.80	4.57	0.50
FSN1A	108	108.95	112.59	250.59	28.39	98.56	13.68	3.47	7.72	0.88	4.02	0.72	1.94	0.27
FSN1A	108.95	111.95	23.46	55.28	6.64	23.33	3.71	1.04	2.42	0.34	1.26	0.31	1.26	0.14
FSN1A	111.95	113	28.15	66.33	7.61	26.01	3.71	1.16	2.54	0.32	1.72	0.37	1.26	0.15
FSN1A	113	114	49.26	120.38	13.65	49.80	6.73	1.85	4.03	0.52	2.52	0.45	1.26	0.19
FSN1A	114	114.7	9.38	19.65	2.30	8.51	1.28	0.35	1.04	0.14	0.92	0.23	0.69	0.13
FSN1A	114.7	116.3	37.53	85.99	9.67	33.01	4.75	1.16	2.65	0.38	1.38	0.34	1.14	0.14
FSN1A	116.3	117.3	449.17	1047.80	124.44	424.56	55.54	14.01	29.05	2.81	11.25	1.70	4.00	0.39
FSN1A	117.3	118.1	69.19	152.32	17.88	58.90	8.46	2.20	4.03	0.52	2.30	0.41	1.26	0.14
FSN1A	118.1	119	22.28	51.59	5.80	20.41	3.01	0.69	1.84	0.18	0.92	0.25	0.69	0.13
FSN1A	119	120.1	11.73	27.02	3.26	11.20	1.51	0.35	1.04	0.13	0.80	0.19	0.46	0.03
FSN30A	0	1.2	146.60	616.64	31.41	104.16	16.35	3.71	10.95	1.83	9.87	1.80	5.03	0.75
FSN30A	1.2	2.4	166.53	762.82	33.35	118.97	18.32	3.47	10.37	1.82	10.56	1.97	5.60	0.66
FSN30A	2.4	3.6	186.47	826.69	38.90	125.97	18.90	4.17	12.56	1.81	10.21	1.96	5.83	0.79
FSN30A	3.6	4.8	267.39	824.23	57.03	188.95	28.18	6.02	17.52	2.36	12.74	2.20	5.60	0.82
FSN30A	4.8	6	318.99	878.28	68.62	230.94	33.51	7.06	19.13	2.53	13.08	2.07	5.26	0.71
FSN30A	6	7	355.35	947.07	78.53	260.10	37.34	7.99	21.90	2.80	13.20	2.13	5.60	0.72
FSN30A	7	8	349.49	950.76	77.32	251.94	37.34	7.64	20.29	2.75	13.31	2.17	5.37	0.72
FSN30A	8	9	392.88	1133.78	85.42	264.77	35.71	7.41	20.17	2.52	12.40	2.06	4.80	0.67
FSN30A	9	10	417.51	1192.75	86.87	261.27	30.26	6.37	15.68	2.14	10.33	1.65	4.12	0.58
FSN30A	10	11.1	382.32	1106.76	81.55	233.28	23.08	4.86	10.60	1.46	6.89	1.12	2.97	0.37
FSN30A	11.1	12.3	406.95	1019.55	89.40	258.94	24.23	4.75	10.83	1.39	6.77	1.17	2.63	0.37
FSN30A	12.3	13.4	391.71	830.38	85.90	250.77	24.35	4.52	10.49	1.34	6.08	0.94	2.40	0.33
FSN30A	13.4	14.6	401.09	780.01	82.03	235.61	25.74	4.98	10.95	1.21	5.97	0.95	2.29	0.30
FSN30A	14.6	15.3	538.30	934.79	90.13	257.77	25.05	5.09	10.95	1.36	6.31	0.87	2.29	0.29
FSN30A	15.3	16	512.50	863.54	84.09	236.78	23.89	4.63	10.03	1.32	6.20	0.97	2.52	0.31
FSN30A	16	16.8	749.40	1147.30	107.28	283.43	25.97	5.33	11.76	1.55	7.57	1.29	2.97	0.39
FSN30A	16.8	17.6	660.27	949.53	96.17	253.11	25.28	5.09	11.76	1.51	6.89	1.08	2.52	0.32
FSN30A	17.6	18.2	462.07	728.42	71.76	187.79	20.18	4.17	9.45	1.12	5.62	0.89	2.17	0.26
FSN30A	18.2	19	655.58	875.83	94.12	247.27	25.97	5.44	12.22	1.67	7.57	1.17	2.97	0.42
FSN30A	19	20	817.42	1131.33	113.08	305.59	33.63	7.64	19.83	2.34	10.67	1.52	3.54	0.38
FSN30A	20	21	899.52	1388.06	123.23	325.42	36.29	7.87	20.06	2.39	11.02	1.66	3.32	0.32
FSN30A	21	22	1477.69	2039.09	182.43	417.57	36.76	7.76	20.40	2.28	10.56	1.53	3.32	0.27
FSN30A	22	23	1260.73	1885.54	144.98	330.09	26.90	5.91	15.56	1.76	7.92	1.29	2.74	0.27
FSN30A	23	24	989.82	1498.61	115.62	272.93	24.35	5.21	13.60	1.66	7.69	1.20	2.29	0.29
FSN30A	24	25	1075.43	2223.35	180.62	506.21	57.86	12.51	26.86	3.01	12.28	1.68	3.32	0.33
FSN30A	25	26	2240.00	4606.38	440.98	1300.52	157.70	35.32	74.57	8.19	33.05	3.99	7.78	0.75
FSN30A	26	27	1524.60	3279.74	303.25	915.61	115.96	25.82	61.09	6.88	27.20	3.34	5.72	0.58
FSN30A	27	28	469.11	1112.90	86.02	253.11	30.38	7.53	17.87	2.00	8.72	1.15	2.06	0.22
FSN30A	28	29	21.11	77.39	5.56	21.58	3.48	0.93	2.42	0.29	1.49	0.24	0.46	0.07
FSN30A	29	30	526.58	921.28	83.60	248.44	28.18	6.14	15.21	1.55	6.77	0.92	1.83	0.22
FSN30A	30	31	262.70	411.50	41.80	127.14	15.77	3.82	9.80	1.18	4.82	0.68	1.49	0.15
FSN30A	31	32	262.70	356.23	48.33	146.96	19.94	4.63	12.22	1.25	5.28	0.63	1.03	0.10
FSN30A	32	33	195.85	547.85	32.38	96.11	13.10	3.13	8.53	1.01	4.94	0.72	1.72	0.19
FSN30A	33	34	102.03	549.08	19.93	63.68	8.46	2.43	5.07	0.72	3.21	0.48	1.14	0.11
FSN30A	34	35	98.51	819.32	22.96	78.26	12.29	3.13	8.53	1.39	8.49	1.56	4.00	0.65
FSN30A	35	36.1	416.33	1110.44	79.62	250.77	32.12	9.26	25.24	3.27	15.26	2.28	4.80	0.58
FSN30A	36.1	37.25	220.48	330.43	40.84	126.55	18.90	6.25	17.40	2.71	14.35	2.47	5.49	0.65
FSN30A	37.25	38	846.74	1492.47	149.81	436.23	51.02	13.43	29.05	3.48	15.72	2.44	4.69	0.53
FSN30A	38	39	1196.23	2419.88	230.76	673.00	73.40	18.06	38.04	4.66	19.40	2.99	5.95	0.67
FSN30A	39	40	550.03	1504.75	106.80	314.92	38.61	10.07	22.82	2.75	11.48	1.84	3.66	0.43
FSN30A	40	41	1266.59	2407.60	223.51	659.01	77.46	19.92	45.64	5.72	25.13	4.02	8.00	0.87

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN30A	41	42	1120.00	2505.87	210.22	617.02	69.23	16.79	35.27	4.40	18.48	2.69	4.92	0.54
FSN30A	42	43	887.79	2272.48	188.47	577.36	63.78	15.40	34.12	4.13	16.64	2.60	5.15	0.53
FSN30A	43	44	2011.31	3574.55	403.53	1218.87	136.83	36.01	78.84	9.47	41.78	6.28	11.89	1.24
FSN30A	44	45	446.83	840.20	95.44	296.26	33.74	9.15	21.55	2.65	11.48	1.81	3.32	0.35
FSN30A	45	46	924.15	1738.14	181.22	566.86	67.95	17.48	41.49	5.07	21.35	3.23	6.06	0.62
FSN30A	46	46.95	758.78	1153.44	138.94	454.89	54.15	13.32	31.35	3.54	16.99	2.28	4.12	0.41
FSN30A	46.95	48	163.02	335.34	37.45	135.88	17.74	4.17	11.64	1.16	7.00	1.03	2.17	0.19
FSN30A	48	49	141.91	289.89	38.30	150.46	22.96	5.44	15.21	1.93	11.25	1.86	4.46	0.38
FSN30A	49	50	329.55	442.21	77.93	292.76	44.76	11.58	34.46	4.90	29.04	5.83	15.78	1.93
FSN30A	50	51	131.35	212.51	34.19	130.05	18.32	4.40	11.76	1.45	7.35	1.11	2.86	0.23
FSN30A	51	52	104.38	342.71	32.62	126.55	19.48	4.63	11.41	1.52	7.57	1.18	2.86	0.24
FSN30A	52	53	123.14	249.36	34.92	131.80	21.45	4.98	12.91	1.47	8.26	1.43	3.32	0.26
FSN30A	53	54	315.48	508.54	85.30	313.76	44.64	10.65	25.70	2.85	15.72	2.51	5.49	0.55
FSN30A	54	55	374.11	530.65	91.82	351.08	53.69	11.46	30.54	3.79	20.54	3.41	8.23	0.94
FSN30A	55	56	482.01	792.30	132.29	505.04	75.49	18.18	45.07	5.74	28.69	4.78	11.09	1.27
FSN30A	56	57	564.10	1201.34	155.85	606.52	91.26	21.31	54.17	6.90	36.04	5.84	13.49	1.40
FSN30A	57	58	440.96	813.18	120.45	478.22	66.33	16.56	42.65	5.33	27.66	4.42	10.29	1.12
FSN30A	58	59	479.66	1184.15	135.31	513.21	76.65	18.87	45.41	5.75	29.04	4.35	9.83	1.11
FSN30A	59	60	382.32	600.67	87.47	306.76	44.64	10.65	26.05	3.38	16.30	2.17	4.35	0.46
FSN30A	60	61	267.39	472.92	66.69	241.44	34.32	8.34	20.98	2.62	13.43	1.67	3.43	0.25
FSN30A	61	62	282.64	515.91	66.09	231.53	35.71	8.45	19.83	2.49	12.17	1.59	3.20	0.27
FSN30A	62	63	300.23	488.89	73.70	276.43	41.63	9.26	24.55	3.08	15.84	2.28	5.95	0.61
FSN30A	63	64	123.14	255.50	31.05	125.97	21.10	4.98	12.45	1.58	7.46	1.10	2.29	0.18
FSN30A	64	65	94.99	227.25	24.04	96.23	14.38	3.59	8.53	1.18	6.08	0.85	2.29	0.17
FSN30A	65	66	324.86	581.02	75.03	281.10	37.69	9.15	22.82	2.75	13.43	1.90	4.23	0.35
FSN30A	66	67	175.92	282.52	39.75	139.97	20.29	4.98	10.83	1.46	6.08	1.02	1.94	0.10
FSN30A	67	68	75.06	143.72	17.28	64.27	10.32	2.32	5.88	0.71	4.25	0.64	1.37	0.08
FSN30A	68	69	45.74	88.44	9.67	35.11	4.64	1.04	2.54	0.26	1.61	0.21	0.34	0.03
FSN30A	69	70	97.34	175.66	22.47	83.51	12.06	3.01	7.61	0.96	4.71	0.66	1.37	0.09
FSN30A	70	71	93.82	266.56	21.38	75.70	10.32	3.24	7.72	1.26	4.48	0.73	1.49	0.19
FSN30A	71	72	227.52	495.03	67.90	250.77	43.37	11.81	31.12	4.47	22.04	3.48	7.32	0.79
FSN30A	72	73	130.18	293.58	33.10	112.67	16.58	4.40	9.80	1.36	6.54	0.95	2.40	0.27
FSN30A	73	74	213.44	353.77	49.41	166.79	24.81	6.83	16.48	2.28	10.90	1.74	3.32	0.32
FSN30A	74	75	798.66	1394.20	189.08	608.85	84.07	23.85	55.10	6.97	28.69	3.61	7.20	0.67
FSN30A	75	75.7	645.03	1159.58	164.91	557.53	82.68	22.70	54.52	7.05	30.07	4.44	8.00	0.81
FSN30A	75.7	76.4	519.54	685.43	108.73	381.41	58.56	16.21	44.49	5.52	25.94	3.91	9.83	1.03
FSN30A	76.4	77	630.95	961.81	104.39	326.59	49.28	14.13	36.19	4.72	21.58	3.54	9.49	1.32
FSN30A	77	78	372.94	568.73	61.13	191.29	27.83	8.45	20.17	2.65	12.05	2.04	5.03	0.64
FSN30A	78	79	317.82	437.30	56.18	182.54	25.63	7.76	20.17	2.49	12.05	2.02	4.92	0.67
FSN30A	79	80	248.63	305.86	48.81	172.04	24.47	6.95	19.94	2.46	12.40	1.99	5.26	0.63
FSN30A	80	81	405.78	897.94	91.94	293.93	32.12	7.64	16.83	2.29	8.72	1.32	2.86	0.29
FSN30A	81	82.2	2304.50	5196.00	521.93	1568.79	151.32	31.38	64.55	8.10	29.27	3.75	7.20	0.72
FSN30A	82.2	83.4	803.35	1830.27	168.54	503.88	55.89	12.27	28.12	3.68	14.12	1.94	4.00	0.39
FSN30A	83.4	84	105.55	212.51	19.69	61.70	7.07	1.62	4.38	0.59	2.41	0.40	0.80	0.09
FSN30A	84	85	124.31	261.64	23.32	74.42	9.16	3.01	7.49	1.28	5.85	1.10	3.09	0.38
FSN30A	85	86	76.23	146.18	13.53	46.19	7.31	2.32	6.45	1.07	5.28	1.01	2.74	0.40
FSN30A	86	87.2	185.30	320.60	31.05	95.41	11.02	3.01	7.95	1.04	4.94	0.79	1.83	0.26
FSN30A	87.2	88.4	113.76	199.00	17.64	49.45	5.22	1.39	3.57	0.42	1.72	0.27	0.80	0.06
FSN30A	88.4	89.6	41.05	81.07	8.34	23.91	3.59	0.69	1.96	0.29	1.15	0.19	0.46	0.03
FSN30A	89.6	90.8	168.88	296.04	35.76	110.34	15.65	4.28	10.49	1.59	7.80	1.13	2.40	0.27
FSN30A	90.8	92	358.87	675.60	63.55	192.45	22.73	5.67	12.68	1.62	7.46	1.10	2.40	0.25
FSN30A	92	93.1	313.13	698.94	65.84	200.03	24.00	5.21	12.68	1.61	7.35	1.01	2.52	0.29
FSN30A	93.1	94.3	379.98	804.58	77.32	236.78	28.64	6.72	16.83	2.02	8.15	1.27	2.74	0.27
FSN30A	94.3	95.5	466.76	1127.64	103.18	300.93	36.76	8.92	19.59	2.48	10.67	1.57	3.20	0.38
FSN30A	95.5	96.7	761.13	1621.45	151.62	444.39	47.31	11.46	25.82	3.08	13.77	2.17	4.46	0.39
FSN30A	96.7	97.9	66.85	124.07	11.96	36.04	4.87	1.16	2.42	0.36	1.95	0.22	0.91	0.09

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN30A	97.9	99.1	120.80	210.05	23.32	74.42	10.20	2.55	5.99	0.84	4.13	0.54	1.60	0.15
FSN30A	99.1	100.3	41.05	83.53	8.46	25.54	3.13	0.69	2.07	0.34	1.61	0.18	0.57	0.03
FSN30A	100.3	101.5	100.86	170.74	19.09	59.95	7.89	2.08	4.26	0.59	2.98	0.40	1.26	0.09
FSN30A	101.5	102.6	167.71	307.09	31.05	95.99	11.25	2.89	6.92	0.86	4.02	0.57	1.49	0.15
FSN30A	102.6	103.6	450.34	1010.95	103.42	340.58	46.15	11.58	28.01	3.25	14.00	2.17	5.03	0.50
FSN30A	103.6	104.6	301.40	698.94	69.71	230.94	31.77	7.99	19.13	2.16	10.10	1.55	3.43	0.41
FSN30A	104.6	105.6	199.37	405.36	40.72	131.22	17.74	4.40	10.83	1.25	6.43	0.95	2.74	0.27
FSN30A	105.6	106.8	159.50	308.32	31.05	94.13	11.94	3.13	7.15	0.89	4.25	0.65	1.72	0.15
FSN30A	106.8	108	510.16	1184.15	128.07	419.90	57.86	14.82	34.46	4.16	19.17	2.98	6.75	0.74
FSN30A	108	109	106.72	237.08	25.85	80.13	11.94	3.01	7.72	0.94	4.48	0.66	1.83	0.23
FSN30A	109	110	93.82	235.85	20.54	64.03	8.70	2.32	5.65	0.76	4.02	0.61	1.60	0.21
FSN30A	110	110.8	99.69	224.79	21.51	67.77	8.93	2.43	6.11	0.69	3.67	0.61	1.49	0.16
FSN30A	110.8	111.8	56.29	100.73	10.03	30.68	3.94	0.93	2.07	0.28	1.49	0.18	0.80	0.03
FSN30A	111.8	113	232.21	437.30	41.44	124.80	14.15	3.71	7.84	0.91	4.25	0.68	1.49	0.17
FSN30A	113	114	100.86	230.93	24.77	80.01	11.48	2.89	7.03	0.92	4.25	0.71	1.72	0.19
FSN30A	114	115	127.83	296.04	33.95	111.16	16.00	3.94	9.57	1.14	5.62	0.88	2.06	0.24
FSN30A	115	116	103.20	248.13	27.67	89.11	12.99	3.36	7.38	0.89	4.94	0.64	1.72	0.19
FSN30A	116	117	109.07	284.98	32.50	107.66	15.77	3.94	9.34	1.20	5.51	0.84	2.06	0.23
FSN30A	117	118	131.35	310.78	33.95	111.86	16.47	4.28	10.03	1.22	5.85	0.90	2.40	0.25
FSN30A	118	119	150.11	318.15	34.92	118.97	18.79	5.67	14.06	1.99	9.53	1.50	3.66	0.41
FSN30A	119	120	292.02	783.70	90.25	313.76	45.80	11.46	27.78	3.38	15.26	2.34	5.72	0.65
FSN30A	120	121	263.87	671.92	77.08	264.77	38.73	10.42	24.09	2.95	13.66	2.15	5.15	0.59
FSN30A	121	122	104.38	208.82	21.63	67.42	9.39	2.20	5.88	0.74	3.79	0.54	1.60	0.16
FSN30A	122	123	127.83	233.39	24.53	73.83	9.74	2.43	6.11	0.81	3.90	0.54	1.72	0.15
FSN30A	123	124	157.15	326.75	34.19	111.51	16.70	4.86	13.14	1.91	8.72	1.45	3.09	0.34
FSN30A	124	125	240.42	508.54	50.38	151.05	19.71	5.79	14.06	1.94	9.53	1.56	3.43	0.35
FSN30A	125	126	96.17	200.22	21.63	69.63	10.44	2.89	8.30	1.32	6.31	1.07	2.29	0.29
FSN30A	126	127	39.87	81.07	8.82	30.21	4.64	1.27	2.88	0.41	2.30	0.36	0.80	0.13
FSN30A	127	128	300.23	641.21	73.58	260.10	43.37	12.74	32.73	4.59	24.10	4.09	8.46	0.85
FSN30A	128	129	197.03	399.22	41.44	136.47	20.18	5.09	11.87	1.49	6.31	0.99	2.40	0.26
FSN30A	129	130	104.38	208.82	21.75	70.80	10.67	3.01	7.03	0.95	5.16	0.90	2.29	0.41
FSN30A	130	131	71.54	138.81	14.38	47.71	6.84	1.97	4.84	0.75	4.13	0.84	2.40	0.33
FSN30A	131	132	65.68	137.58	14.74	49.10	6.73	1.85	4.50	0.60	2.87	0.49	1.14	0.11
FSN30A	132	133	31.66	56.50	6.28	17.03	2.78	0.69	1.84	0.25	1.03	0.19	0.57	0.08
FSN30A	133	134	45.74	87.21	9.42	30.56	4.41	1.16	2.65	0.38	1.49	0.32	0.69	0.09
FSN30A	134	135	205.24	406.59	43.01	131.80	18.90	4.52	10.60	1.23	5.74	0.94	2.40	0.26
FSN30A	135	136	35.18	68.79	7.49	23.33	3.48	0.81	1.96	0.26	1.38	0.27	0.57	0.03
FSN9A	0	1	58.64	181.80	13.41	42.22	6.49	1.62	5.76	1.08	6.66	1.37	4.46	0.67
FSN9A	1	2	48.08	164.60	10.51	30.79	5.80	1.16	4.84	0.89	5.97	1.36	5.15	0.71
FSN9A	2	3	49.26	171.97	10.15	33.48	5.22	1.39	4.84	1.00	6.77	1.55	4.80	0.64
FSN9A	3	4	48.08	192.85	9.54	30.91	5.22	1.16	4.73	0.98	6.20	1.55	4.92	0.70
FSN9A	4	5	56.29	248.13	12.32	41.17	6.15	1.51	5.65	0.94	7.00	1.33	4.57	0.63
FSN9A	5	6	53.95	248.13	10.99	34.76	5.10	1.04	4.73	0.91	6.20	1.35	3.89	0.65
FSN9A	6	7	80.92	253.04	16.43	52.25	8.00	1.85	5.88	1.05	6.54	1.36	4.23	0.65
FSN9A	7	8	87.96	229.70	18.12	55.75	8.46	2.08	5.19	0.94	6.31	1.21	3.54	0.56
FSN9A	8	9	104.38	230.93	21.38	66.95	10.78	2.08	5.88	0.93	6.66	1.18	3.43	0.55
FSN9A	9	10	119.62	262.87	24.77	74.65	10.55	2.43	6.92	1.08	6.66	1.32	3.89	0.58
FSN9A	10	11	140.73	282.52	28.63	87.36	13.45	2.78	7.26	1.04	7.35	1.42	3.77	0.55
FSN9A	11	12	144.25	297.27	29.12	91.44	13.80	2.78	7.72	1.14	7.23	1.43	4.46	0.61
FSN9A	12	13	107.90	269.01	21.87	66.83	10.32	2.08	5.65	0.99	6.66	1.18	3.54	0.56
FSN9A	13	14	114.93	314.46	23.44	69.87	10.55	2.20	5.42	0.85	5.62	1.07	2.74	0.53
FSN9A	14	15	119.62	269.01	22.23	67.65	9.51	1.97	5.42	0.66	4.25	0.81	2.29	0.34
FSN9A	15	16	111.41	256.73	21.38	65.43	9.16	1.85	4.50	0.61	3.79	0.72	2.06	0.31
FSN9A	16	17	91.48	208.82	17.16	48.17	7.07	1.27	4.15	0.54	3.21	0.62	2.06	0.24
FSN9A	17	18	98.51	230.93	16.55	51.67	5.91	1.16	3.34	0.47	2.98	0.47	1.60	0.24
FSN9A	18	19	76.23	194.08	13.53	38.37	4.64	1.04	3.00	0.44	2.30	0.47	1.37	0.17

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN9A	19	20	44.57	119.15	8.58	24.26	3.48	0.69	1.96	0.26	1.38	0.24	0.69	0.15
FSN9A	20	21	29.32	122.84	5.68	19.60	2.55	0.81	1.61	0.31	1.49	0.25	0.57	0.09
FSN9A	21	22	26.97	240.76	6.16	20.18	3.71	0.93	2.42	0.36	1.95	0.32	0.91	0.09
FSN9A	22	23	30.49	261.64	6.64	22.63	4.64	1.16	3.11	0.51	2.41	0.44	0.91	0.13
FSN9A	23	24	39.87	234.62	8.82	29.63	4.17	1.39	3.00	0.49	2.75	0.48	1.37	0.23
FSN9A	24	25	32.84	241.99	7.13	22.63	4.29	1.04	2.54	0.39	2.30	0.40	1.14	0.15
FSN9A	25	26	16.42	98.27	3.62	12.95	1.97	0.58	1.61	0.19	1.38	0.21	0.46	0.07
FSN9A	26	27	15.25	56.50	3.26	11.78	1.74	0.46	1.15	0.14	1.15	0.15	0.34	0.03
FSN9A	27	28	10.55	35.62	2.17	7.11	1.16	0.35	0.69	0.07	0.92	0.10	0.23	0.03
FSN9A	28	29	10.55	35.62	2.05	7.00	1.16	0.35	0.69	0.11	1.03	0.10	0.23	0.03
FSN9A	29	30	5.86	17.20	1.33	4.67	0.70	0.12	0.46	0.06	0.69	0.03	0.11	0.03
FSN9A	30	31	5.86	14.74	1.33	4.67	0.81	0.23	0.46	0.03	0.57	0.03	0.11	0.03
FSN9A	31	32	7.04	54.05	1.93	6.07	1.04	0.23	0.58	0.09	0.69	0.07	0.23	0.03
FSN9A	32	33	44.57	945.84	10.39	36.51	6.15	1.27	3.57	0.51	2.98	0.47	1.26	0.13
FSN9A	33	34	5.86	94.58	1.81	6.18	1.04	0.23	0.69	0.11	0.92	0.10	0.23	0.03
FSN9A	34	35	3.52	18.43	1.09	4.08	0.70	0.12	0.35	0.07	0.69	0.06	0.23	0.03
FSN9A	35	36	4.69	20.88	1.33	4.32	0.70	0.23	0.58	0.08	0.69	0.08	0.23	0.03
FSN9A	36	37	4.69	14.74	1.33	4.55	0.81	0.23	0.69	0.08	0.92	0.09	0.34	0.03
FSN9A	37	38	4.69	12.28	1.21	4.67	0.58	0.12	0.58	0.12	0.80	0.11	0.23	0.03
FSN9A	38	39	31.66	465.55	6.89	23.33	3.94	0.93	3.00	0.42	2.98	0.46	1.26	0.16
FSN9A	39	40	36.36	455.72	9.06	33.48	6.49	1.62	4.84	0.72	4.59	0.70	1.72	0.23
FSN9A	40	41	14.07	149.86	4.35	17.03	3.25	0.69	1.96	0.26	1.95	0.24	0.57	0.08
FSN9A	41	42	14.07	217.42	4.47	16.91	3.25	0.81	1.96	0.31	1.84	0.24	0.57	0.06
FSN9A	42	43	8.21	71.25	1.93	6.77	1.16	0.23	0.81	0.14	1.03	0.11	0.23	0.03
FSN9A	43	44	3.52	66.33	0.97	3.97	0.81	0.23	0.35	0.03	0.69	0.06	0.11	0.03
FSN9A	44	45	10.55	178.11	2.78	9.80	1.86	0.35	1.04	0.12	1.03	0.10	0.23	0.03
FSN9A	45	46	22.28	186.71	5.44	18.66	4.17	0.81	1.84	0.34	2.30	0.32	0.91	0.14
FSN9A	46	47	65.68	81.07	7.61	19.13	2.44	0.69	1.84	0.32	2.64	0.39	1.26	0.17
FSN9A	47	48	22.28	90.90	3.14	9.21	1.39	0.35	0.92	0.14	1.15	0.13	0.34	0.03
FSN9A	48	49	23.46	192.85	5.20	19.60	3.71	1.04	2.65	0.45	2.64	0.33	0.91	0.11
FSN9A	49	50	4.69	33.17	1.33	5.13	1.04	0.23	0.58	0.09	1.03	0.10	0.34	0.03
FSN9A	50	51	8.21	33.17	1.93	6.42	1.28	0.35	0.92	0.16	1.26	0.18	0.34	0.06
FSN9A	51	52	9.38	101.95	2.30	8.98	1.86	0.46	1.38	0.22	1.61	0.25	0.57	0.07
FSN9A	52	53	36.36	74.93	7.61	28.69	4.75	1.16	3.69	0.45	2.64	0.38	0.91	0.10
FSN9A	53	54	125.49	175.66	24.16	90.28	15.07	3.24	10.60	1.22	6.31	0.90	2.29	0.27
FSN9A	54	55	68.02	109.32	12.69	46.42	7.19	1.74	5.76	0.67	3.33	0.48	1.26	0.14
FSN9A	55	56	10.55	87.21	3.14	11.55	2.09	0.46	1.50	0.15	1.38	0.17	0.57	0.06
FSN9A	56	57	9.38	90.90	2.66	10.15	1.74	0.46	1.15	0.14	1.15	0.15	0.57	0.03
FSN9A	57	57.8	5.86	72.47	1.81	7.46	1.39	0.35	1.04	0.16	1.38	0.17	0.46	0.06
FSN9A	57.8	59	480.84	1320.50	124.44	424.56	58.21	13.66	35.62	4.01	18.13	2.78	5.95	0.59
FSN9A	59	60	199.37	447.13	52.31	174.37	25.28	5.56	14.75	1.83	6.77	1.11	2.40	0.32
FSN9A	60	60.8	390.53	764.04	122.02	438.56	60.65	14.47	37.11	4.09	18.71	2.89	5.60	0.66
FSN9A	60.8	61.5	837.36	1461.76	218.68	754.65	100.19	23.85	59.59	7.05	29.04	4.07	8.58	0.93
FSN9A	61.5	62.2	212.27	461.87	42.89	144.05	20.52	4.86	10.83	1.48	6.54	1.10	2.63	0.34
FSN9A	62.2	63	45.74	396.76	13.41	47.82	7.77	2.08	4.96	0.66	3.21	0.54	1.49	0.22
FSN9A	63	64	30.49	201.45	8.70	31.14	5.22	1.04	3.11	0.46	1.84	0.33	1.14	0.11
FSN9A	64	65	103.20	239.53	26.70	95.64	14.15	3.13	8.76	1.14	3.67	0.60	1.49	0.16
FSN9A	65	66	442.14	878.28	113.81	400.07	55.20	12.97	32.62	3.80	15.95	2.33	5.26	0.57
FSN9A	66	67	49.26	345.17	15.22	52.95	8.35	2.32	5.76	0.80	4.02	0.64	1.72	0.18
FSN9A	67	68	22.28	98.27	8.22	30.21	5.68	1.51	3.80	0.49	3.10	0.49	1.26	0.13
FSN9A	68	69	207.58	481.52	57.51	193.62	26.55	6.25	14.52	1.60	6.66	1.02	1.94	0.22
FSN9A	69	70	90.30	335.34	24.89	83.28	14.38	3.01	7.03	0.80	3.79	0.58	1.49	0.16
FSN9A	70	71	24.63	202.68	7.97	27.99	5.10	1.16	2.77	0.36	2.07	0.33	0.69	0.10
FSN9A	71	72	100.86	120.38	31.17	105.21	15.31	3.01	6.11	0.76	3.21	0.52	1.26	0.15
FSN9A	72	73	186.47	122.84	57.27	191.87	25.97	5.09	10.83	1.22	5.05	0.73	1.60	0.19
FSN9A	73	74	175.92	93.36	56.18	188.95	26.32	4.98	10.03	1.15	4.48	0.66	1.26	0.18

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
FSN9A	74	75	89.13	68.79	27.67	97.51	13.80	3.01	6.22	0.80	3.21	0.50	1.03	0.18
FSN9A	75	76	311.96	203.91	80.46	279.93	38.73	7.76	18.56	2.02	8.15	1.20	2.63	0.30
FSN9A	76	77	23.46	55.28	8.70	32.78	6.61	1.51	3.80	0.49	2.30	0.36	0.91	0.14
FSN9A	77	78	117.28	111.78	34.31	118.97	18.21	3.82	9.11	1.04	4.48	0.73	1.49	0.17
FSN9A	78	79	401.09	223.56	112.00	393.07	55.31	11.23	26.28	2.87	11.59	1.65	3.20	0.47
FSN9A	79	80	555.89	184.26	152.23	529.54	71.78	14.47	34.92	3.67	13.89	2.11	4.12	0.45
FSN9A	80	81	1093.02	519.60	288.75	1018.25	134.51	28.37	69.39	7.12	28.58	4.03	8.00	0.89
FSN9A	81	82	1069.57	459.41	276.67	969.27	131.61	27.33	67.43	6.90	27.09	3.77	7.66	0.95
FSN9A	82	83	982.78	442.21	257.34	908.61	122.91	25.82	62.01	6.29	25.48	3.76	7.20	0.82
FSN9A	83	84	636.82	329.20	157.67	556.37	76.30	15.98	39.77	4.06	16.18	2.42	5.26	0.59
FSN9A	84	85	367.08	100.73	105.83	365.08	50.91	10.19	23.05	2.29	9.53	1.42	2.97	0.34
FSN9A	85	86	211.10	93.36	60.41	206.45	28.99	6.02	12.79	1.28	5.28	0.74	1.60	0.21
FSN9A	86	87	331.89	382.02	82.15	291.60	39.77	8.45	20.29	1.99	8.38	1.29	2.63	0.30
FSN9A	87	88	415.16	679.29	101.85	352.25	48.47	10.19	23.51	2.33	9.76	1.42	2.97	0.31
FSN9A	88	89	161.84	308.32	44.46	151.05	20.87	4.28	10.03	1.05	4.02	0.55	1.14	0.13
FSN9A	89	90	140.73	271.47	38.78	135.88	18.09	3.82	8.88	0.88	3.56	0.52	1.14	0.08
FSN9A	90	91	118.45	230.93	31.77	111.39	15.31	3.13	7.38	0.79	2.87	0.46	0.91	0.07
FSN9A	91	92	770.51	1332.78	148.60	467.72	60.65	12.39	26.86	2.33	8.26	1.03	1.83	0.19
FSN9A	92	93	103.20	162.14	24.28	87.60	13.22	3.24	7.72	0.89	4.02	0.63	1.60	0.17
FSN9A	93	94	234.55	335.34	42.04	134.13	17.86	4.28	10.95	1.04	4.25	0.65	1.26	0.13
FSN9A	94	95	144.25	195.31	25.61	83.28	11.48	2.89	7.15	0.79	2.98	0.55	1.03	0.10
FSN9A	95	96	41.05	60.19	10.03	35.92	5.33	1.39	3.46	0.41	2.18	0.37	0.91	0.06
FSN9A	96	97	124.31	241.99	30.20	102.99	15.77	3.59	9.34	1.00	4.36	0.72	1.49	0.13
FSN9A	97	98	60.98	130.21	16.19	58.09	8.23	2.20	5.19	0.59	2.64	0.40	0.80	0.10
FSN9A	98	99	22.28	35.62	5.20	19.60	2.32	0.93	1.96	0.24	1.38	0.21	0.34	0.03
FSN9A	99	100	175.92	339.03	38.42	130.05	17.97	4.75	10.37	1.32	5.39	0.80	1.37	0.15
FSN9A	100	101	41.05	120.38	9.30	34.06	4.41	1.16	2.77	0.40	1.72	0.25	0.57	0.07
FSN9A	101	102	177.09	348.86	41.08	149.88	19.48	5.21	12.22	1.34	6.08	0.84	1.94	0.25
FSN9A	102	103	5.86	12.28	1.57	6.42	1.28	0.46	1.27	0.20	0.92	0.16	0.34	0.06
FSN9A	103	104	38.70	72.47	8.22	28.81	4.29	1.39	3.23	0.42	1.72	0.31	0.57	0.08
FSN9A	104	105.1	93.82	218.65	24.40	89.11	12.52	2.89	6.69	0.73	3.10	0.47	1.03	0.14
FSN9A	105.1	106.3	70.37	162.14	17.88	61.47	7.77	1.85	4.26	0.47	1.84	0.38	0.69	0.03
FSN9A	106.3	107	12.90	23.34	2.66	10.03	1.16	0.35	0.81	0.09	0.46	0.03	0.11	0.03
FSN9A	107	108	3.52	4.91	0.60	1.98	0.35	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	108	109	77.40	176.88	20.18	73.25	8.46	1.85	3.92	0.38	1.15	0.15	0.11	0.03
FSN9A	109	110	4.69	7.37	0.85	3.15	0.46	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	110	111	3.52	3.69	0.48	1.87	0.23	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	111	111.7	3.52	6.14	0.60	2.10	0.23	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	111.7	112.7	192.33	345.17	35.40	120.14	19.02	5.44	13.49	1.81	8.26	1.37	2.86	0.32
FSN9A	119.1	119.8	17.59	39.31	4.23	14.00	1.97	0.58	1.27	0.16	0.69	0.10	0.11	0.03
FSN9A	119.8	120.55	8.21	17.20	1.93	5.02	0.81	0.23	0.46	0.03	0.17	0.03	0.11	0.03
FSN9A	120.55	121.3	1.76	3.69	0.48	1.63	0.23	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	121.3	122	4.69	8.60	0.72	3.03	0.46	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	122	123.1	1.76	4.91	0.48	1.63	0.23	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	123.1	124.3	10.55	24.57	2.66	9.80	1.39	0.35	1.04	0.14	1.15	0.13	0.34	0.03
FSN9A	124.3	125.45	1.76	1.84	0.24	0.93	0.12	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	125.45	126.2	1.76	6.14	0.72	2.22	0.23	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	126.2	127	4.69	11.06	1.33	4.43	0.70	0.12	0.17	0.03	0.17	0.03	0.11	0.03
FSN9A	127	128	42.22	89.67	10.03	33.13	5.80	1.39	3.23	0.28	0.92	0.15	0.23	0.03
FSN9A	128	129	21.11	60.19	7.13	25.78	3.01	0.58	1.27	0.12	0.34	0.03	0.11	0.03
FSN9A	129	130	29.32	31.94	2.90	9.68	2.32	0.81	2.65	0.44	2.30	0.56	1.37	0.19
FSN9A	130	130.85	15.25	41.76	5.07	19.36	2.44	0.35	1.27	0.12	0.17	0.03	0.11	0.03
L179	50	51	809.21	1529.32	205.99	734.82	94.62	22.93	55.10	6.26	26.63	4.00	8.80	1.15
L179	51	52	1753.30	3267.46	433.73	1533.80	197.13	48.52	106.04	11.82	44.30	5.58	11.32	1.20
L179	52	53	3014.03	7198.24	814.30	2869.31	380.34	88.93	182.11	20.35	71.62	8.35	15.78	1.50
L179	53	54	1823.66	4581.81	476.02	1714.59	226.12	53.84	110.31	12.64	45.33	5.40	10.75	1.03

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
L179	54	55	2187.22	5601.36	602.87	2151.98	280.62	63.92	129.67	15.41	54.40	6.29	12.12	1.24
L179	55	56	2292.77	5429.39	628.24	2233.63	288.73	66.46	137.74	15.35	54.29	6.64	12.46	1.14
L179	56	57	2281.04	5048.59	606.50	2309.44	322.36	81.05	183.27	20.05	72.30	8.40	15.32	1.38
L179	57	58	3049.21	5097.73	803.43	3090.92	423.24	104.21	248.97	26.23	95.03	11.10	20.01	1.83
L179	58	59	3049.21	7112.25	845.71	3044.26	389.61	92.52	195.95	22.94	80.34	9.63	18.07	1.74
L179	59	60	3119.58	7873.84	902.50	3242.55	398.89	86.03	189.03	18.58	71.62	8.84	16.01	1.48
L179	60	61	2791.20	6964.85	803.43	2845.98	345.55	75.27	165.40	16.35	62.32	7.77	13.26	1.39
L179	61	62	1436.65	3562.27	403.53	1446.32	184.37	41.92	92.44	9.32	37.07	5.01	9.03	0.90
L179	62	63	1894.03	3599.12	502.60	2041.17	285.25	70.63	192.49	20.88	86.42	12.14	22.53	2.35
L179	63	64	2093.40	4987.17	536.42	1877.88	223.80	48.75	105.46	10.67	40.97	5.26	9.38	0.94
L179	64	65	2105.13	5306.55	555.75	1965.36	229.01	48.86	105.81	10.40	40.74	5.36	9.15	1.05
L179	65	66	1823.66	4274.72	494.14	1767.07	223.22	48.86	111.23	11.51	45.33	6.00	10.86	1.18
L179	66	67	1700.52	4250.15	471.18	1697.09	214.52	48.86	112.03	11.63	45.79	6.40	11.55	1.16
L179	67	68	2052.35	5429.39	601.66	2181.14	274.82	60.56	135.43	13.58	53.48	7.30	13.04	1.26
L179	68	69	391.71	969.18	117.19	436.23	59.37	14.13	31.70	3.41	13.43	1.99	3.77	0.34
L179	69	70	2357.27	5933.02	680.19	2437.74	306.13	68.32	149.84	14.41	56.93	7.43	12.69	1.40
L179	70	71	2544.92	6264.68	693.48	2391.09	282.93	64.26	140.62	13.70	57.61	8.37	16.69	1.42
L179	71	72	2427.64	5957.58	693.48	2496.06	308.45	67.74	150.42	15.17	59.22	7.73	13.84	1.35
L179	72	73	1641.88	3893.93	437.35	1533.80	182.63	39.49	95.55	9.84	38.33	5.12	9.95	0.98
L179	73	74	1043.77	2395.32	276.67	989.09	126.97	30.34	71.35	7.50	31.22	4.67	8.23	0.74
L179	74	75	1401.46	3107.77	357.62	1259.70	164.08	37.63	94.86	9.92	39.94	5.66	9.72	1.01
L179	75	76	1342.82	3156.91	347.95	1236.37	158.86	36.36	98.43	10.39	44.19	6.30	11.32	1.01
L179	76	77	1512.88	4004.48	430.11	1522.13	186.11	40.53	93.25	8.73	36.27	5.07	10.41	0.98
L179	77	78	1641.88	3427.15	382.99	1306.35	154.80	34.51	87.14	8.83	37.19	5.50	9.95	1.08
L179	78	79	2110.99	4594.10	508.64	1767.07	206.98	45.74	104.54	10.47	43.96	6.56	12.46	1.30
L179	79	80	1870.57	4397.56	497.76	1778.74	223.22	50.49	113.65	11.50	46.37	6.06	10.98	1.14
L179	80	81	2415.91	6104.99	706.77	2496.06	294.53	63.45	133.13	12.70	49.24	6.95	13.26	1.24
L179	81	82	1348.69	3292.03	378.15	1341.34	164.66	36.94	86.79	9.12	38.56	6.48	13.61	1.32
L179	82	83	1929.21	4827.49	549.71	1953.69	230.75	50.72	112.84	10.29	40.97	5.85	12.01	1.14
L179	83	84	4198.53	10023.48	1123.59	3884.06	448.75	98.77	214.96	21.35	80.57	11.68	22.18	2.35
L179	84	85	2046.49	5024.02	579.92	2023.68	230.75	48.75	106.27	9.90	37.53	5.21	10.18	0.88
L179	85	86	1219.68	3070.92	346.74	1230.54	151.90	33.46	73.88	7.48	27.09	3.97	7.55	0.65
L179	86	87	896.00	2309.33	259.75	923.78	115.03	26.52	60.74	6.05	26.05	4.08	8.00	0.75
L179	87	88	968.71	2383.03	259.75	900.45	112.36	24.55	55.33	5.73	24.90	3.85	8.46	0.82
L179	88	89	1653.61	3807.94	425.27	1469.64	169.88	41.11	89.90	9.19	36.15	5.26	10.41	1.02
L179	89	90	1594.97	3893.93	443.40	1644.60	211.04	47.94	114.69	11.88	48.43	6.72	12.58	1.26
L179	90	91	1266.59	2788.40	316.54	1059.08	135.67	32.42	65.01	6.56	23.18	2.98	5.37	0.46
L179	91	92	763.48	1793.42	198.14	674.17	83.84	18.64	37.46	3.66	13.20	1.78	3.09	0.31
L179	92	93	686.07	1474.04	155.25	501.55	61.23	13.78	28.24	2.88	10.44	1.31	2.40	0.21
L179	93	94	890.13	1848.69	190.89	613.52	74.68	17.25	37.23	3.90	15.15	2.04	3.54	0.31
L179	94	95	1507.01	3525.42	397.49	1323.85	169.88	37.17	78.26	8.07	30.07	4.16	7.78	0.70
L179	95	96	1290.05	2812.96	306.87	1022.92	129.29	31.15	62.70	5.95	20.89	2.88	5.15	0.42
L179	96	97	2885.02	6547.20	774.43	2566.05	344.39	79.43	173.47	17.47	67.14	9.65	19.55	2.11
L179	97	98	1401.46	3046.35	345.53	1161.72	155.96	37.29	88.06	9.97	43.50	6.85	15.55	1.85
L179	98	99	2116.86	5367.97	642.74	2128.65	260.90	57.55	113.53	10.96	38.33	4.85	8.69	0.75
L179	99	100	2181.36	5503.09	662.07	2262.79	294.53	67.85	141.20	14.11	51.88	6.95	13.84	1.37
L179	100	101	3600.41	8045.81	943.57	3125.91	407.01	92.98	205.74	21.94	90.90	13.57	28.47	3.23
L179	101	102	918.28	1836.41	217.47	734.82	96.71	21.77	45.87	4.70	19.51	2.69	6.06	0.63
L179	102	103	10238.31	22540.55	2537.14	8771.21	1234.94	308.01	671.98	73.86	291.51	41.47	79.93	8.26
L179	103	104	4702.82	12590.77	1528.32	5272.06	573.99	118.11	228.22	20.35	71.73	8.69	14.98	1.30
L179	104	105	5160.20	13573.47	1606.85	5505.34	626.17	128.53	245.51	22.41	77.24	9.46	15.21	1.24
L179	105	106	5676.22	15416.02	1818.28	6321.81	699.22	141.85	270.87	24.70	83.44	10.06	16.58	1.29
L179	106	107	5441.67	14617.58	1769.96	6100.19	677.19	139.53	269.71	23.99	83.21	9.83	16.35	1.29
L179	107	108	3952.24	10539.40	1256.49	4373.94	503.25	108.03	219.57	21.11	74.37	9.30	15.55	1.36
L179	108	109	2826.38	7296.51	895.25	3079.26	368.74	81.40	171.16	16.47	60.02	7.70	13.04	1.06
L179	109	110	4843.55	11976.59	1455.83	5155.42	685.30	156.32	363.07	37.52	144.61	18.90	32.25	2.87

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
L179	110	111	6203.97	16460.13	1927.02	6683.38	743.28	151.11	301.99	27.76	95.14	11.74	19.90	1.62
L179	111	112	4773.19	12775.03	1516.24	5248.73	576.31	117.53	224.18	20.52	70.24	8.55	13.49	1.11
L179	112	113	4820.10	12836.44	1546.45	5272.06	593.70	118.69	233.98	21.41	74.60	8.96	15.09	1.26
L179	113	114	3471.41	9200.48	1133.26	3884.06	427.88	88.93	174.05	16.23	58.07	7.40	12.24	1.06
L179	114	115	5394.76	14740.42	1782.04	6181.84	662.11	132.58	254.73	23.11	76.21	9.07	13.95	1.13
L179	115	116	5019.47	13696.30	1649.14	5703.62	608.77	120.42	229.95	20.29	67.48	8.04	12.69	0.99
L179	116	117	4890.46	13020.70	1594.77	5388.70	573.99	113.13	217.84	19.35	66.34	8.13	13.15	1.21
L179	117	118	5066.38	13143.54	1540.41	5143.76	533.40	103.40	194.79	17.35	59.45	7.47	12.46	1.20
L179	118	119	5687.95	15845.95	1896.81	6578.41	725.89	145.32	278.93	25.29	87.22	10.65	17.27	1.46
L179	119	120	8185.95	22601.97	2645.87	9097.80	985.63	199.74	378.06	33.29	111.21	13.17	21.04	1.67
L179	120	121	7013.18	17934.17	2102.20	7068.29	723.57	143.00	267.41	23.76	77.35	9.30	14.75	1.19
L179	121	122	6602.71	18486.94	2241.14	7779.79	849.96	169.06	321.58	29.17	95.60	11.74	18.18	1.35
L179	122	123	3459.68	9605.84	1181.58	4117.34	483.54	99.81	194.79	18.58	64.73	8.20	14.06	1.37
L179	123	124	5652.77	15170.34	1757.87	6065.20	670.23	147.64	278.93	24.58	88.83	10.55	17.15	1.46
L179	124	125	5383.03	14556.16	1715.59	5843.59	636.60	136.06	253.58	21.88	78.73	9.15	14.64	1.34
L179	125	126	5641.04	15416.02	1818.28	6298.48	686.46	148.21	276.63	23.99	87.11	10.03	15.78	1.35
L179	126	127	3717.69	9728.67	1122.38	3814.08	422.08	90.55	175.77	16.35	63.47	8.02	14.64	1.26
L179	127	128	1190.36	2567.29	269.42	881.79	107.84	25.59	54.98	6.08	28.23	4.22	9.15	0.90
L179	128	129	6602.71	17872.75	2078.04	7126.61	830.25	173.69	337.72	30.58	111.33	13.06	20.93	1.80
L179	129	130	6391.61	17012.90	1945.14	6811.69	785.03	167.90	323.89	28.46	103.18	12.14	18.75	1.52
L179	130	131	5840.41	15538.85	1806.20	6146.85	692.26	149.95	287.00	25.17	94.11	11.26	18.64	1.48
L179	131	132	3178.21	8463.45	1010.02	3475.83	433.68	99.81	204.59	19.17	76.09	9.69	16.69	1.55
L179	132	133	1202.09	2469.02	259.75	839.80	109.70	27.79	60.74	6.95	33.28	5.20	11.89	1.39
L179	133	134	6016.32	12959.28	1286.69	4070.68	483.54	122.74	251.27	27.29	125.10	18.73	42.19	4.83
L179	134	135	3318.95	7677.30	815.51	2542.72	302.65	75.03	155.60	16.53	72.76	10.84	24.13	2.67
L179	135	136	1424.92	3439.43	380.57	1288.86	171.62	41.34	83.91	8.60	35.35	4.71	8.92	0.85
L179	136	137	1800.21	3635.97	372.11	1189.71	147.27	36.94	77.11	7.66	31.68	4.22	8.00	0.78
L179	137	138	1407.33	2972.65	310.50	998.43	125.81	30.22	63.86	6.22	24.45	3.18	6.29	0.62
L179	138	139	1207.96	2763.83	303.25	1004.26	128.71	30.45	60.97	5.80	22.84	2.84	5.26	0.46
L179	139	140	2157.90	4962.61	559.38	1796.23	237.71	55.58	115.26	10.99	42.69	5.17	8.80	0.77
L179	140	141	1060.19	2419.88	269.42	901.62	115.96	26.17	55.10	5.23	20.20	2.58	4.46	0.40
L179	141	142	256.84	627.70	67.29	225.70	28.99	7.29	15.33	1.41	6.31	0.77	1.49	0.16
L179	142	143	777.55	1817.98	203.58	695.17	89.75	21.65	45.41	4.47	17.22	2.22	3.89	0.40
L179	143	144	706.01	1584.59	170.95	566.86	73.86	17.60	35.73	3.41	12.97	1.58	2.63	0.19
L179	144	145	378.81	906.54	97.02	318.42	38.85	9.49	18.67	1.67	6.77	0.77	1.49	0.09
L179	145	146	347.14	832.83	86.99	289.26	37.34	8.45	18.44	1.81	7.00	0.92	1.60	0.11
L179	146	147	782.24	1805.70	195.72	657.84	85.00	19.80	40.34	3.96	15.15	1.94	3.43	0.26
L179	147	148	948.77	2168.07	236.20	788.48	98.33	22.46	45.30	4.61	18.36	2.50	4.92	0.54
L179	148	149	635.64	1363.49	143.77	486.38	63.43	14.01	33.20	3.69	15.26	2.39	4.46	0.45
L179	149	150	577.00	1363.49	146.79	508.54	62.73	13.90	31.35	2.94	11.36	1.37	2.40	0.17
L179	150	151	276.77	549.08	53.88	176.71	22.73	5.67	13.60	1.67	8.26	1.34	3.54	0.35
L179	151	152	500.77	1190.29	134.11	472.39	58.56	12.97	27.89	2.72	9.18	1.16	1.94	0.21
L179	152	153	401.09	927.42	102.69	365.08	44.99	10.19	22.94	2.27	8.15	1.18	2.06	0.19
L179	153	154	776.38	1860.98	202.37	705.66	87.08	18.30	41.03	3.86	14.46	1.70	2.86	0.27
L179	154	155	1395.60	2874.38	291.17	951.77	98.91	19.92	41.61	3.85	13.77	1.84	3.89	0.46
L179	155	156	1536.33	3562.27	398.69	1388.00	172.78	36.59	80.45	7.43	26.86	3.18	5.83	0.47
L179	156	157	498.43	1138.70	124.44	429.23	54.27	12.16	28.58	2.65	9.98	1.32	2.17	0.23
L179	157	158	451.52	1037.97	112.48	396.57	48.47	10.88	23.51	2.34	8.84	1.01	1.72	0.16
L179	158	159	1401.46	3193.76	356.41	1236.37	160.02	36.01	80.34	7.70	27.77	3.38	5.95	0.49
L179	159	160	639.16	1467.90	163.10	577.36	71.55	15.86	35.50	3.26	12.17	1.39	2.97	0.23
L179	160	161	1512.88	3402.58	372.11	1300.52	155.96	33.70	73.19	6.94	24.79	3.05	5.15	0.39
L179	161	162	642.68	1437.19	155.85	533.04	66.21	14.47	31.47	3.13	10.90	1.44	2.40	0.18
L179	162	163	846.74	1989.96	224.11	787.31	96.48	20.84	48.06	4.86	17.22	2.11	4.00	0.32
L179	163	164	328.38	761.59	82.88	291.60	37.22	7.53	17.87	1.87	6.43	0.80	1.49	0.17
L179	164	165	253.32	617.87	68.14	232.69	28.18	6.02	12.68	1.23	4.48	0.56	1.14	0.11
L179	165	166	1067.22	2407.60	262.17	905.11	109.12	24.43	57.05	5.52	20.54	2.62	4.57	0.45

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
L179	166	167	781.07	1873.26	208.41	728.99	90.21	18.76	42.76	4.02	14.69	1.94	3.20	0.27
L179	167	168	859.64	1959.25	218.07	754.65	94.97	21.54	46.57	4.74	17.56	2.49	4.69	0.46
L179	168	169	1577.38	3795.66	420.44	1498.80	184.95	39.14	84.83	8.27	29.38	3.72	6.17	0.51
L179	169	170	1507.01	3549.98	403.53	1417.16	169.88	36.71	78.84	7.72	25.82	3.17	5.03	0.43
L179	170	171	2451.10	5675.06	648.78	2251.12	272.50	56.16	118.72	11.37	40.74	5.10	8.00	0.66
L179	171	172	1190.36	2776.11	305.66	1070.74	132.77	29.53	65.47	6.06	23.30	2.84	4.92	0.39
L179	172	173	825.63	1873.26	205.39	701.00	90.79	19.68	45.18	4.90	19.97	2.75	5.60	0.64
L179	173	173.95	1460.10	3402.58	381.78	1323.85	165.24	35.43	76.88	7.62	27.77	3.61	6.75	0.63
LG10	24.7	25.4	301.40	697.71	66.57	235.61	33.16	7.87	20.75	2.58	11.71	1.90	4.46	0.56
LG10	25.4	26	313.13	837.75	78.05	276.43	39.89	8.68	25.36	3.23	15.84	2.53	6.63	0.89
LG10	26	27	320.17	873.37	79.01	284.60	40.35	9.15	25.36	3.22	15.84	2.63	6.75	0.91
LG10	27	28	303.75	840.20	75.51	264.77	38.85	8.80	24.90	3.11	14.92	2.42	5.72	0.80
LG10	28	29	304.92	846.35	76.23	274.10	39.08	8.45	24.55	3.23	15.38	2.55	6.40	0.85
LG10	29	30	301.40	831.61	74.30	262.44	36.87	8.22	23.51	3.00	14.46	2.43	6.29	0.81
LG10	30	31	308.44	866.00	77.08	270.60	38.61	8.68	25.13	3.02	15.49	2.43	6.98	0.88
LG10	31	32	290.85	834.06	71.16	247.27	38.50	8.45	23.28	2.96	14.12	2.53	6.52	0.89
LG10	32	33	282.64	825.46	69.59	248.44	38.50	8.22	23.05	2.95	14.23	2.42	5.95	0.82
LG10	33	34	277.95	824.23	68.26	243.77	38.38	8.45	23.86	2.96	14.12	2.50	6.17	0.82
LG10	34	35	276.77	816.86	68.50	239.11	39.19	7.99	22.82	2.99	14.00	2.52	5.95	0.81
LG10	35	36	306.09	920.05	76.48	268.27	41.74	8.34	26.05	3.23	15.03	2.61	6.52	0.83
LG10	36	37	292.02	868.46	73.09	257.77	38.85	8.34	24.78	3.01	14.92	2.60	6.40	0.81
LG10	37	38	287.33	850.03	70.68	251.94	39.31	8.34	23.63	3.31	14.92	2.65	6.29	0.96
LG10	38	39	288.50	867.23	72.25	251.94	38.96	8.34	24.09	3.02	14.00	2.57	5.95	0.81
LG10	39	40	288.50	853.72	72.25	253.11	37.11	8.22	23.51	2.99	13.89	2.46	6.06	0.83
LG10	40	41	282.64	840.20	69.23	246.11	36.87	8.22	23.28	2.96	14.58	2.54	6.06	0.81
LG10	41	42	289.67	872.14	72.49	254.27	38.15	8.45	23.86	3.11	14.58	2.47	6.06	0.79
LG10	42	43	289.67	873.37	72.49	255.44	39.31	8.45	23.97	3.05	14.58	2.51	6.29	0.82
LG10	43	44	306.09	937.24	75.63	270.60	40.93	8.45	25.01	3.13	14.35	2.45	5.72	0.83
LG10	44	45	307.27	948.30	78.05	275.27	44.06	8.68	25.36	3.13	14.69	2.54	6.40	0.83
LG10	45	46	331.89	1031.83	82.15	292.76	46.50	9.84	27.32	3.27	15.03	2.62	6.17	0.89
LG10	46	47	316.65	970.41	78.05	278.77	43.14	8.92	25.47	3.22	14.69	2.46	5.83	0.79
LG10	47	48	297.88	942.16	72.73	255.44	37.34	7.76	22.13	2.61	13.20	2.28	5.60	0.73
LG10	48	49.1	382.32	1240.65	95.44	332.42	50.09	10.31	28.12	3.35	15.84	2.69	6.40	0.86
LG10	49.1	50.3	348.31	1130.10	85.18	305.59	44.18	9.26	25.70	3.14	14.81	2.39	6.06	0.75
LG10	50.3	51	418.68	1351.20	103.06	369.74	52.99	11.23	30.66	3.78	17.79	3.01	7.55	1.05
LG10	51	52	418.68	1338.92	104.75	367.41	55.20	11.70	32.39	3.83	19.74	3.33	7.89	1.05
LG10	52	53	335.41	1037.97	83.48	291.60	45.34	9.03	25.13	3.06	14.69	2.52	6.75	0.89
LG10	53	54	435.10	1363.49	110.31	389.57	57.28	12.85	35.39	4.40	20.54	3.56	8.23	1.11
LG10	54	55	500.77	1541.60	130.48	463.05	69.81	15.17	42.53	5.10	22.84	3.84	8.46	1.07
LG10	55	56	513.67	1523.18	132.90	471.22	70.39	15.86	43.45	5.32	25.02	4.19	9.61	1.15
LG10	56	57	676.69	1750.42	164.31	598.36	89.40	18.53	51.29	6.59	29.50	4.80	11.66	1.42
LG10	57	58	748.23	1891.69	175.79	614.68	94.16	20.38	53.71	6.54	30.87	5.06	12.01	1.44
LG10	58	59	703.66	1781.13	163.10	578.53	86.16	18.41	50.72	6.46	29.04	4.85	11.66	1.39
LG10	59	60	702.49	1836.41	167.33	590.19	88.13	18.76	50.72	6.46	28.00	4.57	11.66	1.52
LG10	60	61	762.30	1897.83	175.18	612.35	91.26	20.84	54.98	6.82	30.87	5.13	11.89	1.53
LG10	61	62	734.16	1910.11	177.60	601.85	91.26	19.34	51.18	6.72	29.84	4.95	12.12	1.48
LG10	62	63	825.63	1989.96	192.10	661.34	100.53	21.42	55.90	6.86	32.36	5.22	13.04	1.53
LG10	63	64	858.47	2020.67	195.72	684.67	102.97	21.88	56.25	6.96	32.02	5.05	12.35	1.48
LG10	64	65	967.54	2352.32	228.95	801.31	113.75	24.90	65.24	8.06	36.38	6.16	15.89	1.82
LG10	65	66	822.11	2026.81	195.12	697.50	98.33	21.54	58.21	7.03	31.22	5.28	13.49	1.74
LG10	66	67	830.32	2032.95	192.10	668.34	96.59	22.46	58.44	7.29	31.33	5.53	13.26	1.79
LG10	67	68	664.96	1762.71	160.08	556.37	81.75	19.68	50.60	6.27	28.35	4.94	12.81	1.69
LG10	68	69	437.44	1283.64	105.47	369.74	56.24	12.04	31.58	4.30	18.94	3.20	8.12	1.16
LG10	69	70	381.15	1121.50	92.67	324.25	47.19	10.54	26.28	3.31	15.38	2.58	7.09	0.93
LG10	70	71	405.78	1223.45	98.71	339.42	51.48	10.88	28.01	3.48	15.72	2.68	6.75	0.87
LG10	71	72	255.66	735.79	59.56	206.45	28.99	6.72	16.83	2.18	9.53	1.57	4.46	0.57

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG10	72	73	232.21	636.29	52.56	178.46	25.74	5.56	13.83	1.88	8.72	1.52	4.00	0.57
LG10	73	74	204.06	557.68	48.93	167.38	22.73	4.98	13.14	1.72	7.46	1.28	3.66	0.47
LG10	74	75	259.18	722.28	62.22	212.28	32.12	7.06	16.83	2.28	10.33	1.79	4.80	0.61
LG10	75	76	584.04	1658.30	156.46	545.87	71.08	18.06	45.87	5.09	24.10	3.86	9.61	1.13
LG10	76	77	398.74	1126.41	102.81	362.75	47.31	11.58	29.28	3.36	15.26	2.60	6.06	0.77
LG10	77	78	370.60	1142.38	91.58	310.26	38.38	9.96	24.09	2.75	12.62	1.99	5.26	0.61
LG10	78	79	437.44	1223.45	122.63	428.06	53.57	13.78	33.08	3.67	16.41	2.53	6.17	0.77
LG10	79	80	615.71	1523.18	179.41	624.02	79.20	19.11	43.91	4.72	21.35	3.30	6.98	0.79
LG10	80	81	444.48	1381.91	106.44	359.25	43.72	11.00	26.16	2.95	14.12	2.33	5.95	0.64
LG10	81	82	616.88	1824.13	159.48	543.54	68.53	17.72	43.11	4.80	22.49	3.56	9.15	1.04
LG10	82	83	639.16	1768.85	164.91	562.20	74.91	20.50	49.91	5.58	26.05	4.20	9.38	1.01
LG10	83	84	826.80	2229.49	198.14	661.34	82.56	21.88	52.91	5.97	27.77	4.38	10.98	1.19
LG10	84	85	813.90	2395.32	199.35	664.84	81.05	21.65	51.87	5.82	26.86	4.26	9.49	1.07
LG10	85	86	775.20	2063.66	186.06	621.68	76.42	20.61	50.37	5.53	26.28	4.07	9.03	1.02
LG10	86	87	469.11	1246.79	120.82	415.23	51.02	13.32	31.93	3.49	15.72	2.59	6.40	0.69
LG10	87	88	825.63	2002.24	205.39	717.33	89.29	23.16	58.78	6.54	28.58	4.64	10.06	1.11
LG10	88	89	1118.83	2640.99	268.21	916.78	115.61	31.03	77.80	8.75	40.05	6.61	15.21	1.68
LG10	89	90	847.91	2168.07	200.55	688.17	88.13	23.74	55.10	6.47	30.18	4.78	10.86	1.14
LG10	90	91	1019.14	2401.46	239.82	816.47	109.46	32.31	84.83	10.02	45.91	7.33	16.58	1.85
LG10	91	92	2316.23	5232.85	529.17	1772.90	222.64	61.02	148.69	16.70	74.94	11.80	26.99	2.98
LG10	92	93	2509.73	5736.48	606.50	2064.50	259.74	71.56	175.20	19.29	86.54	13.57	29.73	3.22
LG10	93	94	3295.49	7394.77	793.76	2589.37	307.29	80.82	193.64	21.11	95.83	14.72	33.16	3.62
LG10	94	95	5500.30	12590.77	1365.22	4618.88	533.40	136.64	329.65	35.29	157.81	24.97	56.49	6.19
LG10	95	96	2533.19	5613.64	576.29	1936.20	233.07	60.10	142.92	16.11	72.76	11.91	27.10	2.96
LG10	96	97	3623.87	8180.93	903.70	3020.94	383.82	103.75	261.64	31.87	148.63	23.25	51.80	5.22
LG10	97	98	3917.06	8881.10	982.24	3277.54	415.13	114.98	283.54	34.58	157.23	25.20	55.12	5.88
LG10	98	99	4374.44	9826.94	1090.97	3697.44	478.90	137.79	369.99	51.99	266.26	44.45	97.65	9.52
LG10	99	100	5171.93	11964.30	1328.98	4618.88	538.04	140.69	341.17	38.58	177.32	28.64	63.58	6.69
LG10	100	101	2603.56	5441.67	576.29	2023.68	265.54	68.09	160.21	18.11	82.40	12.31	27.10	2.95
LG10	101	102	2744.29	5969.87	631.87	2221.96	279.46	74.11	167.13	18.70	80.22	11.91	25.96	2.67
LG10	102	103	2720.83	5785.61	617.37	2169.48	278.30	75.27	174.62	19.99	89.98	13.35	28.59	3.14
LG10	103	104	3600.41	7505.33	785.30	2717.68	344.39	90.20	209.20	23.88	107.88	16.67	36.59	4.29
LG10	104	105	3576.96	7529.90	784.10	2729.34	345.55	91.59	210.35	24.35	107.88	16.55	36.25	3.91
LG10	105	106	2744.29	5871.60	636.70	2251.12	299.17	83.25	193.64	24.58	114.77	18.16	39.56	4.17
LG10	106	107	2369.00	4999.46	537.63	1872.05	230.75	64.03	150.42	17.88	82.06	12.03	26.07	3.04
LG10	107	108	2756.02	5883.88	627.04	2192.80	288.73	75.96	178.08	20.11	93.54	14.32	30.65	3.31
LG10	108	109	1753.30	3537.70	366.07	1236.37	160.60	41.57	98.09	11.71	54.06	8.68	19.55	2.25
LG10	109	110	1606.70	3328.88	337.08	1123.23	144.37	36.59	90.60	11.17	50.15	7.96	18.18	2.18
LG10	110	111	4726.27	9507.57	961.70	3149.24	382.66	98.89	230.52	28.93	131.98	20.85	46.54	5.61
LG10	111	112	7118.73	14371.90	1486.04	4723.86	563.55	146.48	356.16	44.11	200.27	32.99	75.36	8.82
LG10	112	113	3037.48	6510.35	686.24	2367.76	378.02	115.68	308.90	39.99	179.61	26.69	58.43	6.58
LG10	113	114	3776.33	8045.81	832.42	2810.99	380.34	108.27	282.39	39.87	191.09	30.47	65.29	7.35
LG10	114	115	4057.79	8475.74	868.67	2857.64	347.87	89.86	210.35	25.52	112.01	17.70	38.42	4.35
LG10	115	116	4081.25	8451.17	875.92	2939.29	387.30	106.18	258.19	30.11	127.39	19.76	43.68	4.87
LG10	116	117	2316.23	4962.61	527.97	1807.90	245.83	66.12	163.67	18.94	83.21	12.20	27.79	3.09
LG10	117	118.2	1741.57	3783.37	392.65	1347.17	170.46	44.81	106.62	13.00	55.20	8.44	18.41	2.10
LG10	118.2	119.4	1899.89	4188.73	450.64	1551.29	203.50	50.02	119.87	14.11	61.52	9.40	19.55	2.20
LG11	32	33	426.89	1187.83	108.49	379.08	54.15	12.51	34.69	4.10	19.63	3.33	7.66	1.13
LG11	33	34	747.06	1922.40	195.72	678.84	97.17	22.70	61.09	7.15	33.63	5.89	13.04	1.74
LG11	34	35	670.83	1768.85	176.39	604.19	84.18	19.57	56.36	6.47	30.99	5.14	11.55	1.51
LG11	35	36.15	757.61	2039.09	200.55	689.33	94.39	23.39	63.62	7.43	34.09	5.85	13.72	1.79
LG11	36.15	37.35	856.12	2290.91	226.53	789.64	109.81	27.67	70.31	8.23	37.64	6.61	16.81	2.18
LG11	37.35	38.2	723.60	2026.81	190.89	663.67	90.21	21.77	55.44	6.66	29.73	5.14	12.92	1.82
LG11	38.2	39	713.05	1873.26	196.33	680.00	90.91	21.42	52.56	6.23	26.40	5.03	12.01	1.83
LG11	39	40	693.11	1793.42	192.10	704.50	91.61	21.65	49.45	5.62	25.25	4.48	11.43	1.69
LG11	40	41	599.29	1553.89	160.69	572.69	72.94	16.79	39.07	4.30	20.08	3.30	8.69	1.24

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG11	41	42.2	799.83	1922.40	214.45	769.81	97.29	22.81	51.98	5.62	24.45	4.01	9.38	1.20
LG11	42.2	43.4	661.44	1547.74	169.14	603.02	74.44	18.06	40.57	4.61	19.51	2.84	6.29	0.74
LG11	43.4	44	804.52	1928.54	205.99	724.32	93.81	22.12	50.25	5.53	24.45	3.96	9.72	1.24
LG11	44	45	640.33	1431.05	158.27	547.03	66.44	16.44	36.42	4.02	17.10	2.60	5.60	0.66
LG11	45	46	1164.56	2432.17	256.13	872.46	107.14	27.33	62.36	6.94	30.07	4.80	9.83	1.23
LG11	46	47	1266.59	2653.27	279.09	949.44	117.12	29.41	67.08	7.47	32.25	5.34	10.86	1.26
LG11	47	48	992.17	2161.93	229.55	795.47	95.08	24.90	56.36	6.06	26.28	4.15	8.46	0.96
LG11	48	49	383.50	885.65	94.84	333.59	40.82	10.19	22.71	2.42	9.76	1.57	3.32	0.37
LG11	49	50	381.15	916.36	93.99	326.59	37.92	9.61	21.78	2.23	9.07	1.50	2.97	0.32
LG11	50	51	1023.83	2297.05	245.26	837.46	101.23	24.55	55.33	5.82	23.53	3.59	7.43	0.82
LG11	51	52	851.43	1885.54	204.18	709.16	88.71	22.12	49.56	5.30	21.92	3.18	6.86	0.77
LG11	52	53	1618.43	3378.01	367.28	1248.03	150.74	38.33	87.48	10.02	42.69	6.63	14.29	1.66
LG11	53	54	2673.92	5810.18	608.91	2099.49	264.38	61.83	142.35	14.64	66.91	10.41	22.07	2.39
LG11	54	55	1354.55	3156.91	328.62	1144.22	146.11	35.66	81.14	8.66	39.14	6.11	13.72	1.59
LG11	55	56	531.27	1271.36	138.94	493.38	62.04	14.13	36.19	3.72	16.53	2.33	5.03	0.56
LG11	56	57	557.07	1320.50	143.77	509.71	65.52	15.05	35.04	3.53	15.72	2.47	5.49	0.56
LG11	57	58	602.81	1381.91	149.81	527.21	68.88	15.40	36.65	3.72	15.84	2.19	4.23	0.51
LG11	58	60	330.72	770.19	83.60	290.43	37.45	8.68	18.90	1.86	7.35	1.11	2.06	0.23
LG11	60	61	765.82	1873.26	194.51	691.67	91.84	21.31	53.37	5.54	24.68	3.67	7.89	0.80
LG11	61	62	558.24	1351.20	141.96	502.71	60.41	15.40	35.39	3.55	16.53	2.41	5.49	0.51
LG11	62	63	457.38	1067.45	118.40	419.90	50.56	12.51	28.58	3.09	11.59	1.70	3.89	0.35
LG11	63	64	401.09	944.61	104.39	362.75	44.76	10.31	24.67	2.59	9.87	1.49	2.40	0.22
LG11	64	65	412.82	977.78	107.65	379.08	48.24	11.81	25.93	2.83	10.56	1.56	2.74	0.23
LG11	65	66	287.33	667.00	73.58	265.94	31.66	8.11	17.98	1.91	7.69	1.01	2.29	0.16
LG11	66	67	358.87	826.69	89.40	318.42	38.73	9.96	22.36	2.33	9.87	1.62	3.09	0.32
LG11	67	68	335.41	782.47	83.73	297.43	38.03	9.61	20.29	2.16	8.49	1.36	2.97	0.30
LG11	68	69	344.80	845.12	93.99	333.59	43.02	10.19	22.48	2.49	9.64	1.34	2.86	0.26
LG11	69	70	326.03	773.87	87.23	311.42	40.12	9.38	20.06	2.16	8.15	1.05	2.06	0.19
LG11	70	71	197.03	466.78	52.31	186.62	22.26	5.79	12.22	1.53	5.16	0.84	1.60	0.17
LG11	71	72	265.05	622.78	70.68	255.44	32.58	7.64	18.33	1.74	7.57	1.16	2.29	0.35
LG11	72	73.1	635.64	1461.76	155.25	545.87	69.34	15.75	37.11	4.19	15.26	2.50	5.26	0.54
LG11	73.1	74	749.40	1504.75	153.44	531.87	70.62	18.18	43.80	5.38	24.10	4.06	9.26	1.32
LG11	74	75	966.36	2241.77	242.84	868.96	109.46	26.40	59.24	6.48	28.81	4.30	8.58	0.95
LG11	75	76	1295.91	2948.08	314.12	1080.07	137.99	33.81	76.30	8.43	38.10	5.81	12.35	1.45
LG11	76	77	869.02	1842.55	187.87	656.67	83.95	18.87	46.91	4.96	21.23	3.13	6.17	0.73
LG11	77	78	557.07	1090.79	108.49	372.08	45.92	11.35	27.09	2.98	13.66	1.90	4.35	0.56
LG11	78	78.65	299.06	619.10	64.27	219.86	28.41	7.64	17.17	2.11	9.07	1.48	3.77	0.38
LG11	78.65	79.4	372.94	797.21	79.50	269.43	33.05	8.34	18.44	2.20	8.84	1.56	3.54	0.38
LG11	79.4	80	337.76	799.67	87.47	316.09	40.24	9.26	21.55	2.23	8.95	1.25	2.40	0.25
LG11	80	81	371.77	863.54	93.99	335.92	41.51	9.61	23.40	2.43	9.76	1.45	3.20	0.33
LG11	81	82	367.08	848.80	92.42	328.92	42.67	9.73	21.67	2.33	9.98	1.27	2.86	0.33
LG11	82	83	320.17	674.37	69.35	232.69	29.57	7.99	17.75	2.00	8.72	1.28	3.20	0.40
LG11	83	84	249.80	568.73	58.96	205.28	24.93	5.91	12.79	1.42	5.39	0.89	2.06	0.16
LG11	84	85	421.03	975.32	106.44	374.41	50.56	11.46	26.63	2.88	11.59	1.62	3.20	0.35
LG11	85	86	299.06	660.86	69.83	246.11	28.76	7.41	16.83	1.78	7.00	1.12	2.52	0.27
LG11	86	87	306.09	695.26	72.37	246.11	28.64	6.72	14.41	1.56	6.66	0.85	1.94	0.19
LG11	87	88	392.88	838.98	85.90	292.76	34.67	8.22	18.10	1.83	8.72	1.33	2.52	0.38
LG11	88	89.1	303.75	625.24	64.52	210.53	25.16	6.48	13.60	1.49	6.77	1.10	2.29	0.31
LG11	89.1	90.3	415.16	842.66	85.54	286.93	33.16	8.45	19.48	2.25	9.41	1.50	3.43	0.45
LG12	41	42	377.63	891.80	92.06	326.59	46.50	11.46	31.35	4.22	19.40	3.63	8.69	1.27
LG12	42	43	364.73	883.20	90.61	320.76	46.85	11.81	30.43	4.02	19.74	3.55	9.03	1.05
LG12	43	44	363.56	890.57	89.65	318.42	46.03	11.35	30.54	4.23	20.77	3.67	9.03	1.27
LG12	44	45	370.60	944.61	93.51	330.09	47.54	12.16	31.70	4.29	19.97	3.73	8.69	1.13
LG12	45	46	364.73	972.87	93.03	331.25	48.93	12.04	30.89	3.72	19.74	3.49	8.58	0.99
LG12	46	47	403.43	1076.05	102.81	367.41	53.34	12.27	34.23	4.25	20.77	3.54	9.03	1.10
LG12	47	48	628.61	1744.28	165.52	603.02	87.78	21.19	53.48	6.21	29.73	5.32	13.04	1.60

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG12	48	49	763.48	2100.51	205.99	747.65	109.58	28.02	71.00	8.97	42.35	7.50	18.30	2.22
LG12	49	50	933.53	2567.29	250.09	914.45	128.13	34.51	88.87	10.87	55.09	10.44	26.53	3.54
LG12	50	51	825.63	2432.17	235.59	852.63	122.91	29.87	74.92	9.41	44.53	7.96	19.78	2.57
LG12	51	52	416.33	1197.66	119.97	437.39	59.95	16.21	37.11	4.52	20.77	3.56	9.03	1.21
LG12	52	53	256.84	823.01	84.33	312.59	43.02	11.35	23.05	2.67	12.17	1.73	3.77	0.48
LG12	53	54	317.82	897.94	95.93	355.75	48.59	12.97	26.28	2.94	13.08	2.17	5.49	0.72
LG12	54	55	353.00	992.52	107.16	394.24	53.57	13.55	29.28	3.21	14.23	2.44	6.06	0.79
LG12	55	56	455.04	1277.50	135.31	493.38	67.83	17.02	36.19	4.27	18.13	3.16	7.89	0.99
LG12	56	57	412.82	1171.86	126.25	463.05	62.38	15.98	34.46	3.65	15.38	2.66	6.40	0.80
LG12	57	58	477.32	1357.35	146.19	527.21	71.78	17.83	37.69	4.06	19.05	3.12	7.55	0.83
LG12	58	59	449.17	1308.21	144.38	521.37	70.50	17.83	36.42	4.09	17.90	2.88	7.09	0.90
LG12	59	60	593.42	1658.30	181.22	645.01	89.63	23.27	47.60	5.36	24.22	4.07	8.92	1.13
LG12	60	61	715.39	1903.97	202.97	732.49	101.35	26.40	59.82	7.34	34.20	5.61	13.84	1.79
LG12	61	62	1624.29	3869.36	414.40	1498.80	210.46	56.85	134.28	17.58	92.62	17.87	47.34	6.05
LG12	62	63	2345.55	5503.09	605.29	2210.30	308.45	77.12	188.45	23.76	122.80	23.14	60.03	6.78
LG12	63	64	823.29	2032.95	227.13	797.81	115.96	27.56	69.62	9.33	48.43	9.06	22.53	2.96
LG12	64	65	550.03	1437.19	158.27	555.20	76.30	18.06	43.57	5.46	26.05	4.49	10.52	1.35
LG12	65	66	956.98	2211.06	239.82	838.63	114.57	27.33	68.70	8.33	41.66	7.38	17.27	2.12
LG12	66	67	578.18	1498.61	164.31	580.86	81.29	20.38	48.06	5.29	26.28	4.30	9.61	1.36
LG12	67	68	1348.69	3132.34	338.29	1155.89	162.92	37.40	91.40	11.39	54.29	8.99	20.58	2.73
LG12	68	69	869.02	2075.94	223.51	787.31	113.75	28.14	69.27	8.96	43.96	7.30	16.12	2.18
LG12	69	70	673.17	1707.43	183.64	638.01	94.04	22.81	57.17	7.13	35.92	5.83	14.64	2.02
LG12	70	71	1630.15	3709.67	420.44	1481.31	222.64	53.61	138.89	17.35	83.90	13.92	29.39	3.81
LG12	71	72	1747.43	4102.75	467.56	1662.10	238.87	59.29	149.26	17.76	84.13	13.75	30.99	3.91
LG12	72	73	4456.54	10293.72	1196.08	4117.34	585.58	143.00	367.69	46.81	231.83	39.63	92.85	12.45
LG12	73	74	3576.96	8512.59	985.86	3347.52	487.02	120.42	310.05	40.34	200.27	34.25	79.47	10.07
LG12	74	75	1589.11	3623.69	410.77	1440.49	210.46	51.30	130.25	16.29	79.88	13.52	29.62	3.94
LG12	75	76	2392.46	5613.64	646.37	2291.95	357.15	92.52	258.19	39.17	224.95	41.58	105.20	14.28
LG12	76	77	2052.35	4766.07	542.46	1930.37	286.41	73.99	191.33	26.46	142.31	24.17	56.83	7.23
LG12	77	78	1542.20	3635.97	408.36	1457.98	219.74	55.93	145.23	20.35	107.08	19.36	48.83	6.80
LG12	78	79	1507.01	3697.39	419.23	1469.64	222.06	53.96	139.47	18.64	98.01	17.13	40.14	4.99
LG12	79	80	810.39	1922.40	210.82	753.48	109.35	27.67	71.23	9.33	47.86	8.20	18.98	2.47
LG12	80	81	1078.95	2444.45	263.38	930.78	139.73	34.85	90.13	11.76	61.52	10.54	24.01	3.04
LG12	81	82	859.64	2051.37	230.15	804.81	119.44	31.38	89.10	14.11	85.04	16.21	38.19	4.71
LG12	82	83	652.06	1615.30	175.18	597.19	87.43	21.07	54.63	7.97	45.33	9.10	24.93	3.87
LG12	83	84	561.76	1412.62	157.67	552.87	83.03	19.92	48.41	6.49	35.35	6.46	15.78	2.17
LG12	84	85	824.46	2045.23	230.15	818.80	119.44	28.48	67.89	9.14	49.24	8.67	20.70	2.76
LG12	85	86	920.63	2198.78	242.84	847.96	121.17	30.45	82.18	12.35	70.93	13.80	35.45	5.36
LG12	86	87	1249.00	2739.26	308.08	1080.07	158.28	37.98	100.51	14.23	77.47	14.43	36.71	4.91
LG12	87	88	1138.76	2579.57	285.13	989.09	147.27	36.82	98.43	14.70	85.73	15.75	40.02	5.69
LG12	88	89	2580.10	5269.70	548.51	1848.72	277.14	70.05	189.03	27.64	158.38	28.87	69.98	8.86
LG12	89	90	673.17	1455.62	149.21	498.05	68.65	17.02	47.37	8.02	53.25	11.63	34.42	5.15
LG12	90	91	1284.19	3083.20	344.33	1195.54	171.62	41.69	104.20	14.47	80.45	15.64	38.42	5.00
LG12	91	92	621.57	1480.18	154.04	524.87	70.73	17.48	47.60	7.43	48.55	10.50	29.62	4.49
LG12	92	93	577.00	1738.14	188.47	631.01	75.49	17.60	34.00	4.20	20.66	3.55	9.15	1.14
LG12	93	94	765.82	1953.10	219.28	768.65	108.30	26.52	64.78	9.09	53.25	10.71	26.87	3.71
LG12	94	95	853.78	2002.24	226.53	814.14	128.71	34.62	103.51	18.94	128.54	27.95	74.67	10.23
LG12	95	96	844.40	1983.81	228.95	840.96	162.92	51.06	171.74	36.23	270.85	62.89	180.10	25.58
LG12	96	97	1172.77	2862.10	316.54	1109.23	154.22	38.10	94.63	14.53	96.98	21.42	58.32	7.89
LG12	97	98	1383.87	2960.37	309.29	1130.23	175.67	47.24	118.72	18.41	112.47	26.92	80.39	12.85
LG12	98	99	755.27	1811.84	204.18	754.65	114.45	31.61	84.03	14.23	91.01	19.59	52.94	7.00
LG12	99	100	592.25	1615.30	173.98	629.85	85.58	21.65	48.76	7.17	42.58	9.10	24.36	3.36
LG12	100	101	901.86	2143.50	239.82	907.45	133.35	33.46	86.68	14.00	90.21	21.71	64.95	9.75
LG12	101	102	1143.45	2591.86	280.29	1008.92	135.67	35.55	96.01	17.58	126.82	30.70	89.65	12.51
LG12	102	103	825.63	2014.52	216.86	801.31	120.60	32.54	90.25	16.47	114.77	27.95	82.45	11.42
LG12	103	104	1665.34	4004.48	444.60	1644.60	255.10	70.63	198.25	32.58	210.03	47.42	136.07	18.96

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG12	104	105	2005.44	5171.43	572.67	2105.32	331.64	93.10	242.05	40.93	253.64	57.39	165.81	22.50
LG12	105	106	935.87	2530.44	280.29	1019.42	147.84	37.86	91.17	13.47	76.44	15.98	42.65	5.41
LG12	106	107	1061.36	3021.79	331.04	1189.71	165.82	40.53	92.21	11.82	60.02	12.26	33.28	4.27
LG12	107	108	1059.01	2960.37	327.41	1195.54	173.36	43.31	95.44	11.71	56.01	10.76	27.21	3.65
LG12	108	109	910.07	2389.18	268.21	993.76	142.63	35.32	78.15	9.37	40.51	7.16	17.61	2.49
LG12	109	110	1104.75	2874.38	316.54	1172.22	171.04	41.92	95.32	11.09	48.89	7.86	18.87	2.41
LG12	110	111	940.56	2481.30	263.38	952.94	140.31	37.52	88.29	11.82	58.30	11.19	27.10	3.68
LG12	111	112	922.97	2082.08	225.93	830.47	119.44	29.76	72.38	8.09	36.04	5.84	12.35	1.54
LG12	112	113	1970.26	4397.56	482.06	1755.41	248.15	63.22	153.87	17.94	75.86	12.31	24.81	2.90
LG12	113	114	605.15	2186.49	235.59	851.46	121.75	30.69	63.39	7.54	31.68	4.74	10.41	1.21
LG12	114	115	1864.71	4262.44	469.97	1679.59	234.23	60.21	146.96	17.82	82.75	13.98	31.33	3.91
LG12	115	116	2017.17	4802.92	540.05	1982.85	281.78	71.44	170.01	19.00	81.26	13.06	27.56	3.29
LG12	116	117	1395.60	3390.30	381.78	1422.99	201.76	50.49	120.45	13.23	54.52	8.48	17.72	1.99
LG12	117	118	1331.10	3095.49	335.87	1218.87	175.67	45.27	108.00	12.59	53.25	8.35	16.92	2.02
LG12	118	119	1319.37	3193.76	357.62	1318.01	189.59	47.36	109.73	12.17	51.88	8.10	16.24	1.85
LG12	119	120	1002.72	2763.83	311.71	1162.89	172.78	44.93	100.74	12.00	47.63	7.37	14.18	1.67
LG12	120	121	673.17	1646.01	173.98	619.35	91.26	24.20	53.71	6.69	28.12	4.35	8.58	1.11
LG12	121	122	634.47	1830.27	201.76	762.82	110.62	28.60	64.09	7.22	28.92	4.15	8.58	0.82
LG12	122	123	1301.78	3525.42	391.44	1446.32	209.30	52.57	114.57	13.00	54.40	7.93	15.78	1.85
LG12	123	124	951.12	2450.59	271.84	1022.92	143.21	36.36	85.41	9.43	38.33	5.66	10.75	1.23
LG12	124	125	736.50	1983.81	222.30	828.13	118.28	29.76	69.27	7.30	30.64	4.55	8.80	0.96
LG12	125	126	358.87	1018.32	113.69	424.56	59.02	14.82	36.08	3.69	14.46	2.05	4.00	0.43
LG12	126	127	428.06	1205.03	137.73	529.54	73.17	18.30	43.80	4.48	16.76	2.46	4.92	0.51
LG12	127	128	1594.97	3758.81	430.11	1621.27	225.54	57.09	137.74	14.82	61.75	9.42	18.98	2.12
LG12	128	129	1325.23	3120.05	349.16	1329.68	191.33	49.33	115.03	13.06	52.33	8.13	17.38	1.99
LG12	129	130	1342.82	3144.62	361.24	1353.01	195.97	48.98	115.84	13.06	52.45	8.32	17.38	1.94
LG12	130	131	1124.69	2739.26	315.33	1189.71	170.46	42.84	103.27	11.82	49.47	8.13	16.92	2.08
LG12	131	132	1053.15	2751.54	308.08	1178.05	162.34	40.64	94.40	10.61	45.45	6.32	14.29	1.44
LG12	132	133	1864.71	4336.14	477.22	1796.23	244.67	65.54	148.11	17.29	75.06	11.32	24.93	2.84
LG12	133	134	1565.65	3648.25	404.73	1510.47	205.82	54.42	122.75	14.41	61.06	9.00	19.10	2.16
LG12	134	135	1202.09	3242.89	361.24	1388.00	189.01	47.82	108.00	12.41	50.73	7.53	15.78	1.70
LG12	135	136	2392.46	5503.09	604.08	2262.79	306.13	80.59	180.96	21.47	92.16	13.92	30.30	3.32
LG12	136	137	1430.78	3218.32	334.66	1224.70	161.76	42.26	95.21	12.47	57.96	9.60	21.95	2.67
LG12	137	138	1290.05	2935.80	305.66	1127.89	154.80	40.64	94.28	11.36	51.19	8.47	19.67	2.40
LG12	138	139	3940.52	8979.37	952.03	3522.48	491.66	127.37	300.83	36.81	166.99	27.15	62.21	7.37
LG12	139	140	3002.30	6842.01	744.23	2810.99	389.61	101.55	235.13	27.52	119.36	18.27	39.45	4.21
LG12	140	141	1237.28	3132.34	338.29	1283.02	175.67	46.43	104.31	12.64	52.79	8.52	17.84	2.04
LG12	141	142	2462.82	5724.19	623.41	2356.10	320.04	85.22	195.37	23.17	103.29	15.69	33.96	3.88
LG12	142	143	2292.77	5208.28	570.25	2128.65	292.21	77.58	179.23	21.29	92.50	14.03	30.30	3.54
LG12	143	144	2990.57	6706.89	733.35	2776.00	378.02	96.92	224.76	25.88	112.70	16.95	36.71	4.33
LG12	144	145	2779.47	6203.26	674.15	2519.39	350.19	91.01	210.35	24.82	105.24	16.44	36.36	4.03
LG12	145	146	4151.62	9249.61	978.61	3580.80	469.63	121.58	277.78	34.81	154.94	26.12	58.43	6.57
LG12	146	147	2943.66	6670.04	715.23	2694.35	367.58	95.41	216.12	27.05	119.93	18.90	41.05	4.67
LG12	147	148	1723.98	4102.75	447.02	1679.59	233.07	61.25	137.74	16.94	72.42	11.34	24.13	2.74
LG12	148	149	1272.46	3267.46	358.82	1329.68	186.69	46.66	106.50	12.82	55.89	8.72	19.10	2.20
LG12	149	150	846.74	2088.23	219.89	822.30	114.68	28.72	65.70	8.07	37.76	6.17	14.75	1.71
LG12	150	151	1237.28	3230.61	355.20	1364.67	187.85	46.66	107.54	12.29	51.30	7.33	14.98	1.61
LG12	151	152	2187.22	5048.59	542.46	2047.01	275.98	72.25	165.40	19.70	87.45	13.80	29.73	3.30
LG12	152	153	2152.04	4974.89	538.84	2052.84	277.14	70.17	165.98	19.47	89.52	14.03	31.33	3.44
LG12	153	154	2228.27	5024.02	541.26	2000.35	263.22	69.13	158.48	19.11	86.54	13.92	31.90	3.63
LG12	154	155	484.36	1259.08	137.73	516.71	70.39	17.14	39.42	4.25	20.08	3.08	6.29	0.72
LG12	155	156	686.07	1817.98	200.55	766.31	104.25	26.28	61.90	7.53	33.51	5.48	11.55	1.24
LG12	156	157	901.86	2395.32	262.17	1010.09	142.05	37.75	94.63	12.70	60.71	10.05	22.53	2.34
LG12	157	158	648.54	1646.01	177.60	673.00	91.26	24.32	56.82	6.93	31.22	4.78	9.38	0.98
LG12	161.45	162.85	521.88	1265.22	128.07	457.22	63.08	15.28	35.04	4.35	17.79	2.88	5.95	0.71
LG13	11.2	12	438.62	1369.63	110.55	393.07	56.59	11.93	30.54	4.07	19.40	3.25	7.43	1.03

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG13	12	13	422.20	1295.93	104.63	373.24	54.38	11.46	30.20	4.09	18.48	3.13	8.12	1.08
LG13	13	14	449.17	1381.91	112.36	402.40	57.75	12.16	31.81	4.23	19.05	3.49	8.12	0.99
LG13	14	15	469.11	1412.62	120.33	445.56	62.04	12.97	35.04	4.46	22.38	3.69	8.80	1.16
LG13	15	16	453.86	1338.92	113.20	416.40	57.98	13.32	35.50	4.70	23.53	3.93	9.26	1.29
LG13	16	17	493.74	1486.33	122.02	438.56	63.54	13.43	35.15	4.93	21.23	3.57	9.26	1.11
LG13	17	18	497.26	1517.03	126.25	458.39	65.40	13.78	37.34	4.92	22.27	3.85	9.15	1.14
LG13	18	19	514.85	1529.32	130.48	477.05	67.37	14.47	37.58	5.03	23.07	3.87	8.80	1.11
LG13	19	20	572.31	1713.57	149.21	535.37	75.72	16.56	44.84	5.47	25.25	4.08	9.61	1.11
LG13	20	21	603.98	1756.57	156.46	552.87	76.65	17.48	47.14	6.21	26.51	4.39	9.26	1.26
LG13	21	22	608.67	1750.42	158.87	558.70	77.00	16.56	46.10	5.90	27.20	4.47	10.06	1.31
LG13	22	23	587.56	1627.59	148.00	530.71	77.11	16.33	43.57	5.66	26.74	4.28	9.95	1.23
LG13	23	24	621.57	1793.42	162.50	594.86	84.76	18.64	48.41	6.07	28.12	4.71	10.41	1.24
LG13	24	25	674.34	1903.97	177.60	638.01	90.10	18.99	47.95	6.14	28.46	4.64	10.98	1.30
LG13	25	26	693.11	1916.25	180.02	656.67	91.37	19.11	51.06	6.29	28.69	4.80	10.98	1.43
LG13	26	27	727.12	1959.25	189.68	703.33	97.52	20.15	50.48	6.23	29.50	4.95	11.55	1.27
LG13	27	28	732.98	1971.53	189.68	697.50	94.97	19.68	49.56	6.21	29.50	4.71	11.09	1.35
LG13	28	29	755.27	1996.10	195.72	712.66	96.82	20.38	51.29	6.22	28.46	4.85	11.43	1.40
LG13	29	30	737.67	1959.25	194.51	694.00	94.97	20.38	49.91	6.46	27.77	4.49	9.72	1.27
LG13	30	31	659.10	1774.99	175.18	635.68	87.66	17.83	44.95	5.59	24.79	4.00	9.38	1.20
LG13	31	32	458.55	1345.06	119.61	433.90	59.49	12.27	31.24	3.85	17.90	3.01	7.43	0.98
LG13	32	33	479.66	1357.35	124.44	460.72	60.99	13.08	33.43	4.03	18.59	3.28	7.66	1.03
LG13	33	34	390.53	1123.96	100.88	366.24	48.82	10.07	26.63	3.42	15.03	2.50	5.95	0.85
LG13	34	35	394.05	1052.71	104.26	372.08	50.33	10.65	25.82	3.13	14.81	2.42	5.83	0.83
LG13	35	36	318.99	722.28	79.74	285.76	36.87	7.87	18.44	2.43	10.44	1.79	4.92	0.64
LG13	36	37	370.60	916.36	94.84	339.42	45.57	9.38	23.51	2.73	13.54	2.12	5.26	0.77
LG13	37	38	283.81	639.98	72.13	253.11	32.70	6.95	16.25	1.92	9.64	1.73	4.35	0.67
LG13	38	39	172.40	364.83	39.63	137.05	17.97	3.59	9.45	1.23	6.89	1.24	3.20	0.46
LG13	39	40	157.15	356.23	37.09	131.80	16.47	3.71	9.80	1.31	6.77	1.17	3.66	0.54
LG13	40	41	164.19	389.39	38.90	133.55	17.97	3.82	9.57	1.38	6.89	1.43	3.89	0.59
LG13	41	42.05	159.50	390.62	38.30	134.72	17.86	3.94	9.57	1.35	6.89	1.39	3.66	0.63
LG13	42.05	43	120.80	314.46	29.24	102.18	13.22	2.89	7.49	0.96	5.62	1.16	3.54	0.56
LG13	43	44	72.71	214.96	17.88	62.28	8.12	1.85	4.38	0.55	3.21	0.63	1.72	0.27
LG13	44	45	185.30	802.12	43.13	147.55	20.18	4.63	10.49	1.36	6.77	1.03	2.63	0.39
LG13	45	46	442.14	1910.11	143.17	549.37	75.95	17.83	41.15	4.79	19.74	2.97	6.52	0.79
LG13	46	47	598.11	2069.80	196.93	776.81	121.75	28.72	66.85	7.12	28.46	3.99	8.23	0.91
LG13	47	48	667.31	1689.01	170.95	620.52	87.90	21.88	56.48	6.86	28.81	4.17	8.80	1.06
LG13	48	49	704.84	2069.80	226.53	846.80	121.17	28.72	67.77	8.27	33.74	4.93	9.72	1.07
LG13	49	50	486.70	1351.20	146.19	570.36	80.13	20.84	51.64	6.07	29.38	4.67	9.61	0.95
LG13	50	51	572.31	1652.15	174.58	675.34	98.22	22.81	53.94	6.41	27.54	4.30	9.38	1.07
LG13	51	52	649.72	1971.53	231.36	894.62	136.83	31.73	69.04	7.69	32.59	4.67	9.26	1.01
LG13	52	53	652.06	1811.84	195.72	747.65	109.70	27.67	66.62	7.90	33.63	5.05	9.95	1.05
LG13	53	54	1718.11	4336.14	466.35	1732.08	244.67	63.34	157.33	19.94	90.09	13.86	25.96	2.82
LG13	54	54.65	1548.06	3611.40	389.03	1440.49	204.08	51.64	125.64	15.17	70.12	10.81	22.76	2.68
LG13	57.8	59	1776.75	3869.36	407.15	1463.81	202.34	49.91	123.33	14.76	63.58	9.52	19.10	2.28
LG13	59	60	737.67	1762.71	182.43	681.17	107.14	27.21	69.50	8.43	36.61	5.93	12.12	1.27
LG13	60	61	662.62	1658.30	170.35	613.52	84.42	20.84	50.95	6.42	30.64	5.15	12.92	1.71
LG13	61	62	492.56	1179.23	122.02	437.39	59.25	14.59	34.12	4.59	20.08	3.24	6.86	0.80
LG13	62	63	601.63	1510.89	158.27	585.53	78.62	19.11	45.76	5.22	22.49	3.56	7.43	0.88
LG13	63	64	759.96	1989.96	212.03	790.81	105.06	25.59	59.94	7.28	30.87	4.69	9.72	1.04
LG13	64	65	750.57	2088.23	231.36	886.45	127.55	30.22	68.00	7.81	34.55	5.12	10.86	1.27
LG13	65	66	679.04	1732.00	180.62	662.51	97.98	26.05	65.70	8.72	41.89	6.96	16.24	1.76
LG13	66	67	879.58	2278.62	236.20	852.63	109.46	29.53	72.96	8.32	33.51	5.12	11.55	1.16
LG13	67	68	1378.01	3648.25	389.03	1440.49	182.63	45.16	107.89	11.41	45.33	6.64	14.64	1.36
LG13	68	69	1894.03	4397.56	456.68	1632.94	209.88	52.80	127.94	14.29	57.15	9.04	18.75	2.10
LG13	69	70	1448.37	3427.15	350.37	1283.02	164.66	44.12	103.74	12.23	52.22	7.90	17.61	1.78
LG13	70	71	949.95	2518.15	270.63	1007.76	135.67	34.04	78.38	8.64	37.19	5.33	10.86	1.12

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG13	71	72	1424.92	3525.42	374.53	1370.50	177.41	45.62	112.73	12.53	49.01	7.09	16.12	1.60
LG13	72	73	2474.55	5441.67	572.67	2093.66	264.38	70.17	167.13	18.70	75.52	11.17	24.93	2.60
LG13	73	74.1	2304.50	5515.37	588.37	2128.65	267.86	69.48	161.94	17.70	70.93	10.02	21.73	2.24
LG13	74.1	75.2	1682.93	3783.37	393.86	1422.99	176.25	47.13	113.30	12.94	52.79	7.89	17.04	1.80
LG13	75.2	76.45	885.44	2186.49	228.95	844.46	105.75	28.25	69.62	7.62	30.76	4.89	10.86	1.06
LG13	76.45	77	659.10	1578.45	167.93	640.35	103.09	30.57	88.06	11.21	50.84	8.44	19.90	2.15
LG13	77	78	2791.20	6559.48	698.32	2519.39	310.76	81.87	189.03	20.35	81.26	11.46	23.90	2.72
LG13	78	79	1158.70	2898.95	299.62	1105.73	136.25	34.27	85.41	9.41	39.82	5.78	12.58	1.28
LG13	79	80	1307.64	3144.62	328.62	1195.54	150.74	39.95	96.36	10.95	46.48	7.03	15.89	1.60
LG13	80	81	1127.03	2665.56	279.09	1003.09	132.19	36.82	95.09	12.41	55.78	8.59	19.67	2.16
LG13	81	82	526.58	1218.54	134.11	496.88	65.40	17.48	45.64	5.49	23.76	3.73	8.23	0.79
LG13	82	83	402.26	921.28	102.33	372.08	42.21	11.58	28.01	2.99	12.85	1.94	3.77	0.47
LG13	83	83.8	175.92	442.21	49.05	181.96	22.50	6.02	14.06	1.82	7.12	1.12	2.17	0.26
LG13	83.8	85	256.84	630.15	72.49	268.27	35.71	7.99	21.44	2.53	9.41	1.40	2.74	0.30
LG13	85	86	134.87	343.94	38.78	139.97	19.48	4.63	10.83	1.13	4.59	0.65	1.60	0.14
LG13	86	87	323.69	795.98	90.97	344.08	42.90	11.58	27.78	3.07	11.13	1.72	2.97	0.40
LG13	87	88	358.87	888.11	102.69	390.74	47.54	12.27	31.01	3.02	11.59	1.65	3.43	0.26
LG13	88	89	276.77	635.07	71.40	265.94	33.63	9.26	23.51	2.93	13.43	2.26	5.72	0.63
LG13	89	90	206.41	518.37	58.11	209.95	27.02	6.95	15.79	1.73	7.46	1.01	2.06	0.24
LG13	90	91	287.33	723.51	83.24	304.43	40.01	9.96	23.86	2.67	10.44	1.49	3.43	0.31
LG13	91	92	249.80	578.56	63.19	228.03	27.37	6.83	16.25	1.81	6.89	1.05	2.17	0.21
LG13	92	93	276.77	643.66	69.11	243.77	27.71	6.48	17.29	1.83	6.66	0.94	1.94	0.19
LG13	93	94	232.21	555.22	63.19	227.45	29.57	6.83	16.71	1.85	6.77	0.95	1.94	0.21
LG13	94	95	315.48	819.32	87.47	316.09	36.41	9.73	21.90	2.52	10.21	1.23	2.52	0.29
LG13	95	96	326.03	800.90	85.54	300.93	33.51	9.49	20.29	2.38	8.72	1.21	2.63	0.29
LG13	96	97.2	235.73	549.08	61.37	225.11	28.53	7.18	19.83	2.33	10.21	1.72	4.00	0.42
LG13	116.85	118	173.57	386.94	41.92	142.30	17.63	4.28	10.14	1.14	5.28	0.73	1.72	0.15
LG13	118	119	315.48	648.58	62.70	195.95	23.77	5.33	12.33	1.43	6.54	1.13	2.52	0.25
LG13	119	120	697.80	1431.05	142.56	468.89	60.18	14.71	33.20	3.58	15.61	2.27	4.46	0.51
LG13	120	121	863.16	1695.15	169.14	551.70	69.81	17.37	40.80	4.98	23.41	3.75	8.58	0.98
LG13	121	122	385.84	858.63	89.40	295.10	42.21	10.77	27.78	3.58	16.76	2.50	5.60	0.50
LG13	122	123	385.84	846.35	83.97	275.27	38.73	9.84	22.02	2.49	11.13	1.67	3.20	0.32
LG13	123	124	282.64	643.66	66.45	222.20	30.03	7.29	17.52	2.13	9.30	1.50	2.86	0.31
LG13	124	125.2	552.38	1189.06	120.33	400.07	54.27	13.43	33.66	4.10	19.05	2.89	5.95	0.63
LG15	10	11	880.75	2149.64	219.28	769.81	110.85	24.90	62.93	7.81	35.58	6.04	13.72	1.69
LG15	11	12	927.66	2223.35	227.13	786.14	113.29	26.05	65.58	8.27	37.64	6.51	13.95	1.68
LG15	12	13	937.05	2223.35	229.55	797.81	112.01	25.94	66.16	8.22	37.07	6.51	14.75	1.82
LG15	13	14	934.70	2217.20	230.15	816.47	114.80	26.75	66.39	8.39	38.33	6.66	14.87	1.74
LG15	14	15	948.77	2217.20	231.97	800.14	113.41	26.63	66.16	8.16	35.92	6.09	14.18	1.70
LG15	15	16	903.04	2241.77	229.55	814.14	119.44	26.98	67.66	8.34	37.30	6.36	14.64	1.80
LG15	16	17	851.43	2278.62	222.91	753.48	103.90	26.86	67.08	8.08	36.96	6.35	15.21	1.95
LG15	17	18	874.89	2358.47	227.74	786.14	108.42	26.52	64.89	8.06	35.92	6.41	15.09	2.09
LG15	18	19	866.68	2426.03	227.13	776.81	106.45	27.21	66.16	8.09	36.73	6.68	15.55	2.08
LG15	19	19.75	852.61	2493.59	220.49	747.65	104.25	25.13	61.90	7.56	35.92	6.55	16.58	2.25
LG15	19.75	20.95	275.60	843.89	70.31	234.44	31.31	7.64	18.10	2.31	10.56	2.03	5.83	0.77
LG15	20.95	22	353.00	1029.37	90.25	297.43	40.01	9.96	23.17	2.82	12.51	2.11	5.49	0.72
LG15	22	23	379.98	1153.44	95.93	314.92	40.82	10.31	24.20	2.98	13.43	2.34	6.29	0.90
LG15	23	24	534.78	1369.63	128.67	421.06	52.18	12.39	27.55	3.32	15.49	2.70	6.86	1.03
LG15	24	24.7	436.27	1246.79	120.82	393.07	52.06	13.32	29.51	3.49	15.61	2.66	6.06	0.85
LG15	65.35	66	266.22	643.66	64.52	201.20	25.39	6.37	13.60	1.53	6.31	0.90	1.83	0.21
LG15	66	67	324.86	967.95	95.69	302.09	37.34	9.61	20.29	2.13	9.64	1.37	2.86	0.31
LG15	67	68	348.31	931.10	92.67	291.60	36.53	9.84	19.94	2.22	8.61	1.39	2.74	0.26
LG15	68	69	553.55	1240.65	122.02	383.74	48.35	12.74	28.58	3.52	14.69	2.33	4.92	0.50
LG15	69	70	270.91	638.75	61.98	192.45	23.08	5.91	12.91	1.36	5.62	0.90	1.94	0.21
LG15	70	71	308.44	783.70	79.50	257.77	31.77	8.11	17.87	1.87	7.69	1.21	2.63	0.25
LG15	71	72	228.69	514.69	51.59	163.29	19.83	5.09	11.30	1.32	5.74	0.87	1.94	0.18

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG15	72	73	422.20	901.62	91.82	295.10	37.57	10.42	25.01	3.23	15.72	2.52	5.83	0.61
LG15	73	74	417.51	926.19	94.72	304.43	38.27	9.73	23.28	2.65	11.02	1.70	3.89	0.39
LG15	74	75	232.21	531.88	53.52	172.04	22.38	6.37	14.52	1.66	6.89	1.10	2.40	0.25
LG15	75	76	383.50	851.26	86.38	285.76	37.45	10.54	25.24	3.08	12.74	1.98	4.35	0.47
LG15	76	77	364.73	907.76	94.60	313.76	39.19	10.07	22.13	2.33	9.41	1.45	2.74	0.27
LG15	77	78	364.73	821.78	87.11	290.43	37.69	10.42	24.09	2.67	11.25	1.68	3.54	0.37
LG15	78	79	463.25	1084.65	112.36	383.74	59.49	18.06	46.22	6.93	36.50	6.64	18.64	2.86
LG15	79	79.95	432.75	980.24	99.31	325.42	44.99	13.32	32.73	4.76	23.99	4.28	10.52	1.32
LG16	21.85	22.55	603.98	1609.16	173.98	589.02	90.33	20.50	55.56	6.32	31.45	5.65	14.98	1.85
LG16	26.1	27	688.42	1873.26	198.14	680.00	101.23	25.24	60.86	7.06	32.48	5.10	12.12	1.50
LG16	27	28	629.78	1805.70	188.47	635.68	94.39	22.93	53.71	5.99	27.43	4.54	10.41	1.43
LG16	28	29	493.74	1424.91	143.77	481.72	69.81	16.10	39.65	4.76	22.04	3.73	9.03	1.18
LG16	29	30	462.07	1351.20	135.92	456.06	65.75	15.63	34.92	3.86	17.33	2.75	6.29	0.73
LG16	30	31	790.45	1750.42	218.07	727.82	100.77	22.46	52.91	5.94	25.48	3.81	8.58	0.98
LG16	31	32	688.42	1854.84	186.66	612.35	85.46	19.22	43.80	4.78	20.77	3.14	6.75	0.99
LG16	32	32.65	588.73	1959.25	154.64	492.21	67.37	14.82	34.92	3.95	17.90	2.89	5.95	0.81
LG16	32.65	33.3	751.75	2026.81	214.45	701.00	94.85	22.58	51.29	5.68	25.13	3.69	8.23	0.97
LG16	33.3	34	836.19	2149.64	242.84	795.47	107.84	24.20	51.87	5.87	24.90	3.79	8.12	0.95
LG16	34	35	668.48	1682.86	178.81	570.36	76.18	17.48	38.84	4.18	18.36	2.82	6.63	0.77
LG16	35	36	520.71	1443.33	142.56	461.89	61.57	13.08	30.77	3.40	15.72	2.36	5.95	0.75
LG16	36	37	378.81	1095.70	103.90	334.75	43.72	9.96	22.25	2.48	11.36	1.87	4.80	0.64
LG16	37	38	479.66	1351.20	135.31	437.39	58.21	13.32	29.85	3.50	15.26	2.35	5.49	0.69
LG16	38	39	959.33	2370.75	274.25	900.45	126.39	29.06	63.39	6.97	29.38	4.15	9.83	1.04
LG16	39	40	863.16	2370.75	245.26	817.64	116.54	27.79	59.59	6.66	28.58	4.38	9.26	0.98
LG16	40	41	945.25	2469.02	275.46	931.94	133.93	32.31	74.00	8.37	35.46	5.41	11.78	1.38
LG16	41	42	962.85	2518.15	287.54	1007.76	143.21	34.39	81.37	9.12	39.14	5.90	12.58	1.36
LG16	42	43	1718.11	4299.29	471.18	1551.29	218.00	52.80	115.84	12.94	57.50	8.39	17.95	1.94
LG16	43	44	1518.74	4225.59	494.14	1720.42	251.63	58.48	125.64	13.70	59.56	8.64	17.27	1.85
LG16	44	44.8	1911.62	5073.16	589.58	1959.53	270.18	63.34	136.59	14.53	60.60	8.59	17.84	1.90
LG16	47.85	49.05	445.65	1252.94	144.38	498.05	71.78	17.02	38.04	4.27	17.22	2.65	5.15	0.57
LG16	49.05	50.25	422.20	1252.94	143.77	503.88	75.02	17.83	38.73	4.28	18.13	2.53	5.15	0.57
LG16	50.25	51.45	355.35	1060.08	120.82	423.40	60.18	14.59	31.24	3.48	14.92	2.02	4.00	0.45
LG16	105.9	106.6	1507.01	3795.66	444.60	1522.13	202.92	45.27	94.86	9.30	36.50	5.03	9.83	1.04
LG16	106.6	107.45	806.87	2075.94	234.38	811.80	114.57	27.79	61.90	6.77	29.38	4.11	8.80	0.86
LG16	107.45	108.2	636.82	1596.88	167.93	548.20	75.26	18.64	41.72	4.79	20.89	3.41	7.09	0.81
LG16	108.2	109	215.79	557.68	55.70	188.95	26.67	6.48	14.29	1.67	6.66	1.12	2.52	0.27
LG16	109	110	422.20	1137.47	112.96	377.91	53.11	13.66	30.08	3.74	17.44	2.96	7.09	0.79
LG16	110	111	1342.82	3353.44	363.66	1236.37	169.88	43.07	94.86	11.07	44.07	6.76	14.64	1.58
LG16	112	112.7	659.10	1289.79	125.65	390.74	50.56	12.74	30.66	3.69	15.84	2.59	6.17	0.78
LG16	112.7	113.4	769.34	1670.58	161.29	517.87	65.05	17.02	38.04	4.38	18.71	3.04	7.09	0.77
LG26	6	7	287.33	654.72	59.92	208.78	31.66	6.25	18.67	2.75	13.20	2.39	6.98	0.96
LG26	7	8	255.66	596.99	54.97	193.62	28.87	6.25	17.17	2.56	12.97	2.42	5.95	0.95
LG26	16	17	308.44	819.32	67.42	232.11	34.79	7.29	20.29	2.86	13.66	2.21	5.60	0.74
LG26	17	18	299.06	788.61	64.39	227.45	34.21	6.83	20.29	2.92	13.66	2.23	5.60	0.77
LG26	30	31	418.68	1184.15	89.52	312.59	48.24	10.77	29.74	4.32	20.66	3.52	8.80	1.23
LG26	31	32	521.88	1461.76	109.22	367.41	55.43	12.16	35.50	4.74	23.53	4.06	10.18	1.35
LG26	32	33	565.28	1535.46	114.78	384.91	55.20	12.39	34.58	4.68	23.41	3.88	10.18	1.37
LG26	33	34	587.56	1590.74	115.98	391.91	56.59	12.16	33.08	4.73	22.15	3.86	9.03	1.35
LG26	34	35	640.33	1658.30	125.04	412.90	57.17	12.62	34.35	4.82	21.69	3.64	9.49	1.21
LG26	35	36	652.06	1646.01	123.23	404.74	55.78	12.27	32.96	4.52	20.31	3.30	8.23	1.11
LG26	36	37	674.34	1707.43	126.86	417.57	57.75	12.51	33.20	4.81	22.27	3.63	8.23	1.16
LG26	37	38	761.13	1830.27	136.52	442.06	61.92	13.43	35.85	5.10	23.53	3.80	9.15	1.23
LG26	38	39	967.54	2008.38	160.69	503.88	68.53	15.28	37.92	5.41	24.10	3.87	9.38	1.38
LG26	39	40	1014.45	2002.24	164.31	516.71	67.02	14.47	35.50	5.05	22.84	3.76	9.26	1.30
LG26	40	41	1006.24	1989.96	160.69	501.55	65.86	13.90	34.46	4.94	23.53	3.84	9.83	1.26
LG26	41	42	1121.17	2112.79	176.39	537.70	68.30	15.05	35.50	5.21	23.18	3.93	10.18	1.39

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG26	42	43	1121.17	2032.95	171.56	530.71	65.86	13.90	33.43	4.53	20.66	3.52	9.03	1.19
LG26	43	44	1184.50	2088.23	180.62	552.87	68.99	14.01	33.20	4.80	20.54	3.48	9.15	1.19
LG26	44	45	1196.23	2118.93	183.04	558.70	69.34	15.05	34.46	4.66	20.77	3.41	9.15	1.32
LG26	45	46	1190.36	2032.95	175.79	541.20	64.59	14.36	32.39	4.30	19.63	3.46	9.03	1.27
LG26	46	47	1295.91	2198.78	189.08	575.03	69.81	13.66	32.85	4.59	19.97	3.59	9.03	1.28
LG26	47	48	1413.19	2241.77	201.16	610.02	70.39	15.05	33.43	4.39	19.05	3.52	9.95	1.43
LG26	48	49	1342.82	2057.52	202.37	568.03	68.53	13.20	32.39	3.65	17.67	3.51	9.03	1.28
LG26	49	50	1419.06	2155.79	202.37	577.36	63.89	14.36	31.70	3.80	18.94	3.26	9.03	1.43
LG26	50	51	1471.83	2376.89	212.64	597.19	68.07	14.94	33.66	3.90	20.08	3.44	9.83	1.35
LG26	51	52	1524.60	2370.75	218.07	601.85	64.94	13.66	32.16	3.55	16.64	3.33	10.18	1.34
LG26	52	53	1360.42	2125.08	190.29	517.87	56.36	11.23	26.39	3.02	16.18	3.13	7.66	1.18
LG26	53	54	1548.06	1443.33	208.41	558.70	55.89	12.04	26.63	3.20	15.72	3.30	8.58	1.13
LG26	54	55	1389.74	981.47	181.22	488.72	46.61	9.26	20.98	2.36	11.71	2.54	6.86	1.03
LG26	55	56	982.78	767.73	129.27	345.25	33.74	7.06	15.91	1.73	8.95	1.91	5.49	0.89
LG26	56	57	1202.09	1120.27	157.06	422.23	40.12	8.22	18.21	2.23	11.25	2.20	6.63	1.08
LG26	57	58	1202.09	714.91	155.25	401.24	37.11	7.29	15.91	1.80	10.10	1.97	5.95	0.97
LG26	58	59	1378.01	1080.96	178.20	458.39	41.86	7.87	17.40	1.96	9.98	2.08	6.29	0.95
LG26	59	60	1001.55	967.95	127.46	335.92	30.26	5.67	12.22	1.47	7.46	1.60	4.57	0.88
LG26	60	61	1036.73	830.38	131.69	338.25	26.67	5.56	11.76	1.35	6.77	1.47	4.23	0.73
LG26	61	62	1290.05	928.65	159.48	411.73	33.28	5.79	12.91	1.39	7.69	1.60	5.26	0.77
LG26	62	63	1419.06	885.65	176.39	445.56	35.95	6.14	13.37	1.51	8.38	1.65	5.26	0.85
LG26	63	64	1278.32	1076.05	159.48	407.07	33.74	6.37	12.68	1.47	8.49	1.72	5.26	0.89
LG26	64	65	1040.25	965.50	129.88	323.09	25.86	4.63	9.45	1.23	6.89	1.35	3.89	0.74
LG26	65	66	1030.87	1087.11	129.88	324.25	23.19	4.28	8.99	1.13	6.31	1.36	4.12	0.65
LG26	66	67	1040.25	953.21	129.88	312.59	22.15	3.94	9.11	1.18	6.20	1.47	4.12	0.64
LG26	67	68	979.27	869.68	115.50	268.27	18.09	3.36	7.38	1.08	5.74	1.33	3.77	0.58
LG26	68	69	852.61	707.54	109.10	258.94	16.23	3.01	6.80	0.86	4.82	1.16	3.54	0.59
LG26	69	70	805.69	783.70	97.74	218.70	14.26	2.32	5.99	0.80	5.16	1.03	3.43	0.54
LG26	70	71	689.59	829.15	77.20	170.29	10.67	2.08	5.42	0.89	4.48	1.02	2.86	0.45
LG26	71	72	349.49	596.99	38.30	87.71	7.42	1.27	4.15	0.59	4.36	1.03	2.86	0.46
LG26	72	73	282.64	523.28	30.57	70.45	5.80	1.39	3.69	0.65	4.13	0.95	2.97	0.49
LG26	73	74	349.49	616.64	36.61	88.76	6.73	1.62	4.15	0.60	3.79	0.92	2.52	0.41
LG26	74	75	424.54	718.60	45.55	104.97	8.58	1.74	3.92	0.71	4.13	1.00	2.40	0.41
LG26	101	102	12959.14	19408.21	1860.57	4980.46	473.10	77.12	127.94	8.53	23.18	2.29	3.20	0.23
LG26	102	103	22927.71	33288.77	3092.89	8409.63	722.41	122.74	200.56	12.94	36.04	3.67	5.26	0.27
LG26	103	104	17826.15	24935.87	2289.47	5901.91	506.73	83.14	136.59	8.63	25.25	2.54	3.43	0.25
LG26	104	105	14718.30	26164.24	2790.85	8153.03	851.12	160.95	285.85	21.47	60.60	6.75	9.83	0.79
LG26	105	106	8162.50	11706.35	1035.39	2741.00	316.56	70.87	156.76	12.29	35.35	3.94	5.26	0.47
LG26	106	107	12959.14	21557.86	2132.40	6356.80	752.56	182.37	401.11	32.34	91.13	9.46	13.04	0.93
LG26	107	108	19350.75	34025.79	3479.50	10124.22	1072.60	221.16	457.59	36.11	102.37	10.26	14.06	0.99
LG26	108	109	22106.77	34148.63	3298.28	9144.46	926.49	188.16	381.52	41.52	173.30	23.71	39.34	3.44
LG26	109	110	2175.49	2972.65	269.42	751.15	97.29	25.82	77.11	13.53	71.04	11.26	21.15	1.92
LG26	110	111	5242.29	7898.41	723.69	1942.03	189.01	37.40	87.71	12.47	65.88	10.55	19.78	1.92
LG26	111	112	3307.22	4950.32	445.81	1230.54	154.22	40.06	99.59	15.17	78.62	12.03	22.87	2.11
LG26	112	113	8045.22	11055.31	961.70	2542.72	253.95	52.22	115.26	13.58	58.19	8.81	16.47	1.61
LG26	113	114	954.64	1885.54	196.93	627.52	85.34	19.34	47.03	5.58	24.33	3.77	8.80	0.85
LG26	114	115	27794.72	44466.92	4288.97	12305.36	1158.41	220.01	390.74	28.46	88.72	9.68	14.87	0.99
LG26	115	116	19409.39	30217.85	2911.67	8316.32	822.13	160.95	289.31	22.99	72.30	8.12	12.01	0.97
LG26	116	117	3858.42	5478.52	483.26	1265.53	115.84	21.31	39.53	3.42	12.17	1.80	3.20	0.39
LG26	117	118	20113.06	29480.83	2778.77	7628.16	721.25	134.32	246.66	19.82	63.81	7.78	12.69	1.01
LG26	118	119	10226.58	15477.44	1510.20	3930.72	413.97	82.79	163.67	12.64	38.91	4.65	7.32	0.51
LG26	119	120	23044.99	32060.40	2766.69	7068.29	534.56	96.34	176.93	13.00	41.55	5.03	7.66	0.71
LG26	120	121	34479.52	48029.19	4204.40	10789.06	841.85	149.37	266.25	19.94	59.22	6.53	10.41	0.75
LG26	121	122	17943.43	27515.44	2609.63	6671.72	542.68	101.32	182.69	13.11	39.25	4.38	6.29	0.45
LG26	122	123	20699.44	29849.34	2657.95	6671.72	564.71	115.79	216.12	16.35	47.40	4.90	6.63	0.58
LG26	123	124	6051.51	10441.13	1054.72	3032.60	344.39	73.64	148.11	15.06	57.27	7.31	11.78	0.94

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG26	124	125	2333.82	4127.32	431.31	1300.52	164.08	36.82	78.38	8.24	34.43	5.11	8.69	0.83
LG26	125	126	4820.10	8230.07	816.72	2326.94	258.58	57.09	115.26	10.99	41.89	5.30	8.12	0.69
LG26	126	127	6098.42	9863.79	939.95	2612.70	278.30	56.97	115.03	10.15	33.74	4.15	6.06	0.48
LG26	127	128	871.37	1572.31	156.46	456.06	60.76	15.05	38.96	6.81	42.58	7.31	14.52	1.23
LG26	128	129	4304.08	7222.80	722.48	2093.66	256.26	59.29	125.64	12.29	49.58	6.84	11.21	0.90
LG26	129	130	756.44	1492.47	152.83	480.55	79.66	24.78	69.73	10.94	61.98	10.48	17.95	1.45
LG26	130	131	1565.65	2555.01	247.67	763.98	121.17	31.50	72.61	8.99	43.61	6.40	10.52	0.78
LG26	131	132	1112.96	2155.79	218.68	687.00	101.69	25.59	56.94	6.12	26.63	3.77	6.86	0.47
LG26	132	133	3881.88	6080.42	558.17	1522.13	184.95	44.70	97.40	9.10	29.84	3.51	5.15	0.41
LG26	133	134	4691.09	7161.38	654.82	1842.89	226.70	58.01	129.09	13.53	47.86	5.56	8.00	0.71
LG26	134	135	9194.54	13634.88	1155.00	3277.54	291.05	64.73	138.89	13.35	40.86	4.65	7.09	0.45
LG26	135	136	8244.59	12406.52	1063.18	3137.58	339.75	85.80	206.89	21.64	68.52	7.29	10.63	0.69
LG26	136	137	11164.80	16521.55	1353.14	3942.38	391.93	97.38	231.68	27.52	93.65	10.22	14.64	1.16
LG26	137	138	10683.96	16153.04	1377.30	4059.02	349.03	71.33	159.06	16.76	58.30	6.62	9.49	0.70
LG26	138	139	15949.71	23031.90	1860.57	5365.37	427.88	90.20	201.71	19.94	64.96	7.21	10.29	0.69
LG26	139	140	47849.13	61418.40	4856.81	12655.27	760.68	136.06	260.49	22.17	59.22	5.98	8.80	0.61
LG26	140	141	5465.12	8758.26	778.06	2402.75	229.01	47.01	97.17	9.63	34.32	4.58	7.32	0.61
LG26	141	142	5042.92	8058.09	722.48	2274.45	260.90	59.98	133.70	13.11	46.14	6.09	10.52	0.86
LG26	142	143	757.61	1265.22	111.88	352.25	37.34	8.34	20.75	2.46	11.59	1.91	3.77	0.37
LG26	143	144	696.63	1345.06	132.29	447.89	53.57	13.66	33.31	4.20	17.10	2.28	3.89	0.34
LG26	144	145	1553.92	2370.75	209.01	641.51	64.47	15.28	36.31	4.46	17.33	2.30	4.23	0.29
LG26	145	146	1360.42	2149.64	188.47	559.86	48.93	11.23	25.36	3.13	13.77	2.19	3.66	0.46
LG26	146	147	793.97	1295.93	120.82	402.40	51.72	12.97	31.24	4.06	17.10	2.58	4.92	0.45
LG26	147	148	737.67	1627.59	171.56	600.69	68.99	15.28	33.77	3.23	12.97	1.72	2.86	0.26
LG26	148	149	365.91	679.29	64.39	213.45	26.21	5.67	13.60	1.71	7.46	1.18	2.06	0.21
LG26	149	150	702.49	1207.49	117.07	401.24	50.21	12.51	29.16	3.32	13.77	1.80	3.09	0.29
LG26	150	151	389.36	765.27	80.46	279.93	36.99	8.92	20.86	2.48	11.94	1.81	3.54	0.33
LG26	151	152	4210.25	5994.44	498.97	1376.33	108.54	22.93	52.56	5.02	15.61	1.95	3.09	0.22
LG26	152	153	496.08	759.13	63.43	183.12	17.28	4.17	10.49	1.25	4.13	0.52	0.91	0.08
LG26	153	154	256.84	485.21	46.76	152.21	19.02	4.40	12.22	2.08	14.12	2.41	4.57	0.33
LG26	154	155	521.88	856.17	77.56	241.44	24.81	5.44	13.02	1.62	8.15	1.42	2.97	0.19
LG26	155	156	562.93	1037.97	102.33	337.09	41.51	10.54	26.28	3.49	19.28	3.31	6.29	0.64
LG26	156	157	704.84	1042.88	87.95	258.94	25.28	5.33	15.45	2.02	9.98	1.50	2.40	0.16
LG26	157	158	2615.28	3562.27	288.75	787.31	62.85	14.47	34.92	3.99	12.97	1.47	1.94	0.13
LG26	158	159	1202.09	1774.99	146.79	426.90	39.89	8.57	21.44	2.34	10.67	1.41	2.29	0.17
LG26	159	160	1747.43	2505.87	206.60	607.69	59.49	12.74	29.62	3.14	12.85	1.86	3.54	0.27
LG26	160	161	439.79	894.25	87.83	300.93	38.03	8.92	21.67	2.78	13.66	2.07	5.03	0.57
LG26	161	162	9874.75	13512.05	1059.56	2845.98	215.68	47.13	104.08	9.36	28.35	2.82	3.77	0.50
LG26	162	163	6989.73	9581.27	751.48	1977.02	128.71	25.59	56.25	5.53	16.30	1.63	2.06	0.10
LG26	163	164	5242.29	7321.07	579.92	1527.96	105.87	20.84	45.18	4.54	13.89	1.42	1.94	0.09
LG26	164	165	5617.58	7947.54	641.53	1749.58	131.61	28.14	67.08	7.19	21.81	2.39	3.32	0.19
LG26	165	166	1952.67	2726.98	221.70	626.35	52.41	10.77	27.55	3.32	11.48	1.17	1.60	0.07
LG26	166	167	4878.74	6928.00	572.67	1580.45	124.07	24.55	56.59	6.35	21.46	2.51	3.20	0.19
LG26	167	168	4374.44	6215.54	517.09	1417.16	110.16	22.35	50.37	5.80	19.74	2.03	2.52	0.17
LG26	168	169	2931.93	4274.72	338.29	902.78	61.11	12.39	25.01	2.71	9.98	1.00	1.37	0.07
LG26	169	170	5300.93	7566.75	662.07	1714.59	136.83	27.33	62.13	6.02	19.40	1.90	2.97	0.18
LG26	170	171	14014.64	20513.74	1812.24	4478.92	310.76	55.70	114.45	10.43	33.05	3.46	5.15	0.37
LG26	171	172	4609.00	6645.47	585.96	1527.96	126.97	25.82	64.20	7.35	25.59	3.05	4.57	0.29
LG26	172	173	751.75	1101.85	92.67	242.61	21.57	5.44	12.68	1.72	8.15	1.07	1.60	0.14
LG26	173	174	1166.91	1603.02	138.94	370.91	33.98	8.11	16.83	2.05	9.18	1.16	1.60	0.15
LG26	174	175	1030.87	1412.62	121.42	318.42	27.48	6.72	14.18	1.83	9.07	1.21	1.94	0.17
LG26	176	177	1313.51	1848.69	155.85	412.90	38.73	9.49	20.52	2.46	11.36	1.42	1.94	0.18
LG26	177	178	2732.56	4999.46	519.51	1592.12	167.56	37.52	67.43	5.43	19.28	2.50	3.77	0.32
LG26	178	179	646.20	912.68	81.07	222.78	20.41	5.09	11.53	1.16	4.82	0.57	1.03	0.09
LG26	179	180	783.41	1375.77	137.73	424.56	51.95	14.13	34.00	3.86	15.38	2.21	3.54	0.32
LG26	180	181	185.30	303.41	26.34	74.65	8.46	2.20	5.76	0.71	2.98	0.34	0.57	0.09

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG26	182	183	885.44	1431.05	136.52	400.07	44.18	10.42	22.59	2.32	10.33	1.52	3.43	0.38
LG26	183	184	621.57	920.05	84.57	247.27	27.25	6.83	14.75	1.59	6.08	0.85	1.72	0.22
LG26	184	185	370.60	565.05	53.52	165.04	19.94	5.33	12.45	1.38	6.54	0.96	1.72	0.18
LG26	185	186	426.89	603.13	54.49	153.38	16.93	4.28	9.57	1.25	5.39	0.68	1.03	0.11
LG26	186	187.2	406.95	639.98	54.97	159.21	18.09	4.75	11.99	1.43	5.16	0.60	0.91	0.09
LG28	0	1.2	499.60	1004.80	87.47	261.27	34.90	7.76	23.28	3.35	16.41	2.96	8.12	1.02
LG28	1.2	2	433.93	1137.47	69.11	172.04	16.00	3.36	7.61	0.93	4.59	0.78	1.94	0.29
LG28	2	3	713.05	1265.22	123.84	335.92	31.89	6.72	15.68	1.82	8.38	1.43	3.54	0.45
LG28	3	4	702.49	1566.17	110.18	284.60	23.42	4.40	10.83	1.27	6.31	1.11	3.20	0.41
LG28	4	5	2685.65	5662.78	455.48	1189.71	101.58	17.72	39.88	4.10	16.87	2.78	6.63	0.90
LG28	5	6	1360.42	3414.86	264.59	712.66	62.15	11.35	27.78	2.99	13.66	2.25	5.37	0.77
LG28	6	7	4210.25	8598.58	898.87	2274.45	168.14	29.06	61.67	5.81	22.38	3.45	7.78	0.94
LG28	7	8.15	3612.14	7087.68	641.53	1650.43	141.47	27.21	61.90	6.81	30.76	4.94	11.43	1.51
LG28	8.15	9.35	3670.78	11976.59	782.89	2029.51	185.53	35.43	86.68	10.41	47.63	8.11	19.44	2.41
LG28	9.35	10	1935.08	4176.45	370.91	991.43	85.34	17.14	35.62	4.10	19.05	3.12	7.32	1.06
LG28	10	11	1870.57	3341.16	370.91	1029.92	95.90	18.41	39.77	4.05	16.41	2.55	5.83	0.75
LG28	11	12	796.31	1206.26	144.38	401.24	37.11	7.41	15.33	1.54	6.66	1.12	2.74	0.34
LG28	12	13	1243.14	2211.06	244.05	670.67	58.33	11.12	23.97	2.47	10.90	1.73	4.46	0.62
LG28	13	14	5277.48	7198.24	977.40	2624.37	215.10	44.12	101.66	10.30	41.20	6.35	13.38	1.50
LG28	14	15	6391.61	8131.80	1129.63	3125.91	251.63	50.25	118.72	11.66	46.83	7.21	15.67	1.68
LG28	15	16	12431.39	11509.81	2102.20	5820.26	434.84	83.83	196.52	19.05	78.27	12.09	24.47	2.68
LG28	16	17	10988.88	8930.23	1643.10	4280.63	293.37	54.65	116.41	11.26	48.66	7.46	17.27	2.04
LG28	17	17.5	3940.52	3611.40	341.91	881.79	72.36	15.40	38.27	4.49	20.54	3.45	8.46	1.06
LG28	17.5	18	1389.74	2272.48	211.43	601.85	58.09	12.51	30.43	3.53	16.64	2.88	6.98	0.95
LG28	18	19	2931.93	4016.76	467.56	1248.03	100.65	21.77	47.14	5.13	21.23	3.62	8.35	1.07
LG28	19	20	2685.65	3807.94	462.73	1265.53	104.59	22.23	47.72	5.06	21.69	3.61	8.46	1.04
LG28	20	21	611.01	1369.63	90.13	257.77	25.05	5.91	14.41	1.67	8.26	1.60	3.77	0.50
LG28	21	22	4691.09	6596.34	721.27	2163.64	202.92	48.98	135.43	15.64	71.16	13.00	28.70	3.41
LG28	22	23	358.87	748.08	60.89	177.29	17.51	3.82	9.11	1.11	4.82	0.84	2.06	0.27
LG28	23	24	304.92	449.58	51.35	149.30	16.12	3.36	8.41	0.89	4.48	0.78	1.83	0.23
LG28	24	25	2052.35	2960.37	310.50	863.12	80.01	15.86	38.73	4.03	18.59	2.93	6.52	0.72
LG28	25	26	9241.45	13634.88	1528.32	4035.69	291.05	52.69	119.87	11.50	53.71	8.39	18.18	1.99
LG28	26	27.1	3131.30	7333.36	662.07	1673.76	138.57	26.98	65.58	6.87	30.07	4.73	9.38	1.01
LG28	27.1	28.3	954.64	1725.86	161.29	474.72	59.25	14.01	39.42	5.09	25.82	4.40	10.18	1.24
LG28	28.3	29	892.48	1283.64	147.40	397.74	34.21	6.83	15.68	1.74	7.80	1.32	2.63	0.31
LG28	29	30	168.88	303.41	30.45	91.44	10.44	2.08	5.53	0.61	3.33	0.50	1.26	0.13
LG28	30	31	231.04	442.21	42.29	134.13	16.81	3.82	9.57	1.14	5.28	0.88	1.94	0.19
LG28	31	32	276.77	638.75	54.61	170.29	21.45	4.98	12.45	1.42	6.66	1.12	2.40	0.22
LG28	32	33	1138.76	2327.76	222.30	639.18	61.46	11.93	25.13	2.43	11.36	1.66	3.54	0.38
LG28	33	34	4257.17	7247.37	798.59	1883.71	133.93	22.35	42.42	3.58	16.30	2.44	5.26	0.59
LG28	34	35	153.63	393.08	30.57	93.08	13.45	3.13	8.18	1.00	4.59	0.72	1.49	0.14
LG28	35	36	276.77	701.40	58.96	187.20	25.39	5.79	14.29	1.68	7.69	1.19	2.40	0.23
LG28	36	37	270.91	594.53	51.23	163.29	20.18	4.86	11.99	1.43	6.77	1.02	2.40	0.24
LG28	37	38	140.73	491.35	34.80	113.37	17.39	4.17	10.37	1.32	5.97	1.02	2.29	0.24
LG28	38	39	869.02	1719.72	166.73	534.20	80.36	18.76	48.18	5.61	25.36	3.54	6.86	0.64
LG28	39	40	779.89	1103.07	149.21	454.89	59.72	13.78	31.35	3.54	16.18	2.37	4.92	0.54
LG28	40	41	443.31	896.71	94.60	311.42	43.95	9.73	22.94	2.72	11.59	1.58	3.32	0.38
LG28	41	42	338.93	662.09	73.46	243.77	40.01	9.26	25.01	3.12	14.81	2.15	4.35	0.43
LG28	42	43	2292.77	4950.32	549.71	1539.63	147.27	27.21	56.48	5.30	21.92	2.90	5.37	0.54
LG28	43	44	6696.53	10232.30	993.11	2414.42	168.72	25.71	45.41	3.28	12.51	1.58	2.97	0.29
LG28	44	45	5828.68	10207.74	1019.69	2659.36	183.79	27.67	46.68	3.00	11.59	1.29	2.17	0.18
LG28	45	46	11129.61	18057.01	1618.94	3977.37	253.95	38.44	69.39	4.87	19.51	2.53	5.03	0.42
LG28	46	47	2339.68	3955.34	389.03	1047.41	84.42	12.39	25.24	1.83	7.12	0.90	1.37	0.10
LG28	47	48	1501.15	2518.15	258.55	760.48	88.24	17.72	43.68	4.70	20.77	3.13	6.17	0.65
LG28	48	49	2896.75	5392.54	538.84	1382.17	113.29	18.53	33.31	2.52	9.41	1.19	2.29	0.23
LG28	49	50	8725.43	13327.79	1244.41	3067.59	208.14	30.11	54.40	3.47	12.51	1.62	3.54	0.32

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG28	50	51	3037.48	5883.88	628.24	1679.59	156.54	28.48	56.36	4.94	20.54	2.77	4.92	0.47
LG28	51	52	5500.30	9286.46	926.66	2262.79	168.72	27.33	54.29	4.47	19.28	2.66	5.37	0.57
LG28	52	53	1770.89	3537.70	363.66	1036.92	98.22	17.48	35.04	3.03	12.51	1.55	2.97	0.30
LG28	53	54	6473.71	10576.25	1040.23	2624.37	195.97	31.61	62.59	4.76	18.82	2.23	4.35	0.39
LG28	54	55	2849.84	4974.89	495.35	1300.52	105.64	17.72	34.12	2.73	10.21	1.40	2.63	0.29
LG28	55	56	3260.31	6043.57	518.30	1527.96	126.97	23.97	41.61	4.74	12.40	1.39	2.86	0.18
LG28	56	57	11633.91	17627.08	1461.88	3557.47	241.19	53.15	119.87	18.88	71.85	10.00	20.13	1.74
LG28	57	58	2116.86	4557.24	434.94	1364.67	125.23	24.55	47.49	5.46	17.56	2.35	4.23	0.39
LG28	58	59	546.51	1171.86	125.04	468.89	76.42	19.92	48.41	5.86	25.82	3.75	7.78	0.83
LG28	59	60	571.14	1089.56	103.66	340.58	40.82	10.31	23.28	3.26	12.62	2.08	4.80	0.57
LG28	60	61	478.49	1068.68	122.63	447.89	64.47	16.79	37.92	4.69	21.23	3.34	7.20	0.87
LG28	61	62	297.88	603.13	59.92	209.37	28.76	7.76	16.48	2.35	10.90	1.72	4.12	0.51
LG28	62	63	398.74	792.30	81.43	264.77	33.86	8.92	19.94	2.46	10.44	1.65	4.35	0.49
LG28	63	64	296.71	584.70	55.58	181.37	21.57	5.09	11.64	1.61	7.23	1.15	2.29	0.24
LG28	64	65	337.76	627.70	65.48	217.53	28.06	6.25	15.33	2.03	8.15	1.18	2.74	0.31
LG28	65	66	3225.13	5908.45	537.63	1609.61	144.37	28.25	60.63	7.17	26.97	3.24	6.75	0.57
LG28	66	67	3131.30	6240.11	578.71	1743.75	140.31	27.91	51.18	6.01	19.74	2.63	5.26	0.49
LG28	67	68	262.70	558.91	57.03	190.70	24.47	5.79	14.75	1.81	8.38	1.25	3.66	0.48
LG28	68	69.2	383.50	804.58	81.31	277.60	36.29	7.99	19.59	2.55	11.02	1.76	3.77	0.50
LG28	69.2	70	328.38	649.81	64.15	200.62	24.12	6.72	15.21	1.94	9.30	1.37	3.20	0.45
LG28	70	71	460.90	985.15	99.91	333.59	36.76	7.41	16.14	1.94	7.12	0.95	2.40	0.25
LG28	71	72	718.91	1566.17	149.21	481.72	48.47	9.38	18.67	2.05	6.20	0.68	1.26	0.13
LG28	72	73	1565.65	3206.04	291.17	872.46	70.62	13.90	24.90	2.85	7.92	0.79	1.72	0.09
LG28	73	74	4620.73	9212.76	830.01	2414.42	167.56	27.91	44.26	5.13	10.67	1.15	2.86	0.16
LG28	74	75	5136.75	9323.31	844.50	2507.73	190.75	34.85	58.21	6.48	15.26	1.74	3.43	0.27
LG28	75	76	3342.40	6227.83	579.92	1761.24	151.90	29.18	52.10	5.20	13.43	1.43	2.97	0.25
LG28	76	77	1202.09	2579.57	237.40	718.49	59.14	11.46	21.21	2.31	8.72	1.07	2.63	0.26
LG28	77	78	799.83	1830.27	180.62	615.85	75.84	17.72	35.73	3.85	15.61	1.89	3.89	0.54
LG28	78	79	1063.71	2776.11	289.96	976.26	95.90	18.64	36.19	3.80	14.23	1.80	3.43	0.30
LG28	79	80	1057.84	2726.98	280.29	924.94	86.16	16.33	29.85	3.35	10.56	1.48	3.09	0.26
LG28	80	81	300.23	593.30	58.11	188.37	22.84	4.52	11.41	1.36	6.08	0.95	1.83	0.17
LG28	81	82	361.21	718.60	73.09	249.61	35.60	8.34	20.98	2.53	11.71	1.78	3.43	0.37
LG28	82	83	3096.12	5933.02	541.26	1644.60	147.27	30.11	58.78	6.86	24.33	3.10	6.17	0.51
LG28	83	84	710.70	1486.33	137.73	421.06	38.27	7.41	14.06	1.46	4.82	0.57	1.03	0.08
LG28	84	85	572.31	1139.93	118.76	334.75	30.61	5.67	11.30	1.29	4.82	0.70	1.49	0.16
LG28	85	86	281.47	577.33	60.77	200.62	24.23	6.37	14.41	1.73	7.69	1.26	2.86	0.29
LG28	86	87	308.44	617.87	66.33	219.86	27.95	7.06	18.21	2.15	9.98	1.31	3.20	0.31
LG28	87	88	206.41	416.42	45.19	149.88	20.52	5.09	11.53	1.47	6.54	1.01	2.29	0.27
LG28	88	89	272.08	498.72	54.85	164.46	16.47	3.82	8.99	1.00	4.82	0.65	1.60	0.17
LG28	89	90	235.73	511.00	56.54	180.79	21.92	4.75	10.72	1.21	4.59	0.63	1.60	0.16
LG28	90	91	537.13	1351.20	146.79	473.55	54.50	11.81	24.67	3.07	10.56	1.35	2.40	0.21
LG28	91	92	643.85	1449.47	147.40	457.22	47.77	11.12	27.43	3.88	16.18	2.46	4.92	0.46
LG28	92	93	358.87	759.13	81.31	277.60	37.11	9.38	24.90	3.34	15.03	2.21	4.35	0.43
LG28	93	94	7494.02	13082.12	1145.34	3032.60	202.34	36.13	66.74	9.07	23.18	3.06	6.06	0.54
LG28	94	95.2	8314.96	18671.19	2126.36	6076.86	473.10	79.43	143.50	15.06	41.32	4.30	8.12	0.65
LG28	95.2	96.4	9816.11	17197.15	1612.90	4047.36	267.86	43.07	82.07	10.24	25.94	3.00	6.75	0.53
LG28	96.4	97.6	8479.15	19531.05	2210.93	6426.78	500.93	83.14	145.81	14.82	40.17	4.35	8.69	0.53
LG28	97.6	98.3	1876.44	4176.45	439.77	1452.15	158.86	30.69	65.81	8.27	33.51	4.31	8.35	0.85
LG28	98.3	99.35	375.29	755.45	77.20	257.77	31.31	6.83	16.94	2.25	9.41	1.50	3.09	0.35
LG28	99.35	100	3377.59	6019.00	561.79	1609.61	135.09	24.66	45.64	5.47	16.18	1.98	3.66	0.31
LG28	100	101	1524.60	3070.92	297.21	954.10	108.07	20.61	43.57	5.15	18.25	2.08	3.43	0.27
LG28	101	102	1483.56	2800.68	242.84	688.17	57.40	9.61	20.40	2.49	7.92	0.99	2.17	0.23
LG28	102	103	1372.14	2628.71	231.97	684.67	60.53	11.46	24.67	3.07	11.02	1.34	2.63	0.31
LG28	103	104	1929.21	3795.66	368.49	1147.72	124.65	26.17	59.71	7.61	32.25	4.54	8.92	0.88
LG28	104	105	1395.60	2702.41	251.30	748.82	71.78	14.71	29.74	3.88	15.49	2.25	4.69	0.42
LG28	105	105.8	368.25	761.59	78.65	254.27	30.15	6.95	15.79	2.11	8.72	1.40	2.97	0.33

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG28	105.8	106.4	179.43	336.57	33.35	108.94	12.29	2.55	6.80	0.87	3.79	0.56	1.37	0.16
LG28	106.4	107	654.41	1228.37	112.72	314.92	24.58	4.63	8.07	1.02	3.21	0.32	0.91	0.08
LG28	107	108	347.14	653.49	61.74	181.37	18.67	3.47	7.15	0.89	2.98	0.45	1.03	0.08
LG28	108	109	437.44	804.58	97.26	324.25	40.82	8.92	21.32	2.94	12.40	1.68	2.97	0.33
LG28	109	110.2	2943.66	5650.49	527.97	1516.30	132.19	23.74	47.60	4.86	14.58	1.60	2.74	0.23
LG28	110.2	111.36	4010.88	7579.03	688.65	1953.69	162.92	29.30	57.40	6.26	17.33	1.94	3.32	0.23
LG28	111.36	112	1049.63	1977.67	171.56	487.55	36.06	6.72	13.72	1.45	3.90	0.41	0.91	0.03
LG28	112	113	1068.40	2039.09	180.62	529.54	62.27	14.01	29.62	2.79	8.03	0.78	1.60	0.10
LG28	113	114	1028.52	2229.49	221.09	755.82	139.15	35.20	72.50	5.62	16.07	1.60	2.40	0.23
LG28	114	115	4280.62	6240.11	490.51	1271.36	82.79	14.94	27.89	3.59	9.53	1.09	2.06	0.14
LG28	115	116	191.16	339.03	34.55	109.99	14.03	2.66	6.69	0.65	2.75	0.41	0.91	0.11
LG28	116	117	172.40	319.38	31.90	100.66	12.29	2.43	6.69	0.73	2.98	0.37	0.91	0.07
LG28	117	118	231.04	442.21	42.77	134.72	13.91	3.13	6.69	1.02	4.59	0.55	1.26	0.14
LG28	118	119	166.53	298.49	29.12	89.46	10.32	2.43	4.96	0.75	3.33	0.49	1.03	0.09
LG28	119	120	165.36	288.67	26.34	81.76	9.74	1.51	4.50	0.62	2.18	0.26	0.80	0.03
LG28	120	121	164.19	313.23	33.22	112.67	14.61	3.36	7.95	0.86	4.48	0.68	1.60	0.17
LG28	121	122	158.32	287.44	28.63	91.21	10.09	1.85	4.50	0.69	2.64	0.42	1.14	0.13
LG28	122	123	213.44	404.13	40.11	125.39	14.03	3.01	6.80	0.87	3.44	0.50	1.03	0.08
LG28	123	124	276.77	571.19	59.68	197.70	24.35	4.86	11.30	1.51	5.51	0.79	1.37	0.16
LG28	124	125	791.62	1424.91	125.65	367.41	35.48	7.06	14.87	1.67	4.94	0.53	1.14	0.09
LG28	125	126.05	463.25	866.00	84.09	246.11	23.77	4.28	9.11	1.15	3.90	0.55	0.91	0.08
LG30	0	1	252.15	341.49	55.45	201.20	28.06	7.99	25.01	3.43	18.25	3.32	7.78	0.95
LG30	1	2	234.55	366.05	54.49	202.95	30.96	7.41	22.71	3.38	16.41	3.23	7.66	0.97
LG30	2	3	191.16	346.40	49.05	179.62	29.57	7.53	21.55	3.09	14.92	2.59	6.29	0.78
LG30	3	4	229.86	450.81	54.61	191.29	28.99	7.18	21.32	3.22	16.64	2.94	8.35	1.22
LG30	4	5	242.76	551.54	56.18	200.62	29.57	6.25	19.36	2.80	12.74	2.33	6.52	0.83
LG30	5	6	216.96	536.80	50.62	180.79	27.71	6.37	19.36	2.48	12.51	2.39	6.06	0.88
LG30	6	7	215.79	551.54	50.14	177.29	26.55	5.91	17.64	2.43	14.35	2.46	7.32	1.02
LG30	7	8	239.25	643.66	56.66	195.95	30.38	6.60	20.52	2.92	16.53	3.07	7.89	1.14
LG30	8	9	263.87	751.76	63.79	228.61	34.67	7.64	23.28	3.25	16.99	3.37	9.03	1.13
LG30	9	10	270.91	772.64	65.00	236.78	35.02	7.87	24.09	3.38	18.02	3.48	9.49	1.35
LG30	10	11.1	296.71	670.69	63.55	211.70	29.34	7.29	23.86	3.00	15.26	2.90	7.55	1.01
LG30	11.1	12.3	106.72	266.56	21.75	69.63	10.55	2.55	9.68	1.38	7.12	1.34	3.66	0.50
LG30	12.3	13.45	83.27	201.45	16.43	50.27	7.89	1.85	6.34	0.94	5.62	1.09	3.20	0.41
LG30	13.45	14.2	59.81	210.05	11.24	36.04	4.99	1.27	3.92	0.59	3.44	0.69	2.17	0.30
LG30	14.2	15	50.43	216.19	9.67	32.54	4.64	1.16	3.92	0.68	3.33	0.69	2.40	0.32
LG30	15	16	59.81	240.76	12.20	38.49	5.22	1.27	4.03	0.60	4.48	0.80	2.17	0.33
LG30	16	17	46.91	158.46	9.18	28.11	4.17	0.93	3.57	0.53	3.21	0.71	2.17	0.27
LG30	17	18	37.53	121.61	7.61	26.24	3.94	1.04	2.65	0.42	2.52	0.56	1.37	0.24
LG30	18	19	22.28	73.70	4.23	14.81	2.20	0.46	1.38	0.21	1.26	0.25	0.80	0.13
LG30	19	20	34.01	109.32	6.89	21.34	2.90	0.93	2.19	0.34	2.52	0.49	1.83	0.24
LG30	20	21	127.83	377.11	25.61	85.96	9.86	2.32	6.92	0.87	4.94	1.08	2.63	0.41
LG30	21	22	118.45	352.54	23.92	79.20	10.20	2.43	7.03	0.87	5.05	1.00	2.74	0.40
LG30	22	23	46.91	133.89	9.91	31.38	4.52	0.93	2.77	0.32	2.30	0.53	1.14	0.21
LG30	23	24.1	12.90	44.22	3.02	10.26	1.39	0.46	1.27	0.21	1.03	0.17	0.46	0.08
LG30	24.1	25.3	14.07	65.10	3.26	10.85	1.74	0.46	1.38	0.22	1.03	0.24	0.69	0.08
LG30	25.3	26.5	53.95	211.28	12.20	34.41	4.64	1.16	2.88	0.34	1.84	0.36	0.91	0.14
LG30	26.5	27.2	477.32	1375.77	122.02	383.74	68.53	17.72	45.87	4.68	19.74	3.09	6.98	0.79
LG30	27.2	28	119.62	556.45	27.91	87.48	14.15	3.94	9.34	1.14	5.16	0.94	2.52	0.29
LG30	28	29	284.98	895.48	63.19	196.54	31.19	8.11	19.59	2.07	10.21	1.62	3.54	0.45
LG30	29	30	725.95	1774.99	164.31	508.54	82.79	21.31	52.21	5.23	22.27	3.43	7.78	0.89
LG30	30	31	256.84	746.85	55.94	182.54	30.38	7.99	20.17	2.20	10.21	1.68	4.00	0.46
LG30	31	32	321.34	848.80	49.17	151.63	23.77	5.79	17.29	2.08	10.56	1.72	4.35	0.58
LG30	32	33	382.32	923.73	56.78	168.54	25.86	6.02	16.48	1.83	8.95	1.60	3.77	0.48
LG30	33	34	500.77	1314.35	74.42	218.70	31.89	7.87	20.63	2.26	11.25	1.78	4.23	0.53
LG30	34	35	572.31	1308.21	117.55	383.74	58.09	14.94	36.77	3.90	17.10	2.37	4.69	0.51

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG30	35	36	80.92	386.94	28.75	105.32	18.32	4.86	11.53	1.51	6.43	0.96	1.94	0.23
LG30	36	37	37.53	425.02	16.07	64.27	12.18	3.36	8.88	1.07	4.94	0.73	1.49	0.24
LG30	37	38	18.76	345.17	6.64	27.41	6.03	1.97	5.42	0.79	4.36	0.71	1.60	0.18
LG30	38	39	25.80	185.48	7.49	26.13	5.10	1.51	4.03	0.56	2.75	0.44	1.26	0.15
LG30	39	40	23.46	281.30	5.56	19.48	3.59	1.04	3.00	0.40	2.30	0.42	0.91	0.15
LG30	40	41	94.99	458.18	28.88	98.44	14.61	3.71	9.11	1.07	5.05	0.76	1.72	0.21
LG30	41	42	1184.50	1996.10	139.54	373.24	45.11	10.77	26.16	2.67	12.40	1.97	4.12	0.48
LG30	42	43	16.42	81.07	4.35	14.35	2.32	0.69	2.31	0.32	1.95	0.34	0.91	0.10
LG30	43	44	78.58	429.93	18.12	61.47	12.52	3.47	9.57	1.09	5.74	0.96	2.40	0.23
LG30	44	45	632.12	1854.84	152.83	522.54	88.48	26.75	78.15	8.92	43.84	6.99	15.32	1.59
LG30	45	46	1407.33	3648.25	366.07	1288.86	226.12	59.40	144.08	14.23	61.75	9.29	19.32	2.08
LG30	46	47	3905.33	8758.26	1032.98	3475.83	528.76	134.90	323.89	31.87	136.57	20.73	43.22	4.39
LG30	47	48	3963.97	9200.48	1133.26	3557.47	448.75	111.51	278.93	29.87	137.72	20.73	43.80	4.41
LG30	48	49	1436.65	2849.81	335.87	1070.74	118.86	25.71	61.67	6.19	26.97	4.07	8.69	0.96
LG30	49	50	1067.22	2075.94	218.07	657.84	77.69	19.11	46.45	4.78	20.43	3.09	6.75	0.70
LG30	50	51	187.64	405.36	51.23	182.54	23.08	5.79	14.64	1.47	7.57	1.21	2.74	0.29
LG30	51	52	139.56	293.58	33.59	108.59	14.61	3.36	7.95	0.81	3.44	0.55	1.37	0.14
LG30	52	53	98.51	206.37	22.59	75.00	10.90	2.78	5.88	0.67	3.10	0.54	1.26	0.11
LG30	53	54	63.33	153.55	16.19	57.50	8.23	2.08	5.07	0.65	2.75	0.50	1.14	0.11
LG30	54	55	2990.57	5601.36	630.66	2047.01	318.88	83.83	190.18	19.58	74.83	10.52	19.10	1.87
LG30	55	56	138.39	264.10	29.60	104.97	18.32	5.44	12.22	1.47	5.85	0.87	1.83	0.16
LG30	56	57	63.33	137.58	14.98	52.14	8.58	2.20	5.19	0.64	2.98	0.47	1.03	0.08
LG30	57	58	831.50	1664.44	173.98	606.52	82.91	22.12	53.25	6.63	29.84	4.72	9.49	0.98
LG30	58	59	321.34	621.55	65.00	218.11	28.53	7.29	16.48	1.68	7.69	1.15	2.17	0.26
LG30	59	60	401.09	773.87	76.11	254.27	34.79	8.22	16.37	1.55	6.43	0.93	1.94	0.17
LG30	60	61	796.31	1381.91	165.52	549.37	75.72	19.68	45.99	5.33	25.02	3.75	8.35	0.97
LG30	61	62	302.58	869.68	89.28	299.76	32.12	7.53	13.72	1.32	5.28	0.66	1.37	0.17
LG30	62	63	148.94	366.05	41.44	139.38	16.35	3.59	7.15	0.79	3.33	0.49	1.14	0.14
LG30	63	64	580.52	1041.66	95.69	290.43	40.70	9.96	20.86	1.92	7.80	1.00	2.17	0.26
LG30	64	65	3014.03	5503.09	542.46	1691.26	243.51	62.30	143.50	15.17	60.14	7.57	14.64	1.38
LG30	65	66	1501.15	2972.65	344.33	1160.55	169.30	44.35	109.38	12.88	60.94	8.90	19.32	1.87
LG30	66	67	2462.82	5146.86	564.21	1819.56	262.06	68.09	153.30	17.05	73.68	10.16	21.15	2.03
LG30	67	68	1213.82	2254.06	247.67	819.97	117.70	32.42	84.95	11.20	54.40	8.09	15.55	1.45
LG30	68	69	1894.03	3709.67	382.99	1236.37	166.98	42.38	100.16	11.54	49.12	6.66	13.49	1.48
LG30	69	70	1172.77	2180.35	221.70	713.83	99.03	25.24	63.39	7.16	33.63	4.98	11.66	1.23
LG30	70	71	609.84	1136.24	125.04	426.90	61.80	16.79	40.57	4.90	23.87	3.73	9.61	1.21
LG30	71	72	662.62	1120.27	131.09	458.39	66.79	17.83	43.22	5.22	24.33	3.79	9.83	1.26
LG30	72	73	765.82	1198.89	140.75	480.55	72.36	19.68	51.52	6.29	27.77	4.49	9.95	1.13
LG30	73	74	255.66	503.63	54.85	186.04	29.34	8.68	22.82	2.65	12.40	1.82	4.00	0.45
LG30	74	75	49.26	110.55	12.56	42.22	8.81	2.32	4.96	0.55	1.95	0.34	0.69	0.07
LG30	75	76	458.55	1114.13	120.82	426.90	76.65	21.31	50.37	5.92	24.22	3.21	6.29	0.58
LG30	76	77	91.48	200.22	22.47	76.98	13.91	3.94	9.22	1.07	4.94	0.76	1.60	0.23
LG30	77	78	46.91	105.64	11.12	37.56	6.38	1.74	4.15	0.45	1.95	0.32	0.69	0.13
LG30	78	79	167.71	388.16	39.63	131.22	20.29	5.91	13.26	1.48	5.85	0.79	1.72	0.22
LG30	79	80	35.18	61.42	6.40	20.65	3.59	1.27	2.88	0.35	1.49	0.22	0.57	0.09
LG30	80	81	111.41	211.28	18.85	57.97	10.55	3.13	7.61	0.71	2.87	0.41	0.91	0.11
LG30	81	82	392.88	857.40	82.52	260.10	50.21	15.17	33.89	3.13	11.48	1.40	2.63	0.26
LG30	82	83	579.35	1197.66	112.48	342.92	52.06	16.67	43.22	4.95	20.08	2.33	4.80	0.47
LG30	83	84	231.04	431.16	44.34	135.88	19.25	5.91	14.75	1.85	7.12	0.96	2.17	0.21
LG30	84	85	29.32	66.33	6.16	19.13	3.25	0.81	2.65	0.36	1.72	0.24	0.69	0.09
LG30	85	86	469.11	990.06	98.10	331.25	50.09	12.16	31.24	3.82	17.79	2.89	6.52	0.69
LG30	86	87	1348.69	2469.02	277.88	926.11	133.93	32.77	84.49	9.99	45.45	6.90	14.98	1.60
LG30	87	88	388.19	589.62	81.67	276.43	39.54	10.07	28.01	3.43	15.38	2.41	5.15	0.55
LG30	88	89	262.70	459.41	53.52	176.71	24.93	6.60	15.79	2.00	9.07	1.56	3.32	0.34
LG30	89	90	652.06	1127.64	135.92	456.06	64.82	16.44	41.96	4.92	21.92	3.34	7.20	0.80
LG30	90	91	542.99	996.21	102.81	349.92	64.47	16.21	39.30	4.19	16.53	2.10	3.77	0.41

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG30	91	92	1559.79	2886.66	323.79	1055.58	156.54	40.76	103.39	13.17	60.25	8.99	17.95	1.71
LG30	92	93	578.18	1240.65	126.25	412.90	62.15	16.10	39.42	5.13	22.95	3.22	5.83	0.66
LG30	93	94	3377.59	5539.94	484.47	1312.18	137.99	29.06	67.31	6.90	27.09	3.61	6.75	0.59
LG30	94	95	1196.23	2911.23	311.71	992.59	143.21	35.78	84.03	8.62	32.59	4.10	7.20	0.71
LG30	95	96	1231.41	3034.07	323.79	996.09	128.71	30.69	72.15	7.85	30.18	3.83	6.86	0.61
LG30	96	97	1148.14	2800.68	303.25	959.93	139.73	32.19	77.57	8.08	30.76	3.96	7.20	0.66
LG30	97	98	1647.75	3832.51	390.24	1109.23	107.72	22.58	48.29	5.42	21.58	2.80	5.26	0.53
LG30	98	99	3119.58	6731.46	750.27	2251.12	298.01	66.46	144.65	13.88	49.01	5.99	10.86	1.06
LG30	99	100	2415.91	4974.89	550.92	1877.88	314.24	75.96	163.67	15.11	52.22	6.58	11.89	1.22
LG30	100	101	1858.85	2997.22	366.07	1213.04	206.40	56.97	144.65	16.35	63.58	8.51	14.41	1.30
LG30	101	102	425.72	975.32	100.64	362.75	76.42	21.54	51.87	5.22	19.51	2.61	4.92	0.55
LG30	102	103	276.77	1040.43	88.20	295.10	38.03	8.22	17.52	2.11	8.95	1.26	2.97	0.29
LG30	103	104	802.18	3156.91	242.84	823.47	103.09	21.54	42.53	4.28	16.64	2.22	4.46	0.45
LG30	104	105	892.48	2063.66	228.34	787.31	114.91	26.75	57.98	5.75	23.30	3.22	6.63	0.73
LG30	105	106	789.28	1510.89	163.71	551.70	98.10	29.53	76.42	8.88	33.97	4.67	9.15	0.90
LG30	106	107	642.68	1228.37	122.63	384.91	60.30	17.60	48.06	5.29	20.89	2.99	5.49	0.54
LG30	107	108	1559.79	2788.40	285.13	930.78	174.52	44.23	99.24	9.44	33.86	4.09	7.43	0.63
LG30	108	109	24276.40	40413.30	3551.99	9342.74	860.40	177.16	379.21	36.93	141.17	19.70	37.96	3.47
LG30	109	110	1419.06	2751.54	270.63	886.45	145.53	36.36	84.26	7.87	27.54	3.54	6.52	0.65
LG30	110	111	371.77	879.51	67.42	210.53	36.06	9.49	23.86	2.47	10.10	1.51	3.09	0.31
LG30	111	112	558.24	1179.23	104.87	325.42	49.28	12.27	27.89	2.88	11.59	1.57	2.97	0.33
LG30	112	113	370.60	905.31	81.55	269.43	43.37	10.77	25.93	2.40	9.76	1.40	2.74	0.31
LG30	113	114	619.22	1449.47	162.50	603.02	118.28	29.06	64.78	6.16	22.04	3.12	6.40	0.75
LG30	114	115	594.60	1227.14	129.88	433.90	79.20	20.50	50.25	4.52	16.18	2.20	4.23	0.41
LG30	115	116	1636.02	2948.08	395.07	1411.33	275.98	73.53	176.93	15.88	54.29	6.58	10.98	0.89
LG30	116	117	107.90	375.88	26.70	98.91	26.79	8.68	20.86	2.22	9.53	1.44	2.86	0.33
LG30	117	118	355.35	797.21	86.87	318.42	71.89	18.76	41.84	3.58	11.82	1.40	2.52	0.27
LG30	118	119	1870.57	3328.88	421.65	1644.60	386.14	97.15	202.28	14.11	39.37	4.39	6.98	0.55
LG30	119	120	690.76	1713.57	208.41	697.50	89.17	21.54	50.95	4.99	18.13	2.34	4.00	0.34
LG30	120	121	185.30	611.73	64.27	244.94	46.85	11.23	26.28	2.68	10.56	1.44	2.63	0.24
LG30	121	122	314.30	698.94	69.47	230.94	35.83	7.99	18.44	1.80	7.35	1.01	2.06	0.16
LG30	122	123	304.92	697.71	72.61	239.11	33.16	7.64	18.10	1.81	7.00	0.95	1.94	0.21
LG30	123	124	775.20	1639.87	183.64	611.19	101.69	26.75	66.51	6.76	25.82	3.63	6.98	0.64
LG30	124	125	1430.78	2837.53	306.87	982.10	150.16	38.56	94.75	9.39	34.32	4.67	9.38	1.01
LG30	125	126	1260.73	2677.84	297.21	956.44	135.09	31.15	71.12	6.77	24.22	3.15	5.95	0.55
LG30	126	127	1284.19	2935.80	353.99	1364.67	288.73	73.53	167.13	15.76	58.19	7.59	14.18	1.32
LG30	127	128	1076.61	2315.47	269.42	973.93	194.81	50.95	123.33	12.47	48.55	6.44	12.58	1.07
LG30	128	129	539.48	1147.30	131.69	474.72	106.68	28.60	60.86	4.27	13.89	1.88	3.66	0.38
LG30	129	130	779.89	1658.30	197.53	731.32	154.22	39.25	83.68	6.85	24.45	3.61	7.43	0.77
LG30	130	131	286.16	442.21	54.13	182.54	33.74	9.84	28.35	3.93	19.85	3.29	7.20	0.71
LG30	131	132	267.39	400.45	44.34	165.04	41.98	12.85	42.19	6.14	33.28	6.15	13.84	1.44
LG30	132	133	1213.82	2290.91	224.72	731.32	172.20	53.26	123.33	10.01	31.91	4.16	8.46	0.87
LG30	133	134	3823.24	8954.80	1049.89	3499.15	647.04	182.95	474.88	52.81	218.63	29.90	56.60	5.34
LG30	134	135	1231.41	2960.37	338.29	1213.04	244.67	69.01	181.54	20.47	83.21	11.51	20.47	1.83
LG30	135	136	4632.45	11927.45	1510.20	5843.59	1258.13	358.96	919.79	105.97	432.68	57.39	99.71	8.69
LG30	136	137.1	3506.59	8512.59	1026.94	3685.78	687.62	192.22	507.15	63.16	281.18	38.83	69.41	5.92
LG31	25	26	242.76	565.05	52.68	178.46	27.48	5.91	16.60	2.21	11.71	2.07	5.95	0.75
LG31	26	27	174.74	416.42	39.14	131.22	20.99	4.52	15.45	2.21	12.17	2.45	6.98	0.98
LG31	27	28	165.36	394.31	37.69	130.05	20.18	4.86	20.29	3.05	17.90	4.36	12.58	1.85
LG31	28	29	266.22	713.68	59.20	205.28	31.89	6.48	21.44	2.91	13.77	2.84	7.32	0.96
LG31	29	30	309.61	851.26	69.11	233.28	35.95	7.87	23.63	2.99	15.61	2.68	6.52	0.96
LG31	30	31	304.92	830.38	67.42	225.70	33.63	7.99	22.25	2.76	13.54	2.27	6.17	0.91
LG31	31	32	323.69	868.46	72.85	244.94	37.92	8.11	23.97	2.87	15.15	2.62	6.86	0.95
LG31	32	33	328.38	894.25	72.85	249.61	37.11	8.34	23.40	2.94	15.38	2.73	7.32	1.01
LG31	33	34	324.86	880.74	72.25	246.11	36.87	8.22	24.32	3.08	14.69	2.70	6.98	0.95
LG31	34	35	322.51	869.68	70.56	242.61	35.95	7.99	24.67	3.06	15.15	2.69	6.86	0.90

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG31	35	36	327.20	880.74	72.37	236.78	37.34	7.87	23.97	3.34	16.30	3.01	7.55	1.03
LG31	36	37	330.72	899.17	71.76	246.11	37.69	7.87	24.44	3.00	15.95	2.97	7.78	0.97
LG31	37	38	347.14	947.07	77.44	255.44	41.05	8.45	25.82	3.28	16.76	3.21	8.12	1.14
LG31	38	39	404.61	1090.79	88.44	296.26	44.30	10.31	30.66	4.12	21.12	3.63	10.29	1.46
LG31	39	40	471.45	1289.79	102.57	340.58	54.85	12.51	35.73	4.62	24.79	4.60	13.72	1.92
LG31	40	41	483.18	1345.06	105.71	347.58	53.92	11.58	34.81	4.10	22.27	4.14	10.41	1.54
LG31	41	42	557.07	1492.47	118.76	384.91	59.72	13.20	35.27	4.55	23.64	4.18	11.55	1.58
LG31	42	43	528.92	1424.91	112.00	367.41	52.18	12.04	32.39	4.00	20.31	3.60	8.69	1.20
LG31	43	44	562.93	1492.47	118.64	387.24	56.93	13.08	34.92	4.45	22.27	4.01	10.41	1.42
LG31	44	45	577.00	1480.18	120.45	403.57	60.41	13.20	36.65	4.45	23.76	4.26	10.75	1.51
LG31	45	46	579.35	1510.89	122.02	394.24	59.72	13.20	35.62	4.15	21.58	3.56	9.72	1.20
LG31	46	47	595.77	1547.74	123.84	393.07	59.02	13.55	36.31	4.25	20.43	3.70	9.15	1.28
LG31	47	48	618.05	1560.03	128.07	411.73	59.72	13.32	35.27	4.34	22.72	3.69	9.26	1.28
LG31	48	49	580.52	1443.33	120.45	386.07	56.47	13.20	34.46	4.29	20.66	3.71	9.26	1.32
LG31	49	50	558.24	1345.06	115.50	374.41	58.33	12.97	34.92	4.35	21.81	3.89	10.41	1.40
LG31	50	51	647.37	1517.03	131.09	422.23	60.07	13.20	35.62	4.27	21.23	3.86	9.95	1.32
LG31	51	52	573.49	1443.33	117.31	373.24	52.41	11.00	31.01	3.74	18.82	3.36	8.58	1.14
LG31	52	53	287.33	818.09	62.46	207.03	27.60	6.95	19.13	2.38	12.85	2.34	6.17	0.96
LG31	53	54	166.53	519.60	35.76	117.22	16.93	3.71	9.68	1.20	7.80	1.35	3.89	0.48
LG31	54	55	172.40	498.72	37.09	117.22	15.42	3.59	8.53	1.20	6.20	0.96	2.63	0.40
LG31	55	56	313.13	735.79	62.82	197.70	24.35	5.21	12.45	1.48	8.38	1.33	3.66	0.43
LG31	56	57	357.70	635.07	69.71	211.12	21.34	4.52	10.72	1.29	7.12	1.17	2.86	0.40
LG31	57	58	324.86	590.84	64.88	195.95	19.25	4.05	9.34	1.31	6.20	1.03	3.09	0.33
LG31	58	59	299.06	577.33	59.08	174.37	16.93	3.47	8.53	1.06	5.39	0.97	2.40	0.31
LG31	59	60	239.25	411.50	47.72	142.30	14.15	2.89	6.57	0.85	4.13	0.88	2.06	0.21
LG31	60	61	216.96	348.86	42.89	129.47	13.91	2.89	7.03	0.86	4.02	0.77	1.94	0.29
LG31	61	62	197.03	339.03	41.44	124.80	13.68	2.78	6.57	0.94	4.36	0.81	2.06	0.25
LG31	62	63	239.25	413.96	49.29	145.80	16.47	3.71	10.37	1.36	6.43	1.17	3.09	0.46
LG31	63	64	155.98	211.28	29.96	87.25	8.46	1.85	4.61	0.65	2.98	0.60	1.49	0.22
LG31	64	65	38.70	61.42	7.85	24.14	3.36	0.81	2.77	0.38	2.30	0.45	1.14	0.14
LG31	65	66	23.46	50.36	4.71	14.11	2.20	0.58	1.73	0.33	1.84	0.37	1.03	0.08
LG31	66	67	49.26	110.55	9.54	29.98	4.06	0.93	2.77	0.51	2.98	0.58	1.72	0.27
LG31	67	68	28.15	67.56	5.68	17.85	2.20	0.81	2.31	0.42	2.52	0.46	1.72	0.19
LG31	68	69	11.73	41.76	2.54	8.28	1.86	0.46	1.96	0.36	2.64	0.55	1.37	0.25
LG31	69	70	8.21	28.25	2.17	7.70	1.62	0.46	2.31	0.40	2.18	0.41	1.14	0.18
LG31	70	71	24.63	70.02	4.59	15.28	2.09	0.69	2.42	0.41	2.41	0.58	1.60	0.18
LG31	71	72	69.19	180.57	13.77	45.96	6.38	1.51	3.80	0.78	3.56	0.69	1.94	0.30
LG31	72	73	98.51	199.00	15.34	45.49	4.99	1.27	3.34	0.56	2.87	0.69	1.60	0.16
LG31	73	74	35.18	115.47	6.16	19.83	2.55	0.58	2.19	0.36	1.72	0.32	0.69	0.08
LG31	74	75	26.97	126.52	4.71	16.56	2.78	0.58	1.96	0.34	1.84	0.34	0.91	0.08
LG31	75	76	17.59	116.69	3.62	10.73	2.09	0.46	1.61	0.24	1.38	0.36	0.80	0.13
LG31	76	77	18.76	144.95	3.62	11.08	1.74	0.58	1.50	0.27	1.49	0.29	0.80	0.10
LG31	77	78	36.36	187.94	8.94	30.91	4.52	1.04	2.88	0.45	2.18	0.44	1.03	0.09
LG31	78	79	100.86	229.70	24.16	83.63	10.20	2.55	5.99	0.75	3.44	0.56	1.26	0.16
LG31	79	80	144.25	655.95	29.12	95.99	12.29	3.01	7.03	0.92	4.59	0.74	1.83	0.21
LG31	80	81	292.02	809.49	61.50	197.12	24.35	5.56	12.68	1.47	6.43	0.95	1.94	0.23
LG31	81	82	28.15	416.42	7.73	30.91	5.10	1.51	4.50	0.64	3.33	0.64	1.60	0.22
LG31	82	83	24.63	259.19	6.89	25.78	4.29	1.51	4.15	0.66	3.33	0.60	1.49	0.14
LG31	83	84	42.22	206.37	12.69	47.12	8.12	2.08	5.65	0.73	4.13	0.65	1.60	0.16
LG31	84	85	29.32	144.95	8.70	33.94	6.03	1.85	5.07	0.66	3.56	0.54	1.26	0.15
LG31	85	86	51.60	167.06	14.98	56.22	10.55	3.24	8.53	1.20	5.62	0.93	2.17	0.25
LG31	86	87	1014.45	841.43	247.67	985.60	149.58	40.30	107.08	12.59	53.02	8.47	17.61	1.80
LG31	87	88	1015.62	966.73	219.28	797.81	117.70	30.45	77.69	9.59	39.25	5.80	12.01	1.32
LG31	88	89	1090.68	1050.25	218.68	762.82	112.25	29.76	75.61	9.17	39.60	5.89	12.12	1.42
LG31	89	90	14.07	19.65	3.50	13.06	2.32	0.69	2.19	0.36	2.41	0.40	0.91	0.09
LG31	90	91	24.63	39.31	4.11	12.71	2.09	0.58	1.96	0.33	1.72	0.33	0.91	0.10

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG31	91	92	12.90	23.34	2.42	9.33	1.28	0.46	1.84	0.31	1.84	0.40	1.03	0.11
LG31	92	93	1034.39	1431.05	113.57	307.93	25.05	4.86	11.76	1.21	4.82	0.73	1.49	0.15
LG31	93	94	2462.82	4102.75	384.20	1147.72	99.84	19.68	39.30	3.62	12.05	1.75	3.20	0.32
LG31	94	95	5711.40	10342.86	1061.97	3114.25	293.37	56.62	113.30	9.97	35.00	4.55	8.58	0.80
LG31	95	96	1946.80	3476.28	349.16	1042.75	97.64	21.42	46.91	4.81	16.99	2.36	4.57	0.41
LG31	96	97	445.65	843.89	77.32	236.78	22.50	5.33	11.99	1.34	4.94	0.73	1.49	0.15
LG31	97	98	872.54	1474.04	138.33	437.39	53.69	13.43	30.89	3.35	11.94	1.73	3.20	0.30
LG31	98	99	503.12	958.13	94.12	309.09	37.69	9.03	21.32	2.28	8.49	1.16	2.52	0.18
LG31	99	100	187.64	332.89	32.50	108.94	14.15	3.71	8.88	0.95	3.67	0.53	0.91	0.08
LG31	100	101	729.46	1206.26	108.61	320.76	33.40	7.76	17.17	1.76	5.39	0.82	1.49	0.16
LG31	101	102	550.03	1015.86	94.60	285.76	32.82	7.87	17.29	1.62	6.08	0.87	1.60	0.15
LG31	102	103	315.48	553.99	52.07	159.21	17.63	4.05	9.57	0.99	4.02	0.65	1.26	0.15
LG31	103	104	609.84	1163.26	109.22	331.25	35.13	7.99	17.64	1.72	6.08	0.92	1.72	0.14
LG31	104	105	187.64	339.03	32.62	98.21	10.55	2.43	5.76	0.62	2.41	0.39	0.91	0.08
LG31	105	106	592.25	1200.12	111.63	344.08	37.45	9.15	20.40	1.93	6.89	0.97	1.83	0.18
LG31	106	107	242.76	438.53	42.89	133.55	15.31	3.82	8.07	0.92	3.44	0.60	1.14	0.13
LG31	107	108	1120.00	2106.65	205.39	652.01	75.02	18.18	39.88	3.88	12.97	1.83	3.43	0.35
LG31	108	109	1336.96	2456.74	239.82	756.98	83.14	18.64	41.96	4.05	13.66	1.86	3.20	0.30
LG31	109	110	704.84	1351.20	131.09	401.24	38.50	9.26	19.59	2.08	7.80	1.05	2.17	0.19
LG31	110	111	166.53	298.49	28.75	87.25	11.02	2.89	6.92	0.87	3.90	0.70	1.72	0.18
LG31	111	112	421.03	764.04	73.70	235.61	30.61	7.76	17.40	1.65	6.08	0.93	1.60	0.16
LG31	112	113	200.54	366.05	36.61	115.59	15.19	3.71	8.53	0.87	3.44	0.56	1.14	0.11
LG31	113	114	273.26	503.63	48.57	154.55	19.48	4.52	10.95	1.12	4.25	0.63	1.26	0.17
LG31	114	115	53.95	87.21	7.97	23.68	3.13	0.81	2.19	0.35	1.84	0.29	0.80	0.09
LG31	115	116	572.31	1114.13	102.33	326.59	36.18	7.87	18.21	1.88	6.77	0.92	1.94	0.19
LG31	116	117	1577.38	2923.52	288.75	903.95	89.98	20.15	43.45	4.15	14.81	1.82	3.89	0.37
LG31	117	118	1647.75	2984.93	294.79	922.61	87.90	19.22	40.46	3.82	12.85	1.56	2.17	0.26
LG31	118	119	1366.28	2401.46	229.55	711.49	68.53	15.40	31.35	3.06	10.67	1.58	2.63	0.26
LG31	119	120	1718.11	3070.92	293.58	895.78	94.50	20.96	44.95	4.62	15.38	2.17	3.89	0.40
LG31	120	121	847.91	1547.74	149.81	467.72	53.11	11.93	26.28	2.36	8.38	1.13	2.40	0.22
LG31	121	122	1465.97	2653.27	259.75	829.30	92.77	20.84	45.07	4.12	12.97	1.68	2.86	0.25
LG31	122	123	437.44	814.41	75.15	226.86	26.32	6.60	15.21	1.46	5.51	0.79	1.37	0.18
LG31	123	124	574.66	1131.33	110.55	358.08	45.69	10.42	23.51	2.14	7.12	1.02	1.60	0.16
LG31	124	125	539.48	996.21	94.84	309.09	40.35	9.73	20.98	1.87	6.31	0.77	1.60	0.13
LG31	125	126	410.47	745.62	73.34	239.11	29.11	6.60	14.75	1.41	5.28	0.69	1.49	0.11
LG31	126	127	720.08	1381.91	140.15	458.39	60.41	14.59	33.20	3.18	13.08	1.73	3.32	0.29
LG31	127	128	1448.37	2862.10	296.00	984.43	133.35	35.20	89.67	12.00	53.94	7.72	13.84	1.35
LG31	128	129	1135.24	2118.93	213.24	685.83	86.85	22.58	58.90	7.87	34.89	5.12	9.38	0.85
LG31	129	130	983.96	1836.41	179.41	580.86	67.83	15.75	35.39	3.73	14.58	2.12	3.54	0.37
LG31	130	131	5523.76	11165.86	1177.96	3685.78	405.85	94.60	216.69	24.23	95.03	12.83	22.18	2.04
LG31	131	132	7681.66	14556.16	1540.41	4828.83	500.93	115.68	259.34	29.40	117.06	16.15	28.36	2.52
LG31	132	133	1905.76	3635.97	368.49	1144.22	123.49	26.86	55.90	5.65	20.08	2.75	4.80	0.43
LG31	133	134	1260.73	2432.17	240.42	755.82	87.90	20.61	42.65	4.61	17.33	2.53	4.92	0.47
LG31	134	135	404.61	786.16	79.50	250.77	32.12	8.11	18.67	1.98	7.92	1.29	2.17	0.23
LG31	135	136	1144.63	2290.91	222.91	683.50	74.56	17.72	37.58	3.46	13.31	1.71	3.09	0.32
LG31	136	137	1284.19	2125.08	196.93	573.86	64.94	15.98	35.85	3.34	11.48	1.49	3.09	0.34
LG31	137	138	1121.17	2137.36	212.64	674.17	76.30	18.87	40.69	3.66	13.43	1.76	3.54	0.37
LG31	138	139	789.28	1431.05	136.52	433.90	48.35	10.88	24.55	2.48	9.53	1.27	2.29	0.22
LG31	139	140	2427.64	4729.22	474.81	1522.13	175.67	42.15	92.67	9.12	33.40	4.50	7.32	0.66
LG31	140	141	2316.23	4508.11	456.68	1463.81	183.21	44.93	95.21	9.44	33.74	4.39	8.23	0.64
LG31	141	142	1003.89	1854.84	186.66	594.86	73.86	16.67	35.39	3.12	11.25	1.55	2.40	0.24
LG31	142	143	2169.63	4262.44	431.31	1388.00	171.04	39.14	79.99	7.02	22.95	3.05	5.49	0.48
LG31	143	144	13310.97	22356.30	2053.87	5761.94	516.01	109.08	220.73	21.35	76.09	10.31	19.10	1.77
LG31	144	145	8725.43	16398.71	1637.06	4992.13	562.39	144.16	321.58	35.40	150.35	21.19	40.82	4.33
LG31	145	146	27442.89	51591.45	5219.26	16504.34	1774.14	462.01	990.10	103.39	397.10	51.78	96.51	9.35
LG31	146	147	1970.26	3734.24	353.99	1119.73	110.04	27.44	50.72	4.48	16.53	1.97	3.54	0.31

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG31	147	148	3928.79	7296.51	704.36	2157.81	192.49	42.96	83.10	7.46	26.63	3.15	5.95	0.49
LG31	148	149	1899.89	3574.55	341.91	1078.91	105.87	25.94	52.33	5.16	19.28	2.44	4.80	0.40
LG31	149	150	1436.65	2837.53	283.92	972.76	127.55	31.50	66.39	5.69	20.20	2.43	4.12	0.41
LG31	150	151	1101.23	2229.49	232.57	836.30	137.99	37.17	70.66	5.47	15.84	1.90	3.32	0.26
LG31	151	152	1677.07	3451.71	351.57	1271.36	194.23	51.53	105.00	7.37	20.89	2.33	3.66	0.34
LG31	152	153.1	2304.50	4839.77	508.64	1802.06	256.26	68.90	138.31	9.41	25.59	2.62	4.12	0.31
LG32	1	2	106.72	284.98	18.85	57.97	8.23	2.08	5.88	0.98	5.16	1.03	3.09	0.49
LG32	2	3	152.46	426.24	29.12	90.74	12.99	3.24	8.41	1.28	7.80	1.55	4.23	0.65
LG32	3	4	172.40	483.98	32.50	103.46	14.15	3.59	10.14	1.51	9.07	1.82	5.26	0.75
LG32	4	5	179.43	551.54	34.92	110.81	17.74	4.28	12.45	2.03	12.74	2.52	7.32	1.10
LG32	5	6	225.17	625.24	47.84	162.13	29.11	7.41	22.59	3.45	18.82	3.53	8.80	1.29
LG32	6	7	463.25	918.82	83.24	278.77	41.86	10.77	32.62	4.52	22.04	4.03	9.83	1.42
LG32	7	8	696.63	1308.21	112.48	344.08	42.56	9.84	25.70	3.26	18.36	3.24	8.35	1.26
LG32	8	9	702.49	1412.62	123.23	362.75	44.53	10.54	25.01	3.22	16.64	2.91	7.66	1.04
LG32	9	10	412.82	859.86	81.55	263.60	35.95	8.68	22.59	2.78	14.23	2.37	5.72	0.85
LG32	10	11	384.67	821.78	77.56	256.60	37.57	8.45	22.59	2.91	14.81	2.34	6.40	0.87
LG32	11	12	330.72	755.45	68.99	229.78	32.82	8.11	22.02	2.85	14.23	2.42	6.29	0.94
LG32	12	13	335.41	780.01	69.71	234.44	35.13	8.45	20.98	2.82	14.00	2.33	6.06	0.89
LG32	13	14	316.65	734.56	66.09	226.86	35.02	8.11	21.90	2.78	14.00	2.43	6.06	0.87
LG32	14	15	357.70	778.79	72.13	240.28	34.67	7.87	21.67	2.55	13.54	2.31	6.29	0.75
LG32	15	16	342.45	845.12	73.82	246.11	36.18	8.22	23.40	2.95	14.46	2.61	7.20	0.90
LG32	16	17	302.58	775.10	68.26	234.44	36.99	7.76	22.94	2.91	13.77	2.36	6.52	0.90
LG32	17	18	459.73	1046.57	92.06	296.26	38.96	8.80	23.86	3.15	15.61	2.69	6.63	0.95
LG32	18	19	295.54	768.96	67.90	229.19	35.37	7.87	22.25	2.79	13.89	2.42	5.72	0.85
LG32	19	20	299.06	773.87	67.17	235.61	35.02	7.76	22.82	2.99	13.66	2.43	5.83	0.88
LG32	20	21	303.75	783.70	69.71	242.61	36.29	8.45	22.82	2.86	14.23	2.39	6.63	0.90
LG32	21	22	290.85	760.36	65.84	228.03	35.02	7.41	22.94	2.95	13.54	2.71	5.95	0.90
LG32	22	23	286.16	743.16	64.27	225.70	30.73	7.53	21.09	2.72	13.77	2.49	6.29	0.95
LG32	23	24	276.77	723.51	61.62	215.78	31.66	7.29	21.55	2.75	13.54	2.47	6.17	0.94
LG32	24	25	295.54	791.07	66.45	229.78	33.63	7.41	22.59	2.91	14.00	2.66	6.75	1.06
LG32	25	26	308.44	823.01	69.47	241.44	33.74	8.11	23.63	3.08	14.92	2.80	7.66	1.03
LG32	26	27	309.61	834.06	69.59	241.44	33.63	8.11	22.13	3.18	14.58	2.58	6.40	0.87
LG32	27	28	344.80	926.19	77.08	262.44	40.12	8.57	25.70	3.31	15.84	2.86	7.32	1.01
LG32	28	29	342.45	907.76	76.84	262.44	40.01	9.03	24.20	3.19	15.61	2.60	6.86	0.98
LG32	29	30	335.41	878.28	75.27	254.27	36.76	8.22	23.17	3.02	14.69	2.86	7.32	1.01
LG32	30	31	340.10	886.88	77.20	265.94	38.85	8.45	24.55	3.26	15.15	3.08	6.98	1.05
LG32	31	32	343.62	893.02	77.08	270.60	41.86	8.92	25.24	3.19	16.76	2.85	7.20	1.02
LG32	32	33	314.30	808.27	71.16	244.94	34.56	7.87	21.90	3.15	14.69	2.63	6.86	0.99
LG32	33	34	333.07	852.49	73.58	257.77	36.41	8.11	23.86	3.20	15.61	2.71	6.98	0.94
LG32	34	35	384.67	940.93	81.91	277.60	37.57	8.92	25.24	3.34	15.38	3.01	7.43	1.02
LG32	35	36	439.79	953.21	89.52	290.43	38.85	8.68	22.02	2.87	13.89	2.49	6.17	0.93
LG32	36	37	741.19	1400.34	140.15	447.89	53.22	12.04	27.89	3.39	16.53	3.17	8.58	1.22
LG32	37	38	776.38	1338.92	145.58	464.22	53.57	12.16	27.09	3.02	14.12	2.57	6.40	1.01
LG32	38	39	675.52	1357.35	118.64	352.25	41.63	9.38	20.17	2.45	11.48	2.08	6.52	0.97
LG32	39	40	766.99	1066.22	135.92	401.24	45.46	9.61	20.29	2.35	11.02	1.97	5.95	0.85
LG32	40	41	747.06	1363.49	133.50	396.57	44.41	9.49	20.86	2.40	11.71	2.18	6.52	0.93
LG32	41	42	786.93	1480.18	138.94	410.57	49.17	10.31	22.94	2.89	14.00	2.45	7.09	1.04
LG32	42	43	714.22	1314.35	128.07	393.07	46.96	9.73	22.02	2.60	12.17	2.30	6.52	0.97
LG32	43	44	200.54	402.90	35.64	105.32	12.64	2.78	6.92	0.93	5.51	1.01	3.20	0.46
LG32	44	45	153.63	282.52	26.82	75.35	8.23	1.85	4.38	0.71	4.02	0.81	2.52	0.39
LG32	45	46	218.14	476.61	39.27	111.27	13.34	3.13	8.53	1.31	6.89	1.42	4.46	0.66
LG32	46	47	109.07	422.56	21.38	64.03	9.86	2.08	6.22	0.94	5.62	1.13	3.32	0.48
LG32	47	48	240.42	705.08	48.57	155.13	20.64	4.75	13.49	1.69	9.07	1.60	4.46	0.70
LG32	48	49	218.14	701.40	41.92	128.89	16.12	3.59	9.91	1.32	7.00	1.27	3.54	0.58
LG32	49	50	125.49	339.03	23.44	76.28	11.25	2.32	6.80	0.98	5.05	1.00	2.63	0.42
LG32	50	51	79.75	208.82	15.10	48.75	6.38	1.51	4.73	0.62	3.44	0.66	1.83	0.31

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG32	51	52	195.85	378.34	31.77	88.65	10.09	2.32	6.34	0.92	4.82	0.95	2.63	0.40
LG32	52	53	111.41	207.59	18.97	54.00	6.49	1.62	4.61	0.62	3.67	0.69	2.06	0.32
LG32	53	54	193.51	346.40	29.96	86.90	9.74	2.32	7.15	1.08	5.39	1.05	2.74	0.41
LG32	54	55	301.40	708.77	51.47	153.38	17.16	4.17	12.45	1.69	7.57	1.45	3.77	0.57
LG32	55	56	202.89	447.13	33.35	100.08	11.71	2.89	7.49	1.00	5.62	1.10	2.97	0.43
LG32	56	57	150.11	331.66	23.32	69.63	9.39	1.97	6.22	0.89	4.25	0.88	2.40	0.34
LG32	57	58	126.66	353.77	21.26	65.78	9.04	2.20	6.57	1.02	4.94	0.99	2.52	0.37
LG32	58	59	131.35	318.15	19.45	57.74	7.89	1.97	6.22	0.85	4.59	0.78	2.29	0.33
LG32	59	60	209.93	483.98	28.03	80.83	10.44	2.66	7.15	1.02	4.13	0.81	2.06	0.33
LG32	60	61	303.75	612.96	43.61	123.64	14.49	3.59	9.57	1.29	5.62	0.99	2.17	0.33
LG32	61	62	281.47	514.69	37.09	106.37	11.36	2.66	6.92	0.99	4.48	0.80	2.17	0.29
LG32	62	63	743.54	1206.26	99.31	279.93	28.41	6.48	13.83	1.56	6.54	1.02	2.63	0.31
LG32	63	64	3494.86	7222.80	709.19	1942.03	213.36	40.87	79.99	8.52	35.58	4.99	10.52	1.20
LG32	64	65	5934.23	12897.86	1316.90	3802.41	422.08	81.63	163.67	17.58	66.91	9.05	16.92	1.70
LG32	65	66	5347.84	10637.67	1094.59	3347.52	378.02	77.00	164.82	17.11	64.61	8.59	16.58	1.59
LG32	66	67	5078.11	10711.37	833.63	2472.74	293.37	63.45	138.31	15.29	60.83	7.93	14.87	1.36
LG32	67	68	3295.49	6362.95	478.43	1399.66	170.46	39.37	89.10	10.22	38.79	4.99	9.03	0.89
LG32	68	69	3412.77	6461.22	559.38	1685.43	202.34	42.84	100.85	11.47	44.99	6.07	12.12	1.32
LG32	69	70	5641.04	9667.26	977.40	3055.93	365.26	79.09	183.27	19.94	76.78	9.53	17.72	1.59
LG32	70	71	3764.60	9716.39	711.61	2344.43	306.13	72.02	173.47	19.99	82.98	10.24	18.52	1.61
LG32	71	72	2216.54	6215.54	430.11	1428.82	199.45	47.01	113.65	12.06	44.76	5.25	8.23	0.79
LG32	72	73	4280.62	10158.60	833.63	2694.35	366.42	82.91	201.13	20.88	77.47	8.77	14.29	1.24
LG32	73	74	2451.10	4385.27	360.03	1160.55	153.64	38.21	105.46	12.94	46.83	6.23	11.43	1.01
LG32	74	75	2128.58	3513.13	327.41	1040.42	126.97	28.48	73.77	9.26	34.43	4.44	8.00	0.74
LG32	75	76	4022.61	7628.16	717.65	2233.63	259.74	65.42	150.99	20.11	73.11	8.65	14.52	1.10
LG32	76	77	4386.17	8831.97	751.48	2309.44	273.66	67.28	157.33	20.41	72.19	8.88	16.12	1.39
LG32	77	78	3764.60	8352.90	670.53	2163.64	286.41	66.58	156.76	18.47	60.37	7.17	14.18	1.22
LG32	78	79	7153.91	14986.09	1365.22	4035.69	490.50	121.00	282.39	39.75	148.05	17.53	31.10	2.56
LG32	79	80	8174.23	16582.97	1522.28	4525.57	482.38	112.67	252.42	33.05	118.21	14.61	26.87	2.38
LG32	80	81	6860.72	13450.63	1365.22	4210.65	485.86	107.69	231.68	27.99	97.78	12.94	24.47	2.16
LG32	81	82	3084.39	4852.05	449.44	1434.65	166.98	36.24	90.60	12.64	50.38	6.47	11.09	0.89
LG32	82	83	3459.68	5490.80	465.14	1388.00	150.16	34.62	78.03	10.15	34.43	4.17	7.66	0.63
LG32	83	84	1835.39	3144.62	282.71	853.79	110.85	29.30	66.16	8.03	27.43	3.34	5.83	0.61
LG32	84	85	1583.24	2788.40	260.96	812.97	104.36	25.13	54.63	6.14	20.20	2.43	4.35	0.46
LG32	85	86	1243.14	2161.93	214.45	706.83	103.78	26.28	56.82	6.13	21.81	2.93	5.83	0.56
LG32	86	87	534.78	1009.72	102.69	347.58	52.53	13.08	33.66	4.87	22.15	3.70	8.35	0.93
LG32	87	88	531.27	1031.83	108.01	354.58	55.78	14.59	37.34	5.18	24.22	3.79	8.69	0.98
LG32	88	89	584.04	1560.03	126.25	431.56	64.47	16.21	39.42	5.35	21.81	3.45	7.43	0.87
LG32	89	90	528.92	1246.79	112.24	382.57	54.50	14.13	34.00	4.59	20.43	3.05	6.98	0.78
LG32	90	91	464.42	1375.77	102.21	347.58	50.79	12.85	31.93	4.23	18.36	2.80	7.20	0.79
LG32	91	92	541.82	1338.92	110.55	369.74	48.82	12.97	31.81	4.43	19.40	3.12	6.52	0.75
LG32	92	93	768.17	1406.48	148.60	503.88	65.63	16.91	38.27	5.03	20.20	2.66	4.69	0.39
LG32	93	94	1010.93	1400.34	152.23	470.05	66.21	18.06	44.95	6.48	25.48	3.15	5.15	0.46
LG32	94	95	1331.10	1977.67	183.04	545.87	76.53	20.61	49.33	5.70	18.48	2.17	3.89	0.43
LG32	95	96	1046.11	1811.84	179.41	557.53	74.33	20.61	49.22	4.46	15.95	1.65	3.66	0.26
LG32	96	97	1159.87	2131.22	238.61	858.46	133.35	34.27	73.65	6.99	25.59	3.06	6.06	0.43
LG32	97	98	757.61	1394.20	134.71	447.89	73.98	20.50	48.06	4.82	17.79	2.08	4.35	0.31
LG32	98	99	2791.20	4409.84	451.85	1388.00	184.95	50.49	122.75	11.22	35.46	3.63	6.29	0.43
LG32	99	100	13604.17	22970.48	2223.02	6671.72	638.92	133.16	263.95	24.23	77.58	8.22	15.21	1.12
LG32	100	101	2263.45	4041.33	436.15	1411.33	177.41	47.36	103.85	9.22	29.38	2.93	5.15	0.37
LG32	101	102	1530.47	2358.47	208.41	591.36	69.92	18.99	51.64	5.42	18.36	2.15	3.77	0.25
LG32	102	103	1260.73	1977.67	184.85	547.03	69.81	18.53	48.99	6.01	21.23	2.69	4.12	0.37
LG32	103	104	508.98	960.58	113.08	376.74	51.95	13.66	33.89	4.33	18.82	2.53	5.83	0.53
LG32	104	105	710.70	1351.20	143.17	477.05	62.85	15.98	42.53	5.03	24.10	3.36	7.78	0.72
LG32	105	106	640.33	1223.45	134.71	454.89	61.11	15.17	40.11	4.70	22.27	3.22	7.55	0.64
LG32	106	107	535.96	1049.03	120.09	409.40	54.50	14.13	35.15	4.16	18.94	3.05	6.98	0.66

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG32	107	108	571.14	1164.49	126.25	414.07	54.27	13.43	34.12	4.20	19.74	2.83	6.63	0.58
LG32	108	109	1136.42	1787.28	183.04	543.54	61.46	15.05	36.42	4.78	23.53	3.36	7.32	0.55
LG32	109	110	891.31	1492.47	147.40	470.05	57.86	15.52	38.50	5.00	20.89	2.88	5.37	0.43
LG32	110	111	1051.98	1719.72	170.35	521.37	65.28	18.76	47.37	5.69	22.15	2.51	4.92	0.32
LG32	111	112	960.50	1541.60	148.00	446.73	52.88	13.20	36.88	4.93	22.49	2.67	4.69	0.35
LG32	112	113	1290.05	2278.62	231.36	786.14	106.80	26.86	61.90	5.83	18.36	2.21	4.00	0.33
LG32	113	114	1260.73	1953.10	177.60	538.87	65.17	15.28	40.34	4.58	19.05	3.02	6.63	0.75
LG32	114	115	508.98	1082.19	113.69	384.91	54.62	14.59	35.39	4.30	19.05	3.26	7.55	0.80
LG32	115	116	2204.81	4274.72	463.93	1504.64	180.31	41.57	94.17	9.90	34.77	4.69	8.80	0.78
LG32	116	117	1471.83	2714.69	274.25	881.79	117.12	28.95	72.27	9.16	37.99	5.62	9.95	0.89
LG32	117	118	872.54	1627.59	173.98	585.53	92.30	25.13	70.08	10.60	52.22	8.32	15.67	1.23
LG32	118	119	805.69	1510.89	156.46	526.04	81.17	20.38	59.59	9.02	41.66	5.85	9.38	0.73
LG32	119	120	5512.03	9311.03	916.99	2810.99	371.06	91.82	202.86	19.11	61.40	7.48	12.46	1.05
LG32	120	121	6837.27	11190.43	1100.63	3534.15	521.81	137.79	298.53	26.93	85.85	10.40	17.72	1.63
LG32	121	122	4949.10	7566.75	736.98	2268.62	310.76	81.63	197.67	25.41	127.39	22.85	49.51	4.74
LG32	122	123	4562.09	9237.33	979.82	3032.60	373.38	91.36	202.28	18.58	55.20	6.56	10.06	0.86
LG32	123	124	2210.68	4201.02	451.85	1446.32	168.72	37.98	81.84	7.77	24.79	3.38	5.83	0.45
LG32	124	125	2451.10	4520.39	437.35	1364.67	162.92	35.55	76.07	6.75	22.72	2.62	5.03	0.43
LG32	125	126	2116.86	4090.47	428.90	1428.82	212.78	50.37	114.11	11.88	43.61	5.69	10.18	0.88
LG32	126	127	941.74	1639.87	152.83	474.72	63.31	14.71	32.96	3.15	10.90	1.44	2.86	0.25
LG32	127	128	528.92	956.90	100.16	330.09	46.96	11.81	28.35	3.07	11.71	1.62	3.09	0.27
LG32	128	129	1653.61	3144.62	315.33	984.43	115.26	28.02	58.55	5.42	20.77	2.65	4.57	0.41
LG32	129	130	790.45	1615.30	164.91	559.86	86.85	21.77	50.02	5.19	22.27	3.05	5.72	0.61
LG32	130	131	2404.18	4336.14	443.40	1388.00	174.52	44.46	101.78	9.66	39.25	4.85	9.15	0.82
LG32	131	132	806.87	1572.31	144.38	459.56	56.36	13.78	34.81	3.92	17.90	2.54	5.26	0.65
LG32	132	133	912.42	1916.25	178.20	576.19	74.91	18.87	45.18	5.03	21.69	3.30	7.20	0.78
LG32	133	134	2034.76	4225.59	453.06	1516.30	180.31	42.15	94.40	8.66	33.51	4.22	7.09	0.62
LG32	134	135	1817.80	3943.06	402.32	1417.16	179.15	37.86	84.37	9.99	33.63	3.65	6.63	0.55
LG32	135	136	697.80	1609.16	154.64	545.87	68.41	13.90	32.50	3.87	13.77	1.84	3.89	0.46
LG32	136	137	1600.84	3181.47	274.25	864.29	91.37	18.53	45.87	5.92	23.18	3.43	7.55	0.70
LG32	137	138	2327.95	4729.22	466.35	1638.77	211.04	48.05	112.96	14.29	60.37	8.60	16.01	1.39
LG32	138	139	5066.38	9642.69	848.13	2601.04	260.90	55.12	126.21	17.88	68.29	9.08	17.61	1.55
LG32	139	140	5195.38	10637.67	1107.88	3674.11	481.22	126.79	300.83	34.34	153.79	21.65	39.56	3.87
LG32	140	141	5265.75	10662.23	1128.42	3720.77	543.84	148.79	367.69	38.46	149.77	18.44	30.30	2.57
LG32	141	142	5605.85	11362.40	1192.46	3884.06	533.40	144.16	358.46	43.87	203.71	29.33	54.09	4.88
LG32	142	143	2345.55	4852.05	514.68	1673.76	222.64	60.68	165.40	23.99	138.87	22.51	44.60	3.76
LG32	143	144	1017.97	2069.80	202.97	626.35	67.49	15.98	36.88	4.14	19.51	2.61	4.35	0.42
LG32	144	145	792.79	1603.02	169.14	552.87	82.10	23.51	64.55	10.34	60.48	9.87	18.30	1.45
LG32	145	146	730.64	1492.47	157.67	519.04	68.53	16.79	43.80	6.52	39.48	7.03	13.49	1.21
LG32	146	147	615.71	1224.68	123.84	403.57	54.27	13.66	34.12	4.14	23.18	4.15	9.38	0.94
LG32	147	148	265.05	582.25	63.91	219.86	33.98	9.26	25.01	3.29	21.92	4.24	9.03	0.89
LG32	148	149	1776.75	3279.74	305.66	964.60	118.86	30.45	74.46	7.67	30.99	4.18	7.32	0.73
LG32	149	150	748.23	1486.33	142.56	463.05	59.49	15.52	39.77	4.82	25.71	4.65	10.52	1.12
LG32	150	151	442.14	878.28	88.44	281.10	36.41	9.84	25.70	3.07	19.28	3.30	7.78	0.74
LG32	151	152	413.99	832.83	85.90	285.76	34.67	9.26	21.32	2.71	13.20	2.34	4.80	0.45
LG32	152	153	516.02	1116.59	99.67	325.42	43.37	10.54	27.66	3.54	19.40	3.62	8.46	1.02
LG32	153	154	510.16	1096.93	114.05	383.74	52.41	14.59	37.81	5.18	31.91	6.52	17.38	1.85
LG32	154	155	413.99	792.30	80.71	265.94	38.96	11.00	27.32	3.31	18.02	3.22	6.98	0.59
LG32	155	156	1009.76	2082.08	192.70	621.68	84.88	22.23	58.09	6.65	33.97	5.85	12.12	1.20
LG32	156	157	340.10	686.66	68.14	218.11	28.53	6.95	17.87	1.93	9.98	1.60	2.97	0.31
LG32	157	158	356.52	767.73	86.02	299.76	47.31	14.13	37.00	4.94	27.54	4.88	10.75	1.07
LG32	158	159	341.28	701.40	72.49	240.28	28.87	7.29	17.52	2.23	12.97	2.42	5.95	0.69
LG32	159	160	194.68	458.18	51.59	172.04	22.50	6.14	13.83	1.48	7.00	1.02	2.17	0.29
LG32	160	161	310.78	595.76	59.08	195.95	27.02	7.06	17.75	2.26	12.05	2.25	5.26	0.64
LG32	161	162	626.26	1467.90	168.54	580.86	70.73	16.44	38.84	3.81	15.38	2.06	3.77	0.42
LG32	162	163	1612.56	3439.43	382.99	1253.86	143.21	30.34	64.78	6.81	25.02	2.94	4.35	0.33

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG32	163	164	709.53	1498.61	170.35	614.68	84.30	21.07	47.03	5.63	22.72	2.98	5.26	0.51
LG32	164	164.4	615.71	1400.34	157.67	541.20	71.31	17.48	47.49	6.54	30.07	4.25	8.00	0.72
LG42	4.3	5	437.44	1015.86	90.01	283.43	40.12	8.45	23.17	3.06	14.46	2.47	6.52	0.79
LG42	5	6	349.49	851.26	77.56	251.94	36.18	7.99	22.71	2.85	14.00	2.45	5.49	0.77
LG42	6	7	302.58	764.04	69.23	222.20	33.98	7.06	19.48	2.60	13.31	2.21	5.49	0.64
LG42	7	8	297.88	762.82	68.99	222.78	32.35	6.95	19.25	2.69	13.08	2.15	5.49	0.79
LG42	8	9	307.27	786.16	70.31	228.61	34.67	7.29	20.52	2.71	14.23	2.21	5.60	0.89
LG42	9	10	307.27	773.87	70.80	233.28	33.05	6.95	21.67	2.71	13.43	2.41	5.83	0.78
LG42	10	11	316.65	805.81	73.58	244.94	37.45	7.99	22.82	3.06	15.26	2.43	5.95	0.80
LG42	11	12	313.13	807.04	73.34	240.28	37.22	8.34	24.78	3.35	16.99	2.82	6.98	0.78
LG42	12	13	284.98	739.48	67.05	228.03	34.79	7.64	22.36	3.18	17.33	2.76	6.75	0.85
LG42	13	14	266.22	691.57	61.50	209.37	31.31	6.60	19.02	2.68	14.00	2.13	5.60	0.75
LG42	14	15	256.84	665.78	61.37	201.78	30.03	6.37	17.87	2.46	12.62	2.11	5.37	0.67
LG42	15	16	265.05	686.66	62.22	208.20	31.31	6.37	20.06	2.67	13.08	2.23	5.49	0.80
LG42	16	17	270.91	707.54	63.19	208.78	32.35	6.83	19.13	2.69	13.66	2.23	5.83	0.75
LG42	17	18	266.22	682.97	62.34	202.95	31.19	6.72	18.44	2.56	14.00	2.18	5.49	0.71
LG42	18	19	272.08	696.48	64.52	212.28	32.70	6.95	20.40	2.74	14.00	2.28	5.03	0.71
LG42	19	20	267.39	703.85	62.70	208.20	32.93	6.95	21.09	2.69	14.23	2.36	5.72	0.74
LG42	20	21	263.87	685.43	61.62	201.78	30.96	6.72	19.94	2.72	14.23	2.25	5.49	0.80
LG42	21	22	255.66	664.55	59.56	200.03	30.73	6.37	19.59	2.66	13.31	2.13	5.15	0.72
LG42	22	23	260.36	696.48	61.01	205.87	31.42	6.83	19.59	2.51	13.43	2.22	5.60	0.69
LG42	23	24	267.39	713.68	63.31	211.70	32.93	6.83	20.52	2.81	14.92	2.30	6.06	0.77
LG42	24	25	266.22	700.17	63.07	214.03	34.32	7.18	20.63	2.80	14.35	2.46	5.60	0.73
LG42	25	26	269.74	727.19	64.52	215.78	32.58	6.60	20.17	2.85	15.61	2.46	5.49	0.74
LG42	26	27	265.05	701.40	62.22	208.78	33.28	6.48	21.09	2.69	14.58	2.30	5.95	0.79
LG42	27	28	258.01	711.23	61.86	205.28	32.70	6.95	19.71	2.73	14.00	2.28	6.06	0.72
LG42	28	29	273.26	741.93	64.39	219.86	35.13	7.41	20.98	2.85	15.26	2.42	6.29	0.82
LG42	29	30	272.08	733.34	64.76	216.95	34.79	7.06	20.86	2.92	15.26	2.43	5.95	0.69
LG42	30	31	279.12	762.82	66.81	222.78	36.87	7.41	22.36	3.15	16.30	2.63	6.40	0.90
LG42	31	32	276.77	761.59	66.81	226.28	36.76	7.87	23.63	3.26	17.67	2.96	6.86	0.90
LG42	32	33	287.33	783.70	68.50	230.36	39.54	8.57	24.78	3.36	17.56	2.85	7.09	0.87
LG42	33	34	289.67	804.58	69.23	233.28	36.76	8.34	23.97	3.29	18.36	3.04	7.66	0.99
LG42	34	35	307.27	848.80	73.21	244.94	39.66	8.92	25.82	3.80	19.28	3.52	8.92	1.24
LG42	35	36	318.99	845.12	76.23	263.60	39.66	9.73	29.05	4.10	20.66	3.69	9.72	1.32
LG42	36	37	326.03	848.80	77.56	262.44	39.54	9.61	29.28	4.05	21.81	3.96	9.49	1.11
LG42	37	38	321.34	883.20	75.99	255.44	39.31	9.15	26.74	3.69	18.25	3.18	8.12	0.98
LG42	38	39	337.76	942.16	80.10	269.43	40.24	9.03	25.82	3.52	16.76	2.98	6.86	0.91
LG42	39	40	344.80	921.28	79.98	269.43	40.47	8.68	25.82	3.47	16.99	2.90	8.00	1.01
LG42	40	41	378.81	1017.09	86.50	290.43	43.72	9.73	27.20	3.58	18.48	3.18	7.78	1.01
LG42	41	42	398.74	1063.77	91.46	298.59	43.60	9.49	28.12	3.70	19.51	3.23	8.00	0.95
LG42	42	43	439.79	1135.01	97.86	324.25	46.73	10.88	30.77	4.05	20.08	3.48	8.69	1.12
LG42	43	44	437.44	1133.78	98.10	318.42	48.01	10.77	31.58	4.16	19.85	3.45	8.69	1.13
LG42	44	45	419.85	1101.85	93.75	309.09	45.46	10.65	29.97	3.82	19.85	3.45	8.12	1.05
LG42	45	46	351.83	899.17	74.79	243.77	35.60	7.76	22.36	3.09	14.69	2.52	6.06	0.82
LG42	46	47	446.83	939.70	75.75	229.19	29.45	6.14	17.75	2.40	12.05	2.08	5.49	0.61
LG42	47	48	286.16	703.85	52.19	156.88	21.45	4.86	13.72	1.91	9.18	1.67	4.23	0.57
LG42	48	49	233.38	512.23	36.97	106.84	14.49	3.13	8.64	1.20	7.00	1.32	3.09	0.33
LG42	49	50	465.59	998.66	67.42	183.12	21.57	4.86	12.79	1.72	9.76	1.67	4.35	0.57
LG42	50	51	281.47	574.88	40.47	110.69	12.41	2.66	7.61	1.12	6.20	1.33	3.89	0.54
LG42	51	52	402.26	831.61	61.01	162.71	17.16	3.94	8.76	1.14	6.20	1.19	3.66	0.46
LG42	52	53	1272.46	2444.45	193.31	530.71	53.11	10.65	22.48	2.05	8.84	1.44	3.43	0.40
LG42	53	54	6743.44	10674.52	1107.88	2810.99	258.58	50.95	98.32	8.92	28.69	3.76	7.43	0.82
LG42	54	55	15128.77	25058.71	2428.40	6671.72	627.33	128.53	260.49	24.11	83.21	10.95	21.27	2.24
LG42	55	56	7259.46	13020.70	1188.83	3312.53	324.68	70.17	142.35	13.11	44.42	5.22	10.63	1.10
LG42	56	57	13310.97	21312.18	2108.24	5971.89	553.11	111.28	224.76	19.29	62.55	7.31	13.26	1.44
LG42	57	58	9933.39	16460.13	1594.77	4560.56	438.32	88.12	169.43	13.88	43.61	4.90	8.92	0.77

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG42	58	59	16125.63	26287.07	2349.87	6426.78	543.84	102.24	186.72	15.88	51.07	6.19	10.63	1.16
LG42	59	60	18177.98	27024.09	2730.44	7523.18	667.91	127.95	232.83	19.64	60.71	7.03	12.58	1.23
LG42	60	61	5863.86	8008.96	832.42	2321.11	242.35	54.42	124.48	13.06	47.74	5.68	9.15	0.80
LG42	61	62	2673.92	4029.05	356.41	1178.05	146.69	36.82	93.82	10.10	39.82	5.13	8.92	0.90
LG42	62	63	2017.17	3685.10	308.08	1057.91	142.63	37.98	99.82	11.10	46.83	6.62	12.24	1.11
LG42	63	64	983.96	2290.91	190.29	632.18	86.39	21.42	55.33	6.73	27.89	3.95	7.55	0.65
LG42	64	65	906.55	5122.29	209.62	752.32	118.86	33.58	102.47	13.35	64.84	10.01	20.01	2.02
LG42	65	66	1407.33	3328.88	246.46	784.98	101.81	28.83	101.55	16.00	102.60	22.51	57.75	6.42
LG42	66	67	7095.28	11423.82	1129.63	3207.56	284.09	50.83	96.70	8.40	32.82	4.63	8.23	0.75
LG42	67	68	21637.66	36851.04	3491.59	9541.03	708.50	116.95	200.56	15.94	57.38	7.56	12.35	0.87
LG42	68	69	7388.47	13082.12	1316.90	3954.04	413.97	81.63	158.48	13.70	49.47	5.93	9.26	0.74
LG42	69	70	10472.86	17074.31	1618.94	4502.25	516.01	125.06	277.78	24.70	77.93	8.53	12.01	0.90
LG42	70	71	6004.60	10367.43	1011.23	3102.58	342.07	68.09	135.43	11.30	41.20	5.11	7.32	0.54
LG42	71	72	7752.03	13450.63	1310.85	3977.37	445.27	90.43	172.32	15.00	50.96	6.29	9.26	0.73
LG42	72	73	10977.15	18794.03	1806.20	5353.71	564.71	115.79	228.22	20.17	71.85	8.80	12.81	1.04
LG42	73	74	7798.94	13450.63	1298.77	3849.07	409.33	86.15	166.55	15.00	50.96	6.07	8.69	0.66
LG42	74	75	10637.05	17381.41	1631.02	4630.55	482.38	100.39	205.17	19.64	73.57	8.72	12.81	0.98
LG42	75	76	15187.41	24813.03	2319.67	6800.02	742.12	160.37	320.43	29.05	101.57	12.66	18.30	1.43
LG42	76	77	15070.13	24690.20	2301.55	6800.02	705.02	145.90	287.00	26.23	93.42	11.91	19.44	1.46
LG42	77	78	21520.38	34148.63	3129.14	9156.12	880.11	171.37	334.26	28.70	101.57	12.77	19.21	1.39
LG42	78	79	15480.60	24567.36	2277.38	6718.38	663.27	137.21	276.63	25.41	92.04	11.57	17.38	1.48
LG42	79	80	8572.97	14924.67	1461.88	4478.92	507.89	111.05	230.52	21.99	81.37	9.65	14.18	1.13
LG42	80	81	13076.42	21742.11	2084.08	6170.18	626.17	129.11	260.49	23.52	82.29	10.24	14.64	1.14
LG42	81	82	15070.13	23461.83	2144.49	6065.20	618.05	124.48	248.97	22.88	79.88	9.95	15.32	1.16
LG42	82	83	8080.41	12959.28	1244.41	3580.80	409.33	89.97	180.96	15.88	55.09	6.78	10.86	0.98
LG42	83	84	6239.15	10649.95	1029.35	3114.25	379.18	88.58	194.79	18.64	65.99	8.27	11.89	0.95
LG42	84	85	7271.19	11485.24	1047.48	3055.93	315.40	65.65	136.59	12.70	46.37	5.93	9.26	0.83
LG42	85	86	13428.25	21864.95	2047.83	6088.53	688.78	145.32	293.92	24.46	80.91	9.61	14.18	1.12
LG42	86	87	9065.53	14617.58	1353.14	3860.73	452.23	101.55	205.17	16.64	49.81	5.80	8.69	0.78
LG42	87	88	22048.13	32920.26	2899.59	8071.38	863.88	185.27	371.14	29.29	85.96	9.69	14.52	1.16
LG42	88	89	26739.22	44221.25	3999.01	11780.49	1156.09	229.27	444.91	41.17	149.20	18.16	28.02	2.06
LG42	89	90	16008.35	27024.09	2549.22	7569.84	780.39	158.06	311.21	29.29	109.26	14.32	21.15	1.71
LG42	90	91	10578.41	17565.66	1649.14	4875.49	482.38	94.83	180.96	14.53	46.48	5.96	9.72	0.86
LG42	91	92	35065.91	52082.80	4397.71	12013.76	999.55	191.06	346.94	27.88	92.73	11.97	20.24	1.58
LG42	92	93	15949.71	25058.71	2253.22	6438.44	613.41	125.06	237.44	19.88	66.11	7.95	12.35	1.01
LG42	93	94	17591.59	28743.81	2670.04	7569.84	765.31	155.74	311.21	26.35	87.34	10.60	16.01	1.45
LG42	94	95	14952.85	23216.15	2090.12	6041.87	600.66	125.63	254.73	21.17	69.66	8.26	13.61	1.04
LG42	95	96	13721.44	20698.00	1818.28	5015.45	470.78	101.78	206.32	17.82	58.88	7.22	10.63	0.88
LG42	96	97	16242.90	23031.90	1933.06	5213.74	531.08	119.85	248.97	22.52	72.53	8.40	12.12	0.96
LG42	97	98	12314.12	17319.99	1480.00	3837.41	371.06	87.31	185.00	16.88	56.12	6.93	11.21	0.91
LG42	98	99	14366.47	21127.93	1806.20	4875.49	480.06	107.22	227.07	22.11	82.40	10.49	16.69	1.26
LG42	99	100	19526.67	30463.52	2730.44	7616.49	727.05	158.64	326.19	29.40	98.01	11.51	16.81	1.19
LG42	100	101	4175.07	6547.20	618.58	1807.90	218.00	58.01	152.15	22.46	104.44	16.04	28.93	2.56
LG42	101	102	4702.82	7554.46	715.23	2029.51	196.55	41.45	87.25	10.56	49.12	7.78	14.41	1.35
LG42	102	103	2978.84	4606.38	433.73	1224.70	135.09	30.34	68.93	8.21	41.55	7.25	15.09	1.39
LG42	103	104	2357.27	3807.94	337.08	996.09	100.19	22.70	50.02	5.61	23.99	3.48	6.98	0.64
LG42	104	105	1987.85	3365.73	305.66	912.11	92.42	20.15	41.96	4.43	17.44	2.49	4.46	0.48
LG42	105	106	1009.76	1922.40	178.20	534.20	54.62	11.81	24.55	2.76	11.36	1.64	3.20	0.32
LG42	106	107	953.46	1781.13	161.89	499.21	57.98	13.90	32.96	4.34	21.46	3.25	5.83	0.59
LG42	107	108	1066.05	1885.54	173.98	554.03	67.49	17.14	44.38	5.90	28.69	4.39	8.23	0.82
LG42	108	109	718.91	1320.50	127.46	417.57	57.40	15.52	38.38	5.29	27.20	4.23	8.00	0.79
LG42	109	110	946.43	1738.14	160.08	502.71	61.80	14.59	33.43	3.92	16.76	2.58	4.69	0.47
LG42	110	111	1290.05	2198.78	199.95	620.52	78.27	20.15	47.72	6.15	29.95	4.36	8.58	0.69
LG42	111	112	1612.56	2714.69	244.05	776.81	107.61	28.72	72.15	10.30	50.96	7.39	11.55	0.89
LG42	112	113	971.06	1633.73	144.38	432.73	48.93	11.12	26.86	3.27	15.84	2.60	4.69	0.49
LG42	113	114	1043.77	1762.71	158.87	480.55	49.40	11.81	27.32	3.22	13.77	2.14	4.69	0.47

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
LG42	114	115	3424.50	5183.71	450.64	1335.51	140.31	33.81	70.54	8.44	35.69	4.79	9.15	0.82
LG42	115	116	3236.85	5552.22	535.22	1732.08	168.72	35.20	72.04	5.87	18.59	2.22	3.32	0.23
LG42	116	117	1993.71	2911.23	245.26	683.50	73.98	20.73	53.83	7.28	33.86	5.22	10.86	0.93
LG42	117	118	819.77	1302.07	111.27	312.59	34.90	9.49	24.90	3.47	16.99	2.43	4.35	0.29
LG42	118	119	813.90	1455.62	134.11	428.06	47.31	10.31	23.74	2.38	11.25	1.42	2.86	0.25
LG42	119	120	1202.09	2112.79	191.49	573.86	61.23	13.08	28.24	3.21	14.92	2.36	4.80	0.45
LG42	120	121	1553.92	2690.13	236.20	701.00	68.65	15.28	35.15	3.92	15.61	2.18	4.46	0.41
LG42	121	122	2122.72	3562.27	322.58	980.93	98.56	23.51	52.10	5.76	23.53	3.61	6.86	0.66
LG42	122	123	1976.12	3328.88	299.62	899.28	98.22	21.54	46.68	5.01	19.28	2.71	4.92	0.50
LG42	123	124	1753.30	2911.23	259.75	790.81	82.21	17.83	38.61	3.93	16.07	2.36	3.89	0.42
LG42	124	125	1536.33	2567.29	229.55	674.17	61.80	13.90	30.08	3.58	14.81	2.39	4.35	0.45
LG42	125	126	1606.70	2690.13	241.03	718.49	65.40	14.36	31.47	3.39	13.77	1.88	4.00	0.34
LG42	126	127	1571.52	2567.29	224.11	666.01	70.04	15.52	35.04	3.61	15.15	2.04	3.89	0.34
LG42	127	128	680.21	1246.79	115.26	367.41	43.72	10.77	25.13	2.80	12.40	1.95	3.09	0.41
LG42	128	129	249.80	486.43	52.07	182.54	26.90	7.29	17.87	2.13	10.90	1.86	3.32	0.33
LG42	129	130	113.76	167.06	15.95	61.70	13.91	4.75	15.10	2.36	12.40	1.95	3.89	0.34
LG42	130	131	70.37	89.67	8.58	33.71	12.29	4.28	15.45	2.99	17.33	3.05	5.95	0.49
LG42	131	132	51.60	63.88	6.04	22.51	6.49	3.01	9.34	1.74	10.56	2.02	3.77	0.54
LG42	132	133	394.05	835.29	92.55	328.92	44.99	11.23	26.86	3.00	14.00	2.37	4.92	0.63
LG42	133	134	69.19	92.13	8.34	29.86	8.35	3.36	10.49	1.81	11.71	2.34	5.26	0.81
LG42	134	135	484.36	990.06	108.98	389.57	54.50	12.85	30.66	3.61	16.64	2.89	6.52	0.70
LG42	135	136	201.72	388.16	42.04	149.88	22.15	6.48	16.37	2.34	12.05	2.29	5.49	0.54
LG42	136	137	450.34	875.83	95.69	332.42	42.67	10.88	25.01	2.98	14.69	2.38	5.03	0.57
LG42	137	138	2081.67	3292.03	287.54	853.79	83.72	18.53	37.58	3.92	15.38	2.08	3.09	0.32
LG42	138	139	1336.96	2555.01	224.72	696.33	73.28	15.75	38.38	5.20	25.71	3.95	7.55	0.65
LG42	139	140	1413.19	2579.57	224.11	688.17	71.78	15.28	38.04	4.88	23.99	3.67	7.43	0.67
LG42	140	141	951.12	1811.84	166.12	537.70	64.47	14.36	38.27	4.70	22.72	3.73	7.78	0.64
LG42	141	142	2826.38	4520.39	379.36	1138.39	124.65	30.69	78.95	11.31	51.07	7.32	14.87	1.21
LG42	142	143	7118.73	11558.94	955.66	2706.01	212.78	39.37	77.34	11.17	29.84	3.17	5.72	0.30
LG42	143	144	6602.71	10957.04	913.37	2554.38	190.75	35.78	70.31	9.92	29.38	3.21	5.72	0.35
LG42	144	145	6755.17	10944.76	898.87	2507.73	189.01	35.78	69.73	10.22	27.20	2.83	5.49	0.29
LG42	145	146	8678.52	13266.37	1075.26	3067.59	264.38	54.08	114.34	14.70	43.73	4.75	8.92	0.63
LG42	146	147	5254.02	9311.03	826.38	2507.73	255.10	51.41	104.54	12.53	36.96	4.26	8.46	0.54
LG42	147	148	3354.13	5589.07	476.02	1469.64	156.54	33.00	77.46	11.08	44.19	5.26	9.15	0.74
LG42	148	149	4362.72	6878.86	561.79	1662.10	185.53	45.16	112.03	14.94	54.52	6.54	11.32	0.86
LG42	149	150	1571.52	2972.65	256.13	807.14	91.61	20.96	48.29	6.14	23.64	3.41	6.98	0.65
LG42	153.25	154	2451.10	4176.45	353.99	1096.40	128.71	28.72	62.01	7.34	25.36	2.90	5.15	0.48
LG42	154	155	5418.21	9630.40	863.84	2566.05	211.62	36.71	71.69	10.14	27.31	2.82	5.83	0.29
LG42	155	156	7388.47	11792.33	1006.40	2962.62	245.83	44.00	92.32	13.00	38.68	4.22	7.20	0.53
LG42	156	157	11059.25	16460.13	1298.77	3569.14	301.49	56.74	116.41	17.29	48.55	5.38	9.49	0.55
LG42	157	158	6590.98	11190.43	989.48	2927.63	237.71	45.62	90.02	12.82	37.64	4.03	7.43	0.42
LG42	158	159	4749.73	8930.23	843.30	2671.02	222.64	40.30	78.61	10.12	30.76	2.82	6.17	0.27
LG42	159	160	5863.86	9765.52	898.87	2845.98	244.67	43.42	83.45	11.02	32.14	3.39	6.40	0.41
LG42	160	161	5265.75	8905.67	791.35	2379.42	188.43	32.42	59.36	8.19	21.81	2.11	4.35	0.30
LG42	161	162	6895.90	11952.02	1042.64	3032.60	244.67	41.92	78.84	10.94	27.31	2.96	5.37	0.34
LG42	162	163	5758.31	9298.75	776.85	2181.14	164.08	27.79	51.29	7.32	17.44	1.71	3.77	0.21
LG42	163	164	9218.00	14187.65	1140.50	3137.58	236.55	40.76	73.54	11.28	26.97	2.63	5.60	0.23
LG42	164	165	11117.89	15784.53	1198.50	3149.24	240.03	41.22	76.88	11.62	24.56	2.36	4.80	0.24
LG42	165	166	6673.08	10453.41	855.38	2414.42	190.17	33.58	61.55	9.00	21.12	2.11	4.23	0.22
LG42	166	166.35	7212.55	10772.79	868.67	2484.40	216.26	42.03	81.95	10.80	30.53	3.22	5.49	0.38
OA167	0	1	181.78	669.46	37.94	128.89	17.39	4.05	11.07	1.74	9.87	2.04	5.83	0.87
OA167	1	2	200.54	729.65	41.68	141.13	19.71	4.28	11.87	1.95	10.44	2.07	5.49	0.93
OA167	2	3	195.85	789.84	40.11	132.38	18.67	4.05	11.99	1.79	10.44	2.13	6.06	0.88
OA167	3	4	212.27	847.57	44.34	145.21	20.18	4.40	12.45	1.95	10.79	2.20	5.83	0.90
OA167	4	5	222.83	857.40	45.19	147.55	19.25	4.40	12.56	1.94	10.67	2.15	5.72	0.93
OA167	5	6	221.65	846.35	44.46	145.21	20.41	4.40	12.79	1.86	10.44	2.08	5.49	0.85

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
OA167	6	7	280.29	900.39	56.78	186.04	24.81	5.33	14.52	2.12	11.36	2.11	5.83	0.82
OA167	7	8	333.07	872.14	71.16	236.78	32.00	6.72	18.44	2.54	12.97	2.39	6.29	0.88
OA167	8	9.2	327.20	793.53	71.76	239.11	32.47	7.29	20.40	2.69	13.20	2.41	6.17	0.79
OA167	9.2	10.4	382.32	896.71	84.57	285.76	37.69	8.22	22.36	2.91	14.58	2.80	6.52	0.91
OA167	10.4	11.7	370.60	866.00	84.93	293.93	40.24	8.80	24.78	3.13	15.95	2.75	6.52	0.97
OA167	11.7	12.3	538.30	974.10	110.79	360.41	49.28	9.84	26.63	3.60	16.64	2.76	6.86	0.82
OA167	12.3	13.3	589.90	974.10	122.02	391.91	51.95	10.77	28.47	3.67	16.41	2.75	6.63	0.85
OA167	13.3	14.25	440.96	1007.26	114.78	403.57	59.37	13.20	32.85	4.12	18.02	2.85	7.20	0.88
OA167	14.25	15	415.16	1007.26	108.73	400.07	64.24	15.17	38.27	4.78	20.77	3.34	7.66	0.96
OA167	15	16	467.94	1139.93	122.02	451.39	75.84	18.30	48.76	6.02	26.28	4.01	8.92	1.13
OA167	16	17	511.33	1234.51	131.09	498.05	86.04	19.34	54.98	6.57	28.92	4.43	9.95	1.28
OA167	17	18.9	587.56	1406.48	149.81	613.52	105.75	23.04	59.36	7.12	31.22	4.73	10.86	1.39
OA167	18.9	20	979.27	2309.33	269.42	1094.07	153.06	32.77	77.92	9.09	38.79	5.90	11.78	1.38
OA167	20	20.8	1460.10	3341.16	433.73	1574.62	177.99	37.86	78.26	8.59	35.46	5.18	10.86	1.23
OA167	20.8	21.5	2638.74	6829.73	840.88	3254.21	437.16	99.58	246.66	26.23	102.60	12.54	20.93	1.92
OA167	21.5	22.3	1348.69	3451.71	404.73	1370.50	160.60	35.20	74.46	7.94	34.20	4.97	9.83	1.13
OA167	22.3	23	1659.47	4544.96	502.60	1708.75	195.97	40.30	79.30	8.14	33.63	4.40	9.49	0.93
OA167	23	24	1940.94	5417.10	634.28	2087.83	240.03	51.06	104.89	10.66	43.96	6.03	11.09	1.20
OA167	24	24.8	3694.23	10281.44	1192.46	4059.02	473.10	100.74	204.59	20.58	82.63	10.97	19.90	2.04
OA167	24.8	26	2345.55	6301.53	752.68	2601.04	339.75	79.20	171.74	18.58	75.40	10.21	20.47	2.09
OA167	26	27	2779.47	6854.29	773.22	2472.74	313.08	74.80	176.35	19.88	88.60	12.66	25.16	2.59
OA167	27	28	1929.21	4680.08	515.88	1802.06	248.15	57.32	127.36	14.58	64.73	9.75	20.24	2.22
OA167	28	29	3846.70	8402.04	976.19	3417.51	482.38	120.42	311.21	35.64	161.82	24.28	48.26	4.84
OA167	29	30	9429.09	20636.58	2210.93	7371.55	954.32	238.53	656.99	81.51	400.54	62.66	120.07	11.93
OA167	30	31.05	3670.78	8500.31	936.32	3172.57	393.09	96.92	257.03	31.87	159.53	24.97	48.71	4.80
OA167	31.05	32	3283.76	8967.09	1040.23	3522.48	410.49	83.72	168.86	17.88	80.45	13.35	29.39	3.21
OA167	32	33	2673.92	6903.43	785.30	2682.69	331.64	69.59	147.54	16.53	76.21	13.40	30.19	3.75
OA167	33	34.05	3729.42	10355.14	1220.24	4245.64	455.71	90.43	176.35	16.76	65.65	9.59	20.58	2.49
OA167	34.05	35	2744.29	7112.25	822.76	2799.32	343.23	74.92	158.48	17.41	71.96	11.63	23.10	2.51
OA167	35	36	3342.40	8610.86	1018.48	3522.48	419.76	88.47	183.84	19.70	87.57	16.04	35.10	3.88
OA167	36	37	2005.44	4839.77	560.59	2064.50	259.74	58.36	133.70	14.82	68.17	12.94	32.02	3.64
OA167	37	38.05	3072.67	7996.68	939.95	3195.89	378.02	79.90	162.52	17.41	74.26	13.17	34.08	4.16
OA167	38.05	38.7	961.67	2327.76	246.46	873.62	109.35	24.20	54.63	6.41	30.64	6.09	16.35	2.30
OA167	38.7	39.4	897.17	1701.29	162.50	538.87	73.86	18.30	47.83	6.79	33.86	7.32	20.81	2.75
OA167	39.4	40	1770.89	4029.05	440.98	1568.79	200.61	43.19	94.75	11.19	50.96	8.90	21.95	2.66
OA167	40	41	2286.91	5896.17	712.82	2472.74	288.73	57.32	113.88	11.16	39.94	5.17	9.49	1.03
OA167	41	42	2269.32	6019.00	704.36	2437.74	274.82	55.23	107.89	10.63	38.33	5.14	9.95	1.06
OA167	42	43	2427.64	6670.04	822.76	2822.65	324.68	66.35	131.97	13.29	49.58	6.80	12.92	1.37
OA167	43	44	2720.83	7284.22	855.38	2985.95	343.23	68.32	136.59	13.76	54.40	7.17	14.87	1.54
OA167	44	45	2240.00	5859.31	656.03	2326.94	282.93	58.59	122.75	12.64	49.12	7.16	13.61	1.66
OA167	45	46	2257.59	5601.36	623.41	2245.29	284.09	59.86	131.40	13.94	56.93	8.17	16.47	1.85
OA167	46	47	2509.73	6203.26	715.23	2402.75	289.89	62.64	133.13	13.88	54.97	8.04	15.67	1.67
OA167	47	48	3295.49	9016.22	1065.60	3837.41	420.92	84.64	168.86	16.76	62.09	8.02	14.75	1.51
OA167	48	49	2157.90	5638.21	612.54	2169.48	265.54	56.39	114.34	11.27	44.30	5.73	10.18	1.12
OA167	49	50	1465.97	3918.49	432.52	1557.12	187.27	39.37	77.23	7.75	29.15	3.94	7.20	0.73
OA167	50	51	967.54	2776.11	299.62	1073.07	133.35	28.95	56.25	6.14	23.18	3.07	5.72	0.65
OA167	51	52	1987.85	5724.19	622.20	2239.46	281.78	59.75	113.53	11.76	45.22	5.91	9.95	1.07
OA167	52	53	1929.21	5146.86	567.84	2041.17	248.15	50.72	100.97	9.84	38.79	4.99	9.26	0.90
OA167	53	54	1847.12	5085.44	558.17	2017.85	237.71	50.37	101.08	10.17	37.76	4.99	9.03	0.96
OA167	54	55	2005.44	5318.83	589.58	2111.16	253.95	54.42	108.46	10.67	40.74	5.49	9.95	1.01
OA167	55	56	5066.38	14126.23	1649.14	6100.19	658.63	130.85	252.42	22.82	80.91	9.74	16.24	1.36
OA167	56	57	1770.89	4655.51	520.72	1895.38	216.84	44.12	88.64	8.61	29.73	3.78	6.63	0.64
OA167	57	58.05	1135.24	2518.15	271.84	956.44	121.17	27.10	55.21	6.28	24.90	3.56	7.66	0.91
OA167	58.05	59	2345.55	5810.18	664.49	2379.42	300.33	63.34	133.70	13.35	50.38	6.50	11.32	1.11
OA167	59	60	1829.53	4458.98	486.89	1755.41	237.71	53.03	115.84	12.94	53.71	7.85	16.01	1.78
OA167	60	61	2556.64	6620.90	738.19	2507.73	308.45	66.46	141.20	14.70	55.32	7.50	14.06	1.42

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
OA167	61	62	1835.39	4766.07	523.13	1895.38	240.03	53.73	112.61	11.54	43.96	5.74	10.18	1.11
OA167	62	63	1594.97	3869.36	426.48	1551.29	219.16	52.69	122.18	14.76	65.07	9.97	19.78	2.31
OA167	63	64	1059.01	2333.90	258.55	877.12	113.75	26.98	62.47	6.70	29.38	4.33	9.72	1.22
OA167	64	65	3354.13	8745.98	1028.15	3580.80	401.21	91.71	188.45	17.52	69.32	8.77	15.32	1.44
OA167	65	66	3694.23	8954.80	1063.18	3522.48	387.30	83.25	169.43	16.11	66.91	9.19	18.30	2.04
OA167	66	67	2169.63	4987.17	526.76	1708.75	209.30	47.82	102.93	10.81	50.38	7.22	15.09	1.77
OA167	67	68.2	2298.63	5883.88	691.07	2303.61	289.89	65.31	134.28	13.47	55.55	7.61	14.18	1.53
OA167	68.2	69.4	1001.55	2690.13	304.46	1041.58	142.05	34.39	70.89	7.40	33.51	4.78	9.95	1.19
OA167	69.4	70.6	469.11	1080.96	114.65	383.74	51.72	12.04	26.63	3.01	13.66	2.14	5.15	0.58
OA167	70.6	71.8	1489.42	3832.51	418.02	1417.16	194.81	48.40	101.08	12.00	53.37	8.16	17.04	1.96
OA167	71.8	73	547.68	1157.12	122.63	415.23	65.05	18.30	45.30	6.13	32.25	5.43	12.35	1.39
OA167	73	74	2685.65	7063.12	850.55	2706.01	369.90	87.66	200.56	22.17	103.29	15.29	34.08	3.81
OA167	74	75	633.30	1738.14	186.66	643.84	86.04	21.07	43.45	4.72	20.66	2.84	5.83	0.66
OA167	75	76	1319.37	3193.76	355.20	1195.54	154.22	35.78	72.50	7.22	30.64	3.99	7.78	0.86
OA167	76	77	907.73	2303.19	253.71	884.12	110.39	26.28	55.33	5.52	23.18	3.16	6.75	0.73
OA167	77	78	995.68	2297.05	265.80	933.11	116.54	26.17	55.67	5.83	26.05	3.92	8.92	1.04
OA167	78	79	547.68	1192.75	124.44	409.40	52.06	11.93	26.74	3.20	14.58	2.38	6.40	0.82
OA167	79	80	871.37	1946.96	216.26	738.32	93.46	20.50	44.61	4.41	18.71	2.66	5.49	0.61
OA167	80	81	554.72	1069.91	102.69	312.59	38.38	9.84	22.59	2.83	13.31	2.25	5.95	0.75
OA167	81	82	677.86	1713.57	182.43	611.19	78.04	18.99	40.11	4.45	19.85	2.90	6.75	0.71
OA167	82	83	541.82	1381.91	157.67	556.37	73.28	17.14	39.53	3.98	17.90	2.55	6.06	0.66
OA167	83	83.6	656.75	1449.47	166.12	569.20	75.49	17.48	43.91	5.03	21.12	3.53	7.55	0.98
OA167	83.6	84.3	1612.56	4434.41	517.09	1749.58	209.30	46.20	91.75	9.67	37.87	4.87	9.26	0.88
OA167	84.3	85	3330.68	8930.23	1082.51	3814.08	418.60	86.61	176.35	17.00	60.83	7.80	13.49	1.30
OA167	85	86	1266.59	3095.49	362.45	1236.37	153.06	33.70	73.42	7.74	30.87	4.52	8.92	0.97
OA167	86	87	1677.07	4299.29	526.76	1819.56	209.88	44.81	96.01	9.13	32.14	4.19	7.55	0.64
OA167	87	88	2627.01	7112.25	877.13	3032.60	340.91	72.83	146.38	13.41	46.02	5.72	9.83	0.79
OA167	88	89	3764.60	10158.60	1256.49	4268.97	468.47	96.34	197.67	17.47	60.37	7.47	12.01	0.94
OA167	89	90	2802.93	7185.95	840.88	2845.98	315.40	65.65	136.59	12.88	47.97	6.28	11.32	1.13
OA167	90	91	1033.21	2640.99	300.83	1034.58	136.25	31.61	70.08	7.60	32.02	4.43	9.15	1.07
OA167	91	92	822.11	2008.38	225.32	775.65	104.36	25.24	53.94	6.19	25.48	3.91	7.66	0.91
OA167	92	93	618.05	1658.30	192.70	685.83	95.08	21.88	50.83	5.36	22.61	3.24	6.52	0.71
OA167	93	94	2486.28	6817.44	826.38	2939.29	323.52	68.20	139.47	12.59	45.22	5.42	9.03	0.82
OA167	94	95	2838.11	7640.45	949.61	3277.54	353.67	72.02	145.23	12.82	44.76	5.32	8.58	0.65
OA167	95	96	1354.55	3586.83	439.77	1545.46	186.69	40.30	85.75	8.42	34.20	4.59	8.80	0.89
OA167	96	97	500.77	1265.22	148.00	528.37	69.11	17.37	40.80	4.28	18.82	2.60	5.72	0.56
OA167	97	98	652.06	1646.01	197.53	697.50	93.23	21.88	53.83	5.83	23.87	3.34	6.40	0.72
OA167	98	99	482.01	1234.51	141.96	494.55	64.01	14.82	32.27	3.40	13.31	1.89	3.66	0.37
OA167	99	100	903.04	2340.04	283.92	979.76	124.07	26.05	56.02	5.32	20.77	2.89	4.92	0.50
OA167	100	101	1448.37	3857.08	472.39	1627.11	176.25	36.01	75.27	6.88	23.99	2.92	4.92	0.41
OA167	101	102	1864.71	5048.59	630.66	2192.80	237.71	49.33	102.70	9.21	32.48	3.91	6.98	0.57
OA167	102	103	1553.92	4151.88	507.43	1784.57	204.08	41.57	84.83	7.87	26.86	3.33	5.60	0.51
OA167	103	104	1190.36	3169.19	389.03	1341.34	149.58	32.54	66.28	6.30	21.35	2.81	4.80	0.41
OA167	104	105	1489.42	3857.08	474.81	1667.93	184.37	38.44	80.11	7.65	27.20	3.28	5.83	0.64
OA167	105	106	1858.85	4999.46	627.04	2157.81	233.07	48.05	96.47	8.76	30.76	3.89	6.75	0.64
OA167	106	107	2509.73	7284.22	921.83	3195.89	324.68	63.57	125.06	10.89	35.81	4.39	6.75	0.64
OA167	107	108	1817.80	5171.43	654.82	2157.81	245.83	47.94	101.43	8.96	31.45	4.10	7.20	0.65
OA167	108	109	2040.62	5552.22	685.03	2239.46	259.74	51.88	108.69	9.48	34.66	4.36	7.43	0.71
OA167	109	110	682.55	1560.03	160.69	562.20	74.56	16.79	40.34	4.39	18.48	2.91	5.72	0.64
OA167	110	111	1841.25	5110.01	616.16	1988.69	231.33	45.85	97.97	9.28	32.82	4.24	7.66	0.77
OA167	111	112	1782.61	4839.77	592.00	1959.53	235.39	45.74	100.62	9.07	33.86	4.47	7.66	0.75
OA167	112	113	831.50	2100.51	228.95	828.13	109.93	24.20	59.36	5.93	23.76	3.49	6.63	0.71
OA167	113	114	1882.30	5159.15	645.16	2087.83	244.67	48.75	101.78	9.13	30.41	3.87	6.29	0.57
OA167	114	115	2638.74	7247.37	907.33	3137.58	316.56	67.04	134.86	11.36	38.56	4.82	8.00	0.66
OA167	115	116	612.19	1860.98	197.53	708.00	90.21	22.81	47.95	5.12	20.20	2.92	5.49	0.64
OA167	116	117	1260.73	3242.89	362.45	1277.19	143.79	30.34	66.28	5.94	22.38	2.99	5.37	0.51

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
OA167	117	118	2931.93	7812.42	973.78	3312.53	328.16	68.78	140.62	11.62	40.63	5.03	9.15	0.83
OA167	118	119	1107.10	3009.50	346.74	1213.04	135.67	28.14	59.13	5.23	19.17	2.38	4.57	0.47
OA167	119	120	2257.59	5294.27	618.58	1877.88	200.03	42.84	88.41	7.25	23.76	3.17	5.72	0.58
OA167	120	121	1030.87	2161.93	218.68	746.49	85.11	18.76	38.73	3.55	12.74	1.81	3.43	0.46
OA167	121	122	734.16	1603.02	158.87	534.20	59.60	13.08	28.47	2.55	9.64	1.57	3.43	0.43
OA167	122	123	1155.18	2677.84	273.04	867.79	77.23	15.75	31.24	3.01	11.25	1.65	3.66	0.41
OA167	123	124	838.53	2235.63	253.71	888.79	99.14	21.31	43.34	3.96	15.15	2.12	4.46	0.55
OA167	124	125.15	1331.10	3292.03	360.03	1236.37	139.15	30.45	62.36	5.23	20.43	2.84	5.83	0.63
OA167	125.15	126.35	1048.46	2346.18	238.61	756.98	68.18	14.82	31.01	2.91	11.82	1.92	4.23	0.45
OA167	126.35	127.55	960.50	2100.51	208.41	664.84	64.82	12.62	27.09	2.39	9.87	1.68	3.89	0.50
R179	50	51	240.42	449.58	46.15	158.63	22.84	6.14	16.37	2.26	12.28	1.97	4.80	0.49
R179	51	52	713.05	996.21	131.09	419.90	59.60	16.79	44.26	5.66	29.04	4.63	9.61	0.80
R179	52	53	121.97	196.54	24.53	79.31	11.13	3.13	8.30	1.13	5.74	1.13	2.63	0.26
R179	53	54	1142.28	2297.05	203.58	641.51	97.06	26.28	67.08	8.37	41.66	6.80	14.06	1.38
R179	54	55	431.58	786.16	93.99	314.92	46.50	12.74	31.81	3.86	20.20	3.05	6.40	0.56
R179	55	56	1618.43	2849.81	293.58	912.11	126.97	32.89	80.57	9.14	44.99	7.33	15.55	1.37
R179	56	57	1442.51	2395.32	263.38	842.13	125.23	33.70	85.41	10.21	48.32	7.92	16.12	1.42
R179	57	58	2052.35	3685.10	398.69	1318.01	206.98	58.71	146.96	16.29	71.39	11.15	23.21	2.08
R179	58	59	1647.75	3120.05	326.20	1103.40	186.11	48.63	121.02	13.29	60.14	9.44	18.98	1.83
R179	59	60	3987.43	6719.17	796.18	2507.73	373.38	88.00	201.13	22.23	104.90	16.72	35.68	3.22
R179	60	61	759.96	1437.19	141.96	463.05	69.23	18.53	44.15	5.06	24.22	4.00	8.92	0.80
R179	61	62	2638.74	4766.07	513.47	1644.60	242.35	60.21	152.72	17.23	81.83	13.23	28.93	2.63
R179	62	63	335.41	585.93	66.09	219.86	34.44	8.34	20.98	2.33	11.71	1.95	4.23	0.41
R179	63	64	269.74	493.80	48.45	158.63	25.86	6.48	16.14	1.89	9.30	1.56	3.66	0.34
R179	64	65	299.06	519.60	58.72	199.45	29.92	7.87	17.98	2.02	9.87	1.56	3.54	0.40
R179	65	66	288.50	458.18	57.39	197.12	30.73	8.68	21.44	2.58	12.51	2.04	4.92	0.55
R179	66	67	646.20	1246.79	129.88	415.23	59.95	13.90	31.01	4.12	19.17	3.24	7.66	0.81
R179	67	68	559.41	1050.25	107.28	344.08	50.67	12.16	29.74	3.74	18.02	3.29	7.43	0.73
R179	68	69	4280.62	8340.62	763.56	2227.79	289.89	74.80	183.27	22.23	102.72	16.09	32.25	3.35
R179	69	70	1178.64	2419.88	258.55	902.78	132.19	34.62	82.18	9.76	44.76	6.87	14.06	1.38
R179	70	71	1137.59	2413.74	262.17	919.11	140.31	35.32	84.95	10.46	48.43	7.69	16.12	1.69
R179	71	72	996.86	1811.84	219.28	807.14	128.71	35.55	104.20	13.17	65.88	12.54	30.65	3.54
R179	72	73	799.83	1455.62	162.50	575.03	89.75	26.52	87.48	12.06	60.02	11.26	26.53	3.21
R179	73	74	646.20	1277.50	143.17	507.38	77.58	22.00	68.23	8.96	45.56	8.74	22.64	2.68
R179	74	75	532.44	1098.16	120.57	457.22	82.33	24.55	71.92	8.66	40.17	7.29	17.50	1.84
R179	75	76	487.87	1017.09	116.59	439.73	73.40	19.45	46.57	5.15	22.95	3.81	8.35	0.87
R179	76	77	589.90	1181.69	131.09	491.05	81.75	21.77	51.75	6.00	26.74	4.46	10.06	1.04
R179	77	78	249.80	480.29	49.41	176.12	30.38	7.53	17.98	2.18	10.33	1.71	3.77	0.43
R179	78	79	480.84	1246.79	161.29	636.85	112.13	29.53	65.70	7.99	36.15	5.46	11.66	1.23
R179	79	80	410.47	870.91	98.10	347.58	55.66	13.43	30.31	3.68	17.44	2.65	5.72	0.65
R179	80	81	542.99	1077.28	110.67	381.41	56.93	14.94	34.35	4.32	19.51	3.29	6.86	0.74
R179	81	82	811.56	1560.03	173.37	618.18	93.58	24.55	60.86	7.96	39.94	7.43	18.07	2.14
R179	82	83	829.15	1633.73	173.37	596.02	84.53	21.77	60.74	7.97	38.79	6.80	16.81	1.92
R179	83	84	879.58	1658.30	198.74	733.66	114.80	30.92	87.37	10.48	48.66	8.61	19.78	2.18
R179	84	85	406.95	861.09	87.23	305.59	45.80	11.46	30.89	3.98	19.40	3.57	8.12	0.90
R179	85	86	880.75	1830.27	199.35	697.50	104.59	26.40	72.85	8.62	40.97	6.84	15.67	1.69
R179	86	87	398.74	870.91	75.27	254.27	38.73	10.19	25.70	3.12	14.46	2.39	5.15	0.57
R179	87	88	722.43	1265.22	129.27	415.23	62.04	16.67	39.53	4.92	22.49	3.52	7.43	0.86
R179	88	89	402.26	1046.57	88.32	303.26	43.83	11.58	28.47	3.27	14.00	2.35	5.26	0.70
R179	89	90	384.67	772.64	90.25	305.59	37.34	8.68	20.86	2.38	11.82	1.74	4.12	0.49
R179	90	91	205.24	363.60	44.94	161.54	22.96	6.14	16.60	1.83	8.95	1.41	3.32	0.32
R179	91	92.15	453.86	885.65	96.53	325.42	44.30	11.70	28.35	3.67	16.76	2.41	5.49	0.65
R179	92.15	93	247.46	433.61	51.11	188.37	29.34	8.80	26.05	3.13	14.69	2.23	4.69	0.59
R179	93	94	315.48	608.04	64.52	228.61	36.64	10.54	27.09	3.35	14.58	2.41	5.37	0.59
R179	94	95	486.70	816.86	91.70	332.42	53.11	15.63	44.26	5.55	23.30	3.56	7.55	0.71
R179	95	96	241.59	427.47	46.64	156.30	24.00	7.29	17.64	2.16	9.87	1.52	3.09	0.34

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
R179	96	97	243.94	481.52	50.74	171.46	24.23	6.72	16.60	2.07	9.07	1.49	2.63	0.34
R179	97	98	639.16	1170.63	127.46	425.73	60.30	15.98	38.15	4.72	21.00	3.26	6.29	0.80
R179	98	99	173.57	350.08	42.16	152.80	25.05	6.14	16.02	1.86	8.38	1.19	2.52	0.30
R179	99	100	499.60	959.36	110.06	398.90	59.02	16.44	40.34	4.96	19.17	3.01	6.29	0.69
R179	100	101	448.00	942.16	106.08	367.41	51.83	13.90	31.24	3.81	16.99	2.46	5.37	0.58
R179	101	102	207.58	438.53	43.01	142.88	20.18	5.21	13.72	1.61	7.35	1.21	2.63	0.29
R179	102	103	425.72	799.67	91.46	312.59	46.61	13.55	31.47	4.16	18.48	3.13	6.63	0.62
R179	103	104	206.41	385.71	42.53	145.80	21.22	6.14	15.33	2.03	8.72	1.72	3.77	0.35
R179	104	105	538.30	956.90	100.76	332.42	48.70	13.55	32.39	4.16	19.28	2.93	5.95	0.72
R179	105	106	250.97	456.95	51.95	179.62	25.97	7.76	19.02	2.38	11.25	1.83	3.89	0.41
R179	106	107	226.35	442.21	55.09	198.87	29.34	7.41	17.87	2.19	10.21	1.45	3.09	0.25
R179	107	108	673.17	1147.30	117.55	369.74	54.50	14.59	34.00	4.35	20.20	3.09	6.52	0.73
R179	108	109	171.22	288.67	31.29	102.18	15.54	4.63	11.07	1.52	7.00	1.13	2.52	0.32
R179	109	110	654.41	1131.33	117.43	368.58	54.15	15.40	37.34	4.80	22.38	3.85	8.69	1.11
R179	110	111	573.49	1119.04	104.99	320.76	43.95	11.58	28.12	3.65	17.10	2.99	7.32	1.07
R179	111	112	453.86	818.09	83.24	269.43	38.03	11.46	27.20	3.29	14.81	2.36	4.69	0.53
R179	112	113	1164.56	1965.39	204.78	656.67	97.75	27.44	68.00	8.17	36.15	5.73	11.09	1.23
R179	113	114	946.43	1609.16	164.31	510.88	77.58	21.19	53.14	6.26	28.81	4.44	8.80	0.98
R179	114	115	972.23	1633.73	164.91	522.54	77.34	22.46	56.71	6.74	30.76	4.78	9.61	1.18
R179	115	116	214.62	410.27	45.55	148.13	22.03	6.14	14.06	1.74	7.69	1.25	3.09	0.37
R179	116	117	816.25	1449.47	153.44	484.05	67.72	18.76	47.60	6.45	32.71	5.92	14.52	2.31
R179	117	118	198.20	350.08	37.69	117.80	17.39	4.75	11.53	1.36	6.66	1.16	2.40	0.32
R179	118	119	232.21	442.21	47.60	150.46	20.87	5.44	12.79	1.55	7.23	1.05	2.63	0.29
R179	119	120	226.35	397.99	44.10	142.88	23.19	6.25	15.56	1.94	8.95	1.39	2.74	0.33
R179	120	121	527.75	890.57	81.19	240.28	28.99	7.87	19.48	2.41	11.13	1.78	4.12	0.53
R179	121	122	1237.28	2241.77	237.40	753.48	102.74	26.28	58.09	6.65	28.69	4.17	9.38	1.07
R179	122	123	842.05	1431.05	143.77	442.06	57.63	15.17	34.69	4.06	17.33	2.66	6.06	0.73
R179	123	124	274.43	552.77	58.48	193.04	27.37	6.72	16.83	2.03	8.84	1.50	3.09	0.42
R179	124	125	130.18	259.19	29.00	93.89	12.99	3.13	7.84	0.93	3.90	0.63	1.49	0.17
R179	125	126	288.50	589.62	63.79	213.45	30.61	8.11	18.90	2.33	10.67	1.65	3.54	0.47
R179	126	127	523.06	1046.57	114.05	376.74	54.15	14.71	34.58	4.10	18.82	2.88	6.06	0.80
R179	127	128	472.63	854.94	88.20	282.27	40.93	11.58	26.97	3.35	15.03	2.39	5.15	0.63
R179	128	129	221.65	411.50	46.03	152.80	21.80	5.79	14.18	1.72	7.46	1.18	2.63	0.38
R179	129	130	605.15	1123.96	116.10	379.08	56.82	15.86	37.00	4.72	20.54	3.38	7.20	0.88
R179	130	131	940.56	1498.61	150.42	481.72	77.11	22.23	56.94	7.17	34.09	5.44	11.43	1.38
R179	131	133.2	404.61	781.24	82.52	265.94	36.53	9.61	23.17	2.60	11.71	1.81	4.12	0.47
R179	133.2	134.4	394.05	718.60	73.21	250.77	32.58	8.11	20.98	2.51	11.94	1.86	3.77	0.42
R179	134.4	135.5	226.35	410.27	43.25	146.38	20.52	5.91	14.06	1.96	8.26	1.35	2.63	0.29
R179	135.5	136.7	38.70	66.33	6.77	22.16	3.36	0.93	2.07	0.28	1.03	0.18	0.34	0.03
R179	136.7	137.7	55.12	98.27	9.67	31.96	4.64	1.39	3.46	0.41	2.07	0.31	0.57	0.03
R179	137.7	138.65	36.36	63.88	6.16	19.13	2.78	0.81	2.19	0.33	1.49	0.22	0.46	0.06
R179	138.65	139.3	164.19	264.10	23.80	73.25	8.93	2.20	4.73	0.44	2.75	0.44	0.91	0.10
R179	139.3	140	51.60	81.07	7.97	26.48	4.29	1.27	3.34	0.46	2.30	0.33	0.57	0.06
R179	140	141	49.26	94.58	9.79	32.66	4.17	1.16	2.88	0.39	1.84	0.24	0.69	0.08
R179	141	142	65.68	113.01	11.72	38.49	5.33	1.74	4.73	0.49	2.41	0.34	0.80	0.11
R179	142	143	262.70	499.95	52.80	173.79	21.80	5.91	13.02	1.55	5.74	0.89	1.60	0.19
R179	143	144	444.48	838.98	85.42	283.43	38.96	10.19	23.86	2.96	11.82	1.64	3.66	0.29
R179	144	145.05	208.75	393.08	40.11	130.64	18.55	4.86	11.53	1.18	5.51	0.88	1.37	0.16
R179	145.05	146.25	138.39	226.02	21.63	69.28	10.32	3.13	7.61	1.01	4.59	0.68	1.49	0.16
R179	146.25	147	416.33	687.89	68.50	228.61	31.89	9.38	24.44	3.07	14.35	2.21	5.15	0.49
R179	147	148	347.14	566.28	56.06	189.54	28.87	8.80	23.05	2.81	13.77	2.10	4.92	0.54
R179	148	149	268.56	499.95	52.56	184.29	26.21	7.41	18.44	2.23	9.87	1.48	3.54	0.34
R179	149	150	268.56	499.95	51.11	177.29	26.67	7.18	17.98	2.26	9.18	1.40	2.97	0.26
R179	150	151	232.21	366.05	37.09	123.64	18.90	5.44	14.41	1.88	8.49	1.33	2.86	0.31
R179	151	152	73.88	122.84	11.84	39.89	5.91	1.74	4.61	0.54	2.52	0.40	0.80	0.09
R179	152	153	138.39	245.67	25.73	88.65	13.80	3.71	9.22	1.15	5.16	0.85	1.60	0.24

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
R179	153	154	328.38	561.36	52.56	174.37	26.79	7.64	19.94	2.67	12.17	1.90	4.00	0.47
R179	154	155	125.49	200.22	19.57	64.62	9.51	2.66	7.49	1.02	4.25	0.71	1.49	0.17
R179	155	156	120.80	210.05	21.63	76.51	11.60	3.24	8.18	1.08	4.82	0.77	1.83	0.21
R179	156	157.2	37.53	62.65	6.52	22.16	3.36	1.04	2.42	0.36	1.72	0.27	0.57	0.08
U167B	35	36	3764.60	8230.07	881.96	3079.26	403.53	93.10	226.49	23.99	96.06	14.09	28.02	3.11
U167B	36	37	2849.84	6227.83	659.66	2210.30	282.93	65.31	160.21	15.94	67.37	9.81	20.35	2.24
U167B	37	38	3635.60	8045.81	852.96	2857.64	364.10	84.99	201.71	21.35	86.99	12.89	26.64	2.68
U167B	38	39	2955.39	6313.81	669.32	2268.62	303.81	70.17	169.43	18.29	72.99	10.62	21.15	2.27
U167B	39	40	3893.61	8242.35	826.38	2857.64	389.61	93.56	233.98	24.58	98.70	14.15	27.10	3.00
U167B	40	41	3834.97	7505.33	787.72	2752.67	394.25	100.39	274.32	30.35	125.10	18.16	35.10	3.60
U167B	41	42	2849.84	5724.19	600.46	2076.16	294.53	71.68	189.61	20.94	85.27	12.09	23.33	2.18
U167B	42	43	6063.24	12467.93	1341.06	4560.56	619.21	151.11	356.16	37.99	153.79	21.02	38.76	4.01
U167B	43	44	4573.81	9360.16	981.03	3300.87	469.63	116.95	284.70	30.46	125.10	16.84	31.10	2.81
U167B	44	45	4820.10	9974.35	1046.27	3464.16	488.18	121.00	288.15	30.93	125.67	17.35	31.56	2.98
U167B	45	46	3025.75	6178.69	614.95	2151.98	300.33	77.12	180.38	19.17	78.39	10.57	19.55	1.75
U167B	46	47	4925.65	10416.56	1132.05	3720.77	496.30	119.27	265.10	27.52	108.46	14.72	27.56	2.59
U167B	47	48	3260.31	6891.14	722.48	2472.74	316.56	74.57	160.79	16.58	64.04	8.63	14.75	1.51
U167B	48	49	2005.44	4311.57	434.94	1481.31	189.01	45.27	94.98	9.81	38.33	4.89	8.69	0.81
U167B	49	50	3471.41	7394.77	786.51	2659.36	344.39	80.59	178.08	18.41	69.55	8.99	15.78	1.58
U167B	50	51	2404.18	5245.13	536.42	1831.22	226.70	53.61	112.50	11.50	43.61	5.77	10.41	1.07
U167B	51	52	1150.49	2628.71	257.34	866.62	112.25	26.17	55.33	5.76	22.38	2.93	5.60	0.58
U167B	52	53	1029.69	2364.61	229.55	768.65	102.74	22.46	49.56	5.32	20.31	2.93	5.60	0.77
U167B	53	54	2779.47	6129.56	625.83	2105.32	263.22	61.37	131.97	13.47	52.45	7.16	13.49	1.36
U167B	54	55	2058.22	4434.41	438.56	1498.80	196.55	47.94	108.92	11.15	45.22	6.07	11.89	1.11
U167B	55	56	2204.81	4766.07	483.26	1667.93	216.84	51.53	117.57	11.73	48.78	6.41	11.09	1.04
U167B	56	57	2498.01	5736.48	571.46	1982.85	245.83	57.90	123.91	12.88	47.86	6.35	11.43	1.18
U167B	57	58	1993.71	4594.10	457.89	1568.79	204.08	46.55	97.17	10.27	38.33	4.83	8.92	0.87
U167B	58	59	3072.67	7013.98	711.61	2461.07	314.24	75.15	157.33	16.41	62.32	8.06	14.75	1.50
U167B	59	60	2046.49	4446.69	444.60	1527.96	201.76	48.52	106.27	11.04	42.58	5.68	10.63	0.98
U167B	60	61	1794.34	3795.66	384.20	1318.01	169.88	40.18	91.63	9.41	36.73	4.94	8.69	0.89
U167B	61	62	1612.56	3390.30	344.33	1172.22	146.69	34.74	76.99	8.16	31.68	4.27	8.46	0.77
U167B	62	63	1020.31	2278.62	218.07	748.82	94.85	21.54	48.87	4.98	18.02	2.52	4.80	0.43
U167B	63	64	1389.74	2984.93	297.21	1007.76	122.33	28.48	60.63	6.09	22.84	3.08	5.49	0.53
U167B	64	65	1612.56	3623.69	353.99	1172.22	145.53	34.16	71.00	7.46	26.74	3.44	6.06	0.59
U167B	65	66	1278.32	2874.38	280.29	952.94	114.33	27.10	58.21	6.01	22.61	2.91	5.37	0.54
U167B	66	67	1958.53	4336.14	425.27	1428.82	178.57	41.57	88.64	9.20	34.89	4.48	7.20	0.63
U167B	67	68	2122.72	4581.81	457.89	1551.29	194.81	46.55	98.32	10.39	38.56	5.07	8.80	0.78
U167B	68	69	1372.14	3120.05	302.04	1018.25	129.29	29.99	66.05	6.83	27.20	3.46	6.52	0.63
U167B	69	70	1094.20	2407.60	237.40	810.64	104.36	24.66	57.17	6.13	23.76	3.26	6.29	0.58
U167B	70	71	858.47	2020.67	197.53	697.50	92.65	21.42	46.91	4.90	18.71	2.53	4.46	0.40
U167B	71	72	911.24	2106.65	204.78	717.33	95.20	22.23	44.72	4.46	17.33	2.28	4.00	0.37
U167B	72	73	2591.83	5539.94	589.58	2140.32	291.05	65.65	131.40	11.47	41.32	5.20	9.49	0.98
U167B	73	74	4691.09	10220.02	1164.67	4047.36	555.43	121.58	229.37	18.23	60.02	7.35	11.89	1.16
U167B	74	75	2052.35	4544.96	454.27	1580.45	201.19	46.78	100.05	10.20	37.99	4.89	8.12	0.79
U167B	75	76	1600.84	3648.25	361.24	1242.20	159.44	37.29	78.84	8.01	30.64	4.10	7.32	0.70
U167B	76	77	1272.46	2591.86	258.55	885.29	120.02	29.87	72.15	7.49	31.10	4.28	7.89	0.80
U167B	77	78	3612.14	7751.00	797.39	2729.34	329.32	77.35	167.71	16.76	65.07	8.10	13.84	1.32
U167B	78	79	3752.87	8303.77	852.96	2974.28	369.90	88.70	192.49	18.52	72.30	8.97	15.32	1.39
U167B	79	80	4210.25	9433.87	1002.77	3324.20	417.44	100.39	222.46	22.17	83.90	10.69	18.87	1.77
U167B	80	81	3905.33	8942.52	883.17	3055.93	386.14	91.48	206.89	20.99	78.85	10.23	17.84	1.94
U167B	81	82	5476.85	11866.03	1286.69	4292.30	541.52	130.27	292.77	29.52	114.31	14.66	24.70	2.20
U167B	82	83	6121.87	13450.63	1455.83	4875.49	611.09	143.00	319.28	31.05	117.64	14.78	23.78	2.08
U167B	83	84	4890.46	10625.38	1159.83	3872.40	484.70	117.53	265.10	26.46	99.62	12.43	22.30	1.93
U167B	84	85	5359.57	11902.89	1280.65	4268.97	529.92	126.21	268.56	25.99	97.78	12.09	19.55	1.67
U167B	85	86	5652.77	12652.19	1413.55	4607.22	571.67	134.32	283.54	27.64	103.75	12.72	21.27	1.75
U167B	86	87	3600.41	8045.81	834.84	2857.64	355.99	82.10	174.05	17.00	63.12	7.90	12.46	1.13

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U167B	87	88	2580.10	5589.07	581.13	2017.85	250.47	59.52	133.13	12.94	50.84	6.30	11.32	1.04
U167B	88	89	4421.35	9728.67	1036.60	3475.83	434.84	98.54	226.49	22.41	87.11	10.81	18.30	1.71
U167B	89	90	3940.52	8782.83	895.25	3102.58	379.18	89.86	196.52	19.47	72.65	9.22	15.21	1.35
U167B	90	91	2627.01	5589.07	582.33	2023.68	253.95	59.52	134.86	13.58	53.25	6.67	11.89	1.18
U167B	91	92	2943.66	6190.97	643.95	2251.12	288.73	70.87	155.60	15.41	61.29	7.97	13.95	1.32
U167B	92	93	2568.37	5576.79	577.50	2006.18	250.47	59.29	134.28	13.17	51.88	6.53	10.98	0.91
U167B	93	94	1999.58	4299.29	448.23	1562.96	198.29	45.27	101.55	9.92	37.99	4.94	8.46	0.81
U167B	94	95	2169.63	4778.35	500.18	1720.42	220.32	50.25	112.15	11.00	41.09	5.14	8.35	0.74
U167B	95	96	1618.43	3611.40	374.53	1312.18	161.76	36.59	82.87	8.00	30.41	3.78	7.32	0.72
U167B	96	97	2814.65	6141.84	646.37	2256.95	275.98	64.03	144.08	13.70	52.79	6.62	11.55	0.94
U167B	97	98	2521.46	5453.95	571.46	2000.35	248.15	57.43	126.21	12.23	46.83	5.95	9.83	0.83
U167B	98	99	1401.46	3107.77	316.54	1112.73	132.77	29.99	64.43	6.16	23.64	2.96	5.15	0.48
U167B	99	100	1006.24	2297.05	238.61	844.46	104.36	24.20	56.36	5.55	22.27	2.88	5.26	0.64
U167B	100	101	1047.29	2376.89	239.22	831.63	102.97	24.66	55.10	5.76	22.15	2.85	5.49	0.55
U167B	101	102	1917.48	4041.33	408.36	1393.83	161.76	38.44	86.45	8.75	32.82	4.40	7.89	0.72
U167B	102	103	1735.70	3721.95	376.95	1271.36	151.32	34.39	74.57	7.33	27.20	3.68	6.06	0.57
U167B	103	104	1348.69	2788.40	280.29	948.27	107.49	23.62	51.75	4.98	19.74	2.61	4.57	0.49
U167B	104	105	1137.59	2481.30	248.88	854.96	110.39	25.24	55.56	5.85	22.84	2.86	5.83	0.63
U167B	105	106	961.67	2186.49	221.09	768.65	98.56	22.46	52.21	5.09	19.85	2.62	4.57	0.48
U167B	106	107	1876.44	4078.18	438.56	1469.64	184.95	44.93	95.78	9.40	32.71	4.31	7.89	0.63
U167B	107	108	2943.66	6571.77	668.11	2274.45	298.01	70.05	153.30	17.47	59.68	7.64	13.61	1.19
U167B	108	109	2240.00	4802.92	484.47	1638.77	215.68	50.02	112.50	11.88	41.89	5.46	10.29	0.95
U167B	109	110	2251.72	4569.53	460.31	1545.46	216.26	52.92	125.06	14.00	52.22	7.07	13.26	1.16
U167B	110	111	1636.02	3476.28	351.57	1189.71	166.40	39.14	88.52	10.13	37.30	5.03	9.26	0.94
U167B	111	112	1647.75	3537.70	357.62	1207.21	159.44	37.52	84.95	9.47	32.94	4.43	7.78	0.69
U167B	112	113	1682.93	3672.82	364.86	1230.54	155.96	35.66	77.57	8.66	30.18	3.79	6.86	0.67
U167B	113	114	1207.96	2898.95	289.96	975.10	125.81	28.83	64.43	6.97	24.45	3.16	6.06	0.53
U167B	114	115	3565.23	7812.42	807.05	2706.01	347.87	82.68	180.96	19.88	70.01	8.76	16.12	1.35
U167B	115	116	2122.72	4557.24	456.68	1533.80	205.24	46.78	104.54	11.71	41.89	5.56	9.83	0.86
U167B	116	117	1553.92	3414.86	329.83	1109.23	147.27	34.27	74.57	8.21	29.50	3.97	6.63	0.59
U167B	117	118	2069.94	4409.84	439.77	1469.64	200.61	46.66	104.54	12.17	43.73	6.03	11.21	1.10
U167B	118	119	654.41	1553.89	151.02	500.38	64.59	14.82	32.50	3.73	13.43	1.71	3.43	0.32
U167B	119	120	779.89	1842.55	184.24	604.19	80.47	18.99	43.11	4.82	16.30	2.27	4.23	0.40
U167B	120	121	1512.88	3255.17	322.58	1092.90	143.79	34.04	81.26	8.99	32.94	4.34	7.78	0.70
U167B	121	122	482.01	1133.78	115.62	386.07	53.80	12.85	29.39	3.46	12.17	1.72	3.20	0.30
U167B	122	123	391.71	816.86	87.83	293.93	41.16	10.77	25.47	2.94	12.40	1.86	4.23	0.42
U167B	123	124	351.83	585.93	56.42	181.96	30.38	10.42	30.66	5.88	30.87	4.73	9.38	0.83
U167B	124	125	375.29	641.21	61.01	192.45	28.53	8.80	26.74	4.81	26.63	4.18	8.35	0.78
U167B	125	126	528.92	1206.26	114.05	382.57	52.76	13.08	32.85	3.73	14.69	2.00	4.00	0.41
U167B	126	127	600.46	1338.92	133.50	457.22	66.56	16.56	41.26	4.58	18.25	2.65	5.03	0.59
U167B	127	128	1495.29	3378.01	340.70	1151.22	149.58	34.97	77.46	8.53	30.07	3.93	6.98	0.65
U167B	128	129	1137.59	2665.56	269.42	896.95	117.70	27.67	59.82	6.73	24.45	3.53	6.86	0.58
U167B	129	130	422.20	916.36	97.86	335.92	48.35	10.65	25.59	3.11	11.13	1.66	3.77	0.34
U167B	130	131	876.06	1916.25	190.29	664.84	92.77	24.20	59.94	6.74	28.69	4.01	7.89	0.85
U167B	131	132	844.40	1830.27	179.41	601.85	80.94	20.73	48.06	5.39	20.66	2.99	5.72	0.59
U167B	132	133	539.48	1295.93	131.69	478.22	74.33	18.53	43.11	4.76	17.67	2.28	4.46	0.46
U167B	133	134	443.31	969.18	103.06	345.25	49.17	12.16	29.39	3.22	12.51	1.59	3.20	0.27
U167B	134	135	756.44	1762.71	169.14	589.02	82.33	20.15	46.91	5.18	19.17	2.58	5.03	0.48
U167B	135	136	901.86	2106.65	210.22	711.49	94.16	23.51	54.06	6.02	22.27	2.83	6.06	0.61
U167B	136	137	686.07	1658.30	166.73	570.36	76.30	17.48	39.77	4.32	16.53	2.17	3.89	0.33
U167B	137	138	990.99	2358.47	231.36	773.31	100.77	23.39	52.67	5.49	19.63	2.55	5.15	0.39
U167B	138	139	1095.37	2616.42	260.96	874.79	115.96	26.98	59.01	6.50	23.30	2.89	5.83	0.42
U167B	139	140	789.28	1903.97	190.29	634.51	82.68	20.03	43.11	4.82	17.33	2.31	4.80	0.39
U167B	140	141	789.28	1885.54	187.87	631.01	83.49	18.64	40.57	4.83	16.53	2.28	4.69	0.49
U167B	141	142	1594.97	3046.35	311.71	949.44	90.33	18.18	35.27	2.99	9.98	1.17	2.40	0.21
U167B	142	143	747.06	1523.18	155.85	516.71	67.37	16.56	40.11	4.42	16.87	2.57	4.23	0.46

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U167B	143	144	1044.94	2211.06	231.36	756.98	99.61	23.51	54.75	5.48	22.04	2.94	5.83	0.54
U167B	144	145	1196.23	2327.76	240.42	788.48	116.54	30.11	75.27	8.09	35.00	5.21	10.29	1.07
U167B	145	146	1278.32	2321.62	240.42	788.48	116.54	29.76	75.27	8.33	34.77	5.27	10.29	1.08
U167B	146	147	1157.53	2204.92	229.55	752.32	109.00	28.60	71.35	7.52	33.28	5.18	10.06	0.99
U167B	147	148	1170.43	2204.92	230.76	767.48	114.22	29.18	77.69	7.88	36.04	5.24	10.75	1.07
U167B	148	149	1043.77	2094.37	222.91	751.15	114.33	28.83	73.88	8.00	33.86	4.94	10.52	1.10
U167B	149	150	1122.34	2254.06	238.61	789.64	103.09	25.47	62.59	5.83	24.79	3.60	6.29	0.65
U167B	150	151	744.71	1676.72	179.41	590.19	77.92	17.14	39.30	3.49	14.46	1.78	2.86	0.32
U167B	151	152	599.29	1351.20	145.58	496.88	66.44	15.63	38.04	3.82	15.38	2.08	4.12	0.33
U167B	152	153	907.73	1842.55	196.93	660.17	96.24	23.27	62.13	6.49	26.17	3.99	7.66	0.77
U167B	153	154	1723.98	3549.98	378.15	1253.86	154.22	35.90	76.30	6.90	27.89	3.61	6.17	0.58
U167B	154	155	898.34	1781.13	186.06	614.68	87.43	22.58	54.63	5.79	24.45	3.63	6.75	0.67
U167B	155	156	996.86	2063.66	224.11	746.49	100.07	24.43	58.78	5.90	24.45	3.62	6.75	0.66
U167B	156	157	730.64	1486.33	155.85	516.71	74.68	18.30	46.34	4.74	20.31	3.06	5.83	0.56
U167B	157	158	891.31	1793.42	190.29	636.85	88.94	23.16	53.94	5.81	24.56	3.44	6.86	0.61
U167B	158	159	1124.69	2223.35	228.34	739.49	105.75	26.28	67.08	6.72	30.76	4.50	8.80	0.88
U167B	159	160	3248.58	6522.63	699.53	2268.62	308.45	76.08	178.08	18.82	83.78	12.31	24.47	2.80
U179	50	51	824.46	1768.85	173.37	589.02	80.82	19.92	51.41	5.89	25.71	4.33	10.63	1.38
U179	51	52	493.74	1030.60	95.81	314.92	41.28	10.77	25.36	2.98	14.35	2.75	6.52	0.81
U179	52	53	1501.15	3107.77	302.04	1070.74	153.06	40.06	98.78	12.00	58.07	9.89	24.24	2.75
U179	53	54	1606.70	3070.92	315.33	1109.23	161.76	42.73	119.30	16.70	88.60	16.67	39.34	4.58
U179	54	55	3342.40	6399.80	670.53	2303.61	324.68	79.09	190.18	21.47	89.40	13.75	28.59	3.23
U179	55	56	2257.59	4078.18	447.02	1557.12	215.10	52.92	132.55	15.06	67.83	10.57	23.10	2.43
U179	56	57	3776.33	6903.43	717.65	2519.39	371.06	90.32	232.83	27.05	112.93	17.98	37.85	4.21
U179	57	58	3143.03	5994.44	630.66	2140.32	300.33	77.81	197.67	22.23	94.68	14.38	29.84	3.33
U179	58	59	4808.37	9261.89	971.36	3440.84	476.58	122.16	300.83	32.70	133.71	19.47	37.28	3.99
U179	59	60	5312.66	9912.93	1053.52	3732.43	517.17	132.00	325.04	35.64	146.33	20.91	41.28	4.29
U179	60	61	4937.37	9409.30	967.74	3452.50	481.22	125.06	307.75	34.34	142.89	20.62	38.88	4.07
U179	61	62	3752.87	7124.53	743.02	2647.69	369.90	97.15	246.66	27.29	114.08	16.84	31.67	3.16
U179	62	63	3483.14	6756.02	701.94	2303.61	310.76	77.70	182.69	20.41	86.65	12.83	25.04	2.82
U179	63	64	1612.56	3353.44	357.62	1271.36	175.09	44.58	103.27	11.82	49.58	7.55	14.98	1.52
U179	64	65	1952.67	3979.91	415.61	1475.48	208.72	54.65	129.67	15.47	67.02	10.29	20.47	2.26
U179	65	66	3412.77	7149.10	769.60	2566.05	316.56	80.24	184.42	21.17	92.73	14.43	29.39	3.33
U179	66	67	1776.75	3660.54	369.70	1271.36	167.56	41.69	92.90	10.46	42.12	6.13	12.24	1.30
U179	67	68	2732.56	5589.07	572.67	1971.19	265.54	68.78	159.64	17.41	71.85	10.42	20.01	2.03
U179	68	69	3834.97	7357.92	764.77	2706.01	394.25	106.18	269.71	31.17	134.28	20.33	40.59	4.13
U179	69	70	3858.42	7382.49	775.64	2729.34	386.14	103.87	259.34	28.82	122.23	18.67	37.28	3.81
U179	70	71	4655.91	8893.38	933.91	3312.53	458.03	122.16	307.75	35.05	148.63	22.62	44.02	4.48
U179	71	72	3682.51	7296.51	773.22	2717.68	374.54	96.57	237.44	27.17	111.21	16.72	31.90	3.31
U179	72	73	832.67	1658.30	170.95	612.35	83.72	21.07	51.52	6.01	26.40	4.02	8.46	0.88
U179	73	74	3447.95	6547.20	677.78	2326.94	315.40	82.21	204.01	22.82	96.18	14.43	28.13	2.98
U179	74	75	2486.28	4716.93	491.72	1673.76	241.19	65.89	161.37	19.00	82.75	12.37	24.81	2.57
U179	75	76	2603.56	5036.31	524.34	1784.57	242.35	63.11	156.18	17.94	75.52	11.36	23.21	2.41
U179	76	77	2767.74	5552.22	592.00	2047.01	286.41	76.19	178.66	20.88	88.60	12.66	24.13	2.36
U179	77	78	1882.30	3513.13	353.99	1230.54	177.99	46.20	118.14	13.23	56.70	8.64	17.50	1.77
U179	78	79	1378.01	2567.29	267.00	941.27	138.57	37.05	91.63	10.50	46.48	7.04	13.61	1.46
U179	79	80	720.08	1529.32	160.69	557.53	77.23	20.38	48.99	5.72	26.40	3.80	8.46	0.89
U179	80	81	1817.80	3513.13	355.20	1248.03	177.41	45.27	112.61	12.41	54.40	7.85	15.09	1.56
U179	81	82	1817.80	3685.10	376.95	1294.69	183.21	47.36	116.41	13.06	55.20	7.64	15.09	1.54
U179	82	83	1612.56	3083.20	312.91	1091.74	157.12	42.73	108.35	12.23	54.74	7.63	15.21	1.50
U179	83	84	1149.32	2444.45	250.09	866.62	121.17	31.38	79.76	8.97	37.87	5.78	11.66	1.11
U179	84	85	1565.65	3107.77	321.37	1124.39	157.12	40.87	109.04	12.00	51.65	7.47	13.38	1.29
U179	85	86	625.09	1461.76	161.29	605.35	84.88	21.88	55.21	6.05	26.74	3.88	7.43	0.65
U179	86	87	1548.06	2874.38	302.04	1055.58	150.74	40.06	103.51	11.10	49.58	7.15	13.38	1.31
U179	87	88	896.00	1756.57	181.83	634.51	91.61	23.85	62.13	6.70	28.46	4.02	7.78	0.75
U179	88	89	948.77	2106.65	217.47	756.98	96.59	26.63	62.70	6.80	26.28	3.30	6.29	0.58

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U179	89	90	1178.64	2579.57	274.25	965.77	120.02	29.99	69.27	7.09	29.27	3.59	6.29	0.51
U179	90	91	518.37	1037.97	105.47	359.25	47.19	12.97	30.08	3.14	13.54	1.80	3.66	0.34
U179	91	92	1088.33	2297.05	231.36	794.31	101.69	24.90	58.55	6.32	27.77	3.91	7.89	0.74
U179	92	93	213.44	416.42	41.20	138.22	19.02	4.98	12.33	1.38	6.54	0.92	1.94	0.21
U179	93	94	295.54	595.76	59.44	205.87	28.06	7.18	19.36	2.33	11.36	1.62	3.43	0.39
U179	94	95	491.39	970.41	97.02	335.92	49.40	13.43	33.43	3.74	16.87	2.14	5.03	0.58
U179	95	96	1465.97	2862.10	287.54	1025.25	150.74	41.45	104.77	12.11	55.20	8.13	15.67	1.52
U179	96	97	1706.38	2886.66	296.00	1024.09	153.64	42.03	113.53	13.23	59.11	9.06	16.81	1.70
U179	97	98	2034.76	4213.30	479.64	1848.72	317.72	84.76	210.35	22.88	97.55	13.46	26.87	2.52
U179	98	99	1465.97	3193.76	372.11	1492.97	270.18	75.03	186.15	20.70	86.08	11.80	21.95	2.19
U179	99	100	1158.70	2426.03	250.09	873.62	120.02	30.92	76.53	8.32	37.30	5.20	10.98	1.20
U179	100	101	628.61	1381.91	145.58	495.71	71.20	18.53	45.64	5.05	21.58	3.22	6.98	0.72
U179	101	102	1788.48	3574.55	361.24	1195.54	157.70	39.60	91.98	9.96	42.12	6.01	12.35	1.35
U179	102	103	1161.05	2161.93	212.03	726.66	107.03	27.44	70.19	7.76	32.59	4.62	9.03	0.91
U179	103	104	689.59	1406.48	134.71	474.72	70.04	18.53	47.37	5.58	23.41	3.49	6.98	0.77
U179	104	105	532.44	1149.75	106.68	362.75	52.99	12.85	34.00	3.75	15.61	2.38	4.57	0.55
U179	105	106	1260.73	2333.90	238.01	823.47	126.97	33.70	87.37	9.74	42.01	6.27	12.58	1.21
U179	106	107	1852.98	3390.30	346.74	1189.71	178.57	48.29	123.91	14.35	61.86	9.08	17.84	1.85
U179	107	108	1372.14	2321.62	231.97	809.47	131.61	37.52	100.05	11.70	52.22	7.81	14.87	1.58
U179	108	109	1331.10	2321.62	228.95	784.98	126.97	34.27	92.67	10.35	45.10	6.95	13.49	1.45
U179	109	110	1395.60	2518.15	247.67	851.46	129.87	36.47	93.71	10.91	47.63	7.07	14.41	1.51
U179	110	111	1413.19	2542.72	250.09	844.46	126.39	34.39	86.79	9.81	41.20	6.28	12.35	1.31
U179	111	112	1806.07	3279.74	316.54	1049.75	155.96	42.03	106.62	12.11	51.88	7.79	14.64	1.55
U179	112	113	1366.28	2346.18	227.74	761.65	122.91	34.51	89.67	10.96	48.43	7.24	14.64	1.67
U179	113	114	1295.91	2125.08	201.76	680.00	111.32	33.46	89.67	10.69	49.24	7.77	16.01	1.74
U179	114	115	1055.50	1910.11	193.91	668.34	107.03	29.18	74.92	8.53	37.07	5.87	11.32	1.16
U179	115	116	1366.28	2315.47	231.36	794.31	125.23	35.20	94.63	11.14	48.09	7.64	16.01	1.60
U179	116	117	1976.12	3549.98	355.20	1218.87	203.50	56.16	145.81	17.82	78.04	11.68	24.13	2.67
U179	117	118	1718.11	3034.07	291.17	964.60	148.42	40.06	103.51	12.29	55.20	8.52	17.84	1.76
U179	118	119	1636.02	2997.22	293.58	965.77	141.47	36.94	93.36	11.02	46.25	7.04	13.72	1.44
U179	119	120	1272.46	2315.47	228.95	773.31	118.86	30.34	80.11	9.04	41.20	6.07	12.24	1.35
U179	120	121	973.40	1860.98	179.41	599.52	87.20	23.74	58.09	6.56	29.27	4.23	8.80	0.87
U179	121	122	1000.38	1817.98	179.41	615.85	94.50	26.63	66.97	7.96	36.84	5.50	11.43	1.24
U179	122	123	896.00	1732.00	169.14	563.36	78.27	20.50	50.14	5.75	25.48	3.78	7.89	0.81
U179	123	124	1413.19	2542.72	254.92	859.63	124.07	33.00	83.91	9.67	41.09	6.13	11.89	1.26
U179	124	125	3225.13	6608.62	763.56	2589.37	402.37	103.98	246.66	27.40	111.21	15.75	29.96	3.32
U179	125	126	1688.79	3070.92	300.83	1014.75	148.42	39.14	99.93	10.96	46.83	7.06	13.38	1.48
U179	126	127	2767.74	5183.71	512.26	1685.43	230.75	57.55	142.35	15.53	66.57	9.68	19.21	2.08
U179	127	128	1770.89	3193.76	317.75	1073.07	159.44	42.61	106.62	11.67	49.92	7.69	15.09	1.60
U179	128	129	1284.19	2376.89	233.18	780.31	112.59	29.30	72.85	8.42	36.50	5.44	10.75	1.15
U179	129	130	1641.88	2948.08	296.00	1012.42	149.58	39.02	101.55	11.30	49.01	7.17	13.95	1.46
U179	130	131	1231.41	2211.06	217.47	739.49	108.77	28.83	75.15	8.54	37.53	5.57	10.06	1.08
U179	131	132	1401.46	2567.29	253.71	871.29	131.61	35.20	91.29	9.76	42.01	6.44	11.89	1.28
U179	132	133	1395.60	2640.99	259.75	881.79	133.35	34.39	86.56	9.82	41.66	6.28	12.69	1.32
U179	133	134	1170.43	2229.49	225.32	768.65	105.52	27.33	65.58	7.30	28.58	3.86	7.32	0.77
U179	134	135	1313.51	2493.59	256.13	863.12	118.28	29.87	71.69	7.60	32.71	4.33	8.35	0.89
U179	135	136	1718.11	3193.76	314.12	1091.74	162.34	42.84	115.84	12.64	53.48	7.80	15.32	1.50
U179	136	137	2017.17	3721.95	363.66	1218.87	180.89	46.90	125.06	13.88	58.65	8.53	17.15	1.74
U179	137	138	1817.80	3292.03	327.41	1117.40	163.50	43.42	116.99	12.41	54.74	7.85	15.44	1.62
U179	138	139	1606.70	3058.64	297.21	1004.26	142.05	36.94	99.13	10.68	46.60	6.68	13.38	1.37
U179	139	140	1501.15	2739.26	277.88	970.43	142.63	38.10	100.97	11.26	47.97	7.08	13.95	1.46
U179	140	140.95	1129.38	2094.37	212.03	749.99	114.80	30.34	82.53	8.88	40.17	5.65	10.86	1.07
U179	140.95	142	817.42	1560.03	151.02	513.21	74.91	19.22	50.60	5.56	23.18	3.33	6.63	0.71
U179	142	143	952.29	1781.13	175.18	592.52	87.55	22.70	59.82	6.59	27.77	3.96	8.23	0.77
U179	143	144	915.94	1725.86	170.95	590.19	83.72	21.65	58.21	6.61	28.00	4.24	8.00	0.83
U179	144	145	989.82	1922.40	191.49	653.18	89.98	23.97	60.63	6.46	27.20	4.02	7.43	0.74

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U179	145	146	986.30	1903.97	193.91	652.01	98.91	25.82	71.12	8.47	37.76	5.61	10.98	1.23
U179	146	147	1104.75	2229.49	225.93	751.15	103.78	24.55	69.73	7.92	36.73	5.82	10.98	1.12
U179	147	148	906.55	1824.13	187.26	626.35	94.97	23.97	68.12	8.62	38.68	5.61	11.09	1.11
U179	148	149	1272.46	2702.41	277.88	929.61	128.13	29.06	76.88	8.50	35.23	5.02	9.38	1.07
U179	149	150	1366.28	2837.53	289.96	978.60	131.61	29.87	77.34	8.34	34.43	5.02	8.92	1.04
U179	150	151	1307.64	2579.57	260.96	878.29	126.39	30.11	82.30	9.01	36.96	5.77	11.43	1.05
U179	151	152	1231.41	2591.86	270.63	920.28	128.71	28.37	76.19	8.39	33.86	5.09	9.83	0.99
U179	152	153	1178.64	2352.32	248.88	846.80	117.70	25.71	71.00	7.63	30.76	4.80	8.80	0.98
U179	153	154	1084.81	2174.21	224.72	753.48	105.06	26.05	71.58	8.54	36.38	5.50	10.41	1.06
U179	154	155	914.76	1867.12	191.49	648.51	92.65	21.07	60.05	6.39	26.28	3.65	6.86	0.72
U179	155	156	905.38	2088.23	220.49	746.49	98.68	21.65	55.44	5.92	24.22	3.53	7.20	0.79
U179	156	157	535.96	1150.98	125.65	454.89	75.26	17.72	47.49	5.58	23.41	3.51	7.43	0.71
U179	157	158	1290.05	2702.41	280.29	961.10	124.65	29.64	77.92	7.93	33.40	4.49	9.49	0.95
U179	158	159	1272.46	2702.41	287.54	978.60	134.51	30.34	81.14	8.53	31.10	4.62	8.46	0.86
U179	159	160	1336.96	2874.38	308.08	1069.57	139.15	30.57	80.45	7.85	31.45	4.52	7.89	1.05
U179	160	161	1747.43	4078.18	433.73	1469.64	180.31	39.37	100.16	9.76	35.69	4.99	8.12	0.80
U179	161	162	1115.31	2278.62	231.97	779.15	107.84	25.82	69.62	7.23	29.61	4.26	7.55	0.71
U179	162	163	811.56	1596.88	155.85	533.04	78.15	20.38	58.67	6.09	26.40	4.00	6.86	0.77
U179	163	164	1313.51	2542.72	260.96	888.79	143.21	34.27	99.47	11.42	48.20	7.00	13.15	1.43
U179	164	165	850.26	1713.57	173.98	590.19	89.98	22.70	62.82	7.27	32.14	4.52	9.83	1.03
U179	165	166	981.61	1799.56	183.04	607.69	90.56	21.65	60.97	6.48	27.20	3.75	6.86	0.82
U179	166	167	820.94	1529.32	157.67	528.37	79.20	18.53	51.75	5.48	23.87	3.51	6.63	0.67
U179	167	168	948.77	1922.40	184.85	635.68	101.23	24.78	71.35	8.07	35.81	5.67	11.43	1.28
U179	168	169	911.24	1774.99	169.75	566.86	83.72	20.50	57.98	6.55	27.54	4.08	7.89	0.83
U179	169	170	940.56	1744.28	180.62	603.02	86.50	22.35	58.90	6.37	29.27	3.87	8.58	0.79
U179	170	171	880.75	1824.13	177.00	600.69	84.30	18.99	52.67	5.83	25.25	3.40	6.06	0.61
U179	171	172	922.97	1879.40	181.83	604.19	85.34	19.92	52.91	6.03	24.33	3.34	7.20	0.62
U179	172	173	915.94	1701.29	172.77	576.19	86.85	20.50	58.44	6.60	28.35	3.95	7.66	0.78
U179	173	174	852.61	1664.44	158.27	528.37	80.71	20.03	51.75	5.78	26.40	3.53	7.55	0.72
U179	174	175	878.41	1750.42	167.33	547.03	79.31	18.30	49.10	5.60	24.45	3.22	7.09	0.64
U179	175	176	568.79	1063.77	101.97	340.58	53.57	13.08	36.42	4.36	19.97	2.78	5.72	0.56
U179	176	177	117.28	216.19	20.90	68.82	10.44	2.66	7.84	0.79	3.44	0.44	0.91	0.13
U179	177	178	219.31	436.07	44.58	153.96	19.71	4.75	12.68	1.22	5.74	0.62	1.37	0.22
U179	178	179	653.23	1369.63	141.96	486.38	64.01	13.66	33.08	3.55	14.00	1.78	3.54	0.35
U179	179	180	76.23	132.66	13.89	46.66	7.07	1.62	4.61	0.52	2.87	0.18	0.69	0.10
U179	180	181	267.39	538.03	56.78	205.28	38.38	11.12	33.08	4.50	23.07	3.28	6.40	0.61
U179	181	182	106.72	203.91	20.06	66.25	9.04	2.20	5.19	0.60	2.98	0.18	0.80	0.06
U179	182	183	53.95	98.27	9.18	30.79	4.29	1.27	2.88	0.31	1.72	0.10	0.23	0.07
U179	183	184	109.07	206.37	20.42	72.20	12.29	2.66	7.95	0.96	4.71	0.47	1.60	0.17
U179	184	185	129.01	250.59	23.80	78.73	12.87	2.78	7.61	0.78	3.56	0.23	1.03	0.10
U179	185	186	58.64	100.73	9.06	30.44	5.57	1.04	3.34	0.26	2.07	0.14	0.34	0.03
U179	186	187	295.54	633.84	66.69	226.86	32.12	7.18	17.06	1.68	8.03	0.94	2.06	0.18
U179	187	188	170.05	364.83	38.42	139.38	19.13	4.05	10.37	1.06	4.48	0.44	1.37	0.11
U179	188	189	314.30	608.04	59.20	195.95	27.83	6.14	14.75	1.48	6.66	0.84	1.60	0.21
U179	189	190	150.11	266.56	28.15	97.74	15.54	4.40	11.53	1.43	6.66	1.04	2.06	0.19
U179	190	191	676.69	1375.77	134.11	452.56	55.08	13.20	29.16	2.68	9.64	1.28	2.52	0.23
U179	191	192	625.09	1160.81	103.90	323.09	39.43	8.92	21.21	2.23	8.95	1.17	2.52	0.22
U179	192	193	412.82	842.66	82.03	274.10	39.31	9.84	23.74	2.73	11.36	1.56	3.32	0.34
U179	193	194	211.10	395.53	39.27	128.89	18.32	4.52	11.41	1.29	5.74	0.81	1.72	0.14
U179	194	195	258.01	486.43	49.53	169.71	23.19	6.25	15.33	1.83	7.92	1.09	2.40	0.25
U179	195	196	273.26	528.20	52.43	176.71	26.09	6.72	15.56	1.81	8.03	1.13	2.63	0.24
U179	196	197	806.87	1682.86	177.60	605.35	76.42	17.37	39.19	3.83	15.61	2.13	4.46	0.46
U179	197	198	1594.97	3181.47	327.41	1084.74	126.39	28.72	64.20	6.39	26.74	4.24	9.49	1.03
U179	198	199	43.39	78.62	8.34	29.28	4.87	1.39	3.34	0.48	2.07	0.34	0.80	0.11
U179	199	200	150.11	293.58	30.32	105.09	14.84	3.82	9.11	1.02	4.59	0.65	1.49	0.18
U179	200	201	301.40	594.53	59.92	199.45	27.48	6.95	17.52	1.95	8.03	1.10	2.17	0.18

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U179	201	202.15	673.17	1406.48	138.94	466.55	64.12	15.17	37.34	4.06	16.53	2.11	4.12	0.38
U203	50	51	261.53	445.90	57.39	168.54	19.25	3.94	7.95	0.86	3.33	0.64	0.91	0.13
U203	51	52	184.13	525.74	46.51	147.55	17.28	3.36	6.45	0.64	3.67	0.60	1.26	0.13
U203	52	53	141.91	336.57	39.02	121.30	14.26	2.78	4.84	0.59	2.75	0.41	0.91	0.08
U203	53	54	338.93	965.50	97.86	344.08	46.50	10.07	20.86	2.34	9.53	1.33	3.09	0.30
U203	54	55	163.02	410.27	46.88	167.96	24.35	5.33	13.14	1.43	7.35	1.23	3.20	0.39
U203	55	56	86.79	256.73	25.98	94.36	11.60	2.43	5.19	0.56	3.10	0.42	1.03	0.14
U203	56	57	240.42	404.13	66.69	241.44	33.05	6.48	13.26	1.46	6.77	1.00	2.17	0.24
U203	57	58	132.52	163.37	32.86	129.47	20.76	4.98	12.68	1.55	7.92	1.28	2.74	0.31
U203	58	59	147.77	174.43	33.95	137.63	22.15	5.44	13.72	1.58	7.69	1.53	3.43	0.46
U203	59	60	144.25	253.04	33.22	125.97	19.48	5.09	11.41	1.34	6.77	0.95	2.17	0.23
U203	60	61	139.56	283.75	32.38	119.55	17.97	4.75	12.22	1.41	6.66	0.94	1.83	0.25
U203	61	62	93.82	208.82	21.87	74.18	11.02	3.13	7.84	0.96	4.82	0.70	1.60	0.17
U203	62	63	82.09	207.59	20.30	74.07	10.55	2.78	6.69	0.94	5.05	0.73	2.06	0.27
U203	63	64	57.47	162.14	15.34	51.55	7.19	1.97	4.61	0.46	2.87	0.52	1.37	0.17
U203	64	65	43.39	98.27	9.30	36.51	6.03	1.27	2.88	0.40	2.30	0.39	1.26	0.19
U203	65	66	138.39	335.34	31.77	111.39	14.96	3.24	7.38	0.88	3.90	0.68	1.94	0.18
U203	66	67	59.81	140.03	13.05	47.36	7.42	2.08	4.50	0.49	2.87	0.58	1.72	0.15
U203	67	68	31.66	81.07	9.54	39.31	7.54	1.97	5.07	0.62	3.67	0.57	1.72	0.15
U203	68	69.1	82.09	228.48	22.23	82.58	13.45	3.59	9.68	1.12	5.85	0.99	2.63	0.27
U203	69.1	70.3	280.29	549.08	60.41	218.70	34.09	8.92	25.47	3.18	17.33	2.99	7.09	0.64
U203	70.3	71	520.71	967.95	100.64	340.58	48.12	11.70	25.01	2.63	12.62	1.95	4.35	0.48
U203	71	72	281.47	560.14	59.08	201.20	28.53	6.72	14.98	1.58	7.35	1.26	3.20	0.33
U203	72	73	51.60	85.99	10.99	39.31	6.61	1.85	4.84	0.58	3.56	0.65	2.06	0.22
U203	73	74	138.39	249.36	34.92	124.80	21.68	5.67	14.06	1.82	10.33	1.96	5.49	0.78
U203	74	75	164.19	415.19	45.06	149.88	24.00	5.56	14.06	1.76	8.15	1.56	3.77	0.49
U203	75	76	177.09	368.51	40.35	131.80	19.25	4.75	11.18	1.63	8.26	1.73	4.57	0.59
U203	76	77	188.82	397.99	43.25	146.96	21.80	5.33	13.60	1.79	7.69	1.53	4.00	0.56
U203	77	78	55.12	89.67	11.72	38.61	5.57	1.39	3.57	0.54	2.75	0.62	1.72	0.21
U203	78	79	19.94	47.91	4.83	16.80	2.55	0.58	1.84	0.32	1.49	0.42	1.37	0.21
U203	79	80	429.23	937.24	109.22	375.58	53.46	13.55	34.58	4.33	19.40	3.86	10.41	1.43
U203	80	81	743.54	1910.11	244.05	917.94	158.28	35.66	71.81	6.43	22.27	3.12	5.72	0.71
U203	81	82	320.17	577.33	67.29	223.36	31.42	8.34	20.06	2.18	10.67	1.86	4.57	0.62
U203	82	83	551.20	1024.46	114.65	368.58	48.12	10.54	22.25	2.22	8.15	1.39	3.32	0.34
U203	83	84	93.82	167.06	22.96	84.33	12.06	2.89	6.69	0.94	3.90	0.64	1.60	0.19
U203	84	85	129.01	364.83	42.16	148.13	22.50	5.09	12.91	1.66	6.20	1.18	2.86	0.33
U203	85	86	48.08	79.84	11.96	41.29	6.61	1.74	4.03	0.48	2.30	0.42	1.03	0.13
U203	86	87	8.21	17.20	1.81	6.42	1.28	0.23	0.69	0.12	0.57	0.15	0.46	0.07
U203	87	88	10.55	17.20	2.30	8.40	1.04	0.23	1.04	0.11	0.57	0.15	0.34	0.03
U203	88	89.2	24.63	45.45	6.04	19.36	2.78	0.69	2.31	0.33	1.26	0.26	0.91	0.11
U203	89.2	90.4	31.66	66.33	8.58	28.69	4.75	1.16	2.88	0.38	2.18	0.42	1.14	0.15
U203	90.4	91.2	209.93	422.56	60.29	219.28	34.21	7.87	20.75	2.60	11.82	2.34	5.95	0.74
U203	91.2	92	736.50	1971.53	254.92	950.60	140.31	29.41	62.24	5.38	20.54	3.24	6.98	0.87
U203	92	93	121.97	289.89	33.71	115.71	14.15	3.13	6.92	0.73	3.10	0.54	1.60	0.19
U203	93	94	225.17	390.62	49.17	162.13	23.66	5.79	14.06	1.76	7.35	1.29	2.86	0.34
U203	94	95	493.74	974.10	115.98	380.24	53.11	11.70	29.16	3.12	13.08	2.25	4.69	0.64
U203	95	96	103.20	206.37	23.68	77.56	9.97	2.66	7.03	0.84	4.02	0.68	1.60	0.18
U203	96	97	2591.83	4778.35	553.34	1819.56	255.10	56.51	129.67	13.41	53.14	7.58	14.75	1.55
U203	97	98	89.13	212.51	23.44	79.43	10.78	2.43	6.11	0.76	3.10	0.47	1.14	0.11
U203	98	99	1430.78	2911.23	310.50	1066.08	144.37	31.38	71.23	6.75	24.68	3.44	6.63	0.77
U203	99	100	300.23	750.53	84.93	299.76	43.25	8.34	20.40	2.03	7.57	1.23	2.52	0.26
U203	100	101	151.29	340.26	37.57	131.22	20.06	4.52	10.83	1.15	4.94	0.69	1.60	0.21
U203	101	102	1144.63	2290.91	234.99	787.31	109.23	25.47	62.36	6.55	23.53	3.26	6.63	0.70
U203	102	103	116.10	251.82	27.55	100.78	16.35	4.05	10.95	1.54	6.31	0.96	2.40	0.29
U203	103	104	58.64	128.98	12.93	42.11	6.49	1.39	3.80	0.51	2.41	0.36	0.91	0.15
U203	104	105	68.02	151.09	15.22	52.25	8.23	1.97	5.53	0.61	3.21	0.58	1.26	0.18

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
U203	105	106	600.46	1246.79	139.54	486.38	77.23	20.96	53.02	7.09	34.66	5.68	13.49	1.63
U203	106	107	55.12	113.01	12.69	44.67	6.96	1.74	4.61	0.61	2.64	0.42	1.03	0.15
U203	107	108	224.00	509.77	59.92	219.28	33.28	8.11	20.86	2.27	9.76	1.50	3.20	0.43
U203	108	109	300.23	826.69	94.84	352.25	57.28	14.59	34.35	3.85	16.76	2.60	5.95	0.66
U203	109	110	66.85	174.43	19.09	65.08	10.20	2.55	6.80	0.71	3.56	0.63	1.37	0.15
U203	110	111.2	14.07	31.94	3.38	12.60	1.86	0.58	1.50	0.22	1.26	0.21	0.46	0.07
U203	111.2	112.4	8.21	18.43	2.17	8.16	1.74	0.46	1.15	0.21	1.15	0.14	0.46	0.03
U203	112.4	113.55	137.21	277.61	32.74	117.80	18.79	5.21	14.64	1.68	7.35	1.17	2.74	0.34
U203	113.55	114.3	76.23	179.34	19.09	66.02	9.51	2.55	6.11	0.75	4.25	0.60	1.26	0.16
U203	114.3	115	79.75	175.66	18.73	64.03	9.62	2.55	5.88	0.71	3.67	0.54	1.26	0.18
U203	115	116	12.90	34.39	3.02	11.20	2.44	0.69	1.73	0.28	1.49	0.30	0.69	0.06
U203	116	117	15.25	45.45	4.83	18.31	2.90	0.93	2.19	0.39	1.72	0.30	0.46	0.11
U203	117	118	36.36	101.95	9.67	36.86	6.84	1.62	5.42	0.69	3.33	0.46	1.14	0.22
U203	118	119.1	22.28	66.33	6.77	24.96	4.41	1.04	2.88	0.39	2.30	0.33	0.80	0.11
U203	119.1	120.3	79.75	197.77	22.11	80.25	12.29	3.01	7.72	0.82	4.48	0.66	1.37	0.17
U203	123.8	124	18.76	55.28	5.44	23.79	4.64	1.04	3.46	0.44	2.30	0.38	0.80	0.10
U203	124	125	8.21	17.20	1.69	4.90	0.70	0.23	0.46	0.09	0.34	0.07	0.11	0.03
U203	125	126	19.94	35.62	3.50	10.85	1.74	0.35	1.04	0.15	0.57	0.07	0.34	0.03
U203	126	127	18.76	31.94	3.02	9.80	1.28	0.23	0.81	0.06	0.34	0.06	0.23	0.03
U203	127	128	15.25	31.94	3.02	9.80	1.74	0.35	0.92	0.08	0.80	0.09	0.11	0.03
U203	128	128.8	267.39	684.20	87.95	335.92	49.98	12.97	30.54	3.40	13.77	2.18	4.46	0.51
U203	128.8	129.6	84.44	183.03	19.09	63.22	8.81	1.97	4.26	0.48	2.18	0.32	0.57	0.07
U203	129.6	130.55	120.80	244.45	25.25	78.85	10.78	2.78	6.34	0.62	2.52	0.34	0.91	0.09
U203	136.08	137	152.46	437.30	56.42	217.53	38.96	10.19	24.78	2.87	12.05	1.87	3.77	0.39
U203	137	138	41.05	98.27	10.99	37.21	5.33	1.39	3.46	0.33	1.72	0.23	0.46	0.07
U203	138	139	22.28	38.08	4.11	12.48	1.74	0.46	1.04	0.18	0.69	0.08	0.23	0.03
U203	139	140	25.80	54.05	6.04	21.58	3.83	0.69	2.42	0.26	1.38	0.24	0.34	0.03
U203	140	141	70.37	152.32	17.88	62.52	8.81	2.55	5.99	0.73	3.44	0.48	1.03	0.11
U203	141	141.87	23.46	46.68	4.95	15.98	2.32	0.58	1.04	0.16	0.69	0.08	0.23	0.03
X191	50	51	195.85	357.46	43.98	162.71	27.13	7.64	21.67	2.81	16.76	3.36	8.58	1.01
X191	51	52	274.43	541.71	73.70	313.76	64.12	18.18	59.82	7.16	33.51	6.25	14.18	1.51
X191	52	53	111.41	229.70	26.46	103.34	19.36	6.02	22.59	2.80	13.54	2.51	6.40	0.65
X191	53	54	152.46	280.07	31.17	110.22	18.44	5.67	24.32	3.63	22.04	4.49	12.24	1.43
X191	54	55	666.14	1363.49	132.29	445.56	66.44	17.83	59.36	9.29	63.01	14.95	41.05	4.96
X191	55	56	967.54	1867.12	189.68	639.18	96.59	25.82	78.95	11.47	73.22	19.30	55.00	6.80
X191	56	57	656.75	1418.76	135.31	459.56	66.56	16.56	45.07	5.55	29.95	8.42	30.87	4.95
X191	57	58	589.90	1082.19	122.63	431.56	67.14	18.18	51.18	6.47	31.91	7.27	25.84	4.25
X191	58	59	338.93	807.04	83.36	296.26	42.79	11.12	29.85	3.23	15.38	3.43	11.21	1.95
X191	59	60	295.54	631.38	70.44	251.94	38.85	10.42	27.66	3.03	13.43	2.80	9.38	1.62
X191	60	61	697.80	1375.77	138.33	470.05	65.17	16.91	45.99	4.88	22.84	4.56	13.72	2.39
X191	61	62	640.33	1326.64	132.90	466.55	66.44	16.67	46.91	5.35	23.99	4.42	12.24	1.86
X191	62	63	513.67	1094.48	119.00	429.23	67.14	18.41	50.48	5.95	27.77	4.83	11.78	1.76
X191	63	64	497.26	1030.60	112.24	395.40	58.44	15.17	40.80	4.80	21.92	4.03	10.86	1.59
X191	64	65	451.52	1100.62	111.03	372.08	51.14	12.74	34.35	3.87	17.33	3.02	7.43	0.99
X191	65	66	282.64	668.23	70.68	244.94	35.95	9.03	22.82	2.72	11.36	1.99	5.26	0.66
X191	66	67	308.44	668.23	71.16	246.11	32.70	8.57	22.59	2.40	11.25	1.82	4.69	0.64
X191	67	68	391.71	848.80	95.32	333.59	46.27	11.70	29.16	3.11	13.08	2.15	5.03	0.69
X191	68	69	450.34	1010.95	115.38	423.40	64.70	17.60	45.18	4.86	20.54	3.52	8.46	1.14
X191	69	70	1142.28	2303.19	248.88	807.14	111.32	28.37	66.97	7.53	33.51	5.21	13.04	1.69
X191	70	71	2093.40	4311.57	462.73	1487.14	202.34	48.98	118.72	12.47	55.20	7.89	17.95	2.30
X191	71	72	1806.07	3943.06	468.77	1650.43	260.90	66.93	153.87	14.29	59.68	8.16	16.58	1.77
X191	72	73	1483.56	2997.22	331.04	1077.74	150.74	39.02	94.51	10.19	46.37	6.80	14.75	1.75
X191	73	74	460.90	1036.74	114.41	387.24	55.78	14.94	36.54	3.88	18.59	2.86	6.75	0.78
X191	74	75	483.18	1067.45	102.57	362.75	49.63	12.97	29.85	3.32	14.12	2.15	4.35	0.53
X191	75	76	315.48	598.22	57.51	202.37	30.73	8.68	20.52	2.48	11.13	1.63	4.12	0.39
X191	76	77	14.07	29.48	2.78	9.68	1.74	0.35	0.92	0.15	0.69	0.13	0.34	0.03

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
X191	77	78	25.80	56.50	5.56	20.76	3.13	0.93	2.42	0.39	1.72	0.26	0.91	0.08
X191	78	79	111.41	246.90	26.10	93.54	14.49	3.82	9.22	1.18	5.16	0.86	1.83	0.23
X191	79	80	60.98	130.21	12.81	44.79	7.42	1.85	4.73	0.59	2.52	0.37	1.03	0.13
X191	80	81	126.66	261.64	27.06	95.41	15.07	3.82	9.91	1.07	5.51	1.08	2.97	0.38
X191	81	82	35.18	72.47	7.01	25.31	4.17	1.16	2.77	0.34	1.72	0.25	0.80	0.11
X191	82	83	178.26	346.40	33.10	111.04	15.77	4.05	9.91	1.25	5.28	0.82	1.72	0.22
X191	83	84	100.86	181.80	17.16	56.34	8.12	2.20	5.42	0.65	2.98	0.48	1.14	0.10
X191	84	85	26.97	46.68	4.83	16.21	2.90	0.69	1.84	0.26	1.26	0.22	0.57	0.07
X191	85	86	49.26	84.76	8.82	30.91	5.22	1.39	3.92	0.39	2.07	0.27	0.91	0.08
X191	86	87	299.06	771.42	70.92	251.94	30.84	6.72	14.29	1.40	5.74	0.74	1.49	0.14
X191	87	88	56.29	105.64	11.12	39.31	5.57	1.74	3.92	0.54	2.64	0.41	0.80	0.11
X191	88	89	727.12	1467.90	143.77	520.21	72.47	18.76	44.15	5.15	22.49	3.48	7.78	0.83
X191	89	90	931.18	1817.98	191.49	676.50	97.06	23.51	57.17	6.50	29.27	4.36	9.61	1.02
X191	90	91	652.06	1320.50	131.09	480.55	68.76	17.14	42.07	4.82	21.58	3.37	7.66	0.87
X191	91	92	153.63	291.12	28.75	100.54	15.54	4.28	10.72	1.34	5.74	0.96	2.29	0.30
X191	92	93	207.58	350.08	33.83	116.29	18.79	5.33	13.83	1.74	8.03	1.33	3.20	0.39
X191	93	94	143.08	245.67	24.65	85.15	13.68	3.82	9.34	1.18	5.97	0.93	2.40	0.34
X191	94	95	239.25	397.99	36.61	119.55	18.09	4.63	11.53	1.32	5.62	0.79	2.06	0.27
X191	95	96	535.96	1191.52	131.09	515.54	94.04	25.71	62.70	7.46	33.74	5.19	12.01	1.35
X191	96	97	467.94	1008.49	104.51	369.74	59.25	15.98	37.81	4.39	19.51	3.00	6.40	0.73
X191	97	98	139.56	271.47	28.15	99.38	15.31	3.82	9.68	1.20	5.39	0.86	2.06	0.23
X191	98	99	150.11	261.64	24.28	84.21	12.87	3.82	9.91	1.19	5.51	0.95	2.52	0.22
X191	99	100	66.85	126.52	13.05	47.12	7.77	2.32	5.88	0.66	3.10	0.55	1.37	0.14
X191	100	101	131.35	315.69	37.09	140.55	23.19	6.02	14.98	1.79	8.26	1.28	2.97	0.39
X191	101	102	209.93	367.28	34.80	118.97	18.55	4.98	13.95	1.74	7.80	1.24	2.97	0.33
X191	102	103	605.15	1096.93	101.97	356.91	54.38	15.05	38.38	4.63	20.89	3.26	7.66	0.80
X191	103	104	599.29	1025.69	112.24	367.41	55.54	14.24	38.27	4.47	20.89	3.22	7.09	0.75
X191	104	105	606.32	1146.07	143.17	515.54	84.88	22.12	53.14	6.03	25.48	3.78	8.00	0.81
X191	105	106	603.98	1098.16	128.07	454.89	79.78	22.46	54.63	6.19	25.82	3.85	7.32	0.78
X191	106	107	625.09	1222.23	116.95	388.41	59.25	14.94	37.58	4.55	19.28	2.82	6.29	0.64
X191	107	108	277.95	514.69	50.74	167.96	25.16	6.02	15.56	1.74	7.23	1.09	2.29	0.26
X191	108	109	209.93	397.99	41.20	137.63	20.41	5.09	13.37	1.69	7.80	1.21	2.74	0.32
X191	109	109.8	383.50	759.13	72.37	243.77	35.95	8.80	23.28	2.82	11.59	1.73	3.43	0.45
X191	109.8	111	191.16	353.77	35.52	121.89	18.32	4.28	12.22	1.41	5.62	0.84	2.06	0.23
X191	111	112	14.07	28.25	2.66	8.16	1.39	0.23	0.81	0.13	0.57	0.07	0.11	0.03
X191	112	113	50.43	98.27	9.67	33.24	5.80	1.27	3.57	0.45	1.84	0.31	0.57	0.08
X191	113	114	112.59	191.63	18.73	59.49	9.62	2.55	6.45	0.82	4.13	0.56	1.49	0.15
X191	114	115	708.35	1125.19	100.40	340.58	56.82	15.75	45.18	5.95	26.17	4.31	9.38	1.01
X191	115	116	141.91	305.86	33.59	124.22	21.80	5.67	14.98	2.09	8.95	1.57	3.89	0.49
X191	116	117	209.93	378.34	36.12	110.92	15.89	3.71	9.45	1.25	5.39	0.89	1.94	0.23
X191	117	118	140.73	257.96	24.53	77.45	10.32	2.55	6.69	0.84	4.02	0.65	1.49	0.26
X191	118	119	118.45	197.77	20.78	66.83	8.70	2.43	5.88	0.76	3.44	0.58	1.49	0.11
X191	119	120	193.51	324.29	36.12	116.52	17.86	4.75	12.10	1.60	7.35	1.20	2.74	0.33
X191	120	121	213.44	456.95	54.49	190.12	27.95	7.06	17.75	2.20	9.98	1.63	3.89	0.48
X191	121	122	83.27	167.06	20.54	71.38	10.90	2.89	7.03	0.80	4.02	0.61	1.37	0.17
X191	122	123	286.16	633.84	75.75	270.60	42.79	11.12	26.74	3.12	14.46	2.26	5.49	0.51
X191	123	124	137.21	264.10	30.20	103.23	15.77	4.40	10.49	1.25	6.31	0.87	2.06	0.23
X191	124	125	161.84	297.27	29.60	96.81	14.61	3.59	9.34	1.13	5.16	0.82	1.83	0.19
X191	125	126	105.55	190.40	20.06	65.08	9.04	2.32	5.76	0.72	2.98	0.46	1.14	0.14
X191	126	127	265.05	517.14	53.88	178.46	25.05	6.14	15.45	1.82	7.57	1.17	2.52	0.25
X191	127	128	1172.77	2376.89	276.67	926.11	126.39	29.06	65.01	6.49	26.51	3.69	8.12	0.79
X191	128	129	891.31	1817.98	211.43	712.66	93.58	20.38	46.22	4.56	18.36	2.54	5.72	0.51
X191	129	130	749.40	1375.77	146.19	477.05	67.49	15.98	41.03	4.42	19.63	2.74	5.95	0.64
X191	130	131	194.68	378.34	40.84	130.05	18.79	4.63	11.18	1.34	5.39	0.82	1.94	0.18
X191	131	132	65.68	124.07	13.05	41.52	5.57	1.39	3.69	0.44	1.95	0.31	0.80	0.08
X191	132	133	109.07	228.48	26.46	86.31	11.36	2.55	6.22	0.66	2.75	0.45	0.91	0.14

holeid	from	to	La2O3_ppm	CeO2_ppm	Pr6O11_ppm	Nd2O3_ppm	Sm2O3_ppm	Eu2O3_ppm	Gd2O3_ppm	Tb4O7_ppm	Dy2O3_ppm	Ho2O3_ppm	Er2O3_ppm	Tm2O3_ppm
X191	133	134	35.18	66.33	6.89	21.69	3.01	0.81	2.19	0.27	1.38	0.25	0.57	0.08
X191	134	135	392.88	739.48	73.82	221.03	27.48	6.60	14.75	1.58	7.80	1.17	2.74	0.34
X191	135	136	448.00	901.62	94.48	309.09	40.82	9.26	21.21	2.15	8.95	1.44	3.09	0.42
X191	136	137	267.39	589.62	67.66	232.11	32.82	7.76	17.52	1.78	7.57	1.05	2.52	0.24
X191	137	138	19.94	39.31	4.47	16.21	2.32	0.69	1.96	0.19	1.26	0.18	0.46	0.06
X191	138	139	241.59	434.84	52.07	191.87	36.87	10.31	24.90	3.34	15.95	2.52	6.06	0.77
X191	139	140	238.07	497.49	53.16	190.12	29.92	8.11	19.02	2.11	11.02	1.82	4.35	0.46
X191	140	141	99.69	226.02	24.28	87.95	11.02	2.66	5.88	0.59	2.41	0.36	0.69	0.03
X191	141	142	112.59	219.88	22.23	80.01	12.06	3.13	8.07	0.87	4.36	0.63	1.49	0.13
X191	142	143	110.24	205.14	20.66	74.53	10.32	2.89	7.49	0.82	3.90	0.80	1.49	0.09
X191	143	144.1	152.46	284.98	29.72	104.97	16.12	4.17	11.30	1.36	6.89	1.13	2.17	0.25
X191	144.1	145.3	56.29	117.92	12.69	45.37	6.73	1.62	3.57	0.42	2.18	0.39	0.80	0.10

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN10A	0	1	4.55	0.65	43.18	0.04	0.01	67.29	254.63	9.79	8.3	48.4	19	5	780
FSN10A	1	2	4.44	0.74	44.45	0.04	0.01	67.40	213.15	7.43	6.3	46.6	20	5	810
FSN10A	2	3	4.55	0.76	45.72	0.04	0.01	69.97	211.72	7.31	6.2	46.9	20	5	850
FSN10A	3	4	4.78	0.72	45.72	0.04	0.00	70.04	208.86	7.31	6.2	47	20	5	850
FSN10A	4	5	4.33	0.71	41.91	0.04	0.01	65.18	193.12	6.72	5.7	44.9	19	5	770
FSN10A	5	6	4.44	0.63	40.64	0.04	0.01	63.86	183.11	6.25	5.3	42.6	18	2.5	730
FSN10A	6	7	4.33	0.66	41.91	0.05	0.01	67.46	174.52	6.25	5.3	40.2	17	2.5	710
FSN10A	7	8	3.99	0.64	41.91	0.06	0.01	67.19	167.37	6.01	5.1	39.2	17	2.5	700
FSN10A	8	9	3.99	0.65	39.37	0.06	0.01	63.88	160.22	5.66	4.8	38.1	16	2.5	660
FSN10A	9	10	3.99	0.65	41.91	0.06	0.01	67.72	158.79	5.54	4.7	37.3	16	2.5	670
FSN10A	10	11	3.99	0.65	41.91	0.06	0.01	67.64	161.65	5.78	4.9	37.5	16	2.5	670
FSN10A	11	12	4.21	0.58	41.91	0.07	0.01	69.21	148.77	5.31	4.5	36.5	16	2.5	670
FSN10A	12	13	3.76	0.56	39.37	0.07	0.01	64.79	151.64	5.31	4.5	35.1	16	2.5	640
FSN10A	13	14	3.64	0.59	38.10	0.07	0.01	63.56	145.91	5.19	4.4	35.3	15	2.5	630
FSN10A	14	15	3.76	0.59	39.37	0.07	0.01	65.79	147.34	5.07	4.3	33.2	15	2.5	610
FSN10A	15	16	3.76	0.72	40.64	0.08	0.01	67.65	145.91	4.83	4.1	32.7	15	2.5	620
FSN10A	16	17	4.10	0.59	40.64	0.07	0.01	67.70	157.36	5.19	4.4	36.1	16	2.5	640
FSN10A	17	18	3.53	0.57	39.37	0.08	0.02	66.08	150.21	4.83	4.1	32.7	14	2.5	610
FSN10A	18	19	3.87	0.52	38.10	0.08	0.02	65.44	153.07	4.95	4.2	33.4	15	2.5	630
FSN10A	19	20	3.76	0.56	38.10	0.08	0.02	64.44	155.93	4.72	4	33.2	15	2.5	630
FSN10A	20	21	2.96	0.39	29.21	0.07	0.01	49.77	133.04	4.95	4.2	37.9	12	2.5	500
FSN10A	21	22	1.94	0.36	20.32	0.06	0.01	35.63	134.47	5.31	4.5	35.3	10	2.5	400
FSN10A	22	23	2.85	0.40	25.40	0.07	0.01	44.54	224.59	6.01	5.1	41.7	12	2.5	480
FSN10A	23	24	2.28	0.33	21.59	0.06	0.01	37.37	144.48	4.60	3.9	42.7	11	6	430
FSN10A	24	25	2.05	0.30	19.05	0.05	0.01	33.67	154.50	5.54	4.7	38.6	9	2.5	370
FSN10A	25	26	1.59	0.27	16.51	0.05	0.01	28.79	157.36	6.25	5.3	31.1	9	2.5	370
FSN10A	26	27	1.48	0.26	15.24	0.04	0.01	26.74	143.05	5.42	4.6	32.7	8	2.5	330
FSN10A	27	28	1.25	0.24	11.43	0.04	0.01	20.67	113.01	4.48	3.8	25.1	7	2.5	300
FSN10A	28	29	1.37	0.22	11.43	0.04	0.01	21.04	120.16	5.07	4.3	24.1	7	2.5	280
FSN10A	29	30	1.14	0.19	11.43	0.03	0.01	19.77	128.75	4.83	4.1	24	6	2.5	270
FSN10A	30	31	0.80	0.11	7.62	0.02	0.00	14.13	124.46	4.36	3.7	22.7	5	2.5	210
FSN10A	31	32	0.57	0.07	5.08	0.01	0.00	9.71	95.85	3.54	3	14.4	4	2.5	130
FSN10A	32	33	0.57	0.09	6.35	0.02	0.00	11.22	133.04	2.95	2.5	16.1	5	2.5	180
FSN10A	33	34	0.34	0.03	3.81	0.02	0.00	7.44	91.55	2.24	1.9	10.8	3	2.5	130
FSN10A	34	35	0.46	0.09	5.08	0.02	0.00	10.10	115.87	2.71	2.3	11.6	4	2.5	140
FSN10A	35	36	0.68	0.08	6.35	0.02	0.00	11.66	120.16	2.71	2.3	18.8	4	2.5	190
FSN10A	36	37	1.59	0.15	13.97	0.04	0.00	26.00	336.17	4.13	3.5	39.3	20	2.5	930
FSN10A	37	38	0.57	0.07	6.35	0.07	0.00	12.23	160.22	2.83	2.4	21	5	2.5	220
FSN10A	38	39	0.34	0.06	3.81	0.06	0.00	7.25	74.39	2.24	1.9	7.8	2	2.5	90
FSN10A	39	40	0.34	0.03	3.81	0.03	0.00	8.02	115.87	2.36	2	10	4	2.5	120
FSN10A	40	41	0.23	0.03	3.81	0.03	0.00	7.61	90.12	2.36	2	12	2	2.5	80
FSN10A	41	42	0.57	0.07	6.35	0.04	0.00	12.73	158.79	3.07	2.6	15.4	4	2.5	130
FSN10A	42	43	0.46	0.07	3.81	0.03	0.00	8.54	80.11	2.36	2	7.4	2	2.5	100
FSN10A	43	44	0.34	0.03	1.90	0.01	0.00	5.17	37.19	1.77	1.5	3.4	1	17	60
FSN10A	44	45	0.34	0.03	3.81	0.01	0.00	7.17	15.74	1.42	1.2	1.6	1	12	30
FSN10A	45	46	0.23	0.03	1.90	0.01	0.00	5.15	11.44	1.30	1.1	2.4	0.5	2.5	10
FSN10A	46	47	0.23	0.03	1.90	0.00	0.00	4.49	5.72	1.30	1.1	1	0.5	2.5	10
FSN10A	47	48	0.34	0.06	1.90	0.00	0.00	5.01	4.29	1.18	1	0.6	0.5	2.5	10
FSN10A	48	49	0.23	0.03	1.90	0.00	0.00	4.99	2.86	1.18	1	0.5	0.5	2.5	5
FSN10A	49	50	0.23	0.03	1.90	0.00	0.00	5.63	5.72	0.94	0.8	0.4	1	46	60
FSN10A	50	51	0.11	0.03	1.90	0.00	0.00	3.63	1.43	0.83	0.7	0.15	0.5	2.5	5
FSN10A	51	52	0.34	0.03	1.90	0.00	0.00	5.27	4.29	1.30	1.1	0.8	0.5	6	10
FSN10A	52	53	0.57	0.07	5.08	0.01	0.00	10.29	17.17	2.00	1.7	1.4	1	29	20
FSN10A	53	54	0.46	0.11	5.08	0.01	0.00	11.09	22.89	2.36	2	2.2	1	138	20
FSN10A	54	55	0.68	0.09	5.08	0.01	0.00	10.86	21.46	2.36	2	2.6	1	62	20
FSN10A	55	56	0.68	0.09	7.62	0.02	0.01	15.84	40.05	2.24	1.9	4.6	1	143	30

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN10A	56	57	0.46	0.09	6.35	0.02	0.01	13.42	30.04	1.89	1.6	4.9	1	165	30
FSN10A	57	58	0.34	0.03	3.81	0.01	0.00	7.34	7.15	1.65	1.4	0.6	0.5	22	10
FSN10A	58	59	0.34	0.03	3.81	0.01	0.00	7.58	10.01	1.53	1.3	2.1	0.5	19	10
FSN10A	59	60	0.23	0.07	1.90	0.01	0.00	5.30	10.01	1.18	1	1.8	0.5	14700	10
FSN10A	60	61	0.34	0.06	3.81	0.01	0.00	8.76	8.58	1.65	1.4	1.6	0.5	1340	10
FSN10A	61	62	0.34	0.03	3.81	0.01	0.00	8.55	7.15	1.53	1.3	1	0.5	10800	10
FSN10A	62	63	0.34	0.03	1.90	0.00	0.00	4.91	2.86	1.18	1	0.3	0.5	27	10
FSN10A	63	64	0.34	0.06	1.90	0.00	0.00	5.95	4.29	1.06	0.9	0.5	0.5	29	10
FSN10A	64	65	5.01	0.65	109.21	0.23	0.05	193.25	590.81	11.08	9.4	53.3	7	552	220
FSN10A	65	66	7.97	1.18	180.33	0.26	0.06	300.88	573.64	11.44	9.7	55.8	10	1895	340
FSN10A	66	67	11.61	1.43	260.34	0.43	0.10	466.35	816.83	15.80	13.4	69.7	13	258	470
FSN10A	67	68	0.57	0.08	5.08	0.00	0.00	9.46	8.58	1.30	1.1	1.9	0.5	43	10
FSN10A	68	69	0.57	0.08	6.35	0.00	0.00	10.10	7.15	1.18	1	6.5	0.5	113	10
FSN10A	69	69.65	0.46	0.06	5.08	0.00	0.00	8.52	5.72	1.06	0.9	5.7	0.5	18	10
FSN1A	0	1	4.10	0.64	40.64	0.04	0.01	63.21	221.73	6.49	5.5	50.7	17	9	740
FSN1A	1	2	4.67	0.66	43.18	0.04	0.01	67.58	243.19	7.19	6.1	56.7	21	6	810
FSN1A	2	3	4.67	0.74	46.99	0.05	0.01	72.17	247.48	7.31	6.2	56.5	21	6	860
FSN1A	3	4	4.78	0.72	45.72	0.05	0.01	70.49	237.47	6.96	5.9	56.4	20	6	840
FSN1A	4	5	4.55	0.67	45.72	0.06	0.01	70.07	234.61	6.96	5.9	55.1	20	6	810
FSN1A	5	6	4.33	0.64	41.91	0.06	0.01	65.30	203.13	6.13	5.2	52	18	9	730
FSN1A	6	7	4.10	0.57	40.64	0.06	0.01	65.04	208.86	5.90	5	49.7	17	5	700
FSN1A	7	8	3.76	0.61	39.37	0.06	0.01	64.62	190.26	5.78	4.9	48.2	17	7	670
FSN1A	8	9	4.10	0.64	40.64	0.07	0.01	67.10	198.84	5.66	4.8	47.3	17	6	700
FSN1A	9	10	3.99	0.61	39.37	0.07	0.01	64.86	194.55	5.54	4.7	46.3	16	6	640
FSN1A	10	11	3.76	0.57	39.37	0.08	0.02	66.83	180.25	5.31	4.5	43	16	6	600
FSN1A	11	12	3.87	0.55	39.37	0.09	0.02	67.54	175.95	5.19	4.4	42.2	16	2.5	650
FSN1A	12	13	3.76	0.61	41.91	0.09	0.02	72.27	183.11	5.31	4.5	45.3	16	7	670
FSN1A	13	14	3.87	0.63	40.64	0.09	0.02	71.56	183.11	5.31	4.5	44.4	16	2.5	650
FSN1A	14	15	3.87	0.59	41.91	0.09	0.02	71.87	181.68	5.19	4.4	44	15	7	610
FSN1A	15	16	3.87	0.59	40.64	0.09	0.02	70.78	178.82	5.19	4.4	43.9	16	7	610
FSN1A	16	17	3.99	0.59	40.64	0.10	0.02	71.62	187.40	5.42	4.6	45	17	2.5	700
FSN1A	17	18	4.10	0.61	40.64	0.10	0.02	73.32	178.82	5.19	4.4	41.1	15	6	600
FSN1A	18	19	3.99	0.66	39.37	0.10	0.02	71.05	173.09	4.95	4.2	39.9	14	2.5	580
FSN1A	19	20	4.10	0.60	41.91	0.10	0.02	74.59	190.26	5.31	4.5	39.9	17	7	650
FSN1A	20	21	4.21	0.64	43.18	0.11	0.02	77.17	204.57	5.31	4.5	39.8	17	10	660
FSN1A	21	22	3.99	0.64	43.18	0.11	0.02	77.20	188.83	5.07	4.3	40.7	15	9	590
FSN1A	22	23	4.10	0.57	40.64	0.11	0.02	72.79	188.83	5.31	4.5	39.7	15	6	580
FSN1A	23	24	4.10	0.57	40.64	0.11	0.02	73.29	190.26	5.31	4.5	39.5	15	12	620
FSN1A	24	25	4.10	0.64	39.37	0.11	0.02	72.51	188.83	4.83	4.1	39.4	15	7	580
FSN1A	25	26	4.33	0.59	40.64	0.11	0.02	73.68	188.83	5.19	4.4	40	15	10	610
FSN1A	26	27	3.99	0.58	40.64	0.12	0.02	74.50	195.98	5.07	4.3	39.9	15	2.5	590
FSN1A	27	28	3.99	0.53	40.64	0.12	0.02	75.81	201.70	5.31	4.5	40.4	15	5	610
FSN1A	28	29	4.21	0.52	40.64	0.13	0.03	77.30	214.58	5.19	4.4	41.4	15	11	630
FSN1A	29	30	3.99	0.52	40.64	0.13	0.03	76.01	211.72	5.19	4.4	40.4	14	9	610
FSN1A	30	31	4.21	0.49	39.37	0.13	0.03	74.84	217.44	5.07	4.3	40.6	15	9	600
FSN1A	31	32.2	3.76	0.57	36.83	0.14	0.03	70.41	216.01	4.95	4.2	41.8	15	7	610
FSN1A	32.2	33	3.76	0.49	35.56	0.14	0.03	66.94	218.87	4.83	4.1	41.6	15	6	590
FSN1A	33	34	3.42	0.53	31.75	0.13	0.03	60.21	216.01	4.72	4	40.3	14	7	570
FSN1A	34	35	3.07	0.49	27.94	0.13	0.03	52.34	233.18	4.83	4.1	43.2	15	6	600
FSN1A	35	36	3.30	0.35	26.67	0.12	0.02	49.34	231.75	4.83	4.1	42.4	14	7	590
FSN1A	36	37	2.85	0.34	25.40	0.13	0.02	46.14	241.76	4.72	4	43.6	15	6	600
FSN1A	37	38	1.94	0.33	16.51	0.09	0.01	30.49	145.91	6.60	5.6	39	11	2.5	430
FSN1A	38	39	2.16	0.30	15.24	0.07	0.01	28.72	144.48	6.49	5.5	35.5	11	10	430
FSN1A	39	40	2.16	0.24	16.51	0.08	0.01	30.77	154.50	5.19	4.4	34.6	10	6	430
FSN1A	40	41	2.05	0.27	16.51	0.08	0.01	30.63	154.50	5.19	4.4	29.6	11	6	430
FSN1A	41	42	1.94	0.23	15.24	0.06	0.01	27.90	143.05	4.95	4.2	28.9	9	6	380

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN1A	42	43	1.71	0.24	12.70	0.05	0.01	24.15	157.36	4.83	4.1	26.6	9	9	390
FSN1A	43	44	1.48	0.17	12.70	0.04	0.01	24.00	173.09	5.07	4.3	24.3	10	6	400
FSN1A	44	45	1.59	0.18	12.70	0.06	0.01	27.01	206.00	5.90	5	25.1	10	7	430
FSN1A	45	46	1.48	0.17	12.70	0.07	0.01	34.12	190.26	5.31	4.5	21.7	8	2.5	340
FSN1A	46	47	1.37	0.18	11.43	0.05	0.01	34.51	144.48	5.19	4.4	15.9	7	2.5	260
FSN1A	47	48	1.37	0.18	13.97	0.05	0.01	44.14	198.84	5.78	4.9	19.7	9	5	360
FSN1A	48	49	1.02	0.15	11.43	0.06	0.01	38.08	144.48	5.31	4.5	15.1	6	2.5	250
FSN1A	49	50	1.25	0.14	12.70	0.09	0.02	40.02	138.76	5.42	4.6	13.7	7	10	260
FSN1A	50	51.2	1.71	0.23	17.78	0.06	0.01	41.58	107.29	4.48	3.8	11.8	5	9	200
FSN1A	51.2	52.4	6.83	0.90	90.17	0.17	0.03	168.34	81.54	4.83	4.1	8.4	4	11	150
FSN1A	52.4	53.55	86.54	12.79	1236.92	0.97	0.15	1928.54	108.72	8.14	6.9	10.3	5	31	220
FSN1A	53.55	54.3	17.99	2.76	255.26	0.17	0.03	382.71	31.47	2.36	2	3.6	1	68	60
FSN1A	54.3	55	14.57	2.18	247.64	0.25	0.07	389.41	61.51	3.18	2.7	6.7	3	1320	120
FSN1A	55	56	9.34	1.27	158.74	0.15	0.05	250.46	35.76	3.07	2.6	4.2	2	321	70
FSN1A	56	57	4.10	0.60	69.85	0.08	0.02	113.33	34.33	4.48	3.8	3.3	2	9	70
FSN1A	57	58	5.12	0.77	82.55	0.09	0.03	134.94	40.05	4.83	4.1	5.6	2	54	80
FSN1A	58	59	1.94	0.25	29.21	0.03	0.01	50.85	14.31	4.13	3.5	2.2	1	18	50
FSN1A	59	60	10.13	1.52	165.09	0.20	0.05	267.31	98.71	5.07	4.3	7.9	5	28	180
FSN1A	60	61	28.35	4.28	472.42	0.35	0.06	701.85	131.61	6.01	5.1	10.4	7	1355	270
FSN1A	61	62	14.80	2.32	299.71	0.27	0.07	463.71	183.11	7.08	6	21.8	7	73	280
FSN1A	62	63	9.11	1.28	179.06	0.24	0.07	304.73	144.48	6.60	5.6	18.9	6	438	230
FSN1A	63	64	2.73	0.42	55.88	0.08	0.02	101.36	70.10	3.42	2.9	5.7	3	52	90
FSN1A	64	65	2.16	0.34	41.91	0.05	0.02	71.23	45.78	2.59	2.2	4	2	42	60
FSN1A	65	66	1.71	0.28	30.48	0.04	0.01	53.20	52.93	2.95	2.5	7.5	2	8	50
FSN1A	66	67	1.48	0.20	25.40	0.03	0.01	43.49	31.47	2.36	2	5.9	1	138	50
FSN1A	67	68	2.51	0.34	49.53	0.06	0.02	84.94	78.68	2.95	2.5	8.9	2	21	80
FSN1A	68	69	2.28	0.31	40.64	0.05	0.01	71.73	77.25	3.54	3	5	3	33	110
FSN1A	69	70	2.85	0.36	48.26	0.06	0.02	85.04	143.05	4.13	3.5	10.6	7	53	300
FSN1A	70	71.1	1.59	0.28	29.21	0.05	0.01	54.96	84.40	3.07	2.6	6.1	4	216	160
FSN1A	71.1	72	0.68	0.09	8.89	0.01	0.00	16.22	11.44	1.89	1.6	0.9	1	108	20
FSN1A	72	73	1.14	0.17	17.78	0.03	0.01	33.75	38.62	2.95	2.5	3.9	1	2.5	40
FSN1A	73	74	0.68	0.08	7.62	0.00	0.00	13.47	2.86	1.77	1.5	0.3	0.5	5	10
FSN1A	74	75	0.80	0.10	8.89	0.01	0.00	16.75	28.61	1.77	1.5	2.5	1	149	30
FSN1A	75	76	0.91	0.14	13.97	0.03	0.01	27.10	48.64	2.00	1.7	3.2	2	56	80
FSN1A	76	77	1.71	0.22	36.83	0.08	0.02	75.17	71.53	3.30	2.8	7.6	2	969	70
FSN1A	77	78	0.91	0.11	15.24	0.02	0.01	29.03	21.46	2.00	1.7	1.3	1	5	50
FSN1A	78	79	0.91	0.10	10.16	0.01	0.00	19.11	21.46	2.00	1.7	2.4	1	132	30
FSN1A	79	80	1.71	0.19	26.67	0.06	0.01	52.14	193.12	3.77	3.2	14.9	5	1130	150
FSN1A	80	81	1.94	0.24	29.21	0.07	0.02	57.00	211.72	4.01	3.4	16.6	5	358	160
FSN1A	81	82	0.80	0.08	12.70	0.01	0.00	23.09	27.18	1.89	1.6	1.7	1	104	40
FSN1A	82	83	0.68	0.10	7.62	0.00	0.00	11.92	5.72	1.53	1.3	0.3	1	15	20
FSN1A	83	83.95	1.48	0.19	17.78	0.02	0.00	30.62	41.49	3.54	3	2.5	6	597	250
FSN1A	83.95	85	2.05	0.26	26.67	0.03	0.01	47.06	80.11	3.54	3	5.3	24	120	960
FSN1A	85	86	1.37	0.18	17.78	0.07	0.01	32.72	77.25	2.12	1.8	9.4	5	329	200
FSN1A	86	87	2.05	0.27	34.29	0.15	0.03	63.32	154.50	3.18	2.7	12.2	3	404	110
FSN1A	87	88	1.37	0.20	25.40	0.07	0.01	47.47	177.39	2.71	2.3	5.1	5	733	140
FSN1A	88	89	1.71	0.23	43.18	0.21	0.06	90.94	200.27	2.95	2.5	52	4	120	110
FSN1A	89	90	1.94	0.35	55.88	0.35	0.09	124.43	278.95	2.95	2.5	82.9	4	46	120
FSN1A	90	91	1.82	0.30	62.23	0.38	0.10	136.25	314.72	2.24	1.9	90.5	4	330	110
FSN1A	91	92	0.34	0.03	6.35	0.01	0.00	9.45	10.01	0.47	0.4	1.3	0.5	341	10
FSN1A	92	93	0.34	0.03	6.35	0.01	0.00	9.23	11.44	0.59	0.5	1.3	1	27	20
FSN1A	93	94.2	1.25	0.17	26.67	0.04	0.01	43.20	100.14	1.53	1.3	5.1	8	83	360
FSN1A	94.2	95.4	1.48	0.24	34.29	0.05	0.01	56.73	140.19	2.12	1.8	7.7	10	92	420
FSN1A	95.4	96.6	0.91	0.10	22.86	0.05	0.01	38.57	98.71	2.12	1.8	9.6	4	85	140
FSN1A	96.6	97.6	0.91	0.16	21.59	0.07	0.02	40.60	165.94	1.89	1.6	11.2	3	350	120
FSN1A	97.6	98.8	0.80	0.17	15.24	0.03	0.01	25.54	62.94	1.30	1.1	7	2	2640	60

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN1A	98.8	99.95	0.91	0.15	16.51	0.03	0.01	26.55	41.49	1.42	1.2	5.6	1	325	50
FSN1A	99.95	101	0.80	0.09	11.43	0.01	0.00	17.93	12.87	0.71	0.6	2.7	0.5	2570	10
FSN1A	101	103	1.25	0.19	21.59	0.08	0.02	40.19	87.26	1.30	1.1	19.7	1	988	40
FSN1A	103	105	0.68	0.10	12.70	0.02	0.01	19.72	25.75	0.59	0.5	4.8	1	233	30
FSN1A	105	108	2.85	0.35	49.53	0.21	0.05	98.84	329.02	2.59	2.2	30.8	7	2560	200
FSN1A	108	108.95	1.25	0.20	24.13	0.05	0.01	41.15	108.72	1.42	1.2	9.8	2	23	70
FSN1A	108.95	111.95	0.57	0.09	12.70	0.01	0.00	19.09	32.90	0.83	0.7	2.1	1	87	30
FSN1A	111.95	113	0.68	0.13	15.24	0.02	0.00	22.40	24.32	0.83	0.7	2.7	1	313	50
FSN1A	113	114	0.91	0.14	16.51	0.03	0.01	26.53	48.64	1.06	0.9	5	2	751	80
FSN1A	114	114.7	0.57	0.09	10.16	0.01	0.00	13.96	8.58	0.47	0.4	1	1	43	20
FSN1A	114.7	116.3	0.80	0.13	12.70	0.02	0.00	19.65	34.33	0.71	0.6	3.3	1	6240	30
FSN1A	116.3	117.3	2.16	0.32	55.88	0.22	0.05	107.55	364.78	2.59	2.2	51.7	5	4270	180
FSN1A	117.3	118.1	0.80	0.15	15.24	0.03	0.01	24.84	58.65	0.71	0.6	6.6	1	640	40
FSN1A	118.1	119	0.57	0.09	10.16	0.01	0.00	14.82	17.17	0.94	0.8	2.1	1	48	20
FSN1A	119	120.1	0.46	0.10	7.62	0.01	0.00	10.83	10.01	0.71	0.6	1.4	0.5	123	20
FSN30A	0	1.2	5.58	0.81	57.15	0.10	0.01	93.77	526.43	10.61	9	77.6	28	5	1210
FSN30A	1.2	2.4	4.78	0.76	55.88	0.12	0.02	92.41	539.31	10.85	9.2	78.8	29	5	1330
FSN30A	2.4	3.6	5.47	0.80	54.61	0.13	0.02	94.04	472.07	9.79	8.3	77.2	26	5	1070
FSN30A	3.6	4.8	5.01	0.80	57.15	0.15	0.02	104.20	433.45	8.49	7.2	69.2	25	5	990
FSN30A	4.8	6	5.01	0.73	55.88	0.16	0.03	104.40	420.57	8.25	7	64.4	24	2.5	980
FSN30A	6	7	4.78	0.69	55.88	0.18	0.03	107.70	410.56	8.25	7	64.2	21	2.5	850
FSN30A	7	8	4.78	0.74	54.61	0.18	0.03	104.74	454.91	8.14	6.9	65.6	23	2.5	950
FSN30A	8	9	4.44	0.67	52.07	0.20	0.04	99.80	474.93	8.73	7.4	67.1	23	2.5	960
FSN30A	9	10	3.99	0.60	41.91	0.21	0.03	80.99	453.48	9.55	8.1	60.4	21	2.5	910
FSN30A	10	11.1	2.62	0.41	26.67	0.19	0.03	53.11	351.91	10.02	8.5	45.3	17	2.5	680
FSN30A	11.1	12.3	2.51	0.40	25.40	0.19	0.03	51.46	363.35	9.32	7.9	45.2	18	2.5	710
FSN30A	12.3	13.4	2.28	0.31	22.86	0.16	0.03	47.03	331.88	9.67	8.2	39.9	16	2.5	630
FSN30A	13.4	14.6	2.16	0.27	24.13	0.16	0.03	48.23	347.62	9.20	7.8	37.6	17	2.5	680
FSN30A	14.6	15.3	2.05	0.31	22.86	0.19	0.03	47.29	436.31	7.90	6.7	35.3	19	2.5	730
FSN30A	15.3	16	2.28	0.38	24.13	0.18	0.03	48.12	477.80	7.55	6.4	36.1	21	2.5	760
FSN30A	16	16.8	2.96	0.43	30.48	0.24	0.04	59.41	547.89	6.37	5.4	46.2	22	2.5	820
FSN30A	16.8	17.6	2.39	0.35	27.94	0.20	0.03	54.74	547.89	6.37	5.4	48.6	22	2.5	760
FSN30A	17.6	18.2	1.94	0.25	21.59	0.15	0.03	43.30	570.78	6.37	5.4	29.2	23	2.5	850
FSN30A	18.2	19	2.85	0.43	29.21	0.20	0.03	58.51	749.60	8.49	7.2	40	29	2.5	1080
FSN30A	19	20	2.05	0.34	43.18	0.25	0.04	83.85	738.15	7.67	6.5	29	29	2.5	1000
FSN30A	20	21	1.82	0.27	45.72	0.29	0.04	86.57	723.85	10.02	8.5	25.9	30	2.5	1020
FSN30A	21	22	1.82	0.24	46.99	0.42	0.06	87.42	731.00	10.97	9.3	19.6	28	2.5	920
FSN30A	22	23	1.71	0.30	36.83	0.37	0.05	68.39	725.28	9.32	7.9	21.3	27	2.5	920
FSN30A	23	24	1.71	0.28	34.29	0.30	0.04	63.00	742.44	10.26	8.7	29.1	28	2.5	950
FSN30A	24	25	2.05	0.25	36.83	0.41	0.07	86.61	1274.60	17.57	14.9	144	31	2.5	1150
FSN30A	25	26	3.53	0.43	82.55	0.90	0.17	214.84	2589.25	42.69	36.2	508	20	2.5	840
FSN30A	26	27	2.96	0.39	64.77	0.63	0.12	172.93	1316.08	30.54	25.9	265	20	2.5	900
FSN30A	27	28	1.37	0.20	22.86	0.20	0.03	56.44	678.07	8.37	7.1	48	25	2.5	940
FSN30A	28	29	0.46	0.06	6.35	0.01	0.00	11.84	251.77	2.00	1.7	7.9	9	2.5	350
FSN30A	29	30	1.37	0.19	20.32	0.19	0.03	48.38	287.54	5.90	5	18	14	2.5	550
FSN30A	30	31	0.91	0.13	15.24	0.09	0.02	34.38	660.90	6.37	5.4	26.3	28	2.5	950
FSN30A	31	32	0.57	0.09	12.70	0.09	0.02	33.87	316.15	3.42	2.9	20.1	12	2.5	470
FSN30A	32	33	1.37	0.18	19.05	0.09	0.01	37.70	424.87	5.78	4.9	18.2	17	2.5	620
FSN30A	33	34	0.80	0.11	11.43	0.08	0.01	23.08	326.16	2.83	2.4	26	14	2.5	500
FSN30A	34	35	4.78	0.75	40.64	0.11	0.01	70.79	389.10	5.31	4.5	18.9	26	2.5	1090
FSN30A	35	36.1	3.99	0.66	52.07	0.20	0.03	108.15	690.94	9.79	8.3	73.1	40	2.5	1990
FSN30A	36.1	37.25	4.67	0.73	64.77	0.09	0.02	113.23	552.18	12.85	10.9	84	36	2.5	2070
FSN30A	37.25	38	2.62	0.36	52.07	0.31	0.06	110.95	1012.81	21.58	18.3	189	16	2.5	950
FSN30A	38	39	3.07	0.39	63.50	0.47	0.09	138.66	1738.09	23.94	20.3	624	19	5	1220
FSN30A	39	40	1.94	0.22	38.10	0.26	0.04	83.24	886.93	15.68	13.3	124	19	2.5	1020
FSN30A	40	41	4.44	0.55	90.17	0.48	0.09	184.54	1217.38	32.31	27.4	230	25	2.5	1370

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN30A	41	42	2.51	0.33	54.61	0.47	0.08	123.73	931.27	21.34	18.1	176.5	14	2.5	770
FSN30A	42	43	2.85	0.38	53.34	0.41	0.08	119.72	855.45	16.39	13.9	165	13	2.5	710
FSN30A	43	44	5.47	0.66	124.45	0.77	0.16	280.08	1723.78	35.14	29.8	301	33	2.5	1610
FSN30A	44	45	1.82	0.17	36.83	0.18	0.04	79.98	413.42	10.73	9.1	84.1	9	2.5	490
FSN30A	45	46	3.19	0.39	66.04	0.36	0.07	147.43	935.56	20.28	17.2	173	19	5	980
FSN30A	46	46.95	2.16	0.39	44.45	0.27	0.06	105.68	882.63	19.81	16.8	175.5	20	2.5	1030
FSN30A	46.95	48	1.37	0.10	33.02	0.08	0.02	57.69	317.58	2.95	2.5	17.9	10	2.5	370
FSN30A	48	49	3.30	0.39	71.12	0.08	0.02	109.89	236.04	1.42	1.2	9	7	2.5	240
FSN30A	49	50	12.98	2.04	259.07	0.16	0.04	366.03	236.04	1.65	1.4	10.8	7	2.5	240
FSN30A	50	51	1.94	0.28	43.18	0.06	0.02	70.14	211.72	1.42	1.2	5.7	7	2.5	240
FSN30A	51	52	1.82	0.20	41.91	0.07	0.02	68.72	183.11	0.83	0.7	2.2	7	2.5	240
FSN30A	52	53	2.05	0.27	46.99	0.06	0.02	76.96	217.44	1.30	1.1	3.6	9	2.5	310
FSN30A	53	54	3.19	0.47	77.47	0.14	0.04	133.94	270.37	1.77	1.5	7.6	12	2.5	430
FSN30A	54	55	6.83	0.97	115.56	0.16	0.04	190.82	437.74	1.65	1.4	11.3	18	2.5	730
FSN30A	55	56	7.63	1.16	156.20	0.23	0.06	261.63	390.53	1.89	1.6	24.9	19	2.5	640
FSN30A	56	57	8.65	1.14	181.60	0.29	0.08	309.25	354.77	2.12	1.8	13.2	16	2.5	560
FSN30A	57	58	6.83	0.94	148.58	0.22	0.06	247.83	363.35	2.59	2.2	14.2	15	2.5	560
FSN30A	58	59	6.49	0.77	138.42	0.26	0.06	241.18	354.77	3.30	2.8	16.5	15	2.5	550
FSN30A	59	60	2.28	0.27	57.15	0.15	0.04	112.39	401.98	5.78	4.9	19.2	19	2.5	670
FSN30A	60	61	1.82	0.18	43.18	0.12	0.03	87.56	496.39	7.67	6.5	26.1	21	16	770
FSN30A	61	62	2.16	0.19	40.64	0.12	0.03	82.55	450.62	6.37	5.4	28.9	17	5	640
FSN30A	62	63	3.87	0.66	73.66	0.13	0.04	130.49	493.53	6.60	5.6	24.9	27	2.5	1100
FSN30A	63	64	1.37	0.19	27.94	0.06	0.02	54.55	124.46	4.36	3.7	12.7	8	5	360
FSN30A	64	65	1.48	0.10	21.59	0.05	0.01	42.27	165.94	6.25	5.3	15.3	9	1065	370
FSN30A	65	66	2.05	0.19	50.80	0.14	0.04	98.53	294.69	5.54	4.7	17.6	9	22	380
FSN30A	66	67	1.02	0.09	25.40	0.07	0.02	47.96	167.37	3.42	2.9	11.1	5	204	210
FSN30A	67	68	1.02	0.11	16.51	0.03	0.01	30.57	101.57	3.66	3.1	14.3	7	358	360
FSN30A	68	69	0.46	0.03	6.35	0.02	0.00	11.81	50.07	1.65	1.4	6.6	2	68	90
FSN30A	69	70	1.02	0.06	15.24	0.04	0.01	31.73	154.50	3.30	2.8	13.5	6	17	240
FSN30A	70	71	1.37	0.17	17.78	0.05	0.01	35.19	183.11	3.54	3	29.1	5	13	260
FSN30A	71	72	4.55	0.59	88.90	0.13	0.03	163.26	686.65	7.43	6.3	70	22	6	1030
FSN30A	72	73	2.16	0.27	26.67	0.06	0.01	50.43	361.92	5.19	4.4	41.5	12	19	570
FSN30A	73	74	2.39	0.26	39.37	0.09	0.02	77.07	306.13	6.60	5.6	42.6	15	20	650
FSN30A	74	75	3.53	0.55	91.44	0.33	0.08	197.76	683.79	3.77	3.2	30.3	26	51	870
FSN30A	75	75.7	4.55	0.65	109.21	0.29	0.07	219.31	543.60	4.95	4.2	70.6	22	7	850
FSN30A	75.7	76.4	6.15	0.81	128.26	0.20	0.05	225.93	330.45	4.60	3.9	87.9	22	2.5	1490
FSN30A	76.4	77	8.31	1.15	105.40	0.23	0.04	191.71	148.77	5.78	4.9	197.5	64	2.5	4890
FSN30A	77	78	5.24	0.71	58.42	0.13	0.03	106.94	296.12	3.77	3.2	74.4	57	2.5	3170
FSN30A	78	79	4.67	0.63	58.42	0.11	0.02	106.03	360.49	5.54	4.7	42.6	47	2.5	2470
FSN30A	79	80	4.55	0.65	62.23	0.09	0.02	110.10	237.47	6.49	5.5	33	39	2.5	2450
FSN30A	80	81	2.16	0.20	33.02	0.18	0.04	67.69	484.95	17.57	14.9	143	9	6	570
FSN30A	81	82.2	3.64	0.41	82.55	1.00	0.21	200.18	2138.64	54.48	46.2	698	11	6	620
FSN30A	82.2	83.4	2.28	0.27	44.45	0.35	0.07	99.25	859.75	21.82	18.5	189.5	11	139	580
FSN30A	83.4	84	0.68	0.08	8.89	0.04	0.01	18.32	157.36	5.19	4.4	18.5	2	2.5	160
FSN30A	84	85	2.96	0.41	33.02	0.06	0.01	55.58	446.32	4.25	3.6	36.7	27	53	1530
FSN30A	85	86	2.73	0.45	33.02	0.03	0.01	53.16	300.41	3.66	3.1	43.2	23	13	1260
FSN30A	86	87.2	1.71	0.22	21.59	0.07	0.01	40.32	211.72	3.89	3.3	42.8	13	2.5	750
FSN30A	87.2	88.4	0.46	0.03	7.62	0.04	0.01	14.95	81.54	3.42	2.9	22.6	2	9	110
FSN30A	88.4	89.6	0.34	0.03	5.08	0.02	0.00	9.53	72.96	3.07	2.6	10.2	2	2.5	110
FSN30A	89.6	90.8	1.59	0.25	26.67	0.07	0.01	52.20	353.34	5.07	4.3	24.4	18	138	850
FSN30A	90.8	92	1.37	0.17	24.13	0.14	0.03	51.18	437.74	11.08	9.4	55.3	7	115	390
FSN30A	92	93.1	1.37	0.19	25.40	0.14	0.03	52.40	547.89	7.78	6.6	50.7	10	27	430
FSN30A	93.1	94.3	1.25	0.17	27.94	0.16	0.03	60.65	506.41	10.73	9.1	57.3	5	21	280
FSN30A	94.3	95.5	1.82	0.30	34.29	0.21	0.04	74.30	526.43	6.13	5.2	42	20	131	770
FSN30A	95.5	96.7	2.28	0.36	48.26	0.31	0.06	100.58	761.04	10.97	9.3	54.7	27	2.5	950
FSN30A	96.7	97.9	0.46	0.06	6.35	0.03	0.00	12.82	75.82	3.77	3.2	9.2	2	2.5	90

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN30A	97.9	99.1	0.68	0.16	15.24	0.05	0.01	29.33	171.66	3.66	3.1	13	7	7	290
FSN30A	99.1	100.3	0.34	0.06	3.81	0.02	0.00	9.01	48.64	2.00	1.7	4.8	2	62	80
FSN30A	100.3	101.5	0.57	0.08	10.16	0.04	0.01	20.40	115.87	4.95	4.2	11.4	4	2.5	190
FSN30A	101.5	102.6	0.68	0.08	13.97	0.06	0.01	28.73	157.36	5.90	5	14.6	5	2.5	200
FSN30A	102.6	103.6	2.85	0.32	53.34	0.21	0.04	109.46	417.71	3.54	3	12.6	19	735	630
FSN30A	103.6	104.6	2.39	0.35	34.29	0.14	0.03	73.82	423.44	2.36	2	11	21	67	830
FSN30A	104.6	105.6	2.16	0.30	26.67	0.09	0.02	51.61	125.89	0.94	0.8	14.6	25	22	1230
FSN30A	105.6	106.8	1.25	0.16	16.51	0.06	0.01	32.72	161.65	3.30	2.8	13	9	19	430
FSN30A	106.8	108	3.76	0.61	73.66	0.25	0.05	146.29	645.17	4.95	4.2	24.8	33	124	1210
FSN30A	108	109	1.02	0.23	17.78	0.05	0.01	34.89	211.72	2.24	1.9	7.4	15	100	620
FSN30A	109	110	1.02	0.19	13.97	0.05	0.01	28.03	200.27	1.30	1.1	10.2	15	188	730
FSN30A	110	110.8	1.14	0.20	13.97	0.05	0.01	28.04	197.41	2.12	1.8	7.9	12	88	500
FSN30A	110.8	111.8	0.34	0.03	5.08	0.02	0.00	10.31	68.67	3.89	3.3	4.4	1	2.5	60
FSN30A	111.8	113	0.80	0.08	13.97	0.09	0.02	30.17	283.24	11.44	9.7	25.6	4	2.5	150
FSN30A	113	114	1.02	0.19	15.24	0.05	0.01	31.27	204.57	2.48	2.1	10.3	12	5	470
FSN30A	114	115	1.94	0.26	21.59	0.06	0.01	43.30	313.29	2.00	1.7	8.2	18	2.5	780
FSN30A	115	116	1.37	0.26	16.51	0.05	0.01	33.89	288.97	1.18	1	5.4	14	2.5	600
FSN30A	116	117	1.48	0.25	19.05	0.06	0.01	39.95	346.19	0.71	0.6	5.7	18	19	720
FSN30A	117	118	1.71	0.31	22.86	0.07	0.01	45.54	363.35	0.94	0.8	9.8	20	431	790
FSN30A	118	119	2.62	0.42	38.10	0.07	0.02	72.28	354.77	4.01	3.4	33.2	30	17	1420
FSN30A	119	120	3.76	0.67	58.42	0.17	0.04	117.97	625.14	1.89	1.6	13.3	27	10	1020
FSN30A	120	121	3.53	0.55	53.34	0.14	0.03	106.01	562.20	3.42	2.9	14.8	26	2.5	1010
FSN30A	121	122	0.91	0.14	13.97	0.04	0.01	27.72	171.66	5.66	4.8	19.4	6	931	280
FSN30A	122	123	0.91	0.11	15.24	0.05	0.01	29.49	177.39	4.83	4.1	15.2	7	5	330
FSN30A	123	124	2.05	0.25	34.29	0.07	0.01	65.24	432.02	4.95	4.2	30.4	19	2.5	880
FSN30A	124	125	2.28	0.32	38.10	0.10	0.02	71.56	527.86	11.32	9.6	48.4	18	8	840
FSN30A	125	126	1.59	0.23	29.21	0.05	0.01	50.60	218.87	4.72	4	25.7	19	2.5	840
FSN30A	126	127	0.91	0.09	8.89	0.02	0.00	16.76	103.00	7.67	6.5	16.8	5	2.5	260
FSN30A	127	128	3.99	0.51	106.67	0.15	0.03	185.99	390.53	10.85	9.2	56.2	16	2.5	700
FSN30A	128	129	1.48	0.22	24.13	0.08	0.02	49.15	363.35	6.96	5.9	30.6	10	12	480
FSN30A	129	130	2.73	0.36	25.40	0.05	0.01	45.25	281.81	9.32	7.9	35.6	10	2.5	510
FSN30A	130	131	2.05	0.32	22.86	0.03	0.01	38.52	114.44	5.42	4.6	14.8	9	2.5	420
FSN30A	131	132	0.91	0.13	12.70	0.03	0.01	23.45	101.57	3.54	3	8.7	5	2.5	200
FSN30A	132	133	0.34	0.03	5.08	0.01	0.00	9.42	62.94	2.48	2.1	6.4	3	2.5	130
FSN30A	133	134	0.46	0.09	7.62	0.02	0.00	13.78	72.96	2.48	2.1	6.8	4	2.5	170
FSN30A	134	135	1.59	0.20	25.40	0.09	0.02	48.38	234.61	5.54	4.7	24.4	9	2.5	460
FSN30A	135	136	0.57	0.07	6.35	0.02	0.00	11.46	85.83	3.77	3.2	12.8	4	2.5	240
FSN9A	0	1	4.21	0.56	44.45	0.04	0.01	69.23	234.61	6.84	5.8	49.7	19	2.5	730
FSN9A	1	2	4.33	0.71	44.45	0.03	0.00	68.40	237.47	7.08	6	50.8	20	2.5	770
FSN9A	2	3	5.01	0.69	46.99	0.03	0.00	72.29	241.76	7.43	6.3	53.1	20	5	820
FSN9A	3	4	4.67	0.64	45.72	0.04	0.00	70.08	238.90	7.43	6.3	52.2	21	5	800
FSN9A	4	5	4.78	0.64	43.18	0.04	0.01	68.72	223.16	7.08	6	49.9	20	5	750
FSN9A	5	6	4.33	0.71	41.91	0.04	0.00	64.66	201.70	6.96	5.9	49.6	20	2.5	710
FSN9A	6	7	4.33	0.58	43.18	0.05	0.01	67.80	194.55	6.37	5.4	47.4	18	2.5	670
FSN9A	7	8	3.87	0.51	39.37	0.05	0.01	61.51	183.11	5.90	5	43.4	17	2.5	650
FSN9A	8	9	4.21	0.58	40.64	0.05	0.01	64.05	165.94	5.78	4.9	42.7	17	2.5	600
FSN9A	9	10	4.10	0.58	43.18	0.06	0.01	68.30	167.37	5.42	4.6	41.6	17	2.5	610
FSN9A	10	11	4.33	0.74	41.91	0.06	0.01	68.36	153.07	5.31	4.5	40	16	2.5	580
FSN9A	11	12	4.10	0.64	41.91	0.06	0.01	69.23	158.79	5.66	4.8	40.8	15	2.5	580
FSN9A	12	13	3.76	0.63	38.10	0.05	0.01	61.06	177.39	5.42	4.6	42.1	16	2.5	610
FSN9A	13	14	2.96	0.34	31.75	0.06	0.01	51.27	154.50	4.83	4.1	36.8	13	2.5	470
FSN9A	14	15	2.62	0.42	24.13	0.05	0.01	40.93	110.15	4.48	3.8	31.3	10	2.5	370
FSN9A	15	16	2.16	0.25	19.05	0.05	0.01	33.45	105.86	4.25	3.6	27.6	8	2.5	310
FSN9A	16	17	1.82	0.18	17.78	0.04	0.01	30.60	101.57	3.89	3.3	23.9	8	2.5	320
FSN9A	17	18	1.37	0.19	15.24	0.04	0.01	25.91	104.43	3.18	2.7	19.4	7	2.5	260
FSN9A	18	19	1.14	0.15	12.70	0.03	0.01	21.73	95.85	3.07	2.6	14.9	5	2.5	200

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN9A	19	20	0.68	0.14	7.62	0.02	0.00	13.11	80.11	2.24	1.9	10.9	4	2.5	130
FSN9A	20	21	0.68	0.07	6.35	0.02	0.00	11.43	108.72	2.36	2	11.7	4	2.5	160
FSN9A	21	22	0.57	0.11	7.62	0.03	0.00	14.37	248.91	2.83	2.4	20.4	7	2.5	250
FSN9A	22	23	0.80	0.14	10.16	0.03	0.00	18.60	271.80	3.42	2.9	21	10	2.5	390
FSN9A	23	24	1.02	0.24	12.70	0.03	0.00	22.29	218.87	3.42	2.9	17	11	2.5	450
FSN9A	24	25	1.02	0.18	11.43	0.03	0.00	19.55	211.72	3.07	2.6	15.4	9	2.5	350
FSN9A	25	26	0.46	0.06	3.81	0.01	0.00	8.23	98.71	2.36	2	7.8	3	2.5	130
FSN9A	26	27	0.34	0.03	3.81	0.01	0.00	7.14	50.07	1.77	1.5	5.5	2	2.5	80
FSN9A	27	28	0.34	0.06	1.90	0.01	0.00	4.34	27.18	1.18	1	3.2	1	2.5	50
FSN9A	28	29	0.23	0.03	1.90	0.01	0.00	4.35	27.18	1.18	1	3.2	1	2.5	50
FSN9A	29	30	0.11	0.03	1.90	0.00	0.00	3.43	12.87	1.06	0.9	1.5	1	2.5	30
FSN9A	30	31	0.11	0.03	1.90	0.00	0.00	3.28	10.01	0.83	0.7	1.5	1	2.5	20
FSN9A	31	32	0.23	0.03	1.90	0.01	0.00	3.85	22.89	1.06	0.9	3.8	1	2.5	50
FSN9A	32	33	1.14	0.19	10.16	0.11	0.00	20.41	184.54	2.00	1.7	13.4	10	5	440
FSN9A	33	34	0.34	0.03	1.90	0.01	0.00	4.35	27.18	0.83	0.7	1.9	1	2.5	60
FSN9A	34	35	0.23	0.03	1.90	0.00	0.00	3.58	8.58	0.71	0.6	1.1	0.5	2.5	10
FSN9A	35	36	0.23	0.03	1.90	0.00	0.00	3.85	10.01	0.71	0.6	1	0.5	15	10
FSN9A	36	37	0.23	0.03	1.90	0.00	0.00	4.32	10.01	0.71	0.6	1.2	0.5	2.5	20
FSN9A	37	38	0.23	0.03	1.90	0.00	0.00	4.03	5.72	0.83	0.7	1	0.5	2.5	10
FSN9A	38	39	1.02	0.17	10.16	0.06	0.00	19.64	214.58	2.12	1.8	20.3	7	12	260
FSN9A	39	40	1.71	0.22	16.51	0.06	0.00	31.22	310.42	3.18	2.7	11.6	16	2.5	680
FSN9A	40	41	0.46	0.08	5.08	0.02	0.00	10.68	85.83	2.36	2	5.2	6	2.5	210
FSN9A	41	42	0.46	0.07	5.08	0.03	0.00	10.57	88.69	2.12	1.8	8.7	4	2.5	170
FSN9A	42	43	0.34	0.06	1.90	0.01	0.00	4.66	28.61	1.18	1	3.2	1	2.5	50
FSN9A	43	44	0.23	0.03	1.90	0.01	0.00	3.43	7.15	1.06	0.9	0.9	1	2.5	20
FSN9A	44	45	0.34	0.03	1.90	0.02	0.00	4.82	31.47	1.77	1.5	2.5	1	2.5	60
FSN9A	45	46	1.02	0.19	7.62	0.03	0.00	14.69	120.16	3.30	2.8	3.1	8	6	340
FSN9A	46	47	1.37	0.24	11.43	0.02	0.00	19.65	101.57	2.71	2.3	1.5	10	2.5	420
FSN9A	47	48	0.34	0.03	1.90	0.01	0.00	4.98	20.03	1.42	1.2	1.7	1	5	60
FSN9A	48	49	1.02	0.14	7.62	0.03	0.00	15.88	95.85	2.48	2.1	7.8	5	2.5	230
FSN9A	49	50	0.34	0.03	1.90	0.01	0.00	4.45	7.15	1.30	1.1	0.9	0.5	2.5	20
FSN9A	50	51	0.46	0.08	1.90	0.01	0.00	5.37	5.72	1.53	1.3	1.6	0.5	63	10
FSN9A	51	52	0.80	0.09	5.08	0.01	0.00	10.07	8.58	1.65	1.4	6.5	1	6	30
FSN9A	52	53	1.02	0.15	8.89	0.02	0.00	18.23	31.47	1.77	1.5	4.8	2	18	80
FSN9A	53	54	1.37	0.26	20.32	0.05	0.01	43.55	90.12	2.71	2.3	9.7	5	85	200
FSN9A	54	55	0.91	0.11	11.43	0.03	0.01	24.09	42.92	1.53	1.3	4.4	2	27	90
FSN9A	55	56	0.34	0.06	3.81	0.01	0.00	8.04	10.01	1.30	1.1	2.2	0.5	8	10
FSN9A	56	57	0.34	0.06	3.81	0.01	0.00	7.40	11.44	1.18	1	2	0.5	868	10
FSN9A	57	57.8	0.34	0.08	3.81	0.01	0.00	7.50	7.15	1.18	1	1	0.5	564	10
FSN9A	57.8	59	3.19	0.38	64.77	0.26	0.05	135.41	437.74	5.19	4.4	38.6	7	35	230
FSN9A	59	60	1.25	0.20	29.21	0.10	0.02	57.86	137.33	3.30	2.8	11.9	3	53	100
FSN9A	60	60.8	3.07	0.32	64.77	0.19	0.06	137.23	316.15	4.72	4	25.6	7	138	200
FSN9A	60.8	61.5	4.67	0.55	110.48	0.36	0.10	224.94	669.49	7.43	6.3	48.5	9	6	290
FSN9A	61.5	62.2	1.71	0.24	30.48	0.09	0.02	55.36	85.83	5.42	4.6	4.9	4	322	140
FSN9A	62.2	63	1.37	0.23	17.78	0.05	0.01	30.44	25.75	5.19	4.4	1.9	1	17	40
FSN9A	63	64	0.91	0.09	10.16	0.03	0.00	18.16	18.60	2.71	2.3	1.6	1	7	30
FSN9A	64	65	1.14	0.13	16.51	0.05	0.01	33.59	68.67	2.95	2.5	5.3	2	16	50
FSN9A	65	66	3.19	0.42	59.69	0.20	0.05	123.82	339.03	8.25	7	27.6	7	2.5	220
FSN9A	66	67	1.48	0.30	15.24	0.05	0.01	30.13	35.76	3.89	3.3	3.7	2	49	50
FSN9A	67	68	1.37	0.19	11.43	0.02	0.00	22.26	11.44	3.18	2.7	2	1	5	20
FSN9A	68	69	1.37	0.22	21.59	0.10	0.03	49.13	171.66	4.01	3.4	19.6	3	2.5	90
FSN9A	69	70	1.25	0.15	12.70	0.06	0.01	27.95	81.54	2.83	2.4	7.3	2	2.5	60
FSN9A	70	71	0.80	0.11	7.62	0.03	0.00	14.85	22.89	2.12	1.8	0.7	1	2.5	50
FSN9A	71	72	0.91	0.13	11.43	0.04	0.01	24.47	32.90	1.77	1.5	1.5	1	8	70
FSN9A	72	73	1.25	0.11	17.78	0.06	0.02	38.78	55.79	1.89	1.6	3.4	2	50	100
FSN9A	73	74	1.25	0.13	12.70	0.06	0.02	31.84	47.21	1.89	1.6	2.7	1	7	60

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
FSN9A	74	75	1.02	0.17	10.16	0.03	0.01	23.31	20.03	2.00	1.7	1.5	1	2.5	30
FSN9A	75	76	1.82	0.23	27.94	0.10	0.04	62.85	94.41	2.36	2	6.2	2	5	80
FSN9A	76	77	1.02	0.13	8.89	0.01	0.00	18.04	8.58	2.24	1.9	0.6	1	2.5	40
FSN9A	77	78	1.37	0.15	15.24	0.04	0.02	33.76	37.19	2.71	2.3	2.7	2	17	50
FSN9A	78	79	1.94	0.27	33.02	0.13	0.05	81.29	82.97	3.07	2.6	7.4	2	2.5	60
FSN9A	79	80	2.62	0.32	38.10	0.16	0.07	100.19	68.67	1.89	1.6	6.4	1	2.5	30
FSN9A	80	81	4.67	0.49	92.71	0.33	0.13	215.87	160.22	2.24	1.9	20.4	3	2.5	80
FSN9A	81	82	4.90	0.52	92.71	0.31	0.12	211.92	148.77	2.12	1.8	17.7	3	7	90
FSN9A	82	83	4.21	0.53	88.90	0.29	0.12	199.21	141.62	2.00	1.7	17.4	2	2.5	90
FSN9A	83	84	2.62	0.34	57.15	0.19	0.07	128.38	103.00	1.18	1	12.9	2	2.5	70
FSN9A	84	85	1.82	0.24	31.75	0.11	0.05	73.42	32.90	0.83	0.7	3.9	1	47	50
FSN9A	85	86	1.14	0.16	17.78	0.06	0.03	40.98	37.19	0.71	0.6	3.8	1	9	60
FSN9A	86	87	1.82	0.26	34.29	0.12	0.04	71.25	148.77	1.42	1.2	24.3	5	8	190
FSN9A	87	88	1.82	0.20	36.83	0.17	0.05	79.15	238.90	1.89	1.6	31.4	4	9	140
FSN9A	88	89	0.80	0.09	15.24	0.07	0.02	33.04	81.54	0.83	0.7	15.7	1	2.5	30
FSN9A	89	90	0.80	0.07	12.70	0.06	0.02	28.62	71.53	0.71	0.6	13.7	1	2.5	30
FSN9A	90	91	0.80	0.07	11.43	0.05	0.01	24.77	55.79	0.71	0.6	11.5	1	36	20
FSN9A	91	92	1.25	0.15	27.94	0.29	0.06	69.84	25.75	0.59	0.5	12.9	1	49	20
FSN9A	92	93	1.14	0.14	17.78	0.04	0.01	34.09	72.96	1.06	0.9	10.5	5	164	200
FSN9A	93	94	0.68	0.10	19.05	0.08	0.02	38.10	12.87	0.35	0.3	3.6	1	7	10
FSN9A	94	95	0.80	0.09	13.97	0.05	0.01	27.46	5.72	0.18	0.15	2.1	0.5	16	10
FSN9A	95	96	0.46	0.03	10.16	0.02	0.00	18.03	24.32	0.35	0.3	2.7	1	30	50
FSN9A	96	97	1.02	0.10	19.05	0.06	0.01	37.21	108.72	0.94	0.8	12.5	6	26	260
FSN9A	97	98	0.57	0.06	12.70	0.03	0.01	23.04	74.39	0.94	0.8	6.6	4	33	160
FSN9A	98	99	0.23	0.03	6.35	0.01	0.00	10.76	18.60	0.47	0.4	1.6	2	26	30
FSN9A	99	100	0.68	0.08	20.32	0.07	0.02	40.49	204.57	1.77	1.5	10.6	3	13	100
FSN9A	100	101	0.46	0.07	7.62	0.02	0.00	13.92	58.65	1.06	0.9	4.4	3	73	140
FSN9A	101	102	1.37	0.17	25.40	0.08	0.02	49.61	198.84	2.48	2.1	20.2	13	89	520
FSN9A	102	103	0.46	0.03	5.08	0.00	0.00	8.51	14.31	0.71	0.6	10.6	1	2.5	60
FSN9A	103	104	0.57	0.06	7.62	0.02	0.00	14.58	67.23	0.94	0.8	8.7	3	2.5	150
FSN9A	104	105.1	0.57	0.07	11.43	0.05	0.01	24.22	94.41	1.42	1.2	7.7	6	5	200
FSN9A	105.1	106.3	0.34	0.03	7.62	0.03	0.01	15.65	77.25	1.30	1.1	6.6	2	2.5	50
FSN9A	106.3	107	0.11	0.03	1.90	0.01	0.00	3.58	12.87	0.18	0.15	1	1	2.5	30
FSN9A	107	108	0.11	0.03	1.90	0.00	0.00	2.59	2.86	0.18	0.15	0.4	1	2.5	10
FSN9A	108	109	0.23	0.03	3.81	0.04	0.01	9.80	28.61	0.47	0.4	18.8	0.5	2.5	10
FSN9A	109	110	0.11	0.03	1.90	0.00	0.00	2.59	2.86	0.18	0.15	0.5	0.5	2.5	5
FSN9A	110	111	0.11	0.03	1.90	0.00	0.00	2.59	1.43	0.18	0.15	0.3	0.5	2.5	10
FSN9A	111	111.7	0.11	0.03	1.90	0.00	0.00	2.59	1.43	0.18	0.15	0.4	0.5	2.5	5
FSN9A	111.7	112.7	1.71	0.24	36.83	0.08	0.02	66.89	230.31	3.30	2.8	8.5	16	2.5	620
FSN9A	119.1	119.8	0.23	0.03	3.81	0.01	0.00	6.43	11.44	1.30	1.1	1.3	1	2.5	20
FSN9A	119.8	120.55	0.11	0.03	1.90	0.00	0.00	2.88	4.29	0.18	0.15	0.5	0.5	2.5	10
FSN9A	120.55	121.3	0.11	0.03	1.90	0.00	0.00	2.59	1.43	0.18	0.15	0.15	0.5	2.5	10
FSN9A	121.3	122	0.11	0.03	1.90	0.00	0.00	2.59	2.86	0.18	0.15	0.3	0.5	2.5	10
FSN9A	122	123.1	0.11	0.03	1.90	0.00	0.00	2.59	5.72	0.18	0.15	0.3	0.5	2.5	5
FSN9A	123.1	124.3	0.23	0.03	5.08	0.01	0.00	8.16	10.01	0.18	0.15	1.6	1	2.5	40
FSN9A	124.3	125.45	0.11	0.03	1.90	0.00	0.00	2.59	4.29	0.18	0.15	1.2	0.5	2.5	10
FSN9A	125.45	126.2	0.11	0.03	1.90	0.00	0.00	2.59	1.43	0.18	0.15	0.3	0.5	2.5	5
FSN9A	126.2	127	0.11	0.03	1.90	0.00	0.00	2.59	5.72	0.18	0.15	0.9	0.5	2.5	10
FSN9A	127	128	0.11	0.03	3.81	0.02	0.00	8.79	4.29	0.18	0.15	1.6	0.5	2.5	5
FSN9A	128	129	0.11	0.03	1.90	0.01	0.00	3.95	10.01	0.18	0.15	3.9	0.5	2.5	5
FSN9A	129	130	1.25	0.13	19.05	0.01	0.00	27.94	105.86	1.53	1.3	0.4	12	2.5	590
FSN9A	130	130.85	0.11	0.03	1.90	0.01	0.00	3.78	8.58	0.18	0.15	2	0.5	2.5	5
L179	50	51	6.60	0.94	86.36	0.36	0.09	195.84	595.10	19.93	16.9	101.5	23	6	950
L179	51	52	5.69	0.85	107.94	0.75	0.20	294.75	971.33	37.15	31.5	160.5	15	8	550
L179	52	53	6.83	0.86	146.04	1.48	0.37	453.44	1308.93	47.29	40.1	269	11	5	300
L179	53	54	5.01	0.65	97.79	0.92	0.22	288.90	919.83	34.67	29.4	155	9	2.5	260

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
L179	54	55	5.47	0.84	115.56	1.12	0.28	341.00	1039.99	48.00	40.7	230	9	9	240
L179	55	56	5.47	0.74	109.21	1.13	0.29	343.04	858.32	38.44	32.6	255	9	2.5	270
L179	56	57	6.15	0.89	142.23	1.11	0.29	449.99	1396.19	39.15	33.2	165	12	2.5	380
L179	57	58	8.20	1.16	201.92	1.32	0.39	614.44	1888.29	34.91	29.6	146.5	24	2.5	900
L179	58	59	7.17	1.02	170.17	1.50	0.39	507.02	1709.48	45.64	38.7	324	17	2.5	500
L179	59	60	7.29	0.89	163.82	1.61	0.41	477.56	1680.87	59.08	50.1	343	11	2.5	360
L179	60	61	6.60	0.76	140.96	1.42	0.36	414.82	1324.67	45.99	39	295	10	8	290
L179	61	62	3.99	0.47	86.36	0.73	0.18	244.57	795.37	29.13	24.7	138	11	2.5	410
L179	62	63	11.73	1.48	238.75	0.90	0.25	588.76	972.76	30.31	25.7	138	32	5	1170
L179	63	64	4.78	0.42	101.60	1.00	0.24	279.47	743.87	32.08	27.2	140	7	2.5	190
L179	64	65	5.01	0.47	100.33	1.05	0.25	278.31	816.83	33.02	28	159	6	2.5	190
L179	65	66	6.03	0.51	109.21	0.89	0.23	301.88	1147.28	32.90	27.9	162	11	2.5	370
L179	66	67	5.92	0.52	114.29	0.87	0.22	309.32	1160.16	30.07	25.5	172	25	2.5	1060
L179	67	68	6.95	0.66	130.80	1.10	0.28	362.50	1287.47	37.26	31.6	266	16	2.5	630
L179	68	69	2.05	0.13	33.02	0.21	0.06	89.84	962.74	11.08	9.4	287	20	2.5	780
L179	69	70	6.60	0.75	132.07	1.22	0.31	382.13	1098.64	48.00	40.7	304	12	2.5	370
L179	70	71	7.74	1.06	154.93	1.26	0.31	402.15	1399.05	32.67	27.7	261	15	2.5	530
L179	71	72	7.17	0.92	140.96	1.23	0.32	396.78	1145.85	51.41	43.6	260	11	2.5	390
L179	72	73	5.58	0.55	106.67	0.80	0.20	272.58	1340.40	28.77	24.4	156.5	8	2.5	330
L179	73	74	3.99	0.33	85.09	0.51	0.13	213.12	1280.32	19.22	16.3	216	27	2.5	1100
L179	74	75	4.90	0.48	107.94	0.66	0.16	274.42	1360.43	21.70	18.4	207	31	2.5	1300
L179	75	76	6.03	0.61	124.45	0.66	0.16	302.73	688.08	24.88	21.1	101.5	9	7	390
L179	76	77	5.92	0.45	92.71	0.80	0.20	253.78	766.76	34.32	29.1	163	9	2.5	280
L179	77	78	5.35	0.49	101.60	0.72	0.17	257.12	954.16	21.11	17.9	98.4	11	2.5	400
L179	78	79	6.38	0.68	119.37	0.95	0.23	305.73	1215.95	22.88	19.4	152.5	13	7	440
L179	79	80	5.35	0.55	119.37	0.91	0.23	314.97	1039.99	32.67	27.7	172	9	2.5	280
L179	80	81	6.83	0.77	139.69	1.24	0.32	363.83	1730.94	36.91	31.3	441	49	2.5	2200
L179	81	82	6.26	0.71	170.17	0.69	0.17	333.03	1008.52	28.89	24.5	199	28	2.5	1220
L179	82	83	5.81	0.61	130.80	0.99	0.25	320.33	1134.41	31.60	26.8	249	18	2.5	680
L179	83	84	11.16	1.46	262.88	2.04	0.50	628.59	4248.66	50.12	42.5	646	33	2.5	1500
L179	84	85	4.55	0.56	114.29	1.02	0.26	289.38	2675.08	27.36	23.2	421	15	2.5	620
L179	85	86	3.30	0.41	88.90	0.63	0.16	213.23	2388.98	20.75	17.6	512	12	2.5	380
L179	86	87	3.87	0.34	105.40	0.47	0.12	215.29	1423.37	20.40	17.3	192.5	11	2.5	410
L179	87	88	4.90	0.77	102.87	0.49	0.12	207.63	746.73	25.47	21.6	118	25	2.5	980
L179	88	89	5.81	0.81	143.50	0.79	0.19	302.04	1390.47	26.18	22.2	195.5	21	7	750
L179	89	90	6.49	0.65	180.33	0.82	0.21	383.03	1223.10	28.07	23.8	185.5	14	2.5	460
L179	90	91	2.39	0.33	58.42	0.58	0.14	164.70	975.62	15.57	13.2	153.5	11	2.5	440
L179	91	92	1.37	0.18	35.56	0.36	0.09	96.59	606.54	7.55	6.4	87.3	5	113	190
L179	92	93	0.91	0.13	26.67	0.30	0.07	73.18	432.02	7.67	6.5	61.5	4	44	170
L179	93	94	1.59	0.17	46.99	0.37	0.08	110.93	529.29	7.78	6.6	77.3	8	18	320
L179	94	95	3.53	0.43	99.06	0.72	0.17	232.05	1235.97	20.17	17.1	174.5	21	7	890
L179	95	96	2.16	0.26	57.15	0.58	0.13	157.56	1055.73	10.97	9.3	121.5	12	69	460
L179	96	97	10.48	1.23	245.10	1.37	0.33	546.19	1516.36	26.06	22.1	224	42	19	1540
L179	97	98	9.45	1.32	186.68	0.65	0.15	363.23	1417.65	22.64	19.2	198	43	27	1600
L179	98	99	3.42	0.41	100.33	1.09	0.28	281.27	1831.07	25.83	21.9	339	18	2.5	740
L179	99	100	6.95	0.92	163.82	1.14	0.29	401.03	2260.23	35.26	29.9	404	57	8	2490
L179	100	101	17.08	2.16	363.20	1.70	0.41	746.30	1343.26	32.08	27.2	189.5	39	2.5	1610
L179	101	102	3.53	0.44	74.93	0.40	0.10	158.37	396.26	10.97	9.3	67.8	21	2.5	870
L179	102	103	40.19	5.12	1078.18	4.79	1.13	2290.50	7996.64	43.40	36.8	1110	27	2.5	1200
L179	103	104	5.35	0.53	177.79	2.53	0.68	528.95	1502.05	28.18	23.9	773	17	2.5	520
L179	104	105	4.55	0.48	172.71	2.71	0.71	548.81	2396.13	29.36	24.9	828	17	2.5	450
L179	105	106	4.78	0.50	180.33	3.07	0.81	592.54	1881.14	27.48	23.3	913	15	2.5	420
L179	106	107	5.24	0.48	182.87	2.93	0.79	592.97	1809.61	29.48	25	878	15	2.5	420
L179	107	108	5.24	0.56	185.41	2.13	0.56	532.47	2632.17	21.46	18.2	659	54	2.5	2510
L179	108	109	4.67	0.50	148.58	1.50	0.40	423.20	4291.58	16.39	13.9	594	63	2.5	2910
L179	109	110	10.59	1.10	407.65	2.53	0.66	1018.56	2124.33	18.51	15.7	579	106	2.5	5060

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
L179	110	111	6.15	0.68	229.86	3.29	0.86	694.84	2095.72	32.90	27.9	1040	27	2.5	980
L179	111	112	4.21	0.43	153.66	2.55	0.68	496.40	2059.96	23.94	20.3	814	16	2.5	540
L179	112	113	4.67	0.49	172.71	2.57	0.68	533.16	3361.73	37.38	31.7	991	25	2.5	950
L179	113	114	4.78	0.48	146.04	1.86	0.50	420.35	2775.22	32.08	27.2	687	30	2.5	1140
L179	114	115	4.21	0.43	160.01	2.94	0.80	542.86	1816.77	24.53	20.8	933	13	2.5	370
L179	115	116	3.64	0.40	143.50	2.73	0.74	486.99	1595.04	22.76	19.3	846	12	5	310
L179	116	117	4.90	0.53	156.20	2.61	0.70	487.66	1573.58	23.94	20.3	830	21	2.5	770
L179	117	118	4.90	0.56	152.39	2.60	0.67	450.57	1552.12	20.99	17.8	686	16	2.5	560
L179	118	119	5.92	0.72	205.73	3.15	0.85	633.19	3347.43	46.93	39.8	1355	35	2.5	1540
L179	119	120	6.15	0.67	237.48	4.45	1.17	802.73	1888.29	33.14	28.1	1515	25	2.5	770
L179	120	121	4.33	0.47	166.36	3.55	0.92	564.92	2274.53	28.66	24.3	1085	16	2.5	430
L179	121	122	5.81	0.52	210.81	3.68	1.00	694.76	2718.00	41.86	35.5	1440	29	2.5	1070
L179	122	123	5.35	0.61	156.20	1.94	0.53	463.91	3089.93	51.65	43.8	908	30	2.5	1220
L179	123	124	5.58	0.64	189.22	3.01	0.78	616.95	2961.19	66.75	56.6	1110	23	2.5	870
L179	124	125	4.90	0.52	161.28	2.88	0.76	546.01	2145.79	52.59	44.6	1010	22	2.5	820
L179	125	126	5.69	0.57	177.79	3.06	0.81	598.95	2167.25	57.43	48.7	1055	22	2.5	780
L179	126	127	5.81	0.74	165.09	1.93	0.49	451.14	1573.58	28.30	24	608	18	2.5	440
L179	127	128	4.55	0.52	102.87	0.53	0.12	211.50	948.44	23.82	20.2	229	19	2.5	520
L179	128	129	6.60	0.68	229.86	3.54	0.92	752.56	2975.49	79.83	67.7	1305	43	2.5	1800
L179	129	130	6.03	0.58	213.35	3.38	0.88	707.91	2417.59	56.37	47.8	1005	20	2.5	620
L179	130	131	6.15	0.68	204.46	3.08	0.80	648.96	3519.09	38.44	32.6	986	43	2.5	1860
L179	131	132	6.49	0.81	189.22	1.72	0.45	524.31	5006.84	91.98	78	835	34	2.5	1480
L179	132	133	7.52	0.96	140.96	0.52	0.11	268.90	1859.68	24.76	21	185	32	11	1220
L179	133	134	25.73	3.38	501.63	2.59	0.54	1000.15	20241.93	112.03	95	1570	35	6	1180
L179	134	135	14.46	1.82	284.47	1.53	0.34	583.28	8096.77	59.08	50.1	758	24	9	1060
L179	135	136	4.10	0.49	97.79	0.70	0.17	244.70	2024.19	30.66	26	250	22	2.5	880
L179	136	137	4.33	0.55	93.98	0.74	0.16	228.29	1723.78	26.77	22.7	140.5	14	2.5	500
L179	137	138	2.73	0.36	68.58	0.60	0.13	176.29	1702.32	26.42	22.4	156	8	2.5	300
L179	138	139	2.05	0.23	55.88	0.56	0.13	156.32	1573.58	34.43	29.2	221	9	2.5	340
L179	139	140	3.07	0.34	97.79	1.01	0.24	284.88	1745.24	25.47	21.6	194.5	10	2.5	280
L179	140	141	1.94	0.22	50.80	0.49	0.12	140.91	1234.54	20.99	17.8	156	6	2.5	210
L179	141	142	0.91	0.11	17.78	0.13	0.03	44.27	949.87	17.22	14.6	75.7	3	2.5	80
L179	142	143	1.82	0.24	48.26	0.37	0.09	123.93	719.55	11.32	9.6	93.4	8	7	280
L179	143	144	0.91	0.09	29.21	0.32	0.07	86.73	379.09	6.72	5.7	48.1	3	2.5	80
L179	144	145	0.57	0.03	16.51	0.18	0.04	46.57	296.12	3.07	2.6	34.1	1	2.5	50
L179	145	146	0.57	0.03	16.51	0.16	0.04	46.99	237.47	4.01	3.4	27.7	2	2.5	50
L179	146	147	1.37	0.15	34.29	0.36	0.09	100.89	516.42	7.78	6.6	66.3	3	2.5	90
L179	147	148	2.62	0.36	55.88	0.44	0.10	135.08	464.92	9.79	8.3	99	13	2.5	580
L179	148	149	2.73	0.36	52.07	0.28	0.06	114.62	430.59	7.31	6.2	57.2	13	2.5	600
L179	149	150	1.02	0.10	27.94	0.28	0.07	78.67	268.94	4.72	4	56.1	4	2.5	170
L179	150	151	2.16	0.34	34.29	0.12	0.02	65.57	251.77	6.60	5.6	28.9	13	2.5	630
L179	151	152	0.91	0.10	22.86	0.24	0.06	66.97	310.42	9.91	8.4	62.6	2	2.5	60
L179	152	153	0.68	0.10	21.59	0.19	0.05	59.16	336.17	5.31	4.5	46.4	2	2.5	80
L179	153	154	1.02	0.15	34.29	0.38	0.09	99.64	424.87	5.42	4.6	69.6	3	2.5	120
L179	154	155	2.28	0.39	49.53	0.57	0.12	117.61	360.49	5.42	4.6	39.5	14	2.5	640
L179	155	156	1.94	0.25	64.77	0.73	0.18	191.18	596.53	10.02	8.5	129.5	4	2.5	110
L179	156	157	0.68	0.10	25.40	0.23	0.06	71.12	334.74	7.08	6	44.4	2	2.5	60
L179	157	158	0.46	0.03	21.59	0.21	0.05	59.65	223.16	3.66	3.1	34.7	2	2.5	50
L179	158	159	1.37	0.19	62.23	0.66	0.16	189.42	836.86	11.32	9.6	126	5	2.5	120
L179	159	160	1.02	0.11	33.02	0.30	0.07	89.67	381.95	4.48	3.8	44.4	3	2.5	70
L179	160	161	1.71	0.18	57.15	0.70	0.17	172.54	988.49	10.38	8.8	139	4	2.5	110
L179	161	162	0.91	0.03	25.40	0.29	0.07	75.86	413.42	5.07	4.3	57.7	2	2.5	70
L179	162	163	1.25	0.14	41.91	0.41	0.10	119.86	1051.44	11.56	9.8	115	4	2.5	140
L179	163	164	0.46	0.03	16.51	0.16	0.04	45.62	411.99	5.42	4.6	44.7	2	2.5	60
L179	164	165	0.34	0.03	10.16	0.12	0.03	30.74	110.15	2.12	1.8	35.6	1	2.5	30
L179	165	166	1.59	0.24	50.80	0.49	0.12	143.39	851.16	16.16	13.7	97	4	2.5	110

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
L179	166	167	1.14	0.03	34.29	0.38	0.09	102.34	469.21	6.84	5.8	95.6	3	2.5	80
L179	167	168	2.28	0.23	50.80	0.40	0.10	129.80	520.71	8.84	7.5	89.1	9	2.5	390
L179	168	169	2.05	0.15	62.23	0.77	0.19	197.32	1680.87	18.87	16	213	7	2.5	200
L179	169	170	1.48	0.17	54.61	0.73	0.18	177.27	899.80	11.44	9.7	201	5	2.5	160
L179	170	171	2.39	0.31	90.17	1.16	0.29	277.46	1114.38	15.45	13.1	315	7	2.5	200
L179	171	172	1.71	0.15	55.88	0.57	0.14	160.70	936.99	11.08	9.4	136.5	5	2.5	150
L179	172	173	2.73	0.28	62.23	0.39	0.09	144.29	602.25	7.90	6.7	92.8	16	2.5	640
L179	173	173.95	2.85	0.23	73.66	0.70	0.17	199.99	783.93	11.44	9.7	154.5	12	2.5	530
LG10	24.7	25.4	3.30	0.43	45.72	0.14	0.03	91.40	341.90	15.09	12.8	39.9	12	2.5	450
LG10	25.4	26	5.12	0.77	69.85	0.17	0.04	130.23	466.35	32.19	27.3	77.6	16	2.5	680
LG10	26	27	5.69	0.72	69.85	0.17	0.04	130.97	391.96	28.77	24.4	73.4	14	2.5	580
LG10	27	28	5.12	0.84	66.04	0.17	0.03	123.86	331.88	24.17	20.5	65.4	14	2.5	560
LG10	28	29	5.58	0.81	66.04	0.17	0.04	125.39	339.03	25.35	21.5	66.2	15	2.5	590
LG10	29	30	5.01	0.78	66.04	0.16	0.03	122.33	343.33	26.30	22.3	65	14	2.5	610
LG10	30	31	5.69	0.77	67.31	0.17	0.03	127.70	349.05	27.71	23.5	67.4	16	2.5	650
LG10	31	32	5.24	0.77	66.04	0.16	0.03	122.35	336.17	26.89	22.8	59.8	15	2.5	630
LG10	32	33	5.01	0.72	62.23	0.16	0.03	117.37	323.30	24.76	21	60	14	2.5	600
LG10	33	34	4.78	0.72	62.23	0.16	0.03	118.16	317.58	30.90	26.2	59.4	14	2.5	600
LG10	34	35	5.01	0.66	60.96	0.16	0.03	115.71	317.58	30.90	26.2	60.3	14	2.5	580
LG10	35	36	5.01	0.77	68.58	0.17	0.03	128.64	341.90	28.30	24	62.8	15	2.5	620
LG10	36	37	5.12	0.78	63.50	0.17	0.03	121.93	336.17	30.19	25.6	60	15	2.5	610
LG10	37	38	5.01	0.91	60.96	0.16	0.03	118.63	320.44	26.30	22.3	58.6	14	2.5	590
LG10	38	39	4.90	0.71	62.23	0.16	0.03	118.27	320.44	25.94	22	58.2	14	2.5	580
LG10	39	40	4.78	0.71	62.23	0.16	0.03	117.46	329.02	25.12	21.3	59.5	15	2.5	640
LG10	40	41	4.78	0.67	59.69	0.16	0.03	115.38	310.42	23.23	19.7	59.2	14	2.5	590
LG10	41	42	4.90	0.73	62.23	0.17	0.03	118.71	327.59	24.65	20.9	63.8	14	2.5	580
LG10	42	43	5.01	0.75	62.23	0.17	0.03	119.20	327.59	22.05	18.7	60	15	2.5	620
LG10	43	44	4.55	0.75	62.23	0.18	0.03	119.02	311.85	18.16	15.4	59.5	15	2.5	600
LG10	44	45	4.78	0.64	63.50	0.18	0.04	121.87	330.45	18.99	16.1	60.1	15	2.5	640
LG10	45	46	4.90	0.75	66.04	0.19	0.04	126.99	319.01	16.75	14.2	60.8	15	2.5	600
LG10	46	47	4.67	0.69	63.50	0.18	0.04	121.33	313.29	19.22	16.3	59.2	15	2.5	580
LG10	47	48	4.78	0.69	57.15	0.17	0.03	109.18	271.80	42.57	36.1	50.9	12	2.5	500
LG10	48	49.1	5.01	0.65	67.31	0.22	0.04	130.23	359.06	21.82	18.5	66.3	15	2.5	610
LG10	49.1	50.3	4.67	0.67	62.23	0.20	0.04	120.42	337.60	36.56	31	61.7	13	9	540
LG10	50.3	51	5.92	0.76	77.47	0.25	0.05	147.98	456.34	22.05	18.7	74.1	17	2.5	710
LG10	51	52	6.49	0.90	82.55	0.25	0.05	158.17	563.63	26.65	22.6	77.8	20	2.5	850
LG10	52	53	4.78	0.73	64.77	0.19	0.04	123.31	381.95	31.25	26.5	60.8	16	2.5	660
LG10	53	54	6.03	0.88	85.09	0.25	0.05	165.23	589.38	22.76	19.3	87.2	20	2.5	820
LG10	54	55	5.81	0.74	91.44	0.29	0.06	181.83	663.76	17.33	14.7	102	17	2.5	690
LG10	55	56	6.95	0.96	101.60	0.29	0.06	198.24	819.69	23.47	19.9	115.5	20	2.5	870
LG10	56	57	7.86	1.00	126.99	0.35	0.08	241.10	984.20	23.70	20.1	135.5	22	2.5	870
LG10	57	58	8.20	1.09	137.15	0.38	0.08	256.08	1213.09	28.77	24.4	150.5	27	2.5	1080
LG10	58	59	7.86	1.11	125.72	0.36	0.07	238.81	1185.91	29.48	25	145.5	26	2.5	1060
LG10	59	60	8.08	1.06	129.53	0.36	0.08	241.60	1201.64	28.18	23.9	143.5	24	2.5	1010
LG10	60	61	7.86	1.21	134.61	0.38	0.08	254.90	1247.42	29.48	25	151	26	2.5	1050
LG10	61	62	7.63	0.93	133.34	0.38	0.08	248.19	1274.60	27.83	23.6	148	27	2.5	1160
LG10	62	63	9.11	1.09	144.77	0.41	0.09	269.89	1300.35	28.66	24.3	158.5	26	2.5	1060
LG10	63	64	8.65	1.21	142.23	0.42	0.09	266.21	1444.83	26.65	22.6	168.5	23	2.5	1000
LG10	64	65	9.91	1.30	171.44	0.48	0.10	316.19	1845.38	30.42	25.8	212	25	2.5	1030
LG10	65	66	8.65	1.16	148.58	0.41	0.09	275.36	1988.43	35.73	30.3	215	31	2.5	1340
LG10	66	67	9.68	1.40	154.93	0.41	0.09	283.66	2553.49	38.21	32.4	223	39	2.5	1840
LG10	67	68	9.56	1.23	149.85	0.35	0.07	265.30	3104.24	74.41	63.1	230	40	2.5	1950
LG10	68	69	6.72	0.89	90.17	0.24	0.05	165.07	1185.91	107.43	91.1	112	23	2.5	940
LG10	69	70	5.92	0.81	78.74	0.21	0.04	141.02	1838.22	246.46	209	139	23	2.5	1070
LG10	70	71	5.47	0.76	78.74	0.23	0.04	142.47	1873.99	225.82	191.5	146.5	25	2.5	1140
LG10	71	72	3.64	0.55	49.53	0.14	0.03	88.85	1303.21	188.09	159.5	104	20	2.5	900

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG10	72	73	3.53	0.57	43.18	0.12	0.02	77.81	1616.49	262.97	223	133.5	22	2.5	1050
LG10	73	74	2.96	0.48	38.10	0.11	0.02	69.26	1616.49	193.40	164	110	33	17	1640
LG10	74	75	3.53	0.42	46.99	0.14	0.03	87.57	1155.86	160.97	136.5	106	19	2.5	850
LG10	75	76	6.38	1.00	101.60	0.32	0.07	198.64	2267.38	175.12	148.5	200	29	2.5	1260
LG10	76	77	4.33	0.60	64.77	0.22	0.05	127.03	1952.67	195.16	165.5	157	26	2.5	1150
LG10	77	78	3.87	0.60	55.88	0.21	0.04	107.68	2281.69	250.00	212	185	27	2.5	1180
LG10	78	79	4.33	0.63	66.04	0.24	0.06	133.62	2653.62	248.82	211	177	26	2.5	1200
LG10	79	80	4.44	0.71	73.66	0.32	0.08	159.84	3004.10	261.79	222	196.5	18	2.5	840
LG10	80	81	3.87	0.63	59.69	0.25	0.05	116.33	4534.76	287.74	244	323	28	9	1320
LG10	81	82	5.58	0.71	92.71	0.34	0.07	183.14	4191.44	234.08	198.5	318	27	2.5	1230
LG10	82	83	6.15	0.91	99.06	0.34	0.07	202.24	4034.08	214.03	181.5	349	24	2.5	1070
LG10	83	84	6.83	0.97	106.67	0.42	0.09	217.67	5064.06	255.90	217	321	24	2.5	990
LG10	84	85	6.03	0.77	101.60	0.44	0.09	207.77	4749.34	283.02	240	303	26	2.5	1190
LG10	85	86	6.03	0.76	100.33	0.39	0.08	203.42	3676.45	318.40	270	291	22	2.5	940
LG10	86	87	4.21	0.57	66.04	0.24	0.05	131.64	2775.22	297.17	252	195	21	2.5	950
LG10	87	88	6.15	0.82	113.02	0.41	0.09	229.70	3461.87	320.75	272	231	24	2.5	1060
LG10	88	89	9.79	1.32	172.71	0.54	0.12	333.93	5436.00	417.45	354	361	24	2.5	990
LG10	89	90	7.17	0.99	125.72	0.43	0.09	242.42	5765.02	337.26	286	375	29	2.5	1240
LG10	90	91	9.91	1.27	191.76	0.50	0.11	369.46	5307.25	347.88	295	458	29	2.5	1250
LG10	91	92	16.06	1.93	311.14	1.07	0.23	611.22	9355.63	496.46	421	809	35	2.5	1450
LG10	92	93	17.31	2.27	351.77	1.19	0.27	698.90	9856.32	569.57	483	853	41	2.5	1720
LG10	93	94	19.36	2.54	373.36	1.52	0.34	757.34	10213.95	462.26	392	859	44	2.5	1910
LG10	94	95	34.16	4.34	640.05	2.60	0.60	1288.94	16236.46	633.25	537	1750	80	2.5	3490
LG10	95	96	16.17	2.15	308.60	1.16	0.25	600.69	8626.07	492.92	418	919	40	2.5	1760
LG10	96	97	27.21	3.51	589.25	1.74	0.39	1142.40	9570.21	466.98	396	1425	73	2.5	3330
LG10	97	98	30.86	3.92	628.62	1.88	0.43	1224.96	7753.45	502.36	426	1320	84	2.5	4240
LG10	98	99	47.03	5.63	1132.79	2.16	0.48	2025.81	11258.23	544.81	462	1990	94	8	4360
LG10	99	100	34.27	4.25	739.10	2.52	0.59	1433.61	10142.42	359.67	305	1440	115	2.5	5670
LG10	100	101	16.51	2.04	330.18	1.16	0.26	651.82	6008.21	219.34	186	773	50	2.5	2310
LG10	101	102	14.69	1.86	314.95	1.26	0.29	638.10	6794.99	170.40	144.5	864	51	2.5	2540
LG10	102	103	17.08	2.27	344.15	1.23	0.28	693.18	8454.40	199.88	169.5	1110	72	2.5	3630
LG10	103	104	21.52	2.72	438.13	1.59	0.35	860.88	8454.40	206.96	175.5	1120	70	2.5	3630
LG10	104	105	21.41	2.84	440.67	1.59	0.35	864.21	8354.27	196.93	167	1060	64	2.5	3440
LG10	105	106	21.52	2.67	478.77	1.28	0.29	897.84	5736.41	157.43	133.5	1015	62	2.5	3400
LG10	106	107	14.80	1.68	307.33	1.07	0.24	615.30	5579.05	120.87	102.5	687	54	2.5	2840
LG10	107	108	18.45	2.22	373.36	1.26	0.28	734.03	4348.80	153.30	130	684	60	2.5	3330
LG10	108	109	11.84	1.56	234.94	0.75	0.16	442.68	2889.66	411.56	349	302	44	2.5	1980
LG10	109	110	11.73	1.77	222.24	0.70	0.15	415.99	3032.71	429.24	364	320	59	2.5	2570
LG10	110	111	27.56	3.74	585.44	1.99	0.41	1081.18	6680.55	408.02	346	558	39	2.5	1720
LG10	111	112	45.32	6.03	923.25	3.01	0.62	1692.29	9298.41	501.18	425	694	46	5	1790
LG10	112	113	33.70	4.16	746.72	1.45	0.31	1404.80	7810.67	607.31	515	1375	69	5	2740
LG10	113	114	34.50	4.20	850.86	1.75	0.36	1506.03	10099.51	571.93	485	1200	39	2.5	1810
LG10	114	115	22.55	2.91	491.47	1.76	0.37	925.28	6566.11	356.13	302	578	48	2.5	2300
LG10	115	116	25.05	3.00	548.61	1.79	0.38	1060.66	8268.44	448.11	380	889	61	2.5	2560
LG10	116	117	14.92	1.84	335.26	1.06	0.23	660.92	6122.65	623.82	529	657	40	2.5	1660
LG10	117	118.2	10.82	1.46	234.94	0.79	0.17	450.98	4577.68	629.72	534	432	27	2.5	1280
LG10	118.2	119.4	11.16	1.41	247.64	0.88	0.20	486.87	5321.55	343.16	291	675	40	2.5	2080
LG11	32	33	6.38	1.18	88.90	0.23	0.05	167.00	547.89	33.73	28.6	89.8	17	2.5	710
LG11	33	34	9.91	1.36	147.31	0.39	0.09	281.11	1280.32	35.26	29.9	178.5	26	2.5	1110
LG11	34	35	8.54	1.18	128.26	0.36	0.08	250.01	1138.70	37.15	31.5	153.5	24	2.5	990
LG11	35	36.15	11.16	1.49	163.82	0.41	0.09	302.98	2124.33	51.06	43.3	226	31	2.5	1470
LG11	36.15	37.35	12.30	1.92	184.14	0.46	0.10	340.15	3018.41	76.65	65	287	35	2.5	1670
LG11	37.35	38.2	10.36	1.61	142.23	0.40	0.09	265.91	2574.95	104.36	88.5	234	33	2.5	1560
LG11	38.2	39	10.25	1.60	139.69	0.38	0.09	255.60	2546.33	245.28	208	176.5	46	2.5	2370
LG11	39	40	9.79	1.39	140.96	0.37	0.09	250.07	3361.73	167.45	142	198.5	47	2.5	2300
LG11	40	41	8.65	1.38	107.94	0.32	0.07	194.67	2338.91	119.10	101	179	29	2.5	1530

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG11	41	42.2	7.74	1.16	116.83	0.40	0.10	222.37	4019.78	201.65	171	233	42	2.5	2090
LG11	42.2	43.4	4.44	0.67	76.20	0.32	0.08	155.87	3848.11	215.80	183	158.5	30	2.5	1550
LG11	43.4	44	7.52	1.02	113.02	0.40	0.09	216.72	3333.12	206.96	175.5	195.5	36	2.5	1720
LG11	44	45	3.99	0.60	78.74	0.30	0.07	149.74	3261.60	140.92	119.5	109	21	2.5	990
LG11	45	46	6.15	0.82	125.72	0.51	0.11	247.92	4220.05	201.65	171	148.5	15	2.5	770
LG11	46	47	7.17	1.06	140.96	0.56	0.12	273.45	3833.81	432.78	367	182.5	33	2.5	1800
LG11	47	48	5.24	0.80	113.02	0.45	0.10	221.33	3933.94	254.72	216	153	26	2.5	1370
LG11	48	49	1.94	0.30	44.45	0.18	0.04	86.82	1845.38	119.10	101	64	25	2.5	1320
LG11	49	50	1.94	0.26	40.64	0.18	0.04	80.71	3275.90	116.86	99.1	94.6	20	2.5	1090
LG11	50	51	4.78	0.69	99.06	0.47	0.11	201.05	8926.48	287.74	244	197	24	2.5	1240
LG11	51	52	3.87	0.52	87.63	0.39	0.09	179.62	5364.47	235.85	200	208	25	2.5	1320
LG11	52	53	8.77	1.17	190.49	0.72	0.16	363.21	6408.75	307.78	261	276	60	2.5	3120
LG11	53	54	13.66	1.55	287.01	1.21	0.27	560.99	12216.68	345.52	293	455	74	2.5	3370
LG11	54	55	8.31	0.93	168.90	0.65	0.15	328.50	6294.31	431.60	366	305	48	6	2300
LG11	55	56	3.42	0.47	68.58	0.26	0.06	136.81	1945.51	898.58	762	83.1	84	2.5	4170
LG11	56	57	3.19	0.40	64.77	0.27	0.07	131.17	3204.38	865.56	734	114.5	52	2.5	2560
LG11	57	58	2.85	0.38	62.23	0.29	0.07	128.59	2081.41	670.99	569	68.1	53	2.5	2680
LG11	58	60	1.25	0.26	27.94	0.16	0.04	60.96	2174.40	739.39	627	61.5	33	2.5	1620
LG11	60	61	4.78	0.58	96.52	0.38	0.09	197.81	5464.61	630.89	535	205	58	6	2730
LG11	61	62	2.85	0.35	63.50	0.28	0.06	130.57	3075.63	1051.88	892	158	67	2.5	3240
LG11	62	63	1.82	0.20	49.53	0.22	0.05	100.76	1781.00	666.27	565	52.2	43	2.5	2290
LG11	63	64	1.37	0.13	34.29	0.19	0.05	77.01	2124.33	818.39	694	61.4	32	2.5	1730
LG11	64	65	1.25	0.20	38.10	0.20	0.05	83.41	2596.40	750.00	636	86.8	44	2.5	2280
LG11	65	66	0.91	0.16	27.94	0.14	0.03	60.04	894.08	854.95	725	26	66	6	3670
LG11	66	67	1.71	0.24	43.18	0.17	0.04	84.71	1645.10	1029.48	873	75.2	52	2.5	2800
LG11	67	68	1.59	0.25	36.83	0.16	0.04	74.25	1673.71	1089.62	924	59.9	44	2.5	2420
LG11	68	69	1.25	0.24	35.56	0.17	0.04	76.12	1845.38	1403.30	1190	71.4	35	2.5	1980
LG11	69	70	1.48	0.18	31.75	0.16	0.04	67.09	1346.12	1140.33	967	47.6	39	2.5	2170
LG11	70	71	0.68	0.09	19.05	0.10	0.02	41.34	1031.41	1179.24	1000	31.3	28	2.5	1440
LG11	71	72	1.37	0.14	30.48	0.13	0.03	63.42	716.69	1074.29	911	22.6	33	2.5	1690
LG11	72	73.1	2.85	0.44	69.85	0.30	0.07	138.00	1974.12	466.98	396	70.9	32	2.5	1630
LG11	73.1	74	6.83	1.06	126.99	0.33	0.07	222.80	2088.57	111.44	94.5	89.9	39	2.5	1800
LG11	74	75	3.76	0.60	116.83	0.47	0.11	229.55	4520.46	67.92	57.6	137.5	43	2.5	2300
LG11	75	76	7.40	0.83	152.39	0.61	0.14	303.07	3662.14	51.18	43.4	149.5	42	6	2320
LG11	76	77	3.76	0.40	87.63	0.38	0.08	174.92	1866.84	22.88	19.4	83.7	29	2.5	1430
LG11	77	78	2.39	0.27	54.61	0.23	0.05	107.80	899.80	13.21	11.2	46.4	17	2.5	750
LG11	78	78.65	2.05	0.25	43.18	0.13	0.03	79.45	961.31	17.22	14.6	42.5	13	2.5	630
LG11	78.65	79.4	2.28	0.27	45.72	0.16	0.03	83.23	1357.57	24.76	21	84.6	4	2.5	170
LG11	79.4	80	1.48	0.19	35.56	0.17	0.04	73.87	1024.26	29.36	24.9	51.4	2	2.5	60
LG11	80	81	1.37	0.11	38.10	0.18	0.04	80.15	619.42	42.22	35.8	25.3	2	2.5	70
LG11	81	82	1.48	0.16	34.29	0.18	0.04	74.37	460.63	30.54	25.9	19.3	5	2.5	220
LG11	82	83	1.82	0.33	36.83	0.14	0.03	72.34	955.59	66.98	56.8	45	13	2.5	520
LG11	83	84	0.68	0.08	22.86	0.12	0.03	46.34	1225.96	87.97	74.6	44	2	2.5	60
LG11	84	85	1.48	0.19	41.91	0.20	0.05	89.85	1580.73	90.33	76.6	89.2	13	2.5	610
LG11	85	86	1.37	0.11	29.21	0.14	0.03	60.21	713.83	45.99	39	26.7	4	2.5	180
LG11	86	87	1.14	0.10	25.40	0.14	0.03	52.25	1350.42	64.03	54.3	60.6	4	2.5	200
LG11	87	88	1.48	0.19	35.56	0.17	0.04	70.11	1014.24	80.78	68.5	34.5	10	2.5	550
LG11	88	89.1	1.71	0.18	27.94	0.13	0.03	55.39	792.51	66.51	56.4	28.1	6	2.5	270
LG11	89.1	90.3	2.05	0.31	45.72	0.18	0.04	84.59	823.98	57.90	49.1	36.7	4	2.5	190
LG12	41	42	7.29	0.84	90.17	0.19	0.04	166.85	462.06	52.00	44.1	77.6	22	2.5	910
LG12	42	43	7.17	0.91	90.17	0.19	0.04	166.08	547.89	52.95	44.9	86.7	21	5	820
LG12	43	44	8.08	1.18	97.79	0.19	0.04	176.57	792.51	60.02	50.9	108	21	5	890
LG12	44	45	7.40	1.05	95.25	0.20	0.04	173.21	695.24	68.16	57.8	107.5	20	2.5	780
LG12	45	46	7.06	0.93	86.36	0.20	0.04	161.76	555.04	72.17	61.2	92.7	17	2.5	640
LG12	46	47	7.17	0.86	91.44	0.22	0.05	172.39	609.40	66.39	56.3	103	18	2.5	680
LG12	47	48	9.68	1.13	137.15	0.35	0.08	257.32	1163.02	91.75	77.8	177.5	21	2.5	840

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG12	48	49	13.21	1.91	196.84	0.43	0.10	362.30	2245.92	163.91	139	292	26	2.5	1100
LG12	49	50	22.89	3.24	313.68	0.54	0.12	535.13	3376.04	173.35	147	400	36	2.5	1530
LG12	50	51	15.49	2.14	224.78	0.49	0.11	401.58	5207.11	237.03	201	569	36	2.5	1480
LG12	51	52	7.40	1.02	95.25	0.24	0.06	179.88	2725.15	216.98	184	329	21	13	860
LG12	52	53	3.30	0.47	44.45	0.16	0.04	92.09	4091.30	83.37	70.7	492	23	2.5	830
LG12	53	54	5.01	0.71	62.23	0.18	0.05	118.62	3719.37	199.88	169.5	438	26	5	1020
LG12	54	55	5.01	0.78	64.77	0.20	0.05	126.57	3805.20	162.15	137.5	471	31	2.5	1270
LG12	55	56	6.26	0.93	82.55	0.26	0.06	160.38	4534.76	209.32	177.5	537	31	2.5	1250
LG12	56	57	5.24	0.76	67.31	0.24	0.06	136.66	4577.68	174.53	148	497	32	2.5	1310
LG12	57	58	6.03	0.85	82.55	0.28	0.07	161.73	4921.01	186.91	158.5	562	33	2.5	1380
LG12	58	59	6.15	1.03	81.28	0.27	0.07	157.75	5879.46	175.71	149	793	41	2.5	1690
LG12	59	60	7.17	1.14	101.60	0.34	0.08	201.20	7352.90	165.09	140	1055	46	2.5	2080
LG12	60	61	10.93	1.32	151.12	0.40	0.09	285.98	5893.76	195.75	166	922	49	2.5	3240
LG12	61	62	34.50	4.73	543.53	0.86	0.19	898.51	5464.61	347.88	295	1095	53	2.5	3460
LG12	62	63	37.69	4.90	664.18	1.22	0.28	1131.74	6895.13	360.85	306	1550	91	2.5	5250
LG12	63	64	16.28	2.25	250.18	0.45	0.10	430.64	3418.96	209.91	178	677	63	2.5	3810
LG12	64	65	7.52	1.08	126.99	0.30	0.07	227.03	2617.86	101.30	85.9	438	50	2.5	2770
LG12	65	66	12.53	1.89	205.73	0.48	0.11	365.60	3490.48	173.94	147.5	702	75	2.5	4520
LG12	66	67	7.63	1.09	123.18	0.32	0.07	226.80	2138.64	172.76	146.5	439	79	2.5	4560
LG12	67	68	14.80	2.23	256.53	0.66	0.15	462.94	7510.26	423.35	359	1075	43	2.5	2370
LG12	68	69	11.61	1.49	185.41	0.44	0.10	346.31	5393.08	258.25	219	804	30	2.5	1750
LG12	69	70	10.82	1.50	157.47	0.36	0.08	292.50	2961.19	201.06	170.5	566	33	2.5	2150
LG12	70	71	19.81	2.44	364.47	0.82	0.19	673.99	4105.61	253.54	215	1010	50	2.5	3290
LG12	71	72	19.81	2.55	365.74	0.90	0.21	687.89	5750.71	281.84	239	1085	97	2.5	5890
LG12	72	73	67.98	8.80	1090.88	2.28	0.53	1958.92	13203.75	496.46	421	2780	216	2.5	14850
LG12	73	74	52.49	6.24	906.74	1.87	0.43	1639.94	9384.24	357.31	303	2160	167	2.5	10700
LG12	74	75	20.04	2.46	355.58	0.80	0.19	651.57	4863.79	225.24	191	986	101	2.5	6130
LG12	75	76	74.01	8.93	1140.41	1.33	0.29	1906.70	7524.56	450.47	382	2150	94	2.5	7720
LG12	76	77	36.89	4.46	652.75	1.08	0.25	1142.44	5579.05	436.32	370	1515	79	2.5	7130
LG12	77	78	37.80	5.03	543.53	0.83	0.19	934.00	4863.79	297.17	252	1300	87	2.5	8750
LG12	78	79	26.08	3.12	472.42	0.82	0.19	819.98	8525.93	353.77	300	1435	62	2.5	5910
LG12	79	80	13.66	1.66	222.24	0.42	0.10	395.63	4305.88	270.05	229	566	49	2.5	3560
LG12	80	81	14.92	1.93	276.85	0.54	0.12	494.70	2875.36	346.70	294	500	23	2.5	1700
LG12	81	82	23.68	2.95	440.67	0.48	0.10	714.66	3318.82	591.98	502	761	59	2.5	4130
LG12	82	83	23.91	3.45	290.82	0.36	0.08	464.01	2918.27	713.44	605	503	51	7	4760
LG12	83	84	11.84	1.43	180.33	0.31	0.07	308.27	2946.88	364.39	309	547	45	2.5	2900
LG12	84	85	15.71	1.91	234.94	0.45	0.10	410.96	3962.55	275.94	234	766	58	2.5	4240
LG12	85	86	29.72	3.98	387.33	0.50	0.11	641.10	3976.86	218.75	185.5	820	151	2.5	10150
LG12	86	87	27.78	3.82	402.57	0.63	0.14	682.43	2918.27	280.66	238	841	82	2.5	7220
LG12	87	88	32.22	4.16	445.75	0.59	0.13	742.46	3905.33	226.41	192	977	70	6	6810
LG12	88	89	43.38	5.15	802.60	1.19	0.24	1333.90	6351.53	248.82	211	1770	26	2.5	2220
LG12	89	90	28.69	3.87	356.85	0.34	0.06	549.26	1602.19	219.34	186	474	56	15	5960
LG12	90	91	25.85	3.20	452.10	0.69	0.15	739.32	7839.28	257.07	218	1120	50	2.5	3280
LG12	91	92	25.51	3.29	317.48	0.34	0.07	494.47	3218.68	218.16	185	589	50	8	4130
LG12	92	93	6.60	0.86	102.87	0.34	0.08	183.03	7982.33	295.99	251	1180	55	2.5	2850
LG12	93	94	18.90	2.21	293.36	0.43	0.10	482.88	6179.87	294.81	250	1020	68	2.5	4470
LG12	94	95	49.87	6.13	831.81	0.53	0.10	1251.65	3361.73	353.77	300	778	74	9	5930
LG12	95	96	135.50	16.66	1904.91	0.69	0.11	2804.46	3318.82	370.28	314	1090	127	11	9810
LG12	96	97	40.99	5.47	683.23	0.67	0.14	1023.45	6337.23	288.91	245	1225	86	12	8440
LG12	97	98	80.05	11.17	857.21	0.73	0.14	1318.18	4992.53	726.41	616	1210	94	11	10350
LG12	98	99	36.66	4.80	566.39	0.45	0.10	876.66	4291.58	304.24	258	961	56	8	5650
LG12	99	100	18.67	2.33	262.88	0.35	0.08	419.20	4921.01	202.24	171.5	1060	52	5	3610
LG12	100	101	52.83	6.82	693.39	0.54	0.11	1040.34	4248.66	691.04	586	1055	101	8	10650
LG12	101	102	65.47	8.34	941.03	0.66	0.13	1388.10	3562.01	308.96	262	1045	95	2.5	7360
LG12	102	103	59.67	7.30	855.94	0.53	0.10	1266.21	3733.67	267.69	227	1040	111	2.5	7630
LG12	103	104	98.84	12.28	1447.73	1.03	0.21	2202.16	5664.88	512.97	435	1855	179	2.5	12550

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG12	104	105	120.13	15.12	1727.12	1.29	0.27	2644.68	13904.70	904.48	767	3060	178	2.5	16950
LG12	105	106	27.10	3.51	449.56	0.57	0.13	725.29	7896.50	549.53	466	1755	66	2.5	4920
LG12	106	107	22.89	2.77	346.69	0.64	0.15	586.21	12388.35	626.18	531	1935	89	2.5	5060
LG12	107	108	19.36	2.48	287.01	0.63	0.15	513.63	13275.27	753.54	639	2130	123	2.5	6980
LG12	108	109	14.35	1.84	187.95	0.51	0.13	359.43	6794.99	326.65	277	1245	68	2.5	3720
LG12	109	110	12.75	1.65	209.54	0.61	0.15	408.38	7639.00	338.44	287	1485	84	2.5	5540
LG12	110	111	17.76	2.10	304.79	0.53	0.12	525.04	8812.03	831.37	705	1450	54	6	3710
LG12	111	112	8.65	1.11	157.47	0.45	0.11	303.49	2903.97	579.01	491	362	48	2.5	2760
LG12	112	113	15.03	1.98	314.95	0.95	0.22	619.66	6651.94	364.39	309	1070	82	2.5	4800
LG12	113	114	6.03	0.71	114.29	0.43	0.11	240.00	14033.45	803.06	681	2200	70	2.5	3700
LG12	114	115	20.72	2.87	370.82	0.93	0.21	691.15	6523.19	958.72	813	984	68	2.5	3940
LG12	115	116	17.54	2.16	345.42	1.04	0.25	679.29	6465.97	472.88	401	940	77	2.5	4460
LG12	116	117	10.36	1.30	218.43	0.73	0.18	446.47	7023.88	399.76	339	1110	80	2.5	4480
LG12	117	118	10.59	1.41	222.24	0.66	0.16	435.37	7324.29	1149.76	975	765	56	2.5	2850
LG12	118	119	9.34	1.13	203.19	0.68	0.17	413.62	6122.65	405.66	344	822	37	2.5	1900
LG12	119	120	8.08	1.05	167.63	0.58	0.15	360.34	9341.33	639.15	542	1405	51	2.5	2800
LG12	120	121	5.81	0.72	109.21	0.34	0.08	218.30	4620.60	738.21	626	712	40	2.5	2020
LG12	121	122	4.67	0.48	99.06	0.38	0.10	217.98	5149.89	292.45	248	748	51	2.5	2730
LG12	122	123	9.22	1.17	194.30	0.73	0.18	412.22	10614.50	525.94	446	1790	62	2.5	3380
LG12	123	124	5.92	0.82	133.34	0.52	0.13	290.90	5378.77	337.26	286	797	54	2.5	2960
LG12	124	125	4.67	0.64	110.48	0.42	0.11	237.32	4377.41	221.11	187.5	655	61	2.5	3500
LG12	125	126	2.05	0.28	48.26	0.21	0.05	111.31	2932.58	164.50	139.5	343	51	2.5	2870
LG12	126	127	2.28	0.33	58.42	0.25	0.07	133.96	3719.37	245.28	208	468	48	2.5	2810
LG12	127	128	11.05	1.36	241.29	0.82	0.21	498.52	3533.40	514.15	436	421	40	2.5	2230
LG12	128	129	10.25	1.36	214.62	0.68	0.17	434.15	2353.21	502.36	426	217	27	2.5	1450
LG12	129	130	10.48	1.32	219.70	0.69	0.17	440.48	2918.27	515.33	437	257	32	2.5	1780
LG12	130	131	10.36	1.25	205.73	0.60	0.15	409.04	3547.70	627.36	532	454	56	2.5	3180
LG12	131	132	7.17	0.97	160.01	0.58	0.15	340.67	3504.79	354.95	301	341	56	2.5	3000
LG12	132	133	12.75	1.88	285.74	0.94	0.23	579.92	5850.85	390.33	331	698	66	2.5	3660
LG12	133	134	10.48	1.33	227.32	0.79	0.19	467.60	5679.18	500.00	424	460	33	2.5	1680
LG12	134	135	8.08	1.14	187.95	0.68	0.17	393.32	4491.85	479.95	407	480	48	2.5	2520
LG12	135	136	17.08	2.40	363.20	1.19	0.29	724.81	5736.41	738.21	626	619	42	2.5	2250
LG12	136	137	13.09	1.67	265.42	0.69	0.16	480.04	3447.57	550.71	467	315	40	5	1920
LG12	137	138	12.64	1.67	223.51	0.63	0.14	425.18	2417.59	240.57	204	171	29	7	1180
LG12	138	139	37.35	5.42	722.60	1.94	0.45	1366.72	4978.23	597.88	507	273	27	10	2130
LG12	139	140	21.18	3.20	472.42	1.48	0.36	940.74	2918.27	235.85	200	299	45	2.5	2390
LG12	140	141	10.70	1.36	209.54	0.66	0.16	419.76	4091.30	317.22	269	507	36	2.5	1900
LG12	141	142	19.93	2.63	408.92	1.24	0.30	806.84	3905.33	325.47	276	406	40	2.5	2170
LG12	142	143	18.22	2.66	364.47	1.13	0.27	726.25	3418.96	441.04	374	280	20	2.5	1030
LG12	143	144	20.04	2.64	457.18	1.46	0.35	901.18	735.29	246.46	209	69.5	4	2.5	150
LG12	144	145	19.24	2.70	426.70	1.35	0.32	845.88	1233.11	270.05	229	110	9	2.5	370
LG12	145	146	31.54	4.21	676.88	1.98	0.46	1271.28	2839.59	426.89	362	302	7	2.5	330
LG12	146	147	22.89	3.10	506.71	1.44	0.34	960.42	2782.37	418.63	355	284	10	2.5	460
LG12	147	148	13.44	1.82	298.44	0.88	0.21	578.99	4134.22	254.72	216	468	25	2.5	1110
LG12	148	149	10.48	1.43	223.51	0.69	0.17	440.65	3161.46	251.18	213	401	44	2.5	2420
LG12	149	150	7.40	0.96	170.17	0.44	0.10	312.69	2961.19	260.61	221	284	31	6	1490
LG12	150	151	7.52	1.11	180.33	0.68	0.17	384.01	5106.97	131.49	111.5	575	70	2.5	3790
LG12	151	152	16.51	2.18	346.69	1.09	0.26	684.78	4391.71	181.01	153.5	388	29	2.5	1460
LG12	152	153	16.62	2.26	360.66	1.08	0.26	703.31	2989.80	398.58	338	214	9	2.5	380
LG12	153	154	16.97	2.26	358.12	1.08	0.25	690.94	4463.24	475.23	403	329	18	2.5	840
LG12	154	155	3.19	0.42	77.47	0.26	0.07	154.92	2295.99	1503.53	1275	108.5	13	2.5	640
LG12	155	156	5.35	0.58	137.15	0.39	0.10	264.29	2453.35	961.08	815	239	20	2.5	1010
LG12	156	157	10.70	1.25	261.61	0.52	0.13	476.52	4220.05	449.29	381	438	62	7	3210
LG12	157	158	4.90	0.58	121.91	0.35	0.09	237.49	1413.36	972.88	825	168.5	13	2.5	700
LG12	161.45	162.85	3.07	0.41	69.85	0.26	0.06	140.04	1509.20	165.68	140.5	142	5	2.5	240
LG13	11.2	12	6.26	0.89	81.28	0.25	0.05	154.15	507.84	11.08	9.4	77.3	17	2.5	710

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG13	12	13	6.15	0.89	85.09	0.24	0.05	157.22	530.72	14.03	11.9	78	18	2.5	770
LG13	13	14	6.03	0.89	82.55	0.26	0.05	157.17	529.29	13.80	11.7	81.7	17	2.5	710
LG13	14	15	7.29	0.92	96.52	0.27	0.06	180.26	660.90	16.98	14.4	94.8	21	2.5	870
LG13	15	16	7.86	1.11	105.40	0.26	0.05	192.59	768.19	21.70	18.4	112	25	6	1060
LG13	16	17	6.83	0.93	96.52	0.28	0.06	179.54	680.93	15.33	13	89.5	21	2.5	900
LG13	17	18	6.95	0.84	96.52	0.29	0.06	182.97	649.46	15.80	13.4	96.5	22	2.5	880
LG13	18	19	6.03	0.81	96.52	0.29	0.06	182.82	683.79	18.28	15.5	120.5	19	2.5	830
LG13	19	20	6.15	0.82	102.87	0.33	0.07	200.18	666.62	15.33	13	119	17	2.5	700
LG13	20	21	7.06	1.00	107.94	0.34	0.07	210.77	756.75	17.10	14.5	116.5	19	2.5	780
LG13	21	22	6.83	0.97	111.75	0.34	0.07	214.61	838.29	17.69	15	119.5	20	2.5	880
LG13	22	23	6.60	0.96	105.40	0.32	0.07	204.40	839.72	16.86	14.3	115	19	2.5	840
LG13	23	24	7.17	1.08	119.37	0.35	0.08	226.58	934.13	17.57	14.9	131	21	2.5	910
LG13	24	25	7.97	1.02	121.91	0.37	0.08	230.38	1002.80	17.81	15.1	138	23	2.5	960
LG13	25	26	8.08	1.09	124.45	0.38	0.08	236.88	1074.32	18.63	15.8	142	22	2.5	930
LG13	26	27	7.97	0.99	132.07	0.39	0.09	245.01	1274.60	19.46	16.5	155	23	2.5	1060
LG13	27	28	7.97	1.06	123.18	0.39	0.09	234.63	1371.87	20.99	17.8	163	25	2.5	1090
LG13	28	29	8.08	1.11	123.18	0.40	0.09	236.04	1516.36	21.23	18	176	27	2.5	1170
LG13	29	30	8.08	1.08	119.37	0.39	0.09	228.16	1580.73	21.11	17.9	171	25	2.5	1100
LG13	30	31	7.29	1.05	110.48	0.36	0.08	208.72	1616.49	20.75	17.6	164.5	25	2.5	1090
LG13	31	32	5.92	0.88	81.28	0.26	0.06	152.49	1773.85	21.23	18	153.5	26	2.5	1150
LG13	32	33	6.03	0.83	85.09	0.27	0.06	159.97	1702.32	19.34	16.4	146.5	24	2.5	1090
LG13	33	34	5.35	0.75	66.04	0.22	0.05	126.51	1645.10	20.28	17.2	136.5	22	2.5	1000
LG13	34	35	4.90	0.68	62.23	0.21	0.05	120.64	1573.58	20.05	17	143.5	23	2.5	1050
LG13	35	36	4.78	0.63	48.26	0.15	0.04	92.33	1523.51	19.69	16.7	125	21	2.5	910
LG13	36	37	5.01	0.75	57.15	0.19	0.04	110.84	1630.80	20.87	17.7	138.5	22	2.5	1010
LG13	37	38	4.10	0.64	45.72	0.14	0.03	85.01	1637.95	26.53	22.5	150.5	22	5	1030
LG13	38	39	3.76	0.57	34.29	0.08	0.02	61.08	1178.75	23.11	19.6	126	19	2.5	830
LG13	39	40	2.96	0.44	38.10	0.08	0.02	64.74	1060.02	25.12	21.3	111.5	19	2.5	850
LG13	40	41	3.53	0.49	43.18	0.08	0.02	70.94	1190.20	30.90	26.2	108.5	16	2.5	760
LG13	41	42.05	3.30	0.49	43.18	0.08	0.02	70.45	1164.45	39.27	33.3	106	17	2.5	770
LG13	42.05	43	3.64	0.50	43.18	0.06	0.01	66.66	961.31	75.59	64.1	105	13	2.5	620
LG13	43	44	2.05	0.33	20.32	0.04	0.01	33.46	656.61	70.75	60	82.6	9	2.5	390
LG13	44	45	2.28	0.39	29.21	0.13	0.02	54.55	2038.50	95.40	80.9	162.5	13	2.5	580
LG13	45	46	4.21	0.66	76.20	0.33	0.07	157.02	2832.44	114.74	97.3	241	15	2.5	700
LG13	46	47	5.01	0.64	97.79	0.40	0.10	219.00	3418.96	162.74	138	325	18	5	880
LG13	47	48	5.47	0.83	113.02	0.35	0.08	225.50	3962.55	124.41	105.5	434	24	7	1080
LG13	48	49	4.67	0.57	125.72	0.43	0.11	256.46	5521.83	100.94	85.6	706	29	5	1360
LG13	49	50	4.44	0.55	138.42	0.29	0.07	245.72	3647.84	113.33	96.1	352	19	2.5	890
LG13	50	51	4.55	0.65	134.61	0.34	0.08	242.46	7023.88	166.27	141	521	24	2.5	1130
LG13	51	52	4.78	0.55	110.48	0.42	0.11	240.08	6065.43	172.76	146.5	691	44	2.5	2340
LG13	52	53	5.24	0.58	134.61	0.38	0.09	264.63	6523.19	186.91	158.5	757	26	6	1200
LG13	53	54	12.18	1.46	359.39	0.92	0.22	683.03	10457.14	210.49	178.5	1615	35	6	1350
LG13	54	54.65	13.32	1.64	313.68	0.78	0.18	575.82	6594.72	232.90	197.5	1115	50	20	2460
LG13	57.8	59	10.93	1.43	262.88	0.83	0.19	507.81	4591.99	125.59	106.5	459	36	2.5	2040
LG13	59	60	5.92	0.77	172.71	0.38	0.09	313.28	2474.81	97.41	82.6	309	29	15	1240
LG13	60	61	9.22	1.16	147.31	0.35	0.08	265.50	4863.79	100.00	84.8	267	26	2.5	1410
LG13	61	62	3.64	0.39	95.25	0.25	0.06	168.97	2260.23	96.46	81.8	103	8	2.5	410
LG13	62	63	3.99	0.44	91.44	0.31	0.07	181.21	2825.29	77.00	65.3	170.5	22	2.5	960
LG13	63	64	4.90	0.49	125.72	0.41	0.10	244.64	4606.29	123.23	104.5	290	13	2.5	650
LG13	64	65	5.69	0.63	135.88	0.44	0.11	269.81	7567.48	251.18	213	865	32	2.5	1550
LG13	65	66	8.77	0.96	194.30	0.37	0.08	345.29	5335.86	373.82	317	344	26	2.5	1140
LG13	66	67	5.47	0.68	137.15	0.47	0.11	275.92	7667.61	320.75	272	437	15	2.5	660
LG13	67	68	6.49	0.85	162.55	0.74	0.18	357.16	12030.72	392.69	333	980	27	2.5	1160
LG13	68	69	10.13	1.22	237.48	0.91	0.21	478.11	7867.89	527.12	447	1100	21	2.5	1080
LG13	69	70	9.68	1.18	213.35	0.71	0.16	419.69	5965.29	435.14	369	700	22	2.5	1200
LG13	70	71	5.58	0.66	132.07	0.52	0.13	279.83	6680.55	237.03	201	699	23	2.5	1170

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG13	71	72	7.97	1.05	189.22	0.73	0.17	397.31	5149.89	652.12	553	486	13	2.5	690
LG13	72	73	12.87	1.83	312.41	1.15	0.27	627.15	7968.02	350.24	297	667	21	2.5	1090
LG13	73	74.1	10.25	1.68	276.85	1.14	0.27	573.34	11730.31	281.84	239	921	20	2.5	860
LG13	74.1	75.2	8.77	1.24	214.62	0.79	0.18	430.40	5564.74	384.43	326	368	22	2.5	1060
LG13	75.2	76.45	5.81	0.65	140.96	0.46	0.11	272.23	5765.02	462.26	392	217	15	2.5	760
LG13	76.45	77	9.91	1.32	253.99	0.36	0.08	445.81	4119.91	159.79	135.5	278	36	6	1920
LG13	77	78	11.50	1.54	308.60	1.36	0.32	650.34	13933.31	158.02	134	1190	14	2.5	530
LG13	78	79	6.03	0.81	158.74	0.60	0.14	319.87	5579.05	67.22	57	353	20	2.5	1110
LG13	79	80	8.20	1.19	189.22	0.65	0.15	376.93	5779.32	76.77	65.1	379	24	6	1640
LG13	80	81	10.13	1.26	237.48	0.57	0.13	442.57	3790.89	79.01	67	427	21	5	1100
LG13	81	82	3.64	0.52	97.79	0.26	0.06	189.60	1788.16	48.00	40.7	178	12	2.5	900
LG13	82	83	2.28	0.28	49.53	0.20	0.05	102.12	1338.97	20.75	17.6	69	3	2.5	120
LG13	83	83.8	1.02	0.10	26.67	0.09	0.02	54.35	1659.41	11.79	10	56.9	2	2.5	70
LG13	83.8	85	1.14	0.22	36.83	0.13	0.03	76.00	921.26	7.08	6	41.7	1	2.5	80
LG13	85	86	0.57	0.09	17.78	0.07	0.02	37.38	1502.05	9.20	7.8	80.2	3	2.5	110
LG13	86	87	1.14	0.23	38.10	0.17	0.04	86.54	1773.85	16.63	14.1	90.1	6	2.5	320
LG13	87	88	1.25	0.20	39.37	0.19	0.05	91.79	1025.69	9.91	8.4	62.9	9	2.5	490
LG13	88	89	2.73	0.34	66.04	0.14	0.03	117.58	1004.23	17.10	14.5	67	5	2.5	270
LG13	89	90	0.91	0.11	21.59	0.11	0.03	50.90	1738.09	10.97	9.3	93.3	3	2.5	160
LG13	90	91	1.37	0.16	39.37	0.15	0.04	83.09	1258.86	9.55	8.1	80.2	5	2.5	240
LG13	91	92	1.02	0.15	27.94	0.12	0.03	57.49	1110.09	6.25	5.3	58.2	2	2.5	100
LG13	92	93	0.91	0.09	24.13	0.13	0.03	53.99	1213.09	6.49	5.5	53.9	1	2.5	30
LG13	93	94	1.02	0.18	24.13	0.12	0.03	53.77	872.62	4.60	3.9	32.4	1	2.5	70
LG13	94	95	0.80	0.15	34.29	0.17	0.04	73.89	3132.85	5.66	4.8	121	3	2.5	140
LG13	95	96	1.14	0.20	30.48	0.16	0.04	67.34	3347.43	6.49	5.5	76.2	2	2.5	60
LG13	96	97.2	1.82	0.25	46.99	0.12	0.03	87.57	1659.41	13.80	11.7	49.6	5	2.5	260
LG13	116.85	118	0.57	0.14	20.32	0.08	0.02	40.18	600.82	22.05	18.7	38.7	1	2.5	50
LG13	118	119	1.37	0.22	31.75	0.13	0.03	57.54	742.44	11.44	9.7	47.5	2	2.5	180
LG13	119	120	2.16	0.30	58.42	0.29	0.06	120.50	2353.21	20.64	17.5	114	2	2.5	70
LG13	120	121	4.21	0.57	104.14	0.36	0.07	191.41	1473.44	16.51	14	96.3	5	2.5	160
LG13	121	122	2.16	0.27	68.58	0.18	0.04	127.73	826.84	4.48	3.8	61.5	1	2.5	80
LG13	122	123	1.37	0.18	43.18	0.17	0.04	85.56	1323.24	18.51	15.7	54.2	2	2.5	80
LG13	123	124	1.37	0.20	38.10	0.13	0.03	73.28	523.57	1.77	1.5	25.6	2	2.5	110
LG13	124	125.2	2.73	0.35	80.01	0.25	0.05	149.37	489.24	2.36	2	56.8	0.5	2.5	20
LG15	10	11	8.88	1.25	158.74	0.45	0.10	296.64	1745.24	36.20	30.7	252	26	2.5	1100
LG15	11	12	9.91	1.31	163.82	0.46	0.10	308.67	1873.99	34.67	29.4	237	31	5	1300
LG15	12	13	10.02	1.40	170.17	0.46	0.10	316.12	2052.80	35.85	30.4	247	32	5	1370
LG15	13	14	10.36	1.38	167.63	0.47	0.10	315.74	2117.18	38.80	32.9	268	33	2.5	1400
LG15	14	15	10.02	1.24	166.36	0.46	0.10	309.84	2174.40	39.62	33.6	279	33	2.5	1440
LG15	15	16	10.70	1.41	179.06	0.47	0.10	327.27	2753.76	41.75	35.4	301	30	2.5	1380
LG15	16	17	11.61	1.55	173.98	0.46	0.10	322.77	3147.16	52.59	44.6	326	36	5	1510
LG15	17	18	11.96	1.65	186.68	0.47	0.10	332.76	3805.20	70.75	60	364	40	2.5	1820
LG15	18	19	12.53	1.80	186.68	0.48	0.10	336.29	3790.89	94.22	79.9	376	40	5	1800
LG15	19	19.75	13.09	1.73	198.11	0.48	0.10	343.70	3948.25	122.05	103.5	372	40	14	1880
LG15	19.75	20.95	4.44	0.58	66.04	0.16	0.03	110.64	1752.39	140.92	119.5	161	20	2.5	830
LG15	20.95	22	4.55	0.65	63.50	0.19	0.04	115.52	1966.97	99.29	84.2	180	21	11	810
LG15	22	23	5.01	0.73	73.66	0.21	0.04	129.53	2853.90	58.14	49.3	248	22	5	920
LG15	23	24	5.92	0.83	82.55	0.27	0.05	146.25	2818.13	141.51	120	229	20	2.5	830
LG15	24	24.7	5.24	0.72	69.85	0.24	0.05	133.97	1952.67	94.69	80.3	171.5	17	5	700
LG15	65.35	66	1.14	0.15	24.13	0.13	0.03	49.80	1938.36	22.76	19.3	96.9	2	2.5	60
LG15	66	67	1.48	0.16	35.56	0.18	0.04	73.79	5421.69	37.97	32.2	354	4	2.5	110
LG15	67	68	1.48	0.16	33.02	0.18	0.04	69.82	4391.71	52.71	44.7	267	5	2.5	180
LG15	68	69	2.73	0.40	62.23	0.25	0.05	119.89	3991.17	64.39	54.6	189.5	6	2.5	170
LG15	69	70	1.25	0.14	24.13	0.12	0.03	48.47	2288.84	18.28	15.5	59.6	3	2.5	100
LG15	70	71	1.37	0.17	29.21	0.15	0.03	62.27	2210.16	59.32	50.3	161	4	2.5	130
LG15	71	72	1.14	0.10	24.13	0.10	0.02	46.72	901.23	16.51	14	30.8	1	2.5	30

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG15	72	73	2.96	0.35	72.39	0.19	0.04	128.63	1021.39	117.69	99.8	54.4	9	2.5	370
LG15	73	74	2.05	0.26	48.26	0.19	0.04	93.49	572.21	126.77	107.5	20.3	2	2.5	60
LG15	74	75	1.14	0.15	29.21	0.11	0.02	57.31	763.90	82.08	69.6	37.8	1	2.5	50
LG15	75	76	2.39	0.28	54.61	0.18	0.04	105.14	539.31	175.12	148.5	27.8	2	2.5	130
LG15	76	77	1.37	0.16	36.83	0.18	0.04	76.70	1852.53	49.65	42.1	59.6	3	2.5	140
LG15	77	78	1.94	0.27	44.45	0.17	0.04	90.26	185.97	4.36	3.7	9	3	2.5	120
LG15	78	79	18.67	2.39	187.95	0.24	0.05	326.80	1509.20	129.13	109.5	242	21	2.5	2140
LG15	79	79.95	7.40	0.97	118.10	0.21	0.04	204.09	1502.05	140.33	119	193.5	18	2.5	1280
LG16	21.85	22.55	11.39	1.52	201.92	0.34	0.08	330.63	1873.99	150.35	127.5	246	20	15	860
LG16	26.1	27	8.43	1.21	146.04	0.38	0.09	274.78	2889.66	194.58	165	364	26	7	1140
LG16	27	28	7.63	1.17	129.53	0.36	0.08	241.83	2989.80	171.58	145.5	362	27	19	1180
LG16	28	29	6.95	1.01	101.60	0.28	0.06	189.95	1831.07	108.96	92.4	231	22	2.5	890
LG16	29	30	4.33	0.65	72.39	0.26	0.06	143.24	2532.03	116.04	98.4	307	23	2.5	980
LG16	30	31	5.58	0.80	101.60	0.38	0.09	205.67	2975.49	114.98	97.5	351	24	7	1060
LG16	31	32	5.24	0.78	83.82	0.36	0.08	170.07	3447.57	135.02	114.5	430	26	5	1150
LG16	32	32.65	4.78	0.60	76.20	0.34	0.06	148.01	3190.07	112.03	95	400	23	10	1020
LG16	32.65	33.3	5.92	0.77	95.25	0.40	0.09	196.94	3976.86	129.13	109.5	486	25	17	1080
LG16	33.3	34	5.47	0.78	97.79	0.44	0.10	199.54	4205.74	130.90	111	487	25	6	1090
LG16	34	35	4.67	0.69	72.39	0.33	0.07	149.35	3047.02	109.67	93	339	23	6	960
LG16	35	36	4.10	0.65	67.31	0.28	0.06	131.01	2975.49	99.65	84.5	320	23	2.5	930
LG16	36	37	3.87	0.57	54.61	0.21	0.04	102.45	2524.88	92.92	78.8	262	21	2.5	840
LG16	37	38	3.76	0.58	64.77	0.26	0.06	126.25	2710.85	123.82	105	296	22	9	900
LG16	38	39	5.92	0.86	107.94	0.49	0.12	229.50	4935.31	149.76	127	607	33	7	1530
LG16	39	40	5.69	0.74	102.87	0.47	0.11	218.74	4577.68	192.81	163.5	614	47	18	2230
LG16	40	41	7.17	0.92	139.69	0.51	0.12	284.19	4234.35	165.09	140	507	65	11	3340
LG16	41	42	7.06	0.99	156.20	0.53	0.13	313.71	3891.03	155.66	132	464	75	5	3830
LG16	42	43	10.25	1.34	213.35	0.88	0.20	439.49	7166.93	257.07	218	937	63	7	3330
LG16	43	44	9.34	1.13	207.00	0.87	0.22	444.12	10299.78	244.10	207	1595	63	2.5	3220
LG16	44	44.8	9.56	1.23	205.73	1.03	0.25	456.56	9412.86	247.64	210	1375	55	2.5	2600
LG16	47.85	49.05	2.73	0.31	60.96	0.26	0.06	131.88	3232.99	84.43	71.6	323	27	2.5	1250
LG16	49.05	50.25	2.73	0.35	58.42	0.25	0.06	130.89	3304.51	73.58	62.4	389	28	2.5	1310
LG16	50.25	51.45	2.16	0.27	48.26	0.21	0.05	106.80	2903.97	66.86	56.7	324	21	2.5	920
LG16	105.9	106.6	4.33	0.52	135.88	0.78	0.20	297.30	7438.73	520.05	441	388	20	5	930
LG16	106.6	107.45	4.21	0.55	107.94	0.43	0.10	224.53	4978.23	636.79	540	501	24	2.5	1040
LG16	107.45	108.2	4.44	0.58	92.71	0.32	0.07	176.44	3848.11	295.99	251	287	12	2.5	370
LG16	108.2	109	1.48	0.18	31.75	0.11	0.02	59.94	2396.13	113.68	96.4	116	8	2.5	210
LG16	109	110	4.21	0.51	88.90	0.23	0.05	155.72	3104.24	203.42	172.5	242	23	2.5	1170
LG16	110	111	7.74	0.99	179.06	0.69	0.16	360.76	6165.56	257.07	218	610	31	2.5	1380
LG16	112	112.7	4.33	0.71	81.28	0.27	0.05	146.04	788.22	22.29	18.9	67.1	4	2.5	170
LG16	112.7	113.4	4.78	0.68	90.17	0.34	0.07	167.64	2789.52	20.99	17.8	234	5	2.5	150
LG26	6	7	5.81	0.88	71.12	0.14	0.03	122.75	178.82	9.79	8.3	43.8	13	2.5	530
LG26	7	8	5.81	0.83	68.58	0.13	0.02	117.23	168.80	12.97	11	41.8	13	2.5	520
LG26	16	17	4.44	0.64	57.15	0.16	0.03	107.58	173.09	5.54	4.7	46.5	11	2.5	460
LG26	17	18	4.44	0.60	57.15	0.15	0.03	107.65	171.66	5.42	4.6	45.2	11	2.5	460
LG26	30	31	7.40	1.02	93.98	0.22	0.04	170.67	310.42	10.38	8.8	58.8	16	2.5	670
LG26	31	32	8.77	1.18	104.14	0.27	0.05	193.43	341.90	11.32	9.6	60.8	18	2.5	710
LG26	32	33	8.54	1.24	106.67	0.29	0.05	194.56	393.39	11.44	9.7	63.7	19	2.5	760
LG26	33	34	7.86	1.08	96.52	0.29	0.05	179.65	394.82	10.61	9	63.4	18	2.5	770
LG26	34	35	7.40	1.10	93.98	0.31	0.05	177.69	403.41	9.91	8.4	64.9	18	2.5	710
LG26	35	36	6.83	1.08	82.55	0.31	0.05	160.89	410.56	8.84	7.5	62.8	17	2.5	720
LG26	36	37	6.83	0.93	87.63	0.32	0.05	168.69	410.56	9.43	8	67.7	19	2.5	730
LG26	37	38	7.74	1.21	95.25	0.34	0.06	182.86	460.63	9.67	8.2	70	19	2.5	800
LG26	38	39	8.54	1.24	99.06	0.39	0.07	190.90	500.68	10.85	9.2	75.8	21	2.5	850
LG26	39	40	7.40	1.15	92.71	0.40	0.07	178.96	480.66	10.97	9.3	71.6	19	2.5	770
LG26	40	41	7.74	1.30	95.25	0.39	0.07	182.14	522.14	11.56	9.8	74.3	20	2.5	810
LG26	41	42	8.77	1.14	97.79	0.42	0.07	187.08	560.77	12.62	10.7	79.8	21	2.5	900

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG26	42	43	7.29	1.05	87.63	0.41	0.07	168.31	552.18	12.62	10.7	76.1	19	2.5	820
LG26	43	44	7.63	1.11	85.09	0.43	0.07	166.19	529.29	13.21	11.2	81.5	20	2.5	810
LG26	44	45	7.40	1.25	88.90	0.43	0.07	171.33	523.57	13.80	11.7	78	20	2.5	810
LG26	45	46	7.86	1.08	87.63	0.42	0.07	166.64	546.46	14.15	12	77.2	20	2.5	850
LG26	46	47	7.86	1.27	88.90	0.45	0.08	169.33	525.00	13.68	11.6	76.2	19	2.5	800
LG26	47	48	9.11	1.34	92.71	0.47	0.08	174.91	450.62	12.38	10.5	74	18	2.5	740
LG26	48	49	8.08	1.06	91.44	0.44	0.08	168.10	579.36	13.56	11.5	80	19	7	870
LG26	49	50	8.43	1.23	90.17	0.46	0.08	167.98	490.67	12.74	10.8	78.7	18	7	760
LG26	50	51	8.08	1.36	93.98	0.49	0.08	175.69	522.14	13.56	11.5	79.5	20	6	800
LG26	51	52	8.65	1.31	96.52	0.50	0.08	173.68	522.14	14.39	12.2	80.4	20	6	850
LG26	52	53	7.52	1.01	81.28	0.44	0.07	147.37	520.71	16.75	14.2	76	18	6	810
LG26	53	54	7.17	1.09	82.55	0.40	0.08	149.37	476.36	20.28	17.2	78.2	17	6	730
LG26	54	55	6.95	0.86	68.58	0.32	0.07	121.87	459.20	24.41	20.7	69.8	17	5	700
LG26	55	56	6.03	0.91	53.34	0.24	0.05	95.16	374.80	28.18	23.9	53.7	13	5	570
LG26	56	57	6.72	1.16	63.50	0.31	0.06	112.98	389.10	25.00	21.2	60.8	14	6	590
LG26	57	58	6.95	1.09	59.69	0.26	0.06	104.42	432.02	19.34	16.4	62.4	14	5	590
LG26	58	59	6.72	1.05	59.69	0.33	0.06	106.13	417.71	12.97	11	66	16	6	620
LG26	59	60	5.35	0.77	46.99	0.26	0.05	81.32	387.67	10.73	9.1	55.3	13	5	580
LG26	60	61	4.78	0.68	41.91	0.24	0.05	73.68	406.27	9.91	8.4	58.9	14	5	600
LG26	61	62	5.12	0.88	50.80	0.29	0.06	86.41	442.03	10.14	8.6	66.1	16	6	660
LG26	62	63	5.58	0.90	52.07	0.31	0.06	89.55	447.75	9.55	8.1	69.2	17	6	700
LG26	63	64	5.35	0.89	49.53	0.30	0.06	86.28	444.89	10.26	8.7	68.1	15	6	650
LG26	64	65	4.67	0.69	40.64	0.26	0.05	69.55	401.98	8.49	7.2	59.8	14	5	640
LG26	65	66	4.33	0.68	41.91	0.27	0.05	69.48	401.98	8.61	7.3	59	14	5	640
LG26	66	67	4.33	0.64	39.37	0.25	0.04	67.03	396.26	8.25	7	57.9	16	6	660
LG26	67	68	3.53	0.57	35.56	0.23	0.04	59.54	373.37	8.14	6.9	54.1	13	5	570
LG26	68	69	3.76	0.59	34.29	0.20	0.04	56.41	359.06	7.67	6.5	51.7	12	7	550
LG26	69	70	3.64	0.50	31.75	0.20	0.03	52.85	354.77	7.78	6.6	52.6	13	5	580
LG26	70	71	2.96	0.45	29.21	0.18	0.02	47.73	360.49	8.25	7	51.8	13	2.5	540
LG26	71	72	2.73	0.47	27.94	0.11	0.01	44.58	267.51	8.25	7	42	11	2.5	460
LG26	72	73	2.85	0.45	30.48	0.10	0.01	46.66	228.88	6.84	5.8	35	9	2.5	370
LG26	73	74	2.85	0.48	26.67	0.11	0.01	42.37	250.34	6.37	5.4	36.9	10	2.5	430
LG26	74	75	2.62	0.32	26.67	0.13	0.02	42.17	274.66	7.43	6.3	38.6	10	2.5	460
LG26	101	102	0.68	0.06	55.88	4.00	0.68	221.99	313.29	9.20	7.8	307	0.5	2.5	10
LG26	102	103	1.25	0.15	83.82	6.89	1.15	343.95	343.33	13.44	11.4	374	0.5	2.5	20
LG26	103	104	0.91	0.03	57.15	5.18	0.82	234.78	1297.49	12.15	10.3	304	1	2.5	30
LG26	104	105	2.62	0.28	166.36	5.34	1.09	554.55	821.12	12.26	10.4	382	5	2.5	160
LG26	105	106	2.28	0.09	96.52	2.43	0.38	312.95	520.71	9.43	8	218	4	13	130
LG26	106	107	3.30	0.31	231.13	4.47	0.85	782.74	535.02	12.62	10.7	513	6	22	200
LG26	107	108	3.42	0.30	247.64	6.91	1.36	872.74	642.31	16.27	13.8	689	12	2.5	420
LG26	108	109	13.09	1.30	666.72	7.12	1.24	1343.93	2031.35	25.24	21.4	777	37	2.5	2200
LG26	109	110	9.45	1.02	340.34	0.68	0.10	546.83	648.03	17.69	15	95.2	41	5	2870
LG26	110	111	9.00	0.78	316.21	1.66	0.27	524.31	520.71	16.75	14.2	99.2	24	18	1640
LG26	111	112	9.34	1.14	346.69	1.07	0.17	587.55	510.70	18.28	15.5	135.5	29	7	1990
LG26	112	113	6.83	0.84	243.83	2.34	0.35	465.42	652.32	17.92	15.2	177	31	2.5	1540
LG26	113	114	4.55	0.48	107.94	0.40	0.08	203.33	536.45	8.02	6.8	69.3	34	2.5	1730
LG26	114	115	4.21	0.33	241.29	9.10	1.66	779.29	4806.56	30.78	26.1	364	8	2.5	360
LG26	115	116	3.64	0.30	198.11	6.24	1.12	607.75	5736.41	19.22	16.3	253	6	8	230
LG26	116	117	2.16	0.32	43.18	1.13	0.17	106.17	785.36	8.02	6.8	49.5	19	2.5	1040
LG26	117	118	3.87	0.40	200.65	6.14	1.04	556.69	3476.18	11.91	10.1	186.5	14	5	560
LG26	118	119	2.16	0.20	114.29	3.20	0.54	344.37	849.73	7.90	6.7	170	5	2.5	180
LG26	119	120	2.96	0.35	129.53	6.59	0.98	377.71	1028.55	12.50	10.6	127.5	6	5	210
LG26	120	121	2.96	0.28	172.71	9.90	1.50	539.06	4105.61	16.16	13.7	215	5	9	180
LG26	121	122	1.94	0.18	105.40	5.57	0.93	353.69	494.96	11.67	9.9	154	3	2.5	130
LG26	122	123	2.16	0.13	116.83	6.10	0.93	411.10	197.41	15.21	12.9	167	3	8	90
LG26	123	124	4.44	0.45	189.22	2.14	0.41	434.58	1200.21	8.25	7	98.1	11	2.5	310

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG26	124	125	3.53	0.32	133.34	0.87	0.17	272.88	519.28	4.83	4.1	45.4	9	2.5	320
LG26	125	126	2.96	0.32	137.15	1.68	0.31	322.68	519.28	7.43	6.3	92.2	8	2.5	280
LG26	126	127	2.16	0.18	102.87	2.01	0.36	274.82	470.64	8.73	7.4	95.5	4	2.5	150
LG26	127	128	5.69	0.56	203.19	0.35	0.06	320.85	404.84	5.54	4.7	29.6	15	2.5	590
LG26	128	129	4.10	0.48	171.44	1.50	0.28	382.47	337.60	9.43	8	79.1	15	2.5	650
LG26	129	130	5.35	0.52	273.04	0.34	0.06	451.44	427.73	8.49	7.2	42.3	14	2.5	590
LG26	130	131	3.07	0.28	168.90	0.56	0.10	315.17	231.75	3.77	3.2	53.9	6	2.5	210
LG26	131	132	2.39	0.25	101.60	0.45	0.09	205.02	941.29	5.78	4.9	34.6	8	2.5	240
LG26	132	133	1.48	0.11	86.36	1.25	0.21	233.35	401.98	3.89	3.3	69.8	2	2.5	70
LG26	133	134	2.62	0.25	135.88	1.50	0.25	343.50	422.00	6.01	5.1	94.5	6	2.5	240
LG26	134	135	1.59	0.17	101.60	2.79	0.44	308.64	1595.04	10.50	8.9	99	0.5	2.5	20
LG26	135	136	2.51	0.36	160.01	2.58	0.42	478.54	569.35	9.67	8.2	179.5	1	2.5	60
LG26	136	137	4.44	0.45	224.78	3.41	0.53	608.54	301.84	9.08	7.7	214	1	2.5	30
LG26	137	138	2.51	0.22	149.85	3.31	0.54	403.51	131.61	6.49	5.5	100	1	2.5	30
LG26	138	139	2.51	0.18	161.28	4.72	0.72	468.75	87.26	10.50	8.9	124	0.5	2.5	5
LG26	139	140	2.16	0.31	134.61	12.82	1.75	494.36	214.58	26.77	22.7	216	2	2.5	50
LG26	140	141	3.07	0.27	107.94	1.79	0.32	264.91	369.08	5.42	4.6	60.8	6	2.5	210
LG26	141	142	3.76	0.43	143.50	1.68	0.30	358.12	381.95	5.54	4.7	86.3	5	2.5	200
LG26	142	143	2.28	0.38	44.45	0.26	0.05	87.95	1045.71	5.90	5	22.3	24	2.5	1210
LG26	143	144	1.82	0.27	55.88	0.28	0.06	119.09	1070.03	6.72	5.7	20.1	11	2.5	510
LG26	144	145	1.82	0.18	58.42	0.50	0.09	125.34	585.08	5.19	4.4	21.9	12	2.5	420
LG26	145	146	1.94	0.40	49.53	0.44	0.07	100.42	795.37	4.60	3.9	18.8	9	2.5	270
LG26	146	147	1.94	0.24	62.23	0.28	0.05	124.74	397.69	6.60	5.6	29.2	16	2.5	610
LG26	147	148	1.37	0.18	41.91	0.33	0.08	98.27	1380.46	11.08	9.4	44	15	2.5	630
LG26	148	149	1.37	0.22	29.21	0.14	0.03	57.00	648.03	4.36	3.7	17.7	10	2.5	360
LG26	149	150	1.25	0.18	44.45	0.26	0.05	97.30	165.94	2.48	2.1	22.2	4	2.5	180
LG26	150	151	1.48	0.19	44.45	0.16	0.04	87.09	1060.02	7.43	6.3	19.3	10	2.5	490
LG26	151	152	1.02	0.13	45.72	1.23	0.19	125.31	509.27	5.78	4.9	69.4	3	2.5	120
LG26	152	153	0.34	0.06	12.70	0.16	0.02	30.48	188.83	2.48	2.1	12	2	5	50
LG26	153	154	1.48	0.13	64.77	0.11	0.02	102.10	632.29	5.31	4.5	12	4	2.5	130
LG26	154	155	1.25	0.10	36.83	0.18	0.03	65.57	902.66	10.73	9.1	20	7	2.5	350
LG26	155	156	3.30	0.40	82.55	0.22	0.04	145.54	565.06	12.50	10.6	35.7	20	2.5	850
LG26	156	157	0.91	0.11	33.02	0.22	0.03	65.56	108.72	2.59	2.2	12.9	5	2.5	180
LG26	157	158	0.91	0.08	30.48	0.74	0.11	86.89	155.93	4.36	3.7	27.8	1	2.5	30
LG26	158	159	1.25	0.17	34.29	0.37	0.06	74.03	160.22	1.53	1.3	16.4	6	2.5	290
LG26	159	160	1.71	0.23	44.45	0.52	0.08	97.67	1688.02	7.55	6.4	24.1	10	2.5	470
LG26	160	161	3.42	0.47	55.88	0.19	0.04	105.54	984.20	13.80	11.7	53.2	23	2.5	1140
LG26	161	162	1.02	0.10	57.15	2.78	0.39	207.16	84.40	8.96	7.6	78.6	1	8	50
LG26	162	163	0.57	0.03	33.02	1.96	0.27	115.48	70.10	5.54	4.7	46.2	0.5	2.5	10
LG26	163	164	0.57	0.03	29.21	1.49	0.21	96.87	40.05	4.83	4.1	43.6	0.5	9	10
LG26	164	165	0.80	0.11	53.34	1.63	0.24	156.23	808.25	6.96	5.9	51.9	0.5	2.5	10
LG26	165	166	0.34	0.06	25.40	0.57	0.08	70.98	28.61	2.48	2.1	22.3	0.5	2.5	5
LG26	166	167	0.80	0.09	49.53	1.42	0.22	140.73	88.69	5.31	4.5	43.8	1	8	30
LG26	167	168	0.80	0.03	44.45	1.28	0.19	125.90	48.64	4.83	4.1	45.6	0.5	2.5	10
LG26	168	169	0.34	0.03	22.86	0.86	0.12	63.37	30.04	2.59	2.2	25.4	0.5	2.5	5
LG26	169	170	0.57	0.08	46.99	1.55	0.24	140.24	30.04	4.83	4.1	61.3	0.5	2.5	10
LG26	170	171	1.14	0.09	86.36	4.14	0.63	254.50	92.98	9.79	8.3	128	0.5	2.5	10
LG26	171	172	0.80	0.16	72.39	1.37	0.21	178.39	78.68	5.31	4.5	56.6	0.5	2.5	10
LG26	172	173	0.46	0.03	26.67	0.23	0.03	52.50	21.46	1.06	0.9	9.8	0.5	2.5	5
LG26	173	174	0.34	0.03	29.21	0.34	0.05	60.54	11.44	0.71	0.6	13.7	0.5	2.5	5
LG26	174	175	0.57	0.03	29.21	0.30	0.04	58.21	18.60	1.18	1	11	0.5	2.5	5
LG26	176	177	0.57	0.07	34.29	0.39	0.06	72.81	10.01	0.94	0.8	20.4	0.5	2.5	5
LG26	177	178	1.25	0.16	62.23	1.02	0.21	162.37	80.11	2.71	2.3	43	2	2.5	90
LG26	178	179	0.23	0.03	13.97	0.19	0.03	33.43	80.11	0.47	0.4	11	0.5	2.5	5
LG26	179	180	1.02	0.08	53.34	0.29	0.06	113.76	175.95	1.06	0.9	8.9	0.5	2.5	10
LG26	180	181	0.23	0.03	10.16	0.06	0.01	20.88	34.33	0.47	0.4	4	0.5	2.5	5

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG26	182	183	2.05	0.24	43.18	0.30	0.05	86.03	296.12	4.60	3.9	26	16	2.5	800
LG26	183	184	0.91	0.11	22.86	0.20	0.03	49.09	133.04	2.71	2.3	14.4	7	2.5	330
LG26	184	185	0.91	0.08	25.40	0.12	0.02	49.62	140.19	2.83	2.4	12.5	9	2.5	420
LG26	185	186	0.46	0.03	17.78	0.13	0.02	36.29	10.01	1.42	1.2	6.8	0.5	2.5	10
LG26	186	187.2	0.23	0.03	13.97	0.13	0.02	34.41	114.44	1.53	1.3	7.7	0.5	2.5	10
LG28	0	1.2	5.58	0.81	93.98	0.21	0.03	155.50	271.80	11.32	9.6	38.5	13	2.5	530
LG28	1.2	2	1.71	0.27	20.32	0.19	0.02	38.44	194.55	6.49	5.5	24	6	2.5	250
LG28	2	3	2.62	0.42	36.83	0.25	0.05	71.17	221.73	7.90	6.7	28.8	8	2.5	280
LG28	3	4	2.51	0.43	31.75	0.27	0.04	57.83	233.18	6.01	5.1	27.2	9	2.5	290
LG28	4	5	5.35	0.81	68.58	1.03	0.16	145.91	420.57	8.25	7	82	17	2.5	510
LG28	5	6	4.55	0.67	58.42	0.59	0.10	116.45	423.44	10.26	8.7	67.4	14	2.5	460
LG28	6	7	5.01	0.77	93.98	1.64	0.32	201.77	462.06	19.81	16.8	116	14	2.5	380
LG28	7	8.15	8.54	1.28	142.23	1.34	0.23	269.40	821.12	24.29	20.6	116	32	2.5	1060
LG28	8.15	9.35	13.21	1.80	226.05	1.91	0.28	415.73	466.35	26.06	22.1	142.5	28	2.5	860
LG28	9.35	10	5.69	0.92	83.82	0.77	0.14	160.70	536.45	18.87	16	59.7	31	2.5	720
LG28	10	11	3.99	0.63	68.58	0.69	0.14	142.55	586.52	23.58	20	81.1	23	2.5	600
LG28	11	12	2.28	0.36	27.94	0.27	0.05	58.32	323.30	7.19	6.1	36	11	2.5	410
LG28	12	13	3.42	0.64	46.99	0.45	0.09	95.19	519.28	11.32	9.6	38.5	22	2.5	640
LG28	13	14	8.43	1.23	182.87	1.67	0.36	366.91	529.29	16.27	13.8	65.1	18	2.5	500
LG28	14	15	9.11	1.36	218.43	1.95	0.43	430.65	653.75	17.45	14.8	80.2	13	2.5	420
LG28	15	16	13.44	1.97	375.90	3.31	0.79	724.39	473.50	26.42	22.4	174	10	2.5	300
LG28	16	17	10.70	1.74	219.70	2.66	0.59	435.24	745.30	27.95	23.7	142	34	2.5	1240
LG28	17	17.5	6.72	1.15	93.98	0.90	0.12	178.12	706.68	14.86	12.6	51.8	40	2.5	1560
LG28	17.5	18	5.69	0.91	83.82	0.47	0.08	151.82	858.32	11.56	9.8	47.2	26	2.5	850
LG28	18	19	6.26	0.91	104.14	0.90	0.17	197.85	921.26	19.10	16.2	59.9	52	2.5	860
LG28	19	20	6.03	0.94	105.40	0.85	0.17	199.96	695.24	14.74	12.5	83.5	17	2.5	600
LG28	20	21	3.07	0.47	45.72	0.24	0.03	79.48	183.11	8.61	7.3	24.1	9	8	430
LG28	21	22	18.22	2.75	443.21	1.52	0.29	731.53	427.73	13.92	11.8	26.7	20	5	860
LG28	22	23	1.59	0.26	26.67	0.14	0.02	46.72	111.58	4.60	3.9	13.4	3	7	170
LG28	23	24	1.48	0.23	21.59	0.10	0.02	39.92	181.68	5.90	5	19.3	6	2.5	240
LG28	24	25	4.21	0.59	90.17	0.64	0.12	166.49	394.82	10.97	9.3	47.5	12	2.5	520
LG28	25	26	9.91	1.39	275.58	2.93	0.56	500.51	529.29	22.52	19.1	106	28	7	690
LG28	26	27.1	5.35	0.78	144.77	1.32	0.23	268.54	665.19	12.03	10.2	84.4	19	2.5	610
LG28	27.1	28.3	7.06	1.02	134.61	0.36	0.06	228.85	695.24	14.15	12	44.4	42	2.5	1650
LG28	28.3	29	1.82	0.32	36.83	0.28	0.05	68.44	283.24	5.54	4.7	35.1	9	11	350
LG28	29	30	0.68	0.09	15.24	0.06	0.01	27.37	94.41	2.71	2.3	10.5	3	74	140
LG28	30	31	1.25	0.18	25.40	0.09	0.02	45.84	161.65	6.37	5.4	10.5	6	54	280
LG28	31	32	1.59	0.15	30.48	0.12	0.02	56.49	228.88	9.08	7.7	16.6	10	2.5	450
LG28	32	33	1.94	0.30	50.80	0.45	0.09	97.54	836.86	8.02	6.8	53.1	24	2.5	730
LG28	33	34	3.19	0.49	83.82	1.45	0.27	158.08	682.36	12.38	10.5	79.7	28	2.5	670
LG28	34	35	1.02	0.13	16.51	0.07	0.01	33.78	113.01	4.83	4.1	11.6	14	18	500
LG28	35	36	1.48	0.22	27.94	0.13	0.02	57.12	351.91	7.43	6.3	26.9	13	16	530
LG28	36	37	1.59	0.24	26.67	0.12	0.02	52.36	257.49	6.96	5.9	25.3	18	7	760
LG28	37	38	1.71	0.24	25.40	0.09	0.01	48.55	227.45	3.42	2.9	21.9	18	2.5	670
LG28	38	39	3.42	0.44	83.82	0.36	0.07	177.87	384.81	6.60	5.6	71.5	24	2.5	840
LG28	39	40	3.07	0.49	62.23	0.27	0.06	124.69	446.32	7.08	6	63	24	2.5	830
LG28	40	41	2.16	0.32	41.91	0.19	0.04	86.91	607.97	6.01	5.1	64.6	19	8	730
LG28	41	42	2.85	0.42	54.61	0.15	0.03	107.74	470.64	7.67	6.5	64.8	19	74	760
LG28	42	43	2.85	0.38	78.74	0.97	0.21	174.47	1031.41	10.73	9.1	99.2	22	5	750
LG28	43	44	1.48	0.23	49.53	2.06	0.34	117.28	700.96	15.45	13.1	85.1	37	13	510
LG28	44	45	1.14	0.14	36.83	2.00	0.37	103.03	197.41	13.21	11.2	138	8	2.5	200
LG28	45	46	2.62	0.43	76.20	3.53	0.56	181.00	160.22	18.51	15.7	116	6	35	200
LG28	46	47	0.68	0.10	24.13	0.79	0.14	61.49	153.07	5.54	4.7	51.7	7	2.5	200
LG28	47	48	4.10	0.49	80.01	0.53	0.10	163.71	716.69	12.26	10.4	57.1	42	2.5	1690
LG28	48	49	1.25	0.18	31.75	1.04	0.19	82.13	487.81	8.49	7.2	78.7	27	2.5	590
LG28	49	50	1.71	0.24	49.53	2.67	0.43	127.34	211.72	11.20	9.5	117	12	2.5	280

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG28	50	51	2.73	0.36	68.58	1.16	0.23	161.68	526.43	7.90	6.7	86.6	16	2.5	460
LG28	51	52	3.30	0.45	77.47	1.83	0.32	167.87	536.45	10.38	8.8	77.7	19	2.5	390
LG28	52	53	1.48	0.18	43.18	0.69	0.14	100.24	354.77	5.19	4.4	58.7	13	7	320
LG28	53	54	2.39	0.34	66.04	2.11	0.37	161.91	310.42	8.02	6.8	111.5	7	41	230
LG28	54	55	1.71	0.19	36.83	0.98	0.18	90.10	477.80	6.96	5.9	103.5	13	6	400
LG28	55	56	1.25	0.15	31.75	1.16	0.20	96.32	339.03	6.01	5.1	90.6	13	2.5	330
LG28	56	57	8.43	1.25	280.66	3.51	0.50	532.79	589.38	17.45	14.8	193	39	2.5	2500
LG28	57	58	1.82	0.31	55.88	0.88	0.18	135.48	303.27	4.72	4	102	12	7	430
LG28	58	59	4.44	0.60	107.94	0.26	0.06	205.43	788.22	14.62	12.4	62.1	38	2.5	1670
LG28	59	60	3.19	0.43	62.23	0.23	0.04	112.47	379.09	10.73	9.1	36.5	23	12	1140
LG28	60	61	4.90	0.66	85.09	0.24	0.06	165.90	563.63	13.44	11.4	31.1	33	2.5	1560
LG28	61	62	2.96	0.32	46.99	0.13	0.03	86.35	326.16	10.61	9	47.7	29	2.5	1130
LG28	62	63	2.96	0.47	49.53	0.17	0.03	92.28	286.11	8.37	7.1	32.6	17	2.5	810
LG28	63	64	1.48	0.28	30.48	0.12	0.02	56.40	237.47	4.95	4.2	23.6	10	2.5	500
LG28	64	65	2.05	0.32	31.75	0.13	0.03	63.86	324.73	4.25	3.6	22.5	16	2.5	710
LG28	65	66	2.73	0.47	86.36	1.16	0.21	194.89	244.62	5.78	4.9	83.2	14	2.5	560
LG28	66	67	2.28	0.39	69.85	1.20	0.23	157.82	316.15	6.72	5.7	79.2	12	2.5	500
LG28	67	68	2.96	0.53	36.83	0.12	0.02	70.65	300.41	3.89	3.3	22.6	18	2.5	810
LG28	68	69.2	2.85	0.58	46.99	0.17	0.04	89.62	264.65	4.25	3.6	26.6	25	2.5	1290
LG28	69.2	70	2.51	0.39	39.37	0.13	0.03	73.73	210.29	4.95	4.2	32.6	11	2.5	600
LG28	70	71	1.82	0.26	26.67	0.20	0.04	57.55	256.06	6.49	5.5	49.9	13	2.5	610
LG28	71	72	0.57	0.10	16.51	0.30	0.06	46.16	453.48	4.25	3.6	35.2	14	270	390
LG28	72	73	0.68	0.11	17.78	0.61	0.12	56.83	207.43	4.36	3.7	61	7	678	170
LG28	73	74	0.68	0.14	24.13	1.74	0.32	89.17	486.38	16.51	14	90.4	14	35	270
LG28	74	75	1.02	0.24	38.10	1.82	0.34	124.76	934.13	17.57	14.9	75.6	32	18	470
LG28	75	76	0.91	0.19	34.29	1.22	0.23	110.77	758.18	12.62	10.7	68.3	27	2.5	470
LG28	76	77	1.59	0.24	26.67	0.49	0.10	64.70	391.96	5.66	4.8	76.3	11	237	410
LG28	77	78	3.19	0.41	46.99	0.36	0.08	112.09	530.72	6.25	5.3	139	18	24	570
LG28	78	79	2.05	0.26	48.26	0.53	0.13	110.32	288.97	6.25	5.3	107	9	63	290
LG28	79	80	1.59	0.20	39.37	0.52	0.12	89.76	274.66	4.48	3.8	95.5	8	18	240
LG28	80	81	1.25	0.19	21.59	0.12	0.02	44.84	286.11	3.89	3.3	31.2	9	17	300
LG28	81	82	2.39	0.25	45.72	0.15	0.03	89.14	293.26	5.90	5	43.8	15	25	660
LG28	82	83	2.73	0.43	90.17	1.16	0.22	193.10	442.03	5.07	4.3	86.6	24	2.5	600
LG28	83	84	0.57	0.11	13.97	0.28	0.06	36.67	879.77	3.77	3.2	24.5	14	24	300
LG28	84	85	0.91	0.14	17.78	0.22	0.05	38.58	416.28	3.77	3.2	33.6	8	172	290
LG28	85	86	1.82	0.23	30.48	0.12	0.03	60.76	560.77	11.44	9.7	40.7	33	7	1550
LG28	86	87	2.05	0.23	34.29	0.13	0.03	71.73	595.10	10.73	9.1	32.1	20	15	950
LG28	87	88	1.71	0.17	25.40	0.09	0.02	50.38	430.59	6.49	5.5	27.3	12	6	530
LG28	88	89	1.02	0.16	19.05	0.10	0.02	37.47	221.73	3.54	3	25.3	12	83	490
LG28	89	90	0.91	0.15	16.51	0.10	0.02	36.48	230.31	4.60	3.9	21.3	13	5	570
LG28	90	91	1.14	0.20	34.29	0.27	0.06	77.88	310.42	5.31	4.5	46.1	10	42	360
LG28	91	92	2.85	0.40	64.77	0.29	0.06	123.34	320.44	4.48	3.8	41.7	12	2.5	360
LG28	92	93	2.62	0.33	53.34	0.16	0.04	106.55	406.27	8.02	6.8	44.5	18	7	890
LG28	93	94	3.07	0.47	68.58	2.52	0.42	180.76	260.36	10.38	8.8	89.4	14	119	550
LG28	94	95.2	2.16	0.36	96.52	3.61	0.82	311.98	371.94	10.85	9.2	238	10	2.5	260
LG28	95.2	96.4	3.19	0.44	71.12	3.32	0.57	203.27	257.49	10.97	9.3	110.5	12	29	470
LG28	96.4	97.6	2.16	0.33	100.33	3.75	0.86	317.18	311.85	10.14	8.6	237	8	2.5	220
LG28	97.6	98.3	3.87	0.57	116.83	0.84	0.19	242.37	670.92	5.19	4.4	73.4	28	5	910
LG28	98.3	99.35	2.28	0.35	39.37	0.16	0.03	75.54	227.45	3.89	3.3	21.9	20	2.5	800
LG28	99.35	100	1.48	0.25	49.53	1.19	0.22	124.50	460.63	7.31	6.2	64.2	24	33	420
LG28	100	101	1.59	0.16	53.34	0.61	0.13	127.85	580.79	6.13	5.2	59.9	23	55	570
LG28	101	102	1.37	0.09	27.94	0.53	0.09	63.60	180.25	6.13	5.2	35.5	6	77	220
LG28	102	103	1.71	0.18	38.10	0.51	0.09	83.02	452.05	7.31	6.2	58.6	16	125	410
LG28	103	104	4.21	0.66	116.83	0.76	0.15	235.61	822.55	8.37	7.1	72.5	30	6	1090
LG28	104	105	2.62	0.32	59.69	0.53	0.10	119.09	350.48	7.19	6.1	43.8	17	221	700
LG28	105	105.8	1.71	0.26	38.10	0.16	0.03	71.39	374.80	5.19	4.4	37.3	15	2.5	690

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG28	105.8	106.4	1.25	0.11	16.51	0.07	0.01	31.43	105.86	2.24	1.9	10	7	2.5	290
LG28	106.4	107	0.57	0.08	10.16	0.24	0.04	24.43	94.41	2.48	2.1	14.9	2	2.5	80
LG28	107	108	0.68	0.08	11.43	0.13	0.02	24.77	97.28	2.00	1.7	13.4	3	2.5	130
LG28	108	109	2.05	0.33	46.99	0.18	0.04	91.01	270.37	3.42	2.9	30.5	11	80	410
LG28	109	110.2	0.91	0.24	40.64	1.09	0.20	113.40	105.86	3.54	3	55.8	13	2.5	230
LG28	110.2	111.36	0.91	0.16	46.99	1.46	0.26	134.53	130.18	4.48	3.8	70.3	15	2.5	190
LG28	111.36	112	0.34	0.03	10.16	0.38	0.07	30.95	298.98	3.18	2.7	18.8	12	2.5	180
LG28	112	113	0.68	0.10	22.86	0.40	0.07	66.57	929.84	7.78	6.6	42.6	8	2.5	140
LG28	113	114	0.68	0.10	41.91	0.46	0.10	141.12	264.65	3.54	3	80.7	11	400	200
LG28	114	115	1.02	0.13	24.13	1.24	0.18	69.57	250.34	4.60	3.9	39.4	10	23	230
LG28	115	116	0.80	0.09	10.16	0.07	0.01	22.58	148.77	3.07	2.6	13.8	4	2.5	180
LG28	116	117	0.57	0.07	11.43	0.07	0.01	23.82	111.58	3.54	3	12.7	4	291	150
LG28	117	118	0.68	0.06	17.78	0.09	0.02	32.76	253.20	1.89	1.6	10.4	12	2.5	370
LG28	118	119	0.68	0.03	13.97	0.06	0.01	25.33	118.73	3.89	3.3	12.5	4	2.5	200
LG28	119	120	0.46	0.03	10.16	0.06	0.01	19.04	88.69	2.59	2.2	9.9	2	2.5	110
LG28	120	121	1.37	0.14	17.78	0.07	0.01	35.02	114.44	3.07	2.6	13.8	8	2.5	320
LG28	121	122	0.68	0.10	11.43	0.06	0.01	21.74	115.87	2.83	2.4	12.2	5	2.5	180
LG28	122	123	0.57	0.07	12.70	0.08	0.02	26.06	178.82	1.42	1.2	14.9	6	2.5	160
LG28	123	124	0.80	0.03	21.59	0.12	0.03	43.05	268.94	2.24	1.9	14.9	9	2.5	200
LG28	124	125	0.46	0.03	15.24	0.28	0.05	38.96	105.86	2.00	1.7	21.8	7	2.5	110
LG28	125	126.05	0.34	0.03	13.97	0.17	0.03	30.04	284.67	2.24	1.9	9.7	11	2.5	220
LG30	0	1	4.67	0.68	111.75	0.11	0.03	175.85	158.79	8.37	7.1	33.6	5	2.5	230
LG30	1	2	5.47	0.77	92.71	0.10	0.03	153.30	164.51	9.43	8	37.1	8	2.5	320
LG30	2	3	4.33	0.71	69.85	0.09	0.02	124.10	133.04	6.13	5.2	29.9	6	2.5	230
LG30	3	4	6.83	1.01	82.55	0.11	0.02	144.09	316.15	12.03	10.2	61.7	17	2.5	790
LG30	4	5	5.47	0.73	64.77	0.12	0.03	115.54	284.67	8.02	6.8	60	16	2.5	700
LG30	5	6	5.24	0.82	64.77	0.11	0.02	114.51	201.70	5.78	4.9	44.1	14	2.5	560
LG30	6	7	6.03	0.85	78.74	0.12	0.02	130.84	204.57	5.54	4.7	43.6	13	2.5	560
LG30	7	8	6.95	0.97	93.98	0.13	0.03	153.95	224.59	5.31	4.5	45.3	14	2.5	570
LG30	8	9	7.86	1.18	97.79	0.15	0.03	163.87	244.62	5.54	4.7	47.8	15	2.5	600
LG30	9	10	8.08	1.15	100.33	0.16	0.03	169.36	286.11	6.13	5.2	50.5	15	2.5	630
LG30	10	11.1	6.26	1.01	76.20	0.14	0.03	137.04	361.92	9.32	7.9	67.8	14	2.5	580
LG30	11.1	12.3	3.30	0.49	38.10	0.05	0.01	65.56	174.52	8.73	7.4	43.4	7	12	300
LG30	12.3	13.45	2.96	0.44	30.48	0.04	0.01	51.49	208.86	9.67	8.2	48.7	9	2.5	340
LG30	13.45	14.2	2.05	0.28	21.59	0.04	0.00	35.03	201.70	6.84	5.8	41.5	6	2.5	260
LG30	14.2	15	2.05	0.34	20.32	0.03	0.00	34.05	210.29	6.49	5.5	37.9	6	2.5	290
LG30	15	16	2.28	0.34	22.86	0.04	0.01	37.89	218.87	8.49	7.2	47.5	7	2.5	270
LG30	16	17	2.16	0.27	20.32	0.03	0.00	33.23	274.66	6.60	5.6	45.1	7	2.5	310
LG30	17	18	1.37	0.17	13.97	0.02	0.00	23.28	103.00	5.19	4.4	19	3	2.5	130
LG30	18	19	0.80	0.13	7.62	0.01	0.00	12.58	78.68	2.83	2.4	9.9	2	6	90
LG30	19	20	1.25	0.18	13.97	0.02	0.00	23.02	84.40	5.54	4.7	15.5	2	2.5	100
LG30	20	21	2.62	0.41	27.94	0.07	0.01	47.81	201.70	5.90	5	30.3	6	34	230
LG30	21	22	2.51	0.31	29.21	0.06	0.01	49.11	210.29	7.31	6.2	33.3	6	7	210
LG30	22	23	1.37	0.23	12.70	0.02	0.00	21.55	100.14	7.19	6.1	17.8	2	2.5	90
LG30	23	24.1	0.46	0.10	5.08	0.01	0.00	8.86	50.07	2.48	2.1	5.4	1	2.5	30
LG30	24.1	25.3	0.57	0.07	6.35	0.01	0.00	10.63	35.76	2.59	2.2	5.5	1	2.5	30
LG30	25.3	26.5	0.80	0.14	7.62	0.03	0.00	15.02	477.80	2.71	2.3	23.8	84	2.5	970
LG30	26.5	27.2	4.78	0.68	86.36	0.26	0.05	172.97	962.74	5.78	4.9	216	97	15	1410
LG30	27.2	28	1.94	0.28	29.21	0.09	0.01	50.81	771.05	3.42	2.9	81.9	31	40	480
LG30	28	29	2.62	0.45	45.72	0.16	0.03	86.28	765.33	4.01	3.4	94	31	9	510
LG30	29	30	4.55	0.64	87.63	0.35	0.07	184.62	1088.63	6.13	5.2	238	35	12	620
LG30	30	31	2.96	0.34	46.99	0.14	0.02	89.02	434.88	3.89	3.3	69.6	13	105	300
LG30	31	32	3.07	0.40	52.07	0.15	0.02	92.12	270.37	4.83	4.1	43	10	145	340
LG30	32	33	2.51	0.36	43.18	0.16	0.02	79.17	690.94	4.95	4.2	42.8	9	6	330
LG30	33	34	2.96	0.38	50.80	0.22	0.03	94.80	630.86	5.66	4.8	31.4	6	442	200
LG30	34	35	2.85	0.39	59.69	0.26	0.05	128.27	519.28	5.78	4.9	58.3	7	42	170

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG30	35	36	1.14	0.18	20.32	0.07	0.01	44.23	151.64	2.36	2	15.8	6	242	110
LG30	36	37	1.14	0.14	17.78	0.06	0.01	36.39	175.95	2.83	2.4	7.5	4	2.5	110
LG30	37	38	1.37	0.16	16.51	0.04	0.00	31.10	75.82	2.00	1.7	5.8	3	2.5	90
LG30	38	39	0.80	0.13	11.43	0.03	0.00	21.55	71.53	1.77	1.5	6.1	3	2.5	80
LG30	39	40	0.80	0.09	8.89	0.04	0.00	16.96	40.05	2.48	2.1	5.4	1	2.5	50
LG30	40	41	1.37	0.17	20.32	0.07	0.01	39.76	201.70	2.83	2.4	18.3	10	88	220
LG30	41	42	2.51	0.35	55.88	0.39	0.05	106.53	291.83	4.01	3.4	72.1	8	2050	190
LG30	42	43	0.57	0.15	10.16	0.01	0.00	16.81	52.93	1.42	1.2	3.9	3	13	100
LG30	43	44	1.25	0.19	29.21	0.07	0.01	50.65	314.72	3.30	2.8	18.6	5	1405	130
LG30	44	45	7.29	0.83	215.89	0.37	0.07	378.81	1039.99	10.50	8.9	80.2	8	124	180
LG30	45	46	9.79	1.26	242.56	0.75	0.17	504.36	884.06	12.85	10.9	362	8	2070	230
LG30	46	47	21.18	2.80	575.28	1.90	0.45	1159.94	1959.82	23.58	20	869	6	40	180
LG30	47	48	20.50	2.56	570.20	1.95	0.47	1108.73	3933.94	30.19	25.6	681	11	104	390
LG30	48	49	4.90	0.74	123.18	0.61	0.14	237.36	1205.93	7.90	6.7	172.5	11	1410	340
LG30	49	50	3.19	0.43	92.71	0.43	0.09	178.52	935.56	7.31	6.2	95	17	99	480
LG30	50	51	1.71	0.25	40.64	0.09	0.02	70.52	472.07	4.48	3.8	33.5	5	80	190
LG30	51	52	0.68	0.09	16.51	0.06	0.01	31.55	228.88	3.30	2.8	22.4	3	69	100
LG30	52	53	0.80	0.10	15.24	0.04	0.01	27.70	366.21	2.59	2.2	27.5	6	30	190
LG30	53	54	0.91	0.14	15.24	0.03	0.01	26.52	184.54	3.66	3.1	19.8	2	52	80
LG30	54	55	8.54	1.07	271.77	1.23	0.27	597.46	629.43	13.44	11.4	495	17	34	530
LG30	55	56	0.91	0.10	24.13	0.06	0.01	47.54	357.63	2.83	2.4	35.1	5	14	200
LG30	56	57	0.57	0.08	11.43	0.03	0.01	22.46	251.77	4.13	3.5	16.8	3	6	180
LG30	57	58	4.67	0.60	134.61	0.36	0.08	244.80	696.67	11.67	9.9	66.3	21	7	1030
LG30	58	59	1.25	0.13	34.29	0.13	0.03	65.10	645.17	3.89	3.3	37.1	7	68	320
LG30	59	60	1.14	0.17	24.13	0.16	0.03	52.83	1552.12	4.25	3.6	61.1	10	11	610
LG30	60	61	4.67	0.63	114.29	0.32	0.07	208.99	773.91	8.61	7.3	73.4	29	5	1290
LG30	61	62	0.80	0.11	17.78	0.16	0.04	41.21	977.05	4.83	4.1	65.7	4	5	180
LG30	62	63	0.91	0.11	13.97	0.07	0.02	28.03	562.20	5.07	4.3	34.6	3	5	140
LG30	63	64	1.25	0.18	30.48	0.21	0.04	65.93	811.11	4.13	3.5	76.9	4	99	120
LG30	64	65	6.15	0.77	209.54	1.15	0.22	458.86	1738.09	14.50	12.3	518	11	157	430
LG30	65	66	7.97	0.89	255.26	0.67	0.15	477.42	2832.44	13.92	11.8	329	26	9	1050
LG30	66	67	9.79	1.17	287.01	1.09	0.24	575.35	5650.57	25.59	21.7	741	51	12	1810
LG30	67	68	5.81	0.58	194.30	0.51	0.11	376.32	1645.10	8.49	7.2	187	18	13	880
LG30	68	69	7.52	0.93	165.09	0.78	0.16	355.99	1459.14	5.54	4.7	334	11	78	380
LG30	69	70	6.15	0.74	135.88	0.47	0.09	264.84	1544.97	9.08	7.7	129	30	2.5	1320
LG30	70	71	6.03	0.90	119.37	0.26	0.06	210.21	715.26	11.79	10	37.1	53	2.5	2370
LG30	71	72	6.83	0.91	128.26	0.27	0.06	223.66	741.01	10.38	8.8	34.4	55	2.5	2560
LG30	72	73	6.03	0.81	157.47	0.29	0.06	265.47	828.27	13.09	11.1	45	58	2.5	2690
LG30	73	74	2.51	0.32	71.12	0.12	0.02	118.07	911.24	5.90	5	36	23	2.5	960
LG30	74	75	0.46	0.06	10.16	0.02	0.01	19.23	496.39	2.48	2.1	23.4	4	148	120
LG30	75	76	2.62	0.28	78.74	0.24	0.05	172.22	1938.36	7.08	6	145	6	33	170
LG30	76	77	0.91	0.18	17.78	0.04	0.01	36.68	685.22	3.07	2.6	34.5	5	42	150
LG30	77	78	0.46	0.09	7.62	0.02	0.00	15.85	545.03	1.42	1.2	25.2	3	7	70
LG30	78	79	1.02	0.13	21.59	0.08	0.02	46.05	798.23	1.53	1.3	50.8	5	2.5	160
LG30	79	80	0.46	0.03	7.62	0.01	0.00	13.71	381.95	1.30	1.1	13.6	2	7	80
LG30	80	81	0.57	0.09	12.70	0.04	0.01	25.98	1356.14	3.07	2.6	59.8	4	2.5	110
LG30	81	82	1.37	0.19	39.37	0.18	0.03	93.71	6952.35	6.84	5.8	291	4	2.5	110
LG30	82	83	2.05	0.24	66.04	0.24	0.05	144.18	1451.98	3.18	2.7	96.8	4	2.5	140
LG30	83	84	1.02	0.10	25.40	0.09	0.02	53.58	1037.13	2.00	1.7	47	4	2.5	130
LG30	84	85	0.68	0.03	10.16	0.01	0.00	16.63	188.83	1.06	0.9	11	3	7	100
LG30	85	86	3.64	0.49	100.33	0.21	0.04	167.40	549.32	6.49	5.5	35.9	25	14	1070
LG30	86	87	8.43	1.11	227.32	0.56	0.12	400.26	979.91	16.75	14.2	81.4	57	2.5	2550
LG30	87	88	3.07	0.43	72.39	0.15	0.04	130.81	926.98	5.07	4.3	39.7	24	2.5	990
LG30	88	89	2.28	0.34	44.45	0.11	0.02	79.14	596.53	4.01	3.4	31.9	14	86	620
LG30	89	90	4.10	0.56	100.33	0.26	0.06	185.12	1163.02	8.61	7.3	57.8	32	2.5	1360
LG30	90	91	1.94	0.23	57.15	0.22	0.05	125.61	1916.90	5.07	4.3	83.9	7	2.5	270

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG30	91	92	7.97	0.83	251.45	0.65	0.14	465.72	1659.41	9.79	8.3	161	29	2.5	1120
LG30	92	93	2.96	0.34	92.71	0.26	0.05	173.22	699.53	3.30	2.8	87.2	15	83	560
LG30	93	94	2.96	0.39	102.87	1.11	0.18	218.46	865.47	3.66	3.1	184	11	7	220
LG30	94	95	2.73	0.34	113.02	0.58	0.13	253.35	3132.85	8.61	7.3	227	18	289	530
LG30	95	96	2.62	0.26	104.14	0.60	0.13	228.49	2295.99	6.01	5.1	159.5	13	11	340
LG30	96	97	2.96	0.36	110.48	0.56	0.13	242.05	2846.74	7.31	6.2	201	17	12	480
LG30	97	98	2.39	0.23	85.09	0.73	0.15	171.58	1108.66	3.18	2.7	88.1	8	28	150
LG30	98	99	5.24	0.55	168.90	1.36	0.30	400.14	1988.43	5.66	4.8	299	17	2.5	270
LG30	99	100	5.92	0.73	179.06	1.06	0.24	436.41	2660.78	9.55	8.1	368	10	2.5	230
LG30	100	101	5.12	0.59	240.02	0.72	0.16	494.54	2639.32	9.67	8.2	155.5	11	2.5	320
LG30	101	102	2.96	0.36	69.85	0.21	0.05	157.85	2052.80	5.90	5	113.5	14	366	450
LG30	102	103	1.94	0.22	31.75	0.18	0.04	67.00	806.82	2.83	2.4	112	11	8	430
LG30	103	104	2.28	0.31	53.34	0.53	0.11	126.50	1738.09	5.78	4.9	277	12	26	430
LG30	104	105	3.53	0.42	82.55	0.43	0.10	184.10	2603.56	5.42	4.6	207	15	939	490
LG30	105	106	4.78	0.48	119.37	0.34	0.07	258.63	1587.88	9.79	8.3	220	9	2.5	320
LG30	106	107	2.51	0.27	88.90	0.26	0.05	174.93	1552.12	7.90	6.7	71.2	7	2.5	190
LG30	107	108	2.96	0.31	115.56	0.61	0.12	273.52	1752.39	4.95	4.2	125.5	5	9	200
LG30	108	109	14.46	1.65	643.86	7.99	1.29	1278.42	1184.47	15.80	13.4	1120	9	2.5	360
LG30	109	110	2.96	0.39	102.87	0.57	0.12	236.59	1231.68	4.01	3.4	174	5	2.5	210
LG30	110	111	1.71	0.18	40.64	0.17	0.03	83.86	659.47	2.48	2.1	49.8	5	6	200
LG30	111	112	1.59	0.22	45.72	0.23	0.04	94.77	589.38	3.30	2.8	55.2	7	11	190
LG30	112	113	1.48	0.17	39.37	0.18	0.04	83.56	600.82	3.18	2.7	54.9	7	2.5	190
LG30	113	114	3.76	0.55	86.36	0.32	0.08	193.91	975.62	3.77	3.2	118.5	11	9	280
LG30	114	115	1.94	0.27	69.85	0.26	0.06	149.85	1072.89	7.43	6.3	136	9	2.5	280
LG30	115	116	4.10	0.41	171.44	0.72	0.18	441.48	2088.57	25.47	21.6	233	20	2.5	470
LG30	116	117	1.71	0.22	43.18	0.07	0.01	82.35	2253.08	20.05	17	109	6	2.5	200
LG30	117	118	1.48	0.18	39.37	0.18	0.04	102.45	2360.37	5.54	4.7	90.1	8	2.5	250
LG30	118	119	2.39	0.26	104.14	0.81	0.21	374.46	3790.89	7.19	6.1	264	6	2.5	170
LG30	119	120	1.94	0.22	55.88	0.36	0.09	138.78	2188.70	6.25	5.3	81.9	12	2.5	390
LG30	120	121	1.71	0.16	34.29	0.12	0.03	79.99	3190.07	7.43	6.3	83.3	11	2.5	440
LG30	121	122	1.02	0.15	27.94	0.14	0.03	59.92	1318.94	2.83	2.4	56.1	8	78	290
LG30	122	123	1.02	0.10	27.94	0.14	0.03	59.07	1047.14	2.00	1.7	40.3	8	44	260
LG30	123	124	3.19	0.35	115.56	0.36	0.08	229.44	984.20	6.01	5.1	59.5	16	86	550
LG30	124	125	5.24	0.66	137.15	0.60	0.13	296.55	1466.29	10.38	8.8	142	12	748	370
LG30	125	126	2.85	0.36	92.71	0.56	0.13	207.67	2052.80	16.86	14.3	156	8	2.5	280
LG30	126	127	7.06	0.81	212.08	0.68	0.17	484.12	4363.10	22.29	18.9	389	15	8	650
LG30	127	128	4.90	0.60	191.76	0.53	0.12	401.69	4391.71	20.40	17.3	261	8	2.5	240
LG30	128	129	1.71	0.24	58.42	0.26	0.06	145.29	4735.04	12.15	10.3	152	8	2.5	200
LG30	129	130	3.30	0.39	111.75	0.38	0.09	242.22	2381.82	8.14	6.9	111.5	26	7	1070
LG30	130	131	3.64	0.41	102.87	0.12	0.02	170.26	662.33	4.72	4	29.8	28	2.5	1200
LG30	131	132	7.17	0.85	208.27	0.13	0.02	319.33	1057.16	11.08	9.4	61.3	33	2.5	1510
LG30	132	133	3.42	0.41	149.85	0.50	0.10	332.41	6723.47	41.39	35.1	321	8	2.5	270
LG30	133	134	23.23	2.71	838.16	1.99	0.45	1702.26	10442.83	85.02	72.1	902	10	2.5	300
LG30	134	135	8.43	1.10	322.56	0.67	0.16	651.11	4663.51	48.35	41	338	14	5	610
LG30	135	136	36.32	4.03	1536.63	2.87	0.74	3201.21	12903.34	193.40	164	1175	16	298	650
LG30	136	137.1	25.16	2.98	1036.27	1.96	0.47	2030.07	9269.80	132.66	112.5	715	8	4330	260
LG31	25	26	4.67	0.82	66.04	0.12	0.02	110.81	244.62	10.02	8.5	41.2	13	2.5	520
LG31	26	27	7.17	1.02	86.36	0.09	0.02	134.78	276.09	13.21	11.2	37.8	11	2.5	480
LG31	27	28	11.16	1.77	154.93	0.10	0.02	227.89	155.93	11.20	9.5	33.2	9	2.5	360
LG31	28	29	6.83	1.13	87.63	0.14	0.03	144.82	233.18	13.68	11.6	45.1	14	2.5	600
LG31	29	30	6.26	0.99	77.47	0.16	0.03	137.10	280.38	20.64	17.5	48.8	16	2.5	680
LG31	30	31	5.81	0.91	64.77	0.16	0.03	119.39	263.22	9.43	8	49.1	17	2.5	640
LG31	31	32	6.49	1.05	71.12	0.17	0.03	131.08	284.67	8.73	7.4	49.5	17	2.5	700
LG31	32	33	5.92	1.05	76.20	0.17	0.03	135.93	303.27	9.08	7.7	51.2	17	2.5	720
LG31	33	34	6.49	0.99	76.20	0.17	0.03	136.39	284.67	8.61	7.3	49.7	16	2.5	680
LG31	34	35	6.26	1.02	76.20	0.17	0.03	136.81	291.83	9.67	8.2	54.1	17	2.5	680

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG31	35	36	6.83	1.08	82.55	0.17	0.03	145.66	301.84	7.78	6.6	49.9	17	2.5	690
LG31	36	37	6.95	1.08	80.01	0.17	0.03	143.13	329.02	8.02	6.8	51.2	18	2.5	740
LG31	37	38	7.40	1.16	85.09	0.18	0.03	151.97	331.88	8.61	7.3	54.6	18	2.5	750
LG31	38	39	9.45	1.40	109.21	0.21	0.04	191.34	339.03	7.90	6.7	60.4	17	2.5	730
LG31	39	40	12.07	1.69	149.85	0.25	0.04	249.01	390.53	7.90	6.7	62.9	18	2.5	760
LG31	40	41	9.79	1.51	120.64	0.26	0.05	209.21	413.42	8.37	7.1	63.4	19	2.5	790
LG31	41	42	10.02	1.36	119.37	0.28	0.05	211.53	444.89	10.14	8.6	70.7	20	2.5	840
LG31	42	43	7.52	1.16	93.98	0.27	0.05	172.84	410.56	12.03	10.2	64.2	18	2.5	760
LG31	43	44	9.68	1.16	107.94	0.28	0.05	196.25	489.24	12.38	10.5	71.2	21	2.5	880
LG31	44	45	9.79	1.46	113.02	0.29	0.05	205.65	536.45	11.32	9.6	74.6	23	2.5	980
LG31	45	46	8.31	1.23	100.33	0.29	0.05	185.69	447.75	10.14	8.6	69	18	2.5	740
LG31	46	47	8.08	1.22	102.87	0.29	0.05	187.28	443.46	8.61	7.3	67.9	18	2.5	720
LG31	47	48	7.97	1.26	100.33	0.30	0.05	186.12	500.68	8.73	7.4	71.8	19	2.5	780
LG31	48	49	8.31	1.32	99.06	0.28	0.05	182.40	499.25	10.26	8.7	70.6	19	2.5	780
LG31	49	50	8.43	1.34	109.21	0.27	0.05	195.77	522.14	11.67	9.9	69	20	2.5	860
LG31	50	51	8.65	1.27	104.14	0.30	0.06	190.31	628.00	12.50	10.6	82.1	19	2.5	820
LG31	51	52	7.52	1.15	87.63	0.27	0.05	162.93	569.35	18.87	16	82.3	16	2.5	680
LG31	52	53	6.03	0.80	59.69	0.15	0.03	110.35	319.01	21.93	18.6	57.2	11	2.5	460
LG31	53	54	3.42	0.53	38.10	0.09	0.02	66.45	247.48	13.09	11.1	41.4	9	2.5	340
LG31	54	55	2.85	0.41	27.94	0.09	0.02	51.11	231.75	10.38	8.8	29.3	6	2.5	260
LG31	55	56	2.96	0.49	36.83	0.14	0.03	68.01	426.30	8.61	7.3	40.5	8	2.5	360
LG31	56	57	2.73	0.51	34.29	0.14	0.03	61.09	550.75	6.84	5.8	40.7	10	2.5	440
LG31	57	58	2.51	0.43	30.48	0.13	0.03	54.70	603.68	7.67	6.5	37.4	9	2.5	390
LG31	58	59	2.16	0.27	24.13	0.12	0.02	45.23	506.41	8.02	6.8	32.9	7	2.5	310
LG31	59	60	2.16	0.38	21.59	0.09	0.02	38.82	357.63	8.61	7.3	23.4	5	2.5	240
LG31	60	61	1.82	0.30	20.32	0.08	0.02	37.34	311.85	8.37	7.1	23.8	5	2.5	220
LG31	61	62	1.94	0.24	21.59	0.08	0.02	38.76	251.77	10.85	9.2	21.9	4	2.5	180
LG31	62	63	2.51	0.38	31.75	0.09	0.02	57.51	298.98	9.20	7.8	28.4	7	2.5	270
LG31	63	64	1.48	0.26	17.78	0.05	0.01	30.06	256.06	10.50	8.9	17.8	4	2.5	180
LG31	64	65	1.37	0.25	11.43	0.02	0.00	20.21	77.25	9.32	7.9	7	1	2.5	50
LG31	65	66	0.80	0.15	10.16	0.01	0.00	16.47	70.10	7.43	6.3	5.3	1	2.5	40
LG31	66	67	1.94	0.26	17.78	0.02	0.00	28.81	194.55	12.03	10.2	11.4	2	2.5	100
LG31	67	68	1.71	0.20	12.70	0.01	0.00	22.23	163.08	8.84	7.5	10.8	3	2.5	100
LG31	68	69	1.37	0.24	13.97	0.01	0.00	22.71	120.16	6.37	5.4	7.4	2	2.5	70
LG31	69	70	1.14	0.22	11.43	0.01	0.00	19.41	34.33	6.84	5.8	3.6	1	15	30
LG31	70	71	1.48	0.26	15.24	0.01	0.00	24.59	175.95	6.37	5.4	8.5	3	2.5	90
LG31	71	72	1.82	0.26	19.05	0.03	0.01	32.20	283.24	6.96	5.9	15.4	4	2.5	140
LG31	72	73	1.37	0.22	17.78	0.04	0.01	28.59	386.24	4.01	3.4	16.4	4	2.5	160
LG31	73	74	0.68	0.15	8.89	0.02	0.00	15.08	135.90	2.83	2.4	6.1	2	2.5	60
LG31	74	75	0.91	0.15	11.43	0.02	0.00	17.96	158.79	3.18	2.7	5.5	2	274	80
LG31	75	76	0.68	0.10	11.43	0.02	0.00	16.72	101.57	2.36	2	5.2	2	116	100
LG31	76	77	0.57	0.09	10.16	0.02	0.00	15.27	100.14	2.48	2.1	5.3	1	2.5	70
LG31	77	78	0.68	0.09	10.16	0.03	0.00	18.00	92.98	3.18	2.7	3.7	1	2.5	60
LG31	78	79	0.80	0.10	13.97	0.05	0.01	27.04	75.82	3.77	3.2	4.1	1	2.5	50
LG31	79	80	1.25	0.18	21.59	0.10	0.01	38.34	180.25	6.37	5.4	8.8	2	22	90
LG31	80	81	1.25	0.16	26.67	0.14	0.03	51.78	313.29	5.07	4.3	9.4	1	25	70
LG31	81	82	0.91	0.15	16.51	0.05	0.00	28.49	22.89	5.54	4.7	2.2	0.5	2.5	30
LG31	82	83	1.14	0.13	17.78	0.04	0.00	29.40	21.46	6.13	5.2	2.4	1	2.5	30
LG31	83	84	0.80	0.13	16.51	0.03	0.01	30.35	7.15	4.25	3.6	2.6	0.5	2.5	20
LG31	84	85	0.80	0.08	15.24	0.03	0.00	27.35	11.44	3.54	3	1.8	0.5	2.5	20
LG31	85	86	1.59	0.22	24.13	0.03	0.01	44.64	27.18	4.95	4.2	3	1	2.5	30
LG31	86	87	9.22	1.23	251.45	0.37	0.12	462.47	689.51	6.49	5.5	72.9	16	12	280
LG31	87	88	6.95	0.73	148.58	0.34	0.10	301.91	2532.03	7.90	6.7	56.4	34	8	940
LG31	88	89	7.52	0.88	153.66	0.36	0.10	305.86	3862.42	8.49	7.2	58.1	22	2.5	810
LG31	89	90	0.68	0.13	12.70	0.01	0.00	19.88	38.62	2.59	2.2	2.3	1	2.5	30
LG31	90	91	0.68	0.08	8.89	0.01	0.00	15.01	45.78	1.53	1.3	5.4	1	2.5	60

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG31	91	92	1.02	0.09	10.16	0.01	0.00	16.81	57.22	2.24	1.9	9.5	1	2.5	40
LG31	92	93	0.80	0.10	20.32	0.30	0.04	41.38	406.27	2.83	2.4	20.2	4	21	130
LG31	93	94	1.59	0.20	46.99	0.83	0.15	109.04	1115.81	4.48	3.8	85.7	6	7	190
LG31	94	95	3.76	0.44	128.26	2.09	0.42	304.67	3819.50	9.67	8.2	255	6	15	190
LG31	95	96	1.82	0.20	64.77	0.71	0.14	142.85	2067.11	6.37	5.4	79.9	6	24	180
LG31	96	97	0.80	0.13	20.32	0.17	0.03	41.87	379.09	3.66	3.1	23.3	4	14	140
LG31	97	98	1.37	0.18	44.45	0.31	0.06	97.40	1071.46	4.36	3.7	41.7	7	2.5	200
LG31	98	99	1.14	0.11	33.02	0.20	0.04	70.22	625.14	2.71	2.3	25.1	8	25	270
LG31	99	100	0.57	0.06	13.97	0.07	0.01	29.62	250.34	1.53	1.3	12.6	7	15	210
LG31	100	101	0.68	0.11	22.86	0.25	0.04	50.46	507.84	2.59	2.2	23.3	4	2400	120
LG31	101	102	0.91	0.07	25.40	0.20	0.04	53.99	1072.89	3.18	2.7	30.4	3	108	110
LG31	102	103	0.57	0.10	19.05	0.11	0.02	36.35	360.49	3.30	2.8	12.9	3	91	90
LG31	103	104	0.91	0.11	27.94	0.23	0.04	57.17	672.35	2.48	2.1	19.2	5	31	120
LG31	104	105	0.57	0.08	12.70	0.07	0.01	23.53	263.22	2.36	2	9	2	114	70
LG31	105	106	1.14	0.11	30.48	0.24	0.05	63.93	2045.65	6.60	5.6	41.3	4	2.5	140
LG31	106	107	0.68	0.10	20.32	0.09	0.02	35.40	339.03	3.07	2.6	10.6	4	2.5	130
LG31	107	108	1.48	0.17	54.61	0.43	0.09	118.61	2617.86	6.25	5.3	41.7	4	2.5	110
LG31	108	109	1.59	0.20	53.34	0.50	0.10	120.15	1005.66	4.36	3.7	30.7	4	2.5	100
LG31	109	110	1.02	0.11	33.02	0.27	0.05	67.06	443.46	3.66	3.1	15	3	2.5	80
LG31	110	111	1.02	0.15	21.59	0.06	0.01	37.05	228.88	3.77	3.2	11.8	4	2.5	130
LG31	111	112	0.80	0.11	24.13	0.16	0.03	52.86	639.44	2.48	2.1	23	4	25	110
LG31	112	113	0.57	0.09	15.24	0.08	0.02	30.56	339.03	1.65	1.4	12.2	4	64	110
LG31	113	114	0.80	0.11	20.32	0.10	0.02	39.60	273.23	3.66	3.1	15.7	4	77	140
LG31	114	115	0.57	0.10	10.16	0.02	0.00	16.39	80.11	4.95	4.2	4.5	1	16	50
LG31	115	116	1.14	0.14	26.67	0.22	0.04	57.86	1487.75	4.01	3.4	25.4	5	44	180
LG31	116	117	1.71	0.22	50.80	0.59	0.12	121.21	1334.68	3.77	3.2	33.8	6	23	170
LG31	117	118	1.25	0.13	44.45	0.61	0.12	106.95	1616.49	3.66	3.1	33.3	6	11	170
LG31	118	119	1.37	0.19	43.18	0.49	0.09	94.29	1413.36	2.95	2.5	28.6	5	5	140
LG31	119	120	2.05	0.26	59.69	0.62	0.12	133.40	1895.45	3.66	3.1	42.8	6	2.5	140
LG31	120	121	1.14	0.11	36.83	0.32	0.06	78.85	972.76	4.48	3.8	34.8	4	7	110
LG31	121	122	1.14	0.16	49.53	0.54	0.11	117.77	1895.45	4.83	4.1	59.6	4	6	80
LG31	122	123	0.80	0.14	24.13	0.16	0.03	49.59	526.43	4.60	3.9	25.7	6	12	150
LG31	123	124	0.91	0.08	27.94	0.23	0.05	64.48	957.02	4.60	3.9	41	6	2.5	120
LG31	124	125	0.80	0.11	26.67	0.20	0.04	59.23	1098.64	3.89	3.3	40.7	10	2.5	170
LG31	125	126	0.68	0.08	22.86	0.16	0.03	47.35	855.45	2.71	2.3	23.8	7	2.5	110
LG31	126	127	1.59	0.11	48.26	0.29	0.06	104.75	1243.13	2.59	2.2	52.8	5	2.5	90
LG31	127	128	5.58	0.57	189.22	0.61	0.13	373.89	3290.21	4.83	4.1	141.5	6	2.5	180
LG31	128	129	3.19	0.28	123.18	0.45	0.09	243.66	2846.74	4.01	3.4	91.7	6	2.5	150
LG31	129	130	1.37	0.17	57.15	0.38	0.08	118.40	3819.50	4.25	3.6	55.4	8	36	200
LG31	130	131	8.31	0.93	355.58	2.28	0.49	737.84	63944.47	19.46	16.5	425	11	2.5	210
LG31	131	132	10.36	1.16	457.18	3.01	0.64	921.54	15664.25	23.23	19.7	193.5	20	2.5	580
LG31	132	133	1.94	0.19	83.82	0.74	0.15	175.56	3118.54	10.26	8.7	58.2	9	2.5	270
LG31	133	134	2.39	0.25	72.39	0.49	0.10	147.53	1902.60	7.31	6.2	54	10	7	290
LG31	134	135	1.14	0.11	34.29	0.16	0.03	67.80	778.21	3.30	2.8	25.9	5	2.5	150
LG31	135	136	1.37	0.17	50.80	0.45	0.09	111.80	954.16	3.89	3.3	41.4	5	2.5	150
LG31	136	137	2.05	0.26	43.18	0.44	0.08	101.07	1124.39	3.18	2.7	51.1	11	2.5	290
LG31	137	138	1.94	0.25	49.53	0.44	0.09	115.16	1652.26	4.36	3.7	48.4	5	22	140
LG31	138	139	1.25	0.15	30.48	0.29	0.06	72.21	934.13	4.36	3.7	35	7	7	200
LG31	139	140	2.85	0.27	110.48	0.96	0.20	261.27	2274.53	10.50	8.9	83.9	5	2.5	130
LG31	140	141	2.85	0.32	119.37	0.92	0.19	274.19	5836.54	20.40	17.3	137.5	4	2.5	150
LG31	141	142	1.14	0.11	40.64	0.38	0.08	95.83	1838.22	9.43	8	44.1	5	2.5	210
LG31	142	143	2.28	0.20	82.55	0.87	0.18	204.01	3576.31	12.74	10.8	91	3	2.5	120
LG31	143	144	7.52	0.91	278.12	4.47	0.78	635.88	4735.04	19.34	16.4	245	5	7	210
LG31	144	145	21.18	2.46	525.76	3.36	0.66	1123.06	12202.38	25.71	21.8	501	11	5	410
LG31	145	146	44.86	5.01	1263.59	10.60	2.17	2961.69	17452.41	51.18	43.4	1310	14	2.5	600
LG31	146	147	1.59	0.20	49.53	0.74	0.15	128.87	1544.97	3.89	3.3	51.4	7	2.5	170

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG31	147	148	2.85	0.27	76.20	1.45	0.29	206.09	1637.95	4.25	3.6	50.4	6	2.5	180
LG31	148	149	2.39	0.32	63.50	0.72	0.14	150.62	1530.66	4.83	4.1	50.8	8	4760	240
LG31	149	150	2.05	0.24	57.15	0.58	0.13	158.67	1981.28	7.31	6.2	83.1	8	2.5	250
LG31	150	151	1.48	0.14	45.72	0.47	0.11	144.78	3047.02	5.31	4.5	133.5	6	2.5	160
LG31	151	152	1.48	0.10	55.88	0.72	0.16	197.05	2617.86	4.13	3.5	155	6	61	150
LG31	152	153.1	1.59	0.17	59.69	1.00	0.23	241.82	1916.90	3.18	2.7	183	2	2.5	70
LG32	1	2	2.85	0.40	39.37	0.05	0.01	59.24	171.66	5.07	4.3	32.2	9	2.5	410
LG32	2	3	3.76	0.67	49.53	0.08	0.01	77.88	244.62	7.90	6.7	50.2	14	2.5	620
LG32	3	4	5.01	0.67	58.42	0.09	0.01	92.65	291.83	9.32	7.9	59.7	17	8	770
LG32	4	5	6.72	0.94	77.47	0.10	0.01	123.29	409.13	12.85	10.9	90.1	23	7	1040
LG32	5	6	8.65	1.16	96.52	0.13	0.02	164.81	371.94	15.68	13.3	70.5	23	6	1000
LG32	6	7	8.54	1.21	133.34	0.20	0.04	217.54	419.14	20.99	17.8	64.6	19	5	810
LG32	7	8	7.63	1.16	92.71	0.27	0.05	161.66	891.22	11.79	10	79.6	29	9	1360
LG32	8	9	7.06	0.86	86.36	0.28	0.05	150.77	798.23	10.14	8.6	83.3	24	7	1080
LG32	9	10	5.01	0.73	66.04	0.18	0.03	120.31	331.88	5.90	5	56.7	15	2.5	660
LG32	10	11	5.47	0.73	64.77	0.17	0.03	120.87	294.69	6.60	5.6	55.1	15	2.5	640
LG32	11	12	5.58	0.82	64.77	0.15	0.03	119.90	267.51	6.96	5.9	49.3	16	2.5	670
LG32	12	13	5.69	0.82	66.04	0.16	0.03	119.63	284.67	7.19	6.1	48.4	15	2.5	670
LG32	13	14	5.81	0.73	66.04	0.15	0.03	120.61	261.79	7.31	6.2	49.7	15	2.5	660
LG32	14	15	5.35	0.82	63.50	0.16	0.03	116.79	298.98	6.37	5.4	51	15	2.5	670
LG32	15	16	6.26	0.89	67.31	0.17	0.03	125.99	334.74	7.67	6.5	48.8	18	2.5	700
LG32	16	17	5.58	0.88	64.77	0.15	0.03	120.62	256.06	6.84	5.8	45	17	2.5	620
LG32	17	18	6.49	0.92	73.66	0.21	0.04	133.96	480.66	8.02	6.8	56.9	21	5	840
LG32	18	19	5.24	0.85	62.23	0.15	0.03	116.22	243.19	6.25	5.3	41.9	16	2.5	620
LG32	19	20	5.92	0.85	60.96	0.15	0.03	116.34	246.05	6.60	5.6	43.4	17	2.5	630
LG32	20	21	6.15	0.80	64.77	0.16	0.03	121.55	253.20	7.78	6.6	43.9	17	2.5	640
LG32	21	22	5.58	0.91	63.50	0.15	0.03	118.98	257.49	8.25	7	44.3	18	2.5	680
LG32	22	23	6.15	0.73	66.04	0.15	0.03	120.22	270.37	8.37	7.1	41.8	18	2.5	690
LG32	23	24	5.58	0.78	64.77	0.14	0.03	118.57	264.65	9.32	7.9	51.4	17	2.5	690
LG32	24	25	6.49	0.92	68.58	0.15	0.03	125.95	281.81	7.55	6.4	44.4	18	2.5	700
LG32	25	26	6.60	0.88	72.39	0.16	0.03	132.98	300.41	7.31	6.2	47.8	19	2.5	750
LG32	26	27	6.03	0.96	64.77	0.16	0.03	121.49	268.94	6.60	5.6	46.7	16	2.5	630
LG32	27	28	6.60	0.80	71.12	0.18	0.03	134.55	273.23	6.37	5.4	50.4	16	2.5	610
LG32	28	29	5.81	0.93	69.85	0.18	0.03	130.03	281.81	6.49	5.5	47.2	16	2.5	630
LG32	29	30	6.60	0.94	73.66	0.17	0.03	133.27	296.12	6.72	5.7	46.7	18	2.5	700
LG32	30	31	6.49	0.88	73.66	0.18	0.03	135.09	321.87	7.78	6.6	49	18	2.5	740
LG32	31	32	6.38	0.88	71.12	0.18	0.03	134.63	330.45	7.78	6.6	50	18	2.5	730
LG32	32	33	6.15	0.78	68.58	0.16	0.03	125.74	306.13	9.55	8.1	45.9	18	2.5	690
LG32	33	34	6.72	1.01	67.31	0.17	0.03	128.33	287.54	9.08	7.7	47.4	16	2.5	630
LG32	34	35	6.83	1.01	73.66	0.19	0.04	136.92	324.73	9.32	7.9	50.5	17	2.5	670
LG32	35	36	6.38	0.84	59.69	0.19	0.04	115.26	316.15	9.32	7.9	46.3	15	2.5	560
LG32	36	37	8.31	1.16	83.82	0.29	0.06	154.07	525.00	11.44	9.7	59.7	19	2.5	740
LG32	37	38	6.83	0.91	63.50	0.29	0.06	125.44	507.84	12.85	10.9	59.5	19	2.5	720
LG32	38	39	6.38	0.96	53.34	0.27	0.05	104.34	493.53	15.92	13.5	50.6	14	2.5	600
LG32	39	40	6.38	0.93	55.88	0.25	0.05	105.60	565.06	15.33	13	54.3	16	2.5	660
LG32	40	41	6.49	0.94	54.61	0.28	0.05	106.63	569.35	13.68	11.6	55	16	2.5	700
LG32	41	42	7.29	1.06	62.23	0.30	0.05	120.98	569.35	14.03	11.9	59	16	2.5	710
LG32	42	43	7.40	1.03	59.69	0.27	0.05	114.69	529.29	13.80	11.7	55.9	17	2.5	740
LG32	43	44	2.96	0.53	30.48	0.08	0.01	51.99	171.66	10.26	8.7	24.6	7	2.5	260
LG32	44	45	2.51	0.38	22.86	0.06	0.01	38.56	148.77	8.96	7.6	21.1	5	2.5	230
LG32	45	46	4.67	0.72	34.29	0.09	0.02	62.94	227.45	16.39	13.9	36.4	8	2.5	320
LG32	46	47	3.53	0.50	29.21	0.07	0.01	50.96	170.23	15.45	13.1	36.7	7	2.5	250
LG32	47	48	4.55	0.67	40.64	0.13	0.02	76.87	193.12	8.14	6.9	34.9	9	2.5	300
LG32	48	49	3.76	0.53	31.75	0.12	0.02	59.67	174.52	8.14	6.9	26.8	6	2.5	250
LG32	49	50	2.96	0.45	25.40	0.06	0.01	45.69	143.05	8.96	7.6	25.5	6	2.5	220
LG32	50	51	1.94	0.31	17.78	0.04	0.01	31.62	108.72	6.84	5.8	21.4	5	2.5	190

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG32	51	52	2.73	0.42	24.13	0.08	0.01	43.34	220.30	7.78	6.6	30.6	8	2.5	340
LG32	52	53	1.94	0.31	19.05	0.04	0.01	33.26	138.76	6.01	5.1	24.3	6	2.5	230
LG32	53	54	2.73	0.45	27.94	0.07	0.01	48.96	397.69	10.61	9	46.4	11	2.5	430
LG32	54	55	3.76	0.58	39.37	0.13	0.02	71.22	536.45	12.15	10.3	57.3	14	2.5	560
LG32	55	56	2.73	0.41	26.67	0.08	0.01	48.43	469.21	10.85	9.2	56.8	12	2.5	430
LG32	56	57	2.39	0.39	21.59	0.06	0.01	39.36	373.37	10.14	8.6	60.7	11	2.5	400
LG32	57	58	2.39	0.34	22.86	0.06	0.01	41.99	540.74	12.74	10.8	76.4	11	2.5	420
LG32	58	59	2.05	0.30	20.32	0.06	0.01	37.72	350.48	8.84	7.5	63.7	12	2.5	420
LG32	59	60	1.82	0.31	20.32	0.09	0.01	37.95	343.33	7.55	6.4	62.3	11	10	410
LG32	60	61	2.28	0.27	21.59	0.11	0.02	44.11	370.51	8.14	6.9	50.3	8	2.5	310
LG32	61	62	2.05	0.25	20.32	0.10	0.01	38.26	655.18	6.37	5.4	49.6	10	2.5	400
LG32	62	63	1.94	0.24	29.21	0.24	0.04	57.28	934.13	7.43	6.3	72.6	11	2.5	450
LG32	63	64	7.17	1.02	129.53	1.39	0.27	278.53	1573.58	8.14	6.9	101.5	29	2.5	1100
LG32	64	65	8.43	1.14	240.02	2.50	0.51	525.42	2145.79	8.37	7.1	117	20	2.5	720
LG32	65	66	8.20	1.22	250.18	2.14	0.44	532.91	1258.86	9.08	7.7	71.5	26	2.5	990
LG32	66	67	6.60	0.86	214.62	1.99	0.33	460.67	1188.77	6.72	5.7	108.5	11	9	380
LG32	67	68	4.67	0.60	119.37	1.20	0.19	277.67	1391.90	5.78	4.9	82.2	8	2.5	270
LG32	68	69	7.52	1.00	151.12	1.27	0.22	336.47	1284.61	8.61	7.3	53.5	24	2.5	910
LG32	69	70	7.40	0.80	223.51	2.03	0.40	540.53	1050.01	13.80	11.7	57.6	12	2.5	460
LG32	70	71	7.17	0.83	220.97	1.75	0.31	535.79	932.70	9.67	8.2	37.2	17	2.5	590
LG32	71	72	3.42	0.34	106.67	1.08	0.19	295.16	1380.46	12.62	10.7	57	6	2.5	220
LG32	72	73	5.58	0.61	173.98	1.89	0.35	503.97	1609.34	14.03	11.9	96.2	6	2.5	220
LG32	73	74	4.21	0.73	153.66	0.89	0.15	342.50	756.75	10.02	8.5	88.8	3	2.5	140
LG32	74	75	3.30	0.44	105.40	0.74	0.14	239.80	879.77	11.56	9.8	75.3	7	2.5	270
LG32	75	76	4.33	0.58	165.09	1.54	0.30	438.48	2038.50	23.35	19.8	141.5	4	2.5	220
LG32	76	77	5.01	0.76	201.92	1.71	0.31	484.02	2009.89	21.58	18.3	163	6	2.5	270
LG32	77	78	4.90	0.78	175.25	1.57	0.28	439.09	1437.68	16.04	13.6	178.5	11	2.5	420
LG32	78	79	9.45	1.30	433.05	2.91	0.54	965.18	3662.14	25.94	22	292	10	2.5	380
LG32	79	80	9.22	1.40	379.71	3.22	0.60	837.87	5121.28	22.17	18.8	231	13	2.5	570
LG32	80	81	8.43	1.26	360.66	2.72	0.56	767.38	2689.39	21.70	18.4	322	17	2.5	710
LG32	81	82	3.53	0.44	165.09	1.04	0.19	341.14	2059.96	8.25	7	186.5	10	2.5	430
LG32	82	83	2.96	0.39	109.21	1.12	0.19	247.63	3604.92	10.26	8.7	126	6	2.5	230
LG32	83	84	2.62	0.35	88.90	0.65	0.11	203.27	1316.08	12.38	10.5	89.6	5	2.5	140
LG32	84	85	1.82	0.23	64.77	0.57	0.11	155.02	3819.50	12.74	10.8	67.1	3	2.5	110
LG32	85	86	2.39	0.40	77.47	0.46	0.09	174.34	5135.59	17.33	14.7	91.9	14	2.5	550
LG32	86	87	4.90	0.68	109.21	0.22	0.05	188.44	762.47	13.21	11.2	38.3	39	2.5	1710
LG32	87	88	4.67	0.60	106.67	0.23	0.05	192.15	693.80	11.67	9.9	44.8	34	2.5	1520
LG32	88	89	4.67	0.53	90.17	0.30	0.06	173.69	716.69	11.20	9.5	50.5	33	2.5	1440
LG32	89	90	4.10	0.55	87.63	0.25	0.05	162.09	605.11	10.73	9.1	38.5	34	2.5	1500
LG32	90	91	3.87	0.60	81.28	0.25	0.04	151.06	646.60	12.85	10.9	52.1	37	2.5	1610
LG32	91	92	3.87	0.60	86.36	0.26	0.05	156.86	703.82	10.85	9.2	47.3	43	2.5	1840
LG32	92	93	1.82	0.16	60.96	0.30	0.07	134.17	1374.73	8.49	7.2	62.1	13	2.5	430
LG32	93	94	1.59	0.23	69.85	0.33	0.06	157.33	729.57	9.55	8.1	67.1	9	2.5	260
LG32	94	95	1.59	0.23	54.61	0.43	0.07	136.43	3490.48	12.85	10.9	91.5	4	2.5	110
LG32	95	96	1.25	0.16	44.45	0.38	0.07	121.06	991.35	6.01	5.1	82.2	7	2.5	180
LG32	96	97	1.82	0.18	80.01	0.48	0.11	197.80	904.09	5.90	5	97.2	19	2.5	560
LG32	97	98	1.59	0.26	54.61	0.30	0.06	133.88	1077.19	8.02	6.8	74.3	11	2.5	360
LG32	98	99	1.59	0.18	90.17	0.95	0.18	271.73	2224.47	8.73	7.4	154.5	6	315	140
LG32	99	100	4.44	0.50	208.27	4.68	0.89	603.53	3633.53	14.98	12.7	330	12	2.5	460
LG32	100	101	1.25	0.10	66.04	0.86	0.18	218.29	1088.63	7.19	6.1	149.5	3	2.5	90
LG32	101	102	1.37	0.15	53.34	0.49	0.08	136.45	2145.79	11.32	9.6	94.2	3	2.5	90
LG32	102	103	1.59	0.18	54.61	0.42	0.07	139.79	1745.24	7.55	6.4	101.5	12	2.5	430
LG32	103	104	2.96	0.47	72.39	0.22	0.05	141.74	507.84	2.12	1.8	32.6	34	2.5	1330
LG32	104	105	3.87	0.44	97.79	0.29	0.06	185.62	590.81	10.50	8.9	50.6	32	2.5	1440
LG32	105	106	4.78	0.55	92.71	0.27	0.06	176.52	616.56	9.08	7.7	48.4	36	2.5	1510
LG32	106	107	4.44	0.50	86.36	0.23	0.05	160.24	572.21	8.49	7.2	41.2	36	2.5	1510

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG32	107	108	3.99	0.49	82.55	0.25	0.05	155.12	539.31	7.19	6.1	37.4	30	2.5	1210
LG32	108	109	2.85	0.30	88.90	0.39	0.07	167.99	1371.87	3.66	3.1	28	14	2.5	390
LG32	109	110	1.94	0.27	77.47	0.32	0.06	152.74	1809.61	3.66	3.1	45.9	10	2.5	260
LG32	110	111	1.71	0.20	71.12	0.37	0.07	155.99	423.44	3.18	2.7	70.9	4	2.5	110
LG32	111	112	1.82	0.18	68.58	0.33	0.06	142.60	998.51	4.60	3.9	59.4	6	2.5	150
LG32	112	113	1.37	0.16	52.07	0.49	0.10	146.23	4463.24	6.72	5.7	132.5	3	2.5	120
LG32	113	114	3.87	0.42	91.44	0.42	0.07	170.11	918.40	9.55	8.1	80.4	19	2.5	900
LG32	114	115	4.33	0.51	101.60	0.23	0.05	176.79	603.68	9.32	7.9	40	36	2.5	1610
LG32	115	116	3.53	0.42	118.10	0.89	0.20	275.17	567.92	9.20	7.8	87.8	21	2.5	970
LG32	116	117	3.64	0.44	156.20	0.58	0.12	296.17	1759.55	7.43	6.3	70.1	20	2.5	890
LG32	117	118	5.69	0.67	212.08	0.38	0.08	376.56	994.21	9.43	8	62.2	34	2.5	1470
LG32	118	119	3.30	0.40	125.72	0.34	0.07	255.66	622.28	10.26	8.7	48.8	32	2.5	1340
LG32	119	120	4.90	0.56	190.49	1.95	0.37	500.31	1573.58	12.50	10.6	205	17	5	640
LG32	120	121	6.72	0.80	256.53	2.40	0.46	705.11	2303.15	15.33	13	438	8	2.5	450
LG32	121	122	21.07	2.26	669.26	1.70	0.30	1120.16	3175.77	29.36	24.9	255	72	2.5	4200
LG32	122	123	3.76	0.28	161.28	1.87	0.40	458.88	3747.98	13.68	11.6	234	3	2.5	130
LG32	123	124	2.05	0.22	99.06	0.87	0.19	225.38	3590.62	10.73	9.1	93	6	2.5	170
LG32	124	125	1.71	0.23	85.09	0.92	0.18	200.66	771.05	6.13	5.2	120	5	2.5	190
LG32	125	126	4.10	0.45	151.12	0.87	0.19	342.03	2481.96	16.51	14	135	8	2.5	200
LG32	126	127	1.14	0.18	43.18	0.34	0.06	96.07	3747.98	12.03	10.2	51.8	4	7	120
LG32	127	128	1.37	0.19	48.26	0.21	0.04	97.92	1012.81	5.31	4.5	37.8	8	9	300
LG32	128	129	1.71	0.17	71.12	0.64	0.13	165.37	6151.26	20.52	17.4	75.2	7	2.5	150
LG32	129	130	2.85	0.38	77.47	0.34	0.07	167.53	1566.43	4.72	4	35.8	22	6	700
LG32	130	131	3.64	0.55	138.42	0.91	0.18	308.11	2245.92	6.72	5.7	82.3	11	2.5	290
LG32	131	132	3.53	0.50	71.12	0.32	0.06	140.23	818.26	6.37	5.4	55.8	11	2.5	410
LG32	132	133	4.44	0.63	90.17	0.39	0.08	178.42	1859.68	12.38	10.5	77.8	15	2.5	630
LG32	133	134	2.85	0.34	109.21	0.87	0.20	260.89	3905.33	12.26	10.4	125.5	7	2.5	250
LG32	134	135	1.82	0.30	97.79	0.80	0.18	238.72	2675.08	13.21	11.2	110.5	4	15	100
LG32	135	136	2.28	0.35	46.99	0.32	0.07	105.95	876.91	8.37	7.1	48.4	8	23	340
LG32	136	137	3.87	0.52	88.90	0.62	0.11	179.93	1160.16	10.85	9.2	61	13	36	590
LG32	137	138	5.81	0.64	222.24	0.99	0.21	442.30	2231.62	19.58	16.6	85.3	15	71	630
LG32	138	139	6.26	0.86	240.02	1.90	0.34	487.77	1494.90	19.58	16.6	115	10	6	440
LG32	139	140	15.94	1.82	572.74	2.24	0.48	1144.56	3147.16	69.46	58.9	230	16	2.5	740
LG32	140	141	10.48	1.25	477.50	2.26	0.48	1096.46	4720.73	56.72	48.1	324	6	2.5	310
LG32	141	142	20.04	2.34	781.01	2.42	0.51	1497.73	2832.44	49.65	42.1	236	10	2.5	370
LG32	142	143	13.89	1.41	614.65	1.07	0.22	1029.08	5507.52	80.19	68	140	17	2.5	680
LG32	143	144	1.82	0.31	68.58	0.41	0.08	138.62	4863.79	13.68	11.6	35.4	12	2.5	380
LG32	144	145	5.69	0.67	260.34	0.37	0.07	431.69	1537.81	15.80	13.4	46.7	15	2.5	490
LG32	145	146	4.44	0.45	184.14	0.33	0.07	300.57	1130.11	34.91	29.6	47.1	7	2.5	290
LG32	146	147	3.87	0.45	118.10	0.26	0.05	198.33	1080.05	33.84	28.7	42.4	7	2.5	330
LG32	147	148	3.07	0.32	118.10	0.14	0.03	185.89	678.07	32.55	27.6	22.3	3	2.5	110
LG32	148	149	2.96	0.48	101.60	0.67	0.13	230.38	1035.70	13.44	11.4	87.6	15	2.5	630
LG32	149	150	4.33	0.55	132.07	0.31	0.06	223.53	1225.96	29.25	24.8	59.6	11	2.5	460
LG32	150	151	2.85	0.30	99.06	0.19	0.04	162.07	506.41	14.50	12.3	19.6	3	2.5	120
LG32	151	152	2.05	0.25	62.23	0.18	0.04	109.34	616.56	9.43	8	19.6	6	2.5	190
LG32	152	153	5.47	0.76	101.60	0.23	0.04	171.52	733.86	18.40	15.6	61.1	15	2.5	630
LG32	153	154	7.06	0.65	189.22	0.25	0.05	297.56	1132.98	30.78	26.1	34.5	4	2.5	150
LG32	154	155	2.28	0.31	87.63	0.18	0.03	149.64	775.34	9.20	7.8	26.1	3	2.5	120
LG32	155	156	5.58	0.76	162.55	0.43	0.08	286.78	1018.53	15.68	13.3	76.5	11	2.5	420
LG32	156	157	1.37	0.20	40.64	0.14	0.03	76.87	307.56	3.42	2.9	9.7	5	2.5	170
LG32	157	158	3.64	0.35	133.34	0.18	0.04	223.53	901.23	39.74	33.7	28.7	2	2.5	80
LG32	158	159	2.96	0.36	71.12	0.15	0.03	116.21	482.09	17.45	14.8	10.8	4	2.5	120
LG32	159	160	1.71	0.32	26.67	0.10	0.02	54.49	377.66	5.19	4.4	6.1	13	2.5	410
LG32	160	161	3.53	0.42	66.04	0.13	0.03	110.19	324.73	10.85	9.2	7.7	7	2.5	210
LG32	161	162	1.59	0.30	58.42	0.31	0.07	124.60	394.82	7.78	6.6	17	5	2.5	170
LG32	162	163	1.25	0.13	72.39	0.70	0.16	177.99	3547.70	13.44	11.4	48	1	2.5	20

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG32	163	164	2.28	0.27	72.39	0.33	0.08	159.07	439.17	5.07	4.3	30.3	0.5	2.5	20
LG32	164	164.4	3.64	0.43	107.94	0.30	0.07	209.09	284.67	9.67	8.2	27.8	1	2.5	40
LG42	4.3	5	5.69	0.86	63.50	0.20	0.04	120.52	379.09	7.31	6.2	63.6	16	2.5	680
LG42	5	6	5.24	0.77	57.15	0.17	0.03	111.42	234.61	5.90	5	51.6	14	2.5	570
LG42	6	7	5.24	0.78	54.61	0.15	0.03	104.36	210.29	5.66	4.8	47	14	2.5	540
LG42	7	8	4.78	0.69	54.61	0.15	0.03	103.54	201.70	5.31	4.5	46.6	14	2.5	580
LG42	8	9	5.01	0.67	57.15	0.15	0.03	108.99	210.29	5.90	5	47.1	14	2.5	530
LG42	9	10	5.01	0.74	57.15	0.15	0.03	109.71	198.84	7.31	6.2	45.3	12	2.5	500
LG42	10	11	4.90	0.78	60.96	0.16	0.03	116.96	198.84	7.43	6.3	46.1	12	2.5	490
LG42	11	12	5.81	0.80	66.04	0.16	0.03	128.33	198.84	9.55	8.1	46.4	13	2.5	500
LG42	12	13	5.58	0.76	69.85	0.15	0.03	129.41	197.41	11.91	10.1	45.8	13	2.5	520
LG42	13	14	4.78	0.78	55.88	0.14	0.03	105.63	195.98	10.73	9.1	43.5	12	2.5	490
LG42	14	15	4.44	0.73	52.07	0.13	0.03	98.34	188.83	9.43	8	43	12	2.5	490
LG42	15	16	4.21	0.69	55.88	0.14	0.03	105.12	184.54	8.37	7.1	43.4	12	2.5	480
LG42	16	17	4.78	0.72	57.15	0.14	0.03	106.95	198.84	8.84	7.5	44.9	12	2.5	500
LG42	17	18	4.90	0.66	57.15	0.14	0.03	106.08	203.13	8.49	7.2	43.8	13	2.5	510
LG42	18	19	4.44	0.59	57.15	0.14	0.03	107.34	188.83	7.43	6.3	44.7	12	2.5	490
LG42	19	20	4.67	0.75	57.15	0.14	0.03	109.40	193.12	7.55	6.4	45	12	2.5	490
LG42	20	21	4.78	0.75	55.88	0.14	0.03	106.83	194.55	7.90	6.7	45.7	14	2.5	560
LG42	21	22	4.44	0.71	57.15	0.13	0.03	105.85	180.25	7.43	6.3	43.2	12	2.5	490
LG42	22	23	4.67	0.67	57.15	0.14	0.03	106.53	187.40	7.55	6.4	43.8	12	2.5	520
LG42	23	24	4.90	0.67	60.96	0.14	0.03	113.90	187.40	7.19	6.1	44.8	12	2.5	510
LG42	24	25	4.55	0.68	63.50	0.14	0.03	115.31	183.11	7.31	6.2	45.4	14	2.5	520
LG42	25	26	4.67	0.69	62.23	0.14	0.03	114.91	183.11	7.08	6	44.9	13	2.5	510
LG42	26	27	4.55	0.69	60.96	0.14	0.03	113.60	175.95	6.96	5.9	44.8	12	2.5	500
LG42	27	28	4.33	0.73	62.23	0.14	0.03	112.78	171.66	6.49	5.5	46.6	13	2.5	500
LG42	28	29	5.12	0.85	64.77	0.15	0.03	119.36	185.97	7.08	6	46.5	14	2.5	540
LG42	29	30	5.12	0.69	64.77	0.14	0.03	118.69	181.68	7.19	6.1	45.6	13	2.5	530
LG42	30	31	5.35	0.75	68.58	0.15	0.03	126.43	193.12	7.31	6.2	46.1	14	2.5	560
LG42	31	32	5.81	0.81	71.12	0.15	0.03	133.01	201.70	8.37	7.1	46.9	15	2.5	600
LG42	32	33	5.92	0.88	72.39	0.16	0.03	135.70	223.16	8.84	7.5	46.9	16	2.5	640
LG42	33	34	6.60	1.01	77.47	0.16	0.03	142.40	233.18	9.43	8	45.7	16	2.5	660
LG42	34	35	7.40	1.22	91.44	0.17	0.03	162.63	241.76	8.73	7.4	46.5	16	2.5	650
LG42	35	36	7.86	1.18	100.33	0.17	0.03	177.91	253.20	8.84	7.5	48.3	17	2.5	640
LG42	36	37	7.17	1.05	95.25	0.17	0.03	173.16	257.49	9.08	7.7	48.5	16	2.5	650
LG42	37	38	6.38	0.94	77.47	0.17	0.03	145.75	274.66	8.37	7.1	49.1	17	2.5	640
LG42	38	39	6.03	0.85	68.58	0.18	0.03	132.31	250.34	7.55	6.4	48.7	14	2.5	550
LG42	39	40	6.26	0.99	72.39	0.18	0.03	137.82	266.08	8.37	7.1	51.8	16	2.5	600
LG42	40	41	6.38	0.86	77.47	0.20	0.04	145.93	297.55	8.37	7.1	54.5	17	2.5	620
LG42	41	42	6.38	0.90	77.47	0.21	0.04	148.26	287.54	8.61	7.3	55.5	16	2.5	620
LG42	42	43	6.83	1.02	85.09	0.22	0.04	161.14	313.29	10.26	8.7	58.3	17	2.5	640
LG42	43	44	6.83	1.05	86.36	0.22	0.04	163.10	316.15	10.50	8.9	58.1	17	2.5	640
LG42	44	45	6.15	0.97	80.01	0.21	0.04	153.38	296.12	9.91	8.4	57.1	16	2.5	620
LG42	45	46	4.90	0.80	63.50	0.17	0.03	118.74	258.93	9.20	7.8	51.4	12	2.5	460
LG42	46	47	3.99	0.69	48.26	0.18	0.03	93.32	452.05	13.68	11.6	70	14	2.5	490
LG42	47	48	3.53	0.49	40.64	0.13	0.02	75.93	437.74	12.15	10.3	62.3	13	2.5	470
LG42	48	49	2.39	0.39	29.21	0.10	0.01	53.57	430.59	12.62	10.7	57.5	10	2.5	390
LG42	49	50	3.53	0.55	36.83	0.18	0.03	71.76	509.27	12.85	10.9	64.1	12	2.5	450
LG42	50	51	3.53	0.57	31.75	0.11	0.02	56.52	480.66	18.40	15.6	52	10	2.5	390
LG42	51	52	3.07	0.47	27.94	0.15	0.02	52.88	537.88	14.86	12.6	58.4	9	2.5	370
LG42	52	53	3.19	0.47	33.02	0.46	0.07	75.31	429.16	12.50	10.6	62.2	6	2.5	220
LG42	53	54	4.78	0.74	92.71	2.19	0.39	246.17	1509.20	21.11	17.9	142.5	7	2.5	250
LG42	54	55	11.50	1.55	290.82	5.07	0.91	706.13	856.88	24.29	20.6	118	6	2.5	210
LG42	55	56	5.58	0.81	130.80	2.55	0.45	354.02	606.54	17.69	15	91.5	7	2.5	180
LG42	56	57	6.49	0.90	181.60	4.39	0.81	517.60	1107.23	18.75	15.9	167	8	2.5	250
LG42	57	58	4.44	0.69	119.37	3.34	0.62	366.02	1142.99	17.81	15.1	119.5	6	2.5	140

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG42	58	59	5.69	0.89	134.61	5.22	0.88	412.85	10271.17	163.91	139	257	5	2.5	100
LG42	59	60	5.69	0.90	170.17	5.68	1.03	510.79	1254.57	20.05	17	153.5	7	2.5	200
LG42	60	61	3.53	0.44	126.99	1.77	0.32	331.88	454.91	13.09	11.1	116	9	2.5	340
LG42	61	62	4.21	0.58	114.29	0.87	0.15	277.79	457.77	16.16	13.7	46.8	30	2.5	1240
LG42	62	63	5.47	0.71	172.71	0.76	0.14	356.59	266.08	10.38	8.8	26.4	15	2.5	580
LG42	63	64	3.64	0.48	83.82	0.44	0.08	190.03	423.44	8.49	7.2	44.3	21	2.5	780
LG42	64	65	10.48	1.25	264.15	0.76	0.10	488.58	354.77	6.01	5.1	37.2	21	2.5	840
LG42	65	66	31.31	4.75	1090.88	0.73	0.10	1433.76	403.41	4.60	3.9	34.9	20	2.5	820
LG42	66	67	3.19	0.44	134.61	2.35	0.43	289.79	570.78	5.66	4.8	248	10	2.5	350
LG42	67	68	2.85	0.35	203.19	7.28	1.30	501.04	1002.80	7.67	6.5	785	5	2.5	100
LG42	68	69	2.51	0.39	156.20	2.66	0.53	396.69	426.30	6.25	5.3	156	5	2.5	140
LG42	69	70	2.39	0.31	208.27	3.49	0.61	612.82	975.62	11.79	10	161	5	2.5	120
LG42	70	71	1.59	0.20	124.45	2.12	0.41	327.15	487.81	7.43	6.3	86.3	5	2.5	90
LG42	71	72	1.94	0.30	166.36	2.74	0.53	423.15	625.14	7.55	6.4	162.5	4	2.5	90
LG42	72	73	3.30	0.39	220.97	3.82	0.72	567.54	1766.70	15.80	13.4	174.5	7	2.5	140
LG42	73	74	2.05	0.25	148.58	2.73	0.51	398.81	1012.81	12.50	10.6	130	5	2.5	100
LG42	74	75	3.07	0.34	217.16	3.54	0.63	541.46	995.65	8.61	7.3	206	8	2.5	170
LG42	75	76	4.55	0.51	308.60	5.08	0.91	797.09	2031.35	12.03	10.2	302	6	6	120
LG42	76	77	4.90	0.57	303.52	5.05	0.91	748.45	3275.90	50.94	43.2	241	5	16	120
LG42	77	78	4.78	0.40	307.33	6.98	1.23	810.41	749.60	13.92	11.8	306	5	5	90
LG42	78	79	5.01	0.57	273.04	5.05	0.90	703.13	1084.34	13.68	11.6	232	4	2.5	90
LG42	79	80	3.64	0.42	226.05	3.06	0.59	588.96	977.05	15.09	12.8	149.5	4	1015	90
LG42	80	81	3.76	0.47	252.72	4.45	0.83	649.27	1537.81	29.01	24.6	186.5	3	5	60
LG42	81	82	3.87	0.55	248.91	4.81	0.82	631.49	1695.17	45.99	39	211	4	11	100
LG42	82	83	3.53	0.47	184.14	2.68	0.48	458.69	1403.35	26.65	22.6	163.5	4	33	120
LG42	83	84	3.07	0.39	204.46	2.20	0.41	508.46	1645.10	16.63	14.1	146.5	4	8	110
LG42	84	85	3.30	0.38	154.93	2.36	0.41	370.29	1845.38	27.12	23	136.5	4	19	140
LG42	85	86	4.10	0.43	227.32	4.49	0.81	656.05	1444.83	21.82	18.5	245	2	9	90
LG42	86	87	2.16	0.28	137.15	2.99	0.52	426.48	539.31	7.08	6	190	1	36	40
LG42	87	88	4.10	0.40	229.86	6.77	1.10	746.13	527.86	14.86	12.6	320	2	28	70
LG42	88	89	6.60	0.73	441.94	8.93	1.58	1132.77	1183.04	23.94	20.3	334	5	2.5	130
LG42	89	90	6.03	0.57	353.04	5.49	1.01	846.59	1437.68	20.87	17.7	188	4	8	110
LG42	90	91	2.96	0.34	142.23	3.56	0.65	404.04	479.23	5.78	4.9	136.5	2	8	40
LG42	91	92	6.03	0.63	299.71	10.56	1.64	807.70	504.98	10.26	8.7	275	2	5	60
LG42	92	93	3.87	0.47	185.41	5.10	0.87	534.48	340.46	6.25	5.3	186.5	1	5	40
LG42	93	94	5.01	0.51	264.15	5.82	1.02	722.62	822.55	10.14	8.6	240	3	24	90
LG42	94	95	3.64	0.41	203.19	4.76	0.81	575.71	529.29	8.61	7.3	213	2	7	60
LG42	95	96	3.30	0.31	173.98	4.23	0.68	479.34	413.42	8.02	6.8	151.5	2	2.5	60
LG42	96	97	2.85	0.34	209.54	4.77	0.71	578.23	167.37	5.31	4.5	177.5	1	2.5	30
LG42	97	98	3.07	0.34	186.68	3.59	0.53	467.14	274.66	6.84	5.8	123	1	2.5	50
LG42	98	99	4.33	0.42	262.88	4.34	0.67	627.65	1137.27	11.67	9.9	144	7	2.5	220
LG42	99	100	3.64	0.38	279.39	6.20	1.03	766.52	972.76	16.04	13.6	166.5	5	2.5	180
LG42	100	101	9.00	0.81	425.43	1.42	0.24	761.81	1716.63	13.21	11.2	78.6	10	2.5	350
LG42	101	102	4.90	0.45	203.19	1.56	0.27	379.01	1916.90	18.87	16	98.6	19	2.5	720
LG42	102	103	5.58	0.57	194.30	0.98	0.17	342.87	550.75	7.67	6.5	46.3	14	2.5	520
LG42	103	104	2.62	0.26	102.87	0.78	0.13	196.46	407.70	9.67	8.2	36.8	17	2.5	810
LG42	104	105	2.28	0.30	67.31	0.68	0.12	141.14	291.83	3.42	2.9	30.4	15	2.5	720
LG42	105	106	1.37	0.17	41.91	0.38	0.07	87.28	257.49	2.71	2.3	25.2	19	2.5	860
LG42	106	107	2.85	0.32	86.36	0.36	0.07	157.97	280.38	3.77	3.2	30.2	19	2.5	990
LG42	107	108	2.85	0.27	116.83	0.40	0.07	212.37	257.49	9.32	7.9	28.7	16	2.5	870
LG42	108	109	3.87	0.36	111.75	0.29	0.05	199.88	297.55	8.37	7.1	27.2	15	2.5	660
LG42	109	110	2.16	0.18	64.77	0.36	0.07	128.95	306.13	4.95	4.2	25.9	15	2.5	680
LG42	110	111	2.73	0.26	123.18	0.46	0.08	223.63	118.73	5.90	5	20.3	5	2.5	240
LG42	111	112	2.73	0.24	186.68	0.58	0.10	342.90	208.86	3.07	2.6	33.3	12	2.5	440
LG42	112	113	1.82	0.17	68.58	0.34	0.06	124.31	185.97	2.83	2.4	27	10	2.5	450
LG42	113	114	2.39	0.38	60.96	0.36	0.06	115.33	276.09	3.18	2.7	27.8	17	2.5	820

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
LG42	114	115	3.30	0.44	133.34	1.08	0.18	266.53	173.09	8.37	7.1	43.1	8	2.5	330
LG42	115	116	0.80	0.11	54.61	1.14	0.23	157.79	128.75	5.07	4.3	23.1	2	2.5	60
LG42	116	117	3.87	0.40	138.42	0.62	0.09	254.67	70.10	4.72	4	23.1	0.5	2.5	20
LG42	117	118	1.14	0.10	62.23	0.27	0.04	115.88	28.61	1.06	0.9	12.8	1	2.5	50
LG42	118	119	1.48	0.18	39.37	0.30	0.06	82.93	286.11	2.24	1.9	17.4	15	2.5	780
LG42	119	120	2.39	0.23	59.69	0.43	0.08	116.28	271.80	5.07	4.3	23.3	12	2.5	640
LG42	120	121	2.05	0.17	62.23	0.54	0.09	126.17	291.83	3.18	2.7	24.1	14	2.5	690
LG42	121	122	2.85	0.25	92.71	0.73	0.13	188.32	278.95	2.95	2.5	34.9	14	2.5	740
LG42	122	123	2.39	0.27	71.12	0.68	0.12	152.89	274.66	2.12	1.8	31.5	13	2.5	550
LG42	123	124	2.05	0.17	62.23	0.59	0.11	129.73	301.84	2.24	1.9	22.5	15	2.5	640
LG42	124	125	2.05	0.20	60.96	0.52	0.09	118.86	270.37	2.59	2.2	17.2	14	2.5	650
LG42	125	126	2.28	0.24	55.88	0.54	0.10	113.24	294.69	3.18	2.7	18.8	17	2.5	820
LG42	126	127	1.71	0.17	54.61	0.52	0.09	116.56	329.02	3.07	2.6	16.3	14	2.5	670
LG42	127	128	2.28	0.20	52.07	0.26	0.05	100.32	359.06	2.12	1.8	15.8	21	2.5	950
LG42	128	129	2.39	0.27	52.07	0.11	0.02	91.13	360.49	2.12	1.8	15	21	2.5	790
LG42	129	130	1.82	0.14	62.23	0.05	0.01	100.22	277.52	4.60	3.9	10.2	18	2.5	540
LG42	130	131	2.73	0.19	87.63	0.04	0.00	135.80	286.11	7.78	6.6	11.5	21	2.5	420
LG42	131	132	2.96	0.33	60.96	0.02	0.00	92.21	246.05	8.96	7.6	6.2	33	2.5	1160
LG42	132	133	2.73	0.39	67.31	0.18	0.04	122.20	366.21	6.25	5.3	33.4	21	2.5	950
LG42	133	134	4.55	0.56	72.39	0.03	0.00	109.91	246.05	7.08	6	7.4	34	2.5	1700
LG42	134	135	3.30	0.31	77.47	0.22	0.05	142.09	473.50	8.84	7.5	37.2	24	2.5	1130
LG42	135	136	3.53	0.35	63.50	0.09	0.02	106.45	319.01	6.96	5.9	15.8	28	2.5	1310
LG42	136	137	2.96	0.39	66.04	0.19	0.04	120.05	354.77	6.13	5.2	29.2	25	2.5	1200
LG42	137	138	1.14	0.16	55.88	0.67	0.11	119.54	341.90	3.18	2.7	14.8	10	2.5	360
LG42	138	139	3.42	0.35	109.21	0.51	0.09	194.42	343.33	3.42	2.9	28	16	2.5	680
LG42	139	140	3.42	0.43	105.40	0.52	0.09	187.93	343.33	2.83	2.4	12.8	16	2.5	670
LG42	140	141	2.62	0.36	101.60	0.37	0.07	182.42	363.35	3.89	3.3	24.2	15	2.5	710
LG42	141	142	4.33	0.48	207.00	0.94	0.15	376.54	228.88	4.72	4	27.8	12	2.5	710
LG42	142	143	1.02	0.16	63.50	2.28	0.37	192.22	40.05	1.77	1.5	28.8	1	2.5	30
LG42	143	144	0.91	0.18	73.66	2.14	0.35	193.63	37.19	2.12	1.8	28.7	0.5	2.5	20
LG42	144	145	0.91	0.14	60.96	2.15	0.34	177.76	32.90	2.83	2.4	31.4	0.5	2.5	10
LG42	145	146	1.59	0.34	110.48	2.67	0.41	299.49	80.11	9.55	8.1	35.4	1	2.5	110
LG42	146	147	2.05	0.35	97.79	1.85	0.33	267.47	58.65	4.25	3.6	31.8	2	2.5	140
LG42	147	148	3.07	0.40	132.07	1.14	0.19	283.42	303.27	5.19	4.4	23.4	29	2.5	1550
LG42	148	149	3.19	0.52	167.63	1.41	0.22	371.55	203.13	6.25	5.3	31.2	17	2.5	920
LG42	149	150	3.42	0.51	91.44	0.59	0.11	184.48	298.98	5.78	4.9	35	23	2.5	1070
LG42	153.25	154	2.28	0.33	74.93	0.84	0.15	180.77	214.58	5.42	4.6	31	14	2.5	630
LG42	154	155	1.14	0.13	68.58	1.89	0.34	187.92	15.74	4.95	4.2	26	1	2.5	40
LG42	155	156	1.25	0.17	96.52	2.37	0.40	253.88	7.15	4.83	4.1	36.9	1	2.5	50
LG42	156	157	1.48	0.26	121.91	3.31	0.49	321.33	5.72	8.61	7.3	55.7	0.5	2.5	20
LG42	157	158	1.37	0.16	104.14	2.22	0.39	258.03	4.29	4.95	4.2	45.9	0.5	2.5	10
LG42	158	159	0.91	0.17	73.66	1.77	0.35	203.49	8.58	3.77	3.2	37.7	1	2.5	30
LG42	159	160	1.02	0.26	83.82	1.99	0.37	221.91	21.46	4.60	3.9	42	0.5	2.5	10
LG42	160	161	0.80	0.17	49.53	1.77	0.32	146.60	5.72	3.66	3.1	31.9	0.5	2.5	20
LG42	161	162	0.91	0.13	63.50	2.34	0.41	190.30	7.15	4.01	3.4	46.4	1	2.5	30
LG42	162	163	0.57	0.07	39.37	1.83	0.30	121.74	14.31	3.66	3.1	30.9	1	2.5	30
LG42	163	164	0.91	0.14	57.15	2.81	0.43	178.45	2.86	3.54	3	45.7	0.5	2.5	5
LG42	164	165	0.80	0.16	50.80	3.17	0.43	172.22	8.58	4.72	4	59.9	0.5	2.5	10
LG42	165	166	0.68	0.11	45.72	2.08	0.33	144.74	4.29	3.66	3.1	35.8	0.5	2.5	10
LG42	166	166.35	1.02	0.24	82.55	2.18	0.34	216.17	12.87	4.13	3.5	42.9	1	2.5	50
OA167	0	1	5.69	0.78	58.42	0.11	0.02	96.31	666.62	16.16	13.7	92.6	30	12	1260
OA167	1	2	6.03	0.92	59.69	0.12	0.02	99.40	696.67	17.10	14.5	95.6	28	10	1190
OA167	2	3	5.69	0.90	58.42	0.13	0.02	98.30	609.40	15.21	12.9	95.7	28	9	1180
OA167	3	4	6.15	0.93	60.96	0.14	0.02	102.16	656.61	15.45	13.1	98.8	29	12	1230
OA167	4	5	5.69	0.85	59.69	0.14	0.02	100.21	592.24	14.39	12.2	89.1	26	10	1100
OA167	5	6	5.58	0.86	58.42	0.14	0.02	98.38	570.78	14.03	11.9	88.9	28	10	1150

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
OA167	6	7	5.47	0.86	58.42	0.16	0.02	101.51	563.63	13.21	11.2	87	23	9	980
OA167	7	8	5.58	0.89	63.50	0.17	0.03	113.48	500.68	12.03	10.2	82.3	22	10	880
OA167	8	9.2	5.12	0.68	60.96	0.16	0.03	112.42	467.78	10.61	9	72.2	21	6	860
OA167	9.2	10.4	5.58	0.84	68.58	0.18	0.04	125.07	504.98	11.67	9.9	82.1	21	11	880
OA167	10.4	11.7	5.81	0.73	69.85	0.18	0.04	130.48	454.91	10.50	8.9	74.7	20	10	780
OA167	11.7	12.3	5.47	0.75	69.85	0.22	0.05	133.37	483.52	13.09	11.1	76.4	21	12	920
OA167	12.3	13.3	5.35	0.85	67.31	0.23	0.05	132.29	490.67	15.09	12.8	79	19	7	820
OA167	13.3	14.25	5.58	0.78	72.39	0.22	0.05	144.67	556.47	18.16	15.4	79.3	20	7	880
OA167	14.25	15	5.92	0.88	78.74	0.22	0.05	161.31	565.06	16.75	14.2	81.7	19	7	810
OA167	15	16	6.72	0.89	91.44	0.25	0.06	194.16	693.80	17.33	14.7	97.9	22	5	960
OA167	16	17	7.17	1.07	102.87	0.27	0.06	217.24	792.51	16.75	14.2	114	26	8	1100
OA167	17	18.9	7.86	1.05	110.48	0.31	0.08	234.07	998.51	15.80	13.4	144.5	25	7	1080
OA167	18.9	20	7.63	0.99	121.91	0.51	0.14	275.39	1873.99	22.88	19.4	355	23	6	970
OA167	20	20.8	6.72	0.91	109.21	0.73	0.20	256.43	2610.71	42.10	35.7	573	22	5	840
OA167	20.8	21.5	9.22	1.03	219.70	1.47	0.41	640.84	2732.30	40.45	34.3	629	20	2.5	890
OA167	21.5	22.3	5.47	0.72	96.52	0.70	0.18	235.23	2918.27	70.16	59.5	708	16	2.5	570
OA167	22.3	23	5.69	0.69	95.25	0.89	0.22	237.51	3147.16	67.10	56.9	696	19	2.5	840
OA167	23	24	5.92	0.78	109.21	1.07	0.27	293.74	4062.69	70.28	59.6	1160	25	2.5	980
OA167	24	24.8	10.02	1.17	219.70	2.04	0.53	571.61	5092.67	121.46	103	1430	23	2.5	840
OA167	24.8	26	10.25	1.33	217.16	1.29	0.34	527.23	4005.47	85.85	72.8	950	19	2.5	850
OA167	26	27	12.98	1.73	247.64	1.39	0.32	587.58	8225.52	70.87	60.1	2160	30	2.5	1080
OA167	27	28	11.39	1.46	219.70	0.97	0.23	471.42	7438.73	68.16	57.8	1585	31	2.5	1210
OA167	28	29	23.34	2.58	482.58	1.83	0.44	1094.55	9484.38	48.11	40.8	2000	36	2.5	1320
OA167	29	30	54.31	5.61	1239.46	4.35	0.96	2633.09	20671.09	72.29	61.3	4690	44	6	1790
OA167	30	31.05	21.52	2.16	472.42	1.78	0.41	1023.02	8096.77	65.92	55.9	1645	28	2.5	1150
OA167	31.05	32	16.85	1.99	336.53	1.80	0.46	668.51	6551.81	119.69	101.5	1365	26	2.5	1030
OA167	32	33	20.72	2.41	353.04	1.41	0.35	663.78	5436.00	91.27	77.4	1695	57	2.5	2640
OA167	33	34.05	12.98	1.55	260.34	2.07	0.55	566.28	3590.62	110.97	94.1	1100	20	2.5	770
OA167	34.05	35	12.53	1.42	262.88	1.45	0.36	561.91	4949.62	92.69	78.6	1275	28	2.5	1050
OA167	35	36	17.76	2.02	421.62	1.78	0.45	787.54	4177.13	95.75	81.2	1100	22	2.5	810
OA167	36	37	17.88	2.04	378.44	1.05	0.26	663.66	2875.36	95.16	80.7	609	20	2.5	850
OA167	37	38.05	21.41	2.56	438.13	1.64	0.41	767.68	4277.27	90.09	76.4	981	22	6	850
OA167	38.05	38.7	12.75	1.85	234.94	0.49	0.11	365.97	2110.02	93.28	79.1	306	32	2.5	1300
OA167	38.7	39.4	15.26	2.04	331.45	0.39	0.07	468.11	1502.05	112.15	95.1	247	9	17	320
OA167	39.4	40	15.37	1.99	320.02	0.86	0.20	527.79	2889.66	158.02	134	611	23	9	800
OA167	40	41	4.90	0.64	116.83	1.20	0.32	303.03	2131.48	155.07	131.5	489	14	2.5	480
OA167	41	42	5.35	0.80	123.18	1.21	0.31	302.34	2353.21	132.08	112	665	13	2.5	460
OA167	42	43	7.06	0.85	162.55	1.35	0.36	386.41	3089.93	155.07	131.5	872	23	2.5	930
OA167	43	44	7.63	1.00	179.06	1.47	0.38	416.02	3676.45	151.53	128.5	907	21	2.5	830
OA167	44	45	8.20	1.16	205.73	1.18	0.30	422.03	3304.51	168.04	142.5	731	23	2.5	920
OA167	45	46	9.22	1.23	196.84	1.15	0.29	436.04	4291.58	98.47	83.5	989	24	2.5	1020
OA167	46	47	8.54	0.98	187.95	1.26	0.31	424.82	3790.89	111.32	94.4	861	22	2.5	890
OA167	47	48	6.95	0.80	177.79	1.82	0.49	457.52	3590.62	198.70	168.5	1015	20	2.5	710
OA167	48	49	4.67	0.53	124.45	1.12	0.28	316.59	3747.98	130.90	111	786	16	2.5	550
OA167	49	50	3.42	0.44	83.82	0.78	0.20	213.68	2589.25	100.35	85.1	536	11	2.5	350
OA167	50	51	2.96	0.31	66.04	0.54	0.14	164.31	3290.21	59.43	50.4	846	10	5	360
OA167	51	52	4.44	0.45	118.10	1.12	0.29	310.45	6494.58	137.38	116.5	1740	18	79	580
OA167	52	53	4.55	0.48	109.21	1.03	0.26	279.01	3390.34	142.10	120.5	821	16	2.5	530
OA167	53	54	4.21	0.51	106.67	1.01	0.26	275.40	3418.96	139.74	118.5	859	17	2.5	580
OA167	54	55	4.78	0.56	119.37	1.06	0.27	301.03	3218.68	78.07	66.2	847	13	2.5	490
OA167	55	56	5.24	0.59	186.68	2.83	0.77	576.00	3361.73	166.86	141.5	1050	18	2.5	460
OA167	56	57	2.96	0.30	78.74	0.93	0.24	220.02	1609.34	63.80	54.1	390	10	2.5	270
OA167	57	58.05	4.67	0.52	87.63	0.52	0.12	191.35	2152.94	34.67	29.4	324	25	2.5	940
OA167	58.05	59	5.24	0.55	138.42	1.19	0.30	360.57	2310.30	48.00	40.7	464	30	2.5	1260
OA167	59	60	8.20	1.07	205.73	0.92	0.22	423.12	3290.21	23.58	20	790	23	2.5	930
OA167	60	61	6.95	0.82	168.90	1.32	0.32	410.87	2918.27	67.45	57.2	839	41	2.5	1850

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
OA167	61	62	5.01	0.50	126.99	0.96	0.24	317.63	1823.92	46.82	39.7	444	26	2.5	1150
OA167	62	63	11.39	1.30	243.83	0.82	0.20	490.58	2403.28	42.33	35.9	619	23	2.5	1090
OA167	63	64	6.72	0.81	114.29	0.49	0.11	235.65	1379.03	23.23	19.7	273	27	2.5	1310
OA167	64	65	6.83	0.86	171.44	1.77	0.46	479.97	2989.80	81.72	69.3	735	20	2.5	670
OA167	65	66	11.05	1.38	220.97	1.82	0.46	515.38	3962.55	76.65	65	900	17	2.5	540
OA167	66	67	9.22	1.14	177.79	1.00	0.22	376.35	3676.45	32.78	27.8	733	16	9690	550
OA167	67	68.2	7.86	0.86	167.63	1.19	0.30	402.96	4992.53	50.35	42.7	1350	23	15	780
OA167	68.2	69.4	5.58	0.65	115.56	0.55	0.13	249.50	4434.63	38.92	33	1150	28	13	1050
OA167	69.4	70.6	3.42	0.44	57.15	0.22	0.05	112.17	1127.25	12.74	10.8	209	19	167	740
OA167	70.6	71.8	9.34	1.09	190.49	0.78	0.18	394.53	6866.52	50.59	42.9	1855	31	2.5	960
OA167	71.8	73	7.40	0.84	137.15	0.26	0.05	248.24	1357.57	57.78	49	318	23	7	750
OA167	73	74	20.27	2.32	372.09	1.45	0.36	773.88	7853.58	80.66	68.4	2090	29	8	940
OA167	74	75	3.53	0.36	63.50	0.35	0.08	145.55	2310.30	24.06	20.4	610	7	135	300
OA167	75	76	3.87	0.47	87.63	0.65	0.16	214.95	2567.79	27.95	23.7	422	19	55	770
OA167	76	77	3.53	0.40	74.93	0.47	0.11	173.52	1552.12	18.04	15.3	341	4	14	130
OA167	77	78	5.12	0.72	102.87	0.48	0.12	210.14	1071.46	61.08	51.8	133.5	8	25	360
OA167	78	79	5.12	0.71	68.58	0.25	0.05	128.53	1238.83	17.22	14.6	96.7	23	26	1060
OA167	79	80	3.19	0.41	63.50	0.40	0.10	143.57	1384.75	18.87	16	172	10	20	360
OA167	80	81	4.55	0.66	60.96	0.22	0.04	113.86	705.25	12.38	10.5	90.3	19	8	680
OA167	81	82	4.10	0.58	72.39	0.34	0.08	151.83	1831.07	25.00	21.2	378	11	30	410
OA167	82	83	3.42	0.40	64.77	0.29	0.07	139.27	1137.27	12.38	10.5	188.5	8	2.5	330
OA167	83	83.6	4.55	0.66	95.25	0.31	0.07	182.58	517.85	11.79	10	51.6	16	2.5	630
OA167	83.6	84.3	4.55	0.49	100.33	0.88	0.23	259.67	5822.24	94.81	80.4	1270	16	11	560
OA167	84.3	85	5.47	0.65	154.93	1.81	0.49	437.82	5865.15	61.56	52.2	1235	17	8	560
OA167	85	86	5.24	0.63	113.02	0.64	0.16	245.34	2532.03	27.59	23.4	521	8	2.5	290
OA167	86	87	3.07	0.34	85.09	0.88	0.23	238.16	1480.59	17.10	14.5	359	7	6	230
OA167	87	88	3.19	0.39	105.40	1.44	0.39	331.13	2095.72	23.58	20	526	10	2.5	270
OA167	88	89	3.64	0.40	137.15	2.05	0.55	437.12	2410.43	23.58	20	789	12	9	320
OA167	89	90	4.44	0.65	133.34	1.44	0.37	354.60	3318.82	58.37	49.5	784	10	2.5	310
OA167	90	91	5.12	0.55	107.94	0.54	0.13	237.97	3905.33	49.17	41.7	803	11	2.5	480
OA167	91	92	4.55	0.56	91.44	0.42	0.10	194.64	2353.21	34.91	29.6	483	17	2.5	750
OA167	92	93	3.30	0.39	80.01	0.34	0.09	172.97	1544.97	19.58	16.6	341	13	2.5	590
OA167	93	94	3.19	0.35	106.67	1.38	0.38	322.76	2002.74	20.52	17.4	579	13	6	460
OA167	94	95	2.85	0.31	100.33	1.55	0.42	320.83	2110.02	19.81	16.8	599	9	2.5	220
OA167	95	96	4.33	0.52	105.40	0.74	0.20	252.92	1859.68	21.23	18	414	16	6	640
OA167	96	97	2.85	0.27	62.23	0.27	0.07	138.13	2210.16	71.82	60.9	242	19	2.5	820
OA167	97	98	3.30	0.38	82.55	0.35	0.09	180.22	646.60	12.15	10.3	130.5	11	2.5	490
OA167	98	99	1.71	0.20	41.91	0.25	0.06	98.72	645.17	13.09	11.1	116	7	2.5	290
OA167	99	100	2.39	0.30	57.15	0.48	0.13	150.25	1075.75	12.85	10.9	185.5	12	5	540
OA167	100	101	1.94	0.22	59.69	0.78	0.21	176.22	1369.01	9.91	8.4	269	5	2.5	130
OA167	101	102	2.51	0.28	73.66	1.03	0.28	232.29	1530.66	13.56	11.5	357	10	7	340
OA167	102	103	2.28	0.22	66.04	0.84	0.23	197.54	1326.10	11.79	10	304	9	2.5	310
OA167	103	104	2.28	0.22	55.88	0.64	0.17	160.32	1509.20	15.92	13.5	252	9	7	290
OA167	104	105	2.39	0.25	68.58	0.79	0.21	195.92	1195.92	11.44	9.7	237	7	2.5	240
OA167	105	106	3.53	0.42	77.47	1.02	0.28	228.69	1466.29	13.44	11.4	357	13	6	490
OA167	106	107	2.73	0.31	81.28	1.46	0.41	267.85	1502.05	15.09	12.8	549	10	2.5	310
OA167	107	108	2.85	0.35	76.20	1.03	0.28	233.19	1273.17	16.16	13.7	459	17	2.5	780
OA167	108	109	3.19	0.31	85.09	1.11	0.29	253.92	1366.15	15.57	13.2	439	20	2.5	880
OA167	109	110	3.87	0.51	73.66	0.32	0.07	150.51	613.70	10.61	9	130	8	2.5	390
OA167	110	111	3.76	0.49	88.90	1.01	0.26	245.88	1745.24	23.11	19.6	473	12	6	510
OA167	111	112	3.64	0.44	91.44	0.97	0.26	251.95	1361.86	17.45	14.8	383	17	5	750
OA167	112	113	3.19	0.47	78.74	0.43	0.11	182.27	1011.38	12.03	10.2	163	18	2.5	790
OA167	113	114	2.39	0.23	71.12	1.03	0.27	225.78	1338.97	12.03	10.2	377	10	2.5	390
OA167	114	115	2.51	0.26	86.36	1.46	0.40	287.39	2396.13	22.05	18.7	672	7	2.5	240
OA167	115	116	2.96	0.35	62.23	0.36	0.09	147.85	2810.98	52.36	44.4	783	22	2.5	1100
OA167	116	117	2.51	0.26	62.23	0.65	0.16	168.47	686.65	11.44	9.7	210	14	2.5	560

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
OA167	117	118	3.53	0.47	101.60	1.57	0.43	313.47	1364.72	15.57	13.2	463	10	2.5	630
OA167	118	119	2.05	0.28	50.80	0.60	0.16	144.09	1261.72	23.35	19.8	390	13	2.5	650
OA167	119	120	2.73	0.35	63.50	1.05	0.25	195.46	1238.83	13.68	11.6	245	13	15	770
OA167	120	121	2.73	0.35	43.18	0.44	0.10	106.98	636.58	7.31	6.2	136	5	2.5	280
OA167	121	122	2.51	0.36	38.10	0.32	0.07	87.06	686.65	7.55	6.4	135	5	2.5	220
OA167	122	123	2.51	0.34	40.64	0.52	0.11	94.70	1403.35	8.02	6.8	169	7	16	300
OA167	123	124	2.62	0.39	50.80	0.45	0.11	123.38	2417.59	42.81	36.3	448	31	6	1670
OA167	124	125.15	3.64	0.50	67.31	0.66	0.16	168.77	1895.45	19.22	16.3	282	16	12	680
OA167	125.15	126.35	2.39	0.30	52.07	0.46	0.10	107.09	1102.93	6.37	5.4	93.4	7	14	340
OA167	126.35	127.55	2.28	0.28	43.18	0.41	0.09	91.16	709.54	4.95	4.2	129.5	6	17	270
R179	50	51	2.62	0.33	46.99	0.10	0.02	88.11	266.08	17.69	15	13.5	11	2.5	520
R179	51	52	4.33	0.41	104.14	0.25	0.06	202.86	479.23	18.63	15.8	12.2	41	2.5	2030
R179	52	53	1.71	0.22	26.67	0.05	0.01	47.79	111.58	12.50	10.6	5.7	8	2.5	410
R179	53	54	6.60	0.78	172.71	0.47	0.08	319.47	992.78	25.00	21.2	42.2	46	2.5	1900
R179	54	55	2.96	0.28	64.77	0.18	0.04	133.89	268.94	18.51	15.7	22.3	8	2.5	400
R179	55	56	6.38	0.63	184.14	0.62	0.12	350.09	977.05	25.12	21.3	42.1	55	2.5	2650
R179	56	57	6.60	0.81	194.30	0.55	0.11	371.10	758.18	23.23	19.7	31.5	60	2.5	2870
R179	57	58	9.45	1.02	287.01	0.83	0.17	568.55	1645.10	35.97	30.5	46.8	183	8	9210
R179	58	59	9.11	0.98	243.83	0.69	0.14	478.62	1873.99	39.98	33.9	44	240	2.5	12150
R179	59	60	14.35	1.54	499.09	1.54	0.33	898.85	1637.95	41.51	35.2	65.2	218	2.5	11000
R179	60	61	4.33	0.50	111.75	0.31	0.06	203.72	613.70	18.87	16	24.9	77	2.5	4030
R179	61	62	13.32	1.43	359.39	1.05	0.22	670.72	1773.85	36.08	30.6	75.6	237	2.5	11850
R179	62	63	2.39	0.26	50.80	0.13	0.03	95.05	291.83	13.68	11.6	15.8	19	2.5	860
R179	63	64	2.05	0.24	41.91	0.11	0.02	77.08	364.78	14.50	12.3	8.2	17	2.5	710
R179	64	65	2.28	0.32	44.45	0.12	0.03	82.42	341.90	13.33	11.3	12.1	14	2.5	610
R179	65	66	3.07	0.39	55.88	0.11	0.03	103.37	281.81	13.21	11.2	9.5	31	2.5	1410
R179	66	67	4.10	0.55	90.17	0.27	0.05	160.81	772.48	27.95	23.7	38.1	18	2.5	720
R179	67	68	3.76	0.41	87.63	0.23	0.05	154.74	642.31	18.99	16.1	23.7	34	2.5	1630
R179	68	69	16.06	1.85	420.35	1.68	0.30	798.16	2653.62	48.11	40.8	221	181	2.5	9060
R179	69	70	6.49	0.74	170.17	0.53	0.12	336.42	3218.68	27.83	23.6	344	59	2.5	2960
R179	70	71	7.97	0.90	201.92	0.53	0.12	380.13	2510.57	27.95	23.7	192.5	73	2.5	3680
R179	71	72	18.90	2.42	389.87	0.46	0.10	641.17	1314.65	45.87	38.9	116	51	2.5	2400
R179	72	73	17.08	2.08	360.66	0.37	0.07	580.39	858.32	43.04	36.5	51.5	41	2.5	1840
R179	73	74	13.66	1.92	300.98	0.31	0.07	473.39	683.79	36.56	31	44.5	32	2.5	1380
R179	74	75	9.45	1.11	212.08	0.27	0.06	370.01	660.90	29.36	24.9	47.2	28	13	1190
R179	75	76	4.44	0.58	106.67	0.24	0.06	199.40	523.57	17.69	15	28.3	16	2.5	620
R179	76	77	5.58	0.56	118.10	0.27	0.06	224.29	642.31	23.82	20.2	30	31	2.5	1260
R179	77	78	2.51	0.27	48.26	0.11	0.02	87.44	310.42	12.97	11	12.8	17	2.5	720
R179	78	79	6.26	0.81	137.15	0.29	0.08	272.42	1444.83	19.81	16.8	85.1	51	2.5	2340
R179	79	80	3.19	0.42	72.39	0.19	0.04	136.45	1165.88	20.87	17.7	85.2	38	2.5	1880
R179	80	81	3.87	0.51	85.09	0.23	0.05	158.54	925.55	30.19	25.6	38	52	201	2640
R179	81	82	11.84	1.51	259.07	0.37	0.08	408.82	906.95	39.27	33.3	68.9	50	2.5	2510
R179	82	83	10.02	1.23	232.40	0.37	0.08	376.69	743.87	29.48	25	65.5	38	2.5	1730
R179	83	84	10.70	1.38	271.77	0.41	0.09	460.93	709.54	25.71	21.8	55.2	41	850	1920
R179	84	85	4.90	0.66	104.14	0.19	0.04	176.55	553.61	16.98	14.4	26.1	22	2.5	1030
R179	85	86	8.08	1.02	200.65	0.41	0.09	356.39	1602.19	26.42	22.4	145	33	2.5	1490
R179	86	87	3.07	0.38	69.85	0.18	0.03	124.69	575.07	12.97	11	18.3	50	23	2650
R179	87	88	4.10	0.58	95.25	0.28	0.05	178.68	809.68	19.22	16.3	25.9	80	2.5	3930
R179	88	89	3.64	0.44	68.58	0.20	0.04	126.71	615.13	20.52	17.4	44.1	25	2.5	1050
R179	89	90	2.85	0.23	54.61	0.17	0.04	99.09	291.83	9.67	8.2	18	22	6	1030
R179	90	91	1.94	0.26	41.91	0.09	0.02	76.53	214.58	10.73	9.1	11.6	16	11	680
R179	91	92.15	3.87	0.41	72.39	0.20	0.04	133.99	473.50	15.21	12.9	21.1	29	9	1180
R179	92.15	93	2.62	0.30	62.23	0.11	0.02	116.53	296.12	11.56	9.8	10.2	21	8	920
R179	93	94	2.73	0.33	62.23	0.14	0.03	118.68	433.45	12.74	10.8	20.3	25	2.5	1010
R179	94	95	3.42	0.40	95.25	0.20	0.04	183.99	413.42	13.44	11.4	13.3	35	2.5	1510
R179	95	96	2.05	0.22	39.37	0.10	0.02	76.26	334.74	9.32	7.9	7.4	27	7	1310

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
R179	96	97	1.48	0.22	34.29	0.10	0.02	68.18	467.78	8.96	7.6	19.1	15	8	620
R179	97	98	3.76	0.41	74.93	0.26	0.06	153.32	975.62	14.03	11.9	43.6	28	6	1060
R179	98	99	1.82	0.17	31.75	0.08	0.02	64.00	449.18	6.96	5.9	65.1	23	9	1010
R179	99	100	3.19	0.44	82.55	0.22	0.05	160.64	692.37	13.33	11.3	54.4	33	10	1400
R179	100	101	2.85	0.28	71.12	0.21	0.05	134.70	620.85	12.15	10.3	22.9	41	6	1750
R179	101	102	1.71	0.14	33.02	0.09	0.02	61.67	424.87	8.37	7.1	16.5	29	23	1270
R179	102	103	3.53	0.33	83.82	0.18	0.04	152.16	776.78	12.38	10.5	44	48	18	2250
R179	103	104	2.28	0.24	49.53	0.09	0.02	83.98	330.45	7.67	6.5	15.2	17	6	790
R179	104	105	3.53	0.41	83.82	0.21	0.04	153.19	682.36	10.14	8.6	16.3	91	7	4070
R179	105	106	2.39	0.22	49.53	0.11	0.02	90.91	273.23	7.78	6.6	12.2	14	5	590
R179	106	107	1.48	0.16	36.83	0.10	0.03	73.53	514.99	8.14	6.9	64.3	25	14	1150
R179	107	108	4.21	0.48	81.28	0.25	0.05	154.86	815.40	16.63	14.1	30.5	41	238	1810
R179	108	109	1.82	0.23	30.48	0.07	0.01	56.08	178.82	8.96	7.6	6.8	10	20	460
R179	109	110	5.69	0.80	114.29	0.25	0.05	198.95	669.49	12.85	10.9	39.9	56	13	2840
R179	110	111	6.83	0.99	93.98	0.23	0.04	162.05	1054.30	12.74	10.8	40.1	60	47	3130
R179	111	112	2.62	0.30	59.69	0.18	0.04	115.48	483.52	8.96	7.6	17.8	35	5	1660
R179	112	113	5.47	0.58	142.23	0.44	0.09	278.66	1256.00	14.62	12.4	44.5	104	14	5250
R179	113	114	4.78	0.48	115.56	0.36	0.07	223.26	895.51	14.39	12.2	20.9	80	9	4150
R179	114	115	5.47	0.66	125.72	0.36	0.07	241.61	948.44	12.74	10.8	22.6	91	25	4400
R179	115	116	1.94	0.31	33.02	0.09	0.02	63.45	271.80	5.19	4.4	20.4	23	36	1150
R179	116	117	13.66	2.10	196.84	0.33	0.06	322.12	1231.68	12.26	10.4	139.5	62	2.5	3170
R179	117	118	1.82	0.22	31.75	0.08	0.02	57.21	250.34	6.25	5.3	15.3	14	2.5	700
R179	118	119	1.71	0.23	29.21	0.10	0.02	56.69	231.75	6.49	5.5	14.6	14	6	660
R179	119	120	1.82	0.28	36.83	0.09	0.02	69.85	286.11	8.02	6.8	15	8	5	300
R179	120	121	2.62	0.25	49.53	0.19	0.03	91.84	227.45	6.96	5.9	38.6	7	19	320
R179	121	122	5.24	0.67	106.67	0.48	0.10	220.63	1244.56	15.92	13.5	81	46	10	2160
R179	122	123	3.87	0.49	73.66	0.31	0.06	143.55	507.84	8.25	7	32.7	16	10	720
R179	123	124	2.05	0.30	36.83	0.12	0.03	71.88	340.46	6.37	5.4	17	34	25	1790
R179	124	125	0.91	0.13	17.78	0.06	0.01	33.77	118.73	3.07	2.6	9.2	5	2.5	230
R179	125	126	2.73	0.33	45.72	0.13	0.03	86.35	306.13	5.78	4.9	23.4	14	5	630
R179	126	127	4.44	0.55	73.66	0.23	0.05	145.88	612.26	10.02	8.5	36.1	39	7	1760
R179	127	128	3.19	0.41	59.69	0.19	0.04	116.81	590.81	11.08	9.4	17.5	45	5	2230
R179	128	129	2.05	0.20	31.75	0.09	0.02	61.54	360.49	5.78	4.9	21.4	12	2.5	540
R179	129	130	4.33	0.58	90.17	0.25	0.05	168.79	844.01	12.62	10.7	37.8	75	8	3920
R179	130	131	7.40	0.92	156.20	0.35	0.06	280.98	926.98	15.68	13.3	25.3	88	7	4320
R179	131	133.2	2.51	0.30	50.80	0.17	0.03	97.47	493.53	8.02	6.8	20	41	2.5	2030
R179	133.2	134.4	2.16	0.28	49.53	0.16	0.03	93.45	420.57	5.90	5	19.5	12	2.5	560
R179	134.4	135.5	1.48	0.22	35.56	0.09	0.02	65.81	284.67	4.25	3.6	9.8	18	2.5	800
R179	135.5	136.7	0.23	0.03	3.81	0.01	0.00	8.01	55.79	1.18	1	1.5	4	5	210
R179	136.7	137.7	0.46	0.06	7.62	0.02	0.00	14.98	97.28	2.24	1.9	2	7	2.5	350
R179	137.7	138.65	0.23	0.03	6.35	0.01	0.00	11.35	57.22	1.06	0.9	1.4	6	2.5	290
R179	138.65	139.3	0.68	0.09	10.16	0.06	0.01	20.30	58.65	1.65	1.4	6.3	2	2.5	100
R179	139.3	140	0.34	0.07	8.89	0.02	0.00	16.36	65.80	1.65	1.4	1.9	1	2.5	50
R179	140	141	0.46	0.03	8.89	0.02	0.00	15.49	130.18	1.77	1.5	5.7	4	2.5	150
R179	141	142	0.34	0.07	10.16	0.03	0.01	19.46	94.41	1.53	1.3	2.6	6	2.5	220
R179	142	143	0.91	0.10	24.13	0.11	0.02	48.15	223.16	2.48	2.1	9.3	5	2.5	210
R179	143	144	1.25	0.14	38.10	0.18	0.04	83.71	567.92	9.32	7.9	17.1	14	2.5	430
R179	144	145.05	0.68	0.06	17.78	0.08	0.02	39.14	290.40	4.60	3.9	7.8	7	2.5	230
R179	145.05	146.25	0.91	0.11	19.05	0.05	0.01	35.61	183.11	2.95	2.5	2.5	25	2.5	1070
R179	146.25	147	2.85	0.34	62.23	0.16	0.03	115.11	406.27	5.19	4.4	8.6	61	2.5	2830
R179	147	148	2.28	0.32	59.69	0.13	0.02	109.47	482.09	6.84	5.8	6.4	52	2.5	2370
R179	148	149	1.59	0.23	40.64	0.11	0.02	78.37	311.85	4.60	3.9	13.5	28	2.5	1240
R179	149	150	1.37	0.23	38.10	0.11	0.02	73.75	391.96	4.36	3.7	16.8	31	2.5	1540
R179	150	151	1.48	0.19	36.83	0.09	0.02	67.78	191.69	3.30	2.8	6.4	10	2.5	380
R179	151	152	0.57	0.03	11.43	0.03	0.01	21.00	103.00	2.00	1.7	1.8	8	2.5	370
R179	152	153	0.91	0.16	21.59	0.06	0.01	40.89	274.66	3.77	3.2	9.2	32	2.5	1540

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
R179	153	154	2.05	0.30	48.26	0.12	0.02	91.75	470.64	6.72	5.7	7.4	58	8	2670
R179	154	155	0.80	0.13	19.05	0.05	0.01	35.10	171.66	2.83	2.4	2.7	23	2.5	1150
R179	155	156	1.14	0.13	20.32	0.05	0.01	38.47	167.37	2.71	2.3	5.9	14	2.5	620
R179	156	157.2	0.46	0.03	7.62	0.01	0.00	13.54	52.93	1.18	1	1.7	5	2.5	220
U167B	35	36	15.37	2.56	387.33	1.72	0.40	797.02	2546.33	78.42	66.5	232	42	2.5	1440
U167B	36	37	12.30	1.90	262.88	1.28	0.29	552.99	2038.50	59.67	50.6	163	39	2.5	1400
U167B	37	38	14.57	2.30	321.29	1.65	0.37	690.43	2639.32	79.83	67.7	210	35	2.5	1070
U167B	38	39	11.16	1.65	251.45	1.31	0.29	559.02	2431.89	55.31	46.9	241	39	9	1330
U167B	39	40	15.26	2.38	349.23	1.71	0.37	768.38	2582.10	67.45	57.2	165	36	2.5	1170
U167B	40	41	15.71	1.94	450.83	1.63	0.35	955.11	1959.82	55.66	47.2	114.5	36	2.5	1210
U167B	41	42	11.27	1.57	298.44	1.23	0.27	644.69	1480.59	41.98	35.6	91.3	23	2.5	790
U167B	42	43	19.59	2.84	532.10	2.64	0.59	1166.26	3962.55	77.12	65.4	228	42	2.5	1110
U167B	43	44	14.23	1.73	410.19	1.97	0.43	917.16	2589.25	59.91	50.8	148.5	34	2.5	970
U167B	44	45	13.32	1.81	429.24	2.09	0.45	941.03	2582.10	56.72	48.1	152.5	30	2.5	810
U167B	45	46	9.00	1.15	261.61	1.29	0.28	581.57	1816.77	37.74	32	95	82	2.5	3220
U167B	46	47	11.73	1.49	339.07	2.16	0.49	798.24	3891.03	59.08	50.1	214	95	2.5	3480
U167B	47	48	6.72	0.78	181.60	1.42	0.32	455.40	3204.38	47.52	40.3	139	59	2.5	1900
U167B	48	49	3.87	0.45	101.60	0.87	0.19	263.43	1680.87	31.25	26.5	84.1	30	2.5	780
U167B	49	50	6.83	0.74	194.30	1.52	0.34	494.26	2610.71	48.58	41.2	146.5	37	2.5	940
U167B	50	51	5.24	0.63	128.26	1.06	0.24	318.99	2152.94	37.97	32.2	106	34	2.5	970
U167B	51	52	3.19	0.35	71.12	0.52	0.11	167.24	1001.37	22.76	19.3	58.5	23	2.5	720
U167B	52	53	2.96	0.51	66.04	0.47	0.10	154.00	884.06	29.72	25.2	48.7	26	2.5	770
U167B	53	54	5.92	0.66	163.82	1.24	0.27	390.31	2875.36	43.51	36.9	127	58	2.5	1930
U167B	54	55	5.01	0.72	139.69	0.90	0.19	329.78	1881.14	30.90	26.2	74.6	72	2.5	2990
U167B	55	56	5.12	0.56	146.04	0.97	0.22	348.34	1494.90	33.61	28.5	98.6	28	2.5	780
U167B	56	57	5.12	0.71	137.15	1.14	0.26	346.58	2238.77	37.97	32.2	143.5	34	2.5	920
U167B	57	58	4.33	0.53	105.40	0.91	0.20	270.65	1695.17	34.20	29	116	25	2.5	700
U167B	58	59	6.26	0.61	173.98	1.41	0.32	441.23	2603.56	42.81	36.3	169	46	2.5	1360
U167B	59	60	5.12	0.51	135.88	0.90	0.20	318.71	1420.51	26.65	22.6	88.5	35	2.5	1130
U167B	60	61	3.64	0.44	115.56	0.78	0.17	271.94	1078.62	18.28	15.5	72.9	29	2.5	990
U167B	61	62	4.10	0.45	106.67	0.69	0.15	241.56	1022.83	17.33	14.7	65.8	39	5	1450
U167B	62	63	1.94	0.27	54.61	0.45	0.10	136.44	682.36	12.97	11	42.1	22	2.5	570
U167B	63	64	2.28	0.27	69.85	0.60	0.13	171.05	1125.82	12.26	10.4	52.6	31	2.5	1000
U167B	64	65	2.62	0.31	71.12	0.71	0.15	189.33	2017.04	20.28	17.2	62.7	64	2.5	2380
U167B	65	66	2.62	0.24	62.23	0.57	0.12	160.73	1559.27	16.75	14.2	60.3	40	2.5	1480
U167B	66	67	3.07	0.30	85.09	0.86	0.19	233.49	2203.01	23.35	19.8	104	65	2.5	2430
U167B	67	68	3.64	0.36	93.98	0.92	0.20	259.91	2331.76	25.59	21.7	103	138	2.5	6160
U167B	68	69	2.85	0.35	74.93	0.62	0.13	188.81	1695.17	21.93	18.6	69.6	75	2.5	3070
U167B	69	70	2.62	0.34	69.85	0.48	0.10	170.00	1170.17	14.50	12.3	50.2	60	2.5	2340
U167B	70	71	1.82	0.24	50.80	0.40	0.09	130.77	722.42	15.09	12.8	42.7	27	2.5	780
U167B	71	72	1.71	0.25	46.99	0.42	0.09	122.10	728.14	11.20	9.5	46.9	22	2.5	620
U167B	72	73	5.69	0.60	123.18	1.15	0.27	329.34	1659.41	13.44	11.4	116	20	2.5	500
U167B	73	74	6.26	0.72	172.71	2.13	0.52	507.73	1959.82	22.76	19.3	195	17	2.5	500
U167B	74	75	3.30	0.31	104.14	0.91	0.20	269.78	1366.15	20.17	17.1	114	31	2.5	1060
U167B	75	76	2.85	0.25	86.36	0.73	0.16	219.06	1124.39	16.75	14.2	87.8	25	2.5	810
U167B	76	77	3.30	0.47	102.87	0.54	0.11	230.36	846.87	14.27	12.1	46.3	24	6	680
U167B	77	78	4.90	0.48	156.20	1.57	0.35	434.38	2481.96	30.66	26	193	40	6	1350
U167B	78	79	5.81	0.55	190.49	1.68	0.38	505.85	2567.79	33.25	28.2	219	29	2.5	760
U167B	79	80	6.72	0.75	224.78	1.91	0.43	592.10	2875.36	36.44	30.9	248	30	2.5	740
U167B	80	81	6.72	1.00	213.35	1.78	0.39	557.81	2789.52	34.91	29.6	238	30	2.5	770
U167B	81	82	9.11	0.82	316.21	2.44	0.56	804.31	3404.65	41.16	34.9	302	31	2.5	740
U167B	82	83	8.65	0.81	297.17	2.75	0.63	815.23	4062.69	48.23	40.9	355	45	2.5	1220
U167B	83	84	7.63	0.75	267.96	2.19	0.50	704.18	3175.77	37.97	32.2	269	28	2.5	710
U167B	84	85	6.38	0.50	220.97	2.41	0.55	653.49	3891.03	47.29	40.1	321	34	2.5	780
U167B	85	86	7.17	0.65	236.21	2.57	0.60	694.70	4177.13	45.87	38.9	329	42	2.5	1010
U167B	86	87	4.55	0.41	148.58	1.62	0.37	429.21	2989.80	31.96	27.1	209	45	8	1330

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U167B	87	88	4.44	0.36	134.61	1.14	0.26	354.99	1873.99	22.88	19.4	135.5	23	7	650
U167B	88	89	7.52	0.80	231.13	1.98	0.45	606.27	3647.84	45.40	38.5	234	45	22	1260
U167B	89	90	5.01	0.59	179.06	1.77	0.40	499.08	3147.16	37.26	31.6	227	39	33	1050
U167B	90	91	4.78	0.55	143.50	1.15	0.26	370.26	1852.53	21.70	18.4	141.5	27	2.5	840
U167B	91	92	5.35	0.56	171.44	1.28	0.29	432.90	1852.53	22.41	19	149.5	20	2.5	530
U167B	92	93	4.10	0.43	140.96	1.14	0.26	363.24	1745.24	21.46	18.2	141.5	20	2.5	590
U167B	93	94	3.19	0.28	102.87	0.88	0.20	270.00	1680.87	16.75	14.2	119.5	24	6	730
U167B	94	95	3.30	0.34	99.06	0.97	0.22	281.17	1895.45	19.10	16.2	137	23	5	580
U167B	95	96	2.28	0.18	83.82	0.73	0.17	219.38	1451.98	16.27	13.8	112.5	15	2.5	420
U167B	96	97	4.10	0.33	133.34	1.26	0.29	367.45	2017.04	23.11	19.6	163	20	5	490
U167B	97	98	3.64	0.35	116.83	1.12	0.26	322.71	1795.31	19.22	16.3	137	23	2.5	560
U167B	98	99	2.05	0.20	62.23	0.63	0.14	167.30	891.22	10.26	8.7	70.5	31	2.5	710
U167B	99	100	2.51	0.35	68.58	0.47	0.11	164.39	615.13	9.08	7.7	67.6	13	2.5	420
U167B	100	101	2.28	0.30	66.04	0.48	0.11	160.51	959.88	11.91	10.1	61.9	12	10	330
U167B	101	102	3.53	0.38	95.25	0.82	0.18	240.18	1241.70	14.74	12.5	84.9	20	11	590
U167B	102	103	2.62	0.23	73.66	0.75	0.16	195.91	1037.13	12.50	10.6	78.6	14	8	370
U167B	103	104	2.39	0.24	59.69	0.56	0.12	146.46	716.69	10.14	8.6	51.8	13	8	340
U167B	104	105	2.51	0.28	69.85	0.50	0.11	166.20	806.82	10.61	9	58.1	15	7	430
U167B	105	106	2.05	0.30	54.61	0.44	0.10	141.79	753.89	8.84	7.5	57	11	2.5	310
U167B	106	107	2.73	0.31	92.71	0.83	0.19	246.46	1198.78	12.26	10.4	95.4	13	2.5	330
U167B	107	108	4.44	0.72	146.04	1.32	0.29	404.08	2210.16	29.83	25.3	160.5	26	9	740
U167B	108	109	3.76	0.56	110.48	0.97	0.21	297.77	1602.19	21.11	17.9	102	23	7	710
U167B	109	110	5.01	0.61	158.74	0.95	0.20	377.14	1273.17	15.45	13.1	77	14	2.5	350
U167B	110	111	3.76	0.52	107.94	0.71	0.15	263.40	954.16	11.32	9.6	67.2	12	2.5	330
U167B	111	112	2.96	0.50	87.63	0.72	0.16	231.34	1198.78	13.56	11.5	75.1	20	2.5	690
U167B	112	113	2.62	0.27	77.47	0.74	0.16	208.10	1163.02	11.79	10	69.7	18	2.5	510
U167B	113	114	2.05	0.27	60.96	0.57	0.13	168.88	968.47	11.56	9.8	63.7	13	2.5	340
U167B	114	115	5.12	0.84	156.20	1.58	0.35	459.25	2775.22	30.19	25.6	191.5	28	2.5	750
U167B	115	116	3.30	0.52	111.75	0.92	0.20	289.97	1473.44	16.16	13.7	94.2	16	2.5	440
U167B	116	117	2.16	0.35	78.74	0.68	0.14	204.73	1194.49	12.74	10.8	73.8	16	2.5	440
U167B	117	118	4.78	0.74	124.45	0.89	0.19	308.75	1738.09	25.24	21.4	103	39	6	1510
U167B	118	119	1.14	0.24	31.75	0.30	0.07	88.24	831.14	13.33	11.3	35.7	25	2.5	980
U167B	119	120	1.48	0.19	45.72	0.36	0.08	118.52	861.18	9.32	7.9	40.8	23	2.5	1020
U167B	120	121	2.96	0.43	88.90	0.66	0.14	228.29	1072.89	12.74	10.8	63.9	14	2.5	380
U167B	121	122	1.37	0.18	34.29	0.23	0.05	86.07	470.64	8.14	6.9	31.9	10	2.5	370
U167B	122	123	2.16	0.23	45.72	0.17	0.04	95.43	400.55	6.96	5.9	28	16	2.5	650
U167B	123	124	4.21	0.53	120.64	0.14	0.02	207.75	466.35	3.18	2.7	83.3	14	2.5	380
U167B	124	125	3.99	0.45	102.87	0.15	0.03	178.79	480.66	3.07	2.6	73.9	16	2.5	550
U167B	125	126	1.48	0.22	45.72	0.24	0.05	105.10	546.46	7.43	6.3	29.2	15	2.5	570
U167B	126	127	2.51	0.36	63.50	0.28	0.06	138.72	384.81	5.19	4.4	32.7	9	2.5	290
U167B	127	128	2.51	0.38	77.47	0.68	0.15	207.95	1154.43	13.33	11.3	85.3	19	2.5	690
U167B	128	129	2.62	0.39	73.66	0.53	0.12	178.63	781.07	10.38	8.8	66.5	15	2.5	720
U167B	129	130	1.71	0.22	39.37	0.19	0.04	86.90	386.24	6.13	5.2	28.7	13	2.5	540
U167B	130	131	3.53	0.52	96.52	0.40	0.09	208.68	638.01	12.03	10.2	41.7	18	2.5	700
U167B	131	132	2.62	0.36	71.12	0.37	0.08	157.51	605.11	9.08	7.7	31.9	15	6	580
U167B	132	133	1.94	0.24	55.88	0.27	0.06	130.79	487.81	8.14	6.9	45.5	11	6	370
U167B	133	134	1.37	0.20	36.83	0.20	0.04	88.59	376.23	7.19	6.1	27.6	8	2.5	240
U167B	134	135	2.05	0.28	55.88	0.35	0.08	137.55	609.40	9.32	7.9	45	13	10	430
U167B	135	136	2.39	0.30	63.50	0.42	0.09	158.02	726.71	9.32	7.9	52.6	28	2.5	1010
U167B	136	137	1.25	0.16	40.64	0.33	0.07	109.04	523.57	8.37	7.1	49.3	8	2.5	230
U167B	137	138	1.82	0.23	50.80	0.46	0.10	138.73	773.91	9.79	8.3	59.2	10	2.5	270
U167B	138	139	2.05	0.16	57.15	0.51	0.11	157.31	904.09	13.68	11.6	74.8	12	2.5	350
U167B	139	140	1.82	0.28	48.26	0.37	0.08	123.13	729.57	9.67	8.2	45.5	30	2.5	1270
U167B	140	141	1.94	0.26	44.45	0.37	0.08	116.04	723.85	8.73	7.4	48	30	2.5	1390
U167B	141	142	1.25	0.25	30.48	0.61	0.13	84.00	432.02	5.90	5	32.8	10	2.5	400
U167B	142	143	2.16	0.44	58.42	0.32	0.07	129.68	592.24	8.61	7.3	36.9	38	2.5	1570

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U167B	143	144	2.39	0.40	69.85	0.45	0.10	164.21	831.14	13.21	11.2	59.8	42	8	1830
U167B	144	145	5.24	0.73	138.42	0.50	0.10	279.33	781.07	11.20	9.5	31.3	83	5	3910
U167B	145	146	5.01	0.64	142.23	0.51	0.10	282.89	670.92	9.79	8.3	24.8	76	8	3490
U167B	146	147	5.47	0.65	125.72	0.47	0.10	260.22	652.32	9.20	7.8	27.2	84	6	3650
U167B	147	148	5.58	0.78	142.23	0.48	0.10	287.26	665.19	9.43	8	25	87	44	3650
U167B	148	149	5.47	0.75	134.61	0.45	0.10	273.12	610.83	7.67	6.5	35	72	62	2930
U167B	149	150	3.30	0.40	86.36	0.47	0.10	193.80	752.46	9.67	8.2	39.8	58	2.5	2300
U167B	150	151	1.25	0.27	35.56	0.34	0.08	99.30	643.74	7.67	6.5	40.3	19	2.5	670
U167B	151	152	1.82	0.33	46.99	0.28	0.06	112.91	719.55	30.66	26	87.8	28	2.5	1130
U167B	152	153	3.53	0.51	101.60	0.39	0.09	212.84	709.54	36.32	30.8	71.2	58	2.5	2530
U167B	153	154	2.62	0.41	74.93	0.73	0.16	199.42	1061.45	15.80	13.4	88.9	21	47	740
U167B	154	155	3.30	0.44	86.36	0.38	0.08	186.02	582.22	8.37	7.1	31.7	39	2.5	1690
U167B	155	156	3.19	0.36	83.82	0.43	0.10	187.53	709.54	10.26	8.7	40.7	50	2.5	2360
U167B	156	157	2.85	0.43	77.47	0.31	0.07	161.58	540.74	7.90	6.7	28	43	2.5	1880
U167B	157	158	3.19	0.50	87.63	0.38	0.08	186.53	728.14	9.43	8	25.8	84	2.5	3880
U167B	158	159	4.78	0.71	120.64	0.47	0.10	244.87	841.15	11.20	9.5	25	107	2.5	5040
U167B	159	160	13.78	1.68	302.25	1.38	0.30	637.97	3318.82	52.59	44.6	137.5	95	2.5	4090
U179	50	51	6.95	0.98	133.34	0.37	0.08	240.62	889.79	22.17	18.8	51.5	45	8	1730
U179	51	52	4.90	0.60	96.52	0.21	0.04	154.77	914.11	26.53	22.5	23.2	88	2.5	3910
U179	52	53	14.46	1.77	323.83	0.67	0.14	545.80	1680.87	43.04	36.5	42.9	60	8	2420
U179	53	54	24.82	3.17	553.69	0.72	0.14	866.87	1161.59	37.97	32.2	61.1	64	8	2880
U179	54	55	17.54	2.43	433.05	1.39	0.30	799.64	1609.34	46.70	39.6	162.5	95	2.5	4290
U179	55	56	13.09	1.73	341.61	0.92	0.20	607.98	1437.68	42.22	35.8	81.9	67	2.5	2890
U179	56	57	20.38	2.83	568.93	1.54	0.32	1025.01	2017.04	48.00	40.7	86.6	212	6	11150
U179	57	58	16.40	2.55	426.70	1.31	0.28	807.79	1559.27	62.15	52.7	95.2	161	2.5	7750
U179	58	59	18.79	2.57	509.25	2.01	0.44	1058.58	2009.89	67.33	57.1	134.5	163	2.5	7690
U179	59	60	20.95	2.85	548.61	2.18	0.48	1145.91	1959.82	59.79	50.7	131	115	2.5	4720
U179	60	61	19.02	2.63	516.87	2.05	0.44	1087.05	2160.09	68.99	58.5	121.5	136	2.5	5220
U179	61	62	15.37	2.26	424.16	1.56	0.34	881.50	1559.27	59.43	50.4	86.8	137	2.5	5930
U179	62	63	12.87	1.66	335.26	1.43	0.30	680.23	3318.82	69.93	59.3	107	165	2.5	7370
U179	63	64	7.86	1.05	193.03	0.72	0.16	390.66	1343.26	26.77	22.7	104.5	106	2.5	4790
U179	64	65	10.82	1.34	265.42	0.86	0.19	522.75	1637.95	37.26	31.6	103	179	2.5	8100
U179	65	66	17.76	2.42	375.90	1.50	0.33	741.57	3232.99	51.77	43.9	239	242	9900	10800
U179	66	67	6.72	0.93	154.93	0.76	0.16	327.73	1988.43	33.84	28.7	92.1	147	2.5	7130
U179	67	68	10.02	1.26	255.26	1.17	0.25	547.90	2567.79	46.11	39.1	96.4	166	120	7580
U179	68	69	19.02	2.43	539.72	1.62	0.35	1061.39	1873.99	42.57	36.1	74.8	297	2.5	14650
U179	69	70	18.56	2.22	497.82	1.62	0.35	988.74	2203.01	46.93	39.8	81	456	2.5	23600
U179	70	71	20.04	2.37	567.66	1.95	0.42	1152.62	2617.86	43.51	36.9	130.5	315	47	15050
U179	71	72	14.92	1.93	424.16	1.58	0.35	868.77	2403.28	51.06	43.3	110.5	289	2.5	14500
U179	72	73	4.78	0.56	107.94	0.36	0.08	210.58	639.44	35.73	30.3	52.8	47	2.5	2200
U179	73	74	13.09	1.55	370.82	1.42	0.30	754.01	1437.68	44.46	37.7	66	216	16	10150
U179	74	75	12.41	1.50	318.75	1.03	0.22	635.53	1702.32	44.46	37.7	68.9	325	2.5	16150
U179	75	76	12.53	1.56	307.33	1.09	0.23	608.03	1680.87	33.61	28.5	113	149	2.5	6460
U179	76	77	10.93	1.33	311.14	1.20	0.26	650.68	1473.44	34.43	29.2	228	91	24	3980
U179	77	78	8.31	1.02	222.24	0.77	0.16	447.55	1062.88	24.88	21.1	39.4	178	2.5	8250
U179	78	79	7.06	0.90	175.25	0.57	0.12	353.94	832.57	25.12	21.3	39.1	171	2.5	7960
U179	79	80	4.44	0.57	104.14	0.33	0.07	203.40	565.06	18.63	15.8	67.8	37	31	1750
U179	80	81	7.17	1.10	200.65	0.76	0.16	412.85	878.34	15.21	12.9	53.6	105	2.5	5370
U179	81	82	7.52	1.00	194.30	0.78	0.17	411.77	1308.93	19.93	16.9	67.4	153	2.5	7890
U179	82	83	7.74	0.89	191.76	0.67	0.14	400.05	1451.98	20.87	17.7	53.4	187	2.5	9940
U179	83	84	6.38	0.69	142.23	0.52	0.11	294.47	955.59	18.04	15.3	59.4	92	2.5	4630
U179	84	85	6.15	0.67	180.33	0.67	0.14	381.97	902.66	11.08	9.4	49.6	51	6	2420
U179	85	86	2.96	0.49	90.17	0.32	0.08	193.58	997.08	7.90	6.7	96.2	30	7	1360
U179	86	87	6.26	0.73	182.87	0.63	0.14	375.89	815.40	11.67	9.9	50.6	33	2.5	1510
U179	87	88	3.64	0.28	102.87	0.38	0.08	216.64	522.14	8.14	6.9	28	23	17	990
U179	88	89	2.73	0.35	78.74	0.43	0.10	187.77	773.91	24.41	20.7	64.3	27	9	1260

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U179	89	90	2.39	0.22	68.58	0.53	0.12	187.20	1237.40	20.52	17.4	64.3	24	5	900
U179	90	91	1.71	0.11	43.18	0.22	0.05	97.57	532.16	10.97	9.3	15.7	28	11	1350
U179	91	92	3.30	0.35	100.33	0.47	0.10	209.16	785.36	9.20	7.8	61.6	26	2.5	1220
U179	92	93	1.14	0.15	20.32	0.09	0.02	44.92	264.65	6.49	5.5	9	13	2.5	600
U179	93	94	1.94	0.32	39.37	0.13	0.03	80.11	367.64	7.43	6.3	13.5	44	9	2460
U179	94	95	2.28	0.39	57.15	0.21	0.04	121.60	517.85	8.25	7	25.4	25	2790	1140
U179	95	96	7.06	0.78	200.65	0.62	0.13	405.90	748.16	11.91	10.1	45.2	34	2.5	1510
U179	96	97	8.54	0.89	223.51	0.66	0.13	446.38	1153.00	16.27	13.8	52.8	44	10	1780
U179	97	98	12.41	1.34	350.50	0.97	0.23	737.90	798.23	13.68	11.6	80.9	45	691	2290
U179	98	99	10.25	1.16	300.98	0.75	0.19	641.26	1150.14	17.22	14.6	108.5	49	15	1890
U179	99	100	7.06	0.89	132.07	0.51	0.11	279.55	1291.76	20.28	17.2	67.8	89	17	3890
U179	100	101	3.42	0.45	77.47	0.29	0.06	164.52	864.04	10.50	8.9	52.8	56	195	2740
U179	101	102	6.49	0.76	147.31	0.74	0.16	318.34	2174.40	30.31	25.7	78	222	2.5	10950
U179	102	103	4.33	0.59	121.91	0.46	0.09	251.95	643.74	17.92	15.2	32.6	34	5	1450
U179	103	104	3.64	0.34	88.90	0.30	0.06	180.48	419.14	11.79	10	23.6	32	5	1400
U179	104	105	2.85	0.39	60.96	0.23	0.05	125.06	387.67	9.67	8.2	25.1	24	11	1110
U179	105	106	6.15	0.74	173.98	0.52	0.11	340.04	446.32	14.62	12.4	37.1	37	32	1830
U179	106	107	8.43	1.05	240.02	0.75	0.15	478.38	831.14	17.33	14.7	43.3	113	2.5	5920
U179	107	108	7.29	0.89	209.54	0.53	0.10	405.94	360.49	10.38	8.8	24.9	83	43	4310
U179	108	109	6.60	0.80	185.41	0.52	0.10	362.83	454.91	10.50	8.9	23.3	95	2.5	4820
U179	109	110	7.06	0.72	186.68	0.55	0.11	369.69	693.80	12.03	10.2	35.5	59	2.5	2780
U179	110	111	6.15	0.72	157.47	0.55	0.11	322.08	1048.57	14.15	12	46.8	141	6	6890
U179	111	112	7.29	0.91	195.57	0.70	0.14	398.35	1595.04	20.75	17.6	37	232	2.5	11600
U179	112	113	7.63	0.99	200.65	0.52	0.10	381.88	856.88	16.04	13.6	33.8	165	2.5	7970
U179	113	114	7.74	0.99	215.89	0.48	0.09	399.73	337.60	12.03	10.2	23.1	56	2.5	2530
U179	114	115	5.58	0.64	154.93	0.43	0.09	300.02	607.97	10.97	9.3	45.4	61	2.5	2960
U179	115	116	7.40	0.86	212.08	0.53	0.10	399.45	447.75	9.32	7.9	33.8	44	2.5	2050
U179	116	117	12.75	1.52	325.10	0.80	0.16	619.53	1348.99	18.40	15.6	71	119	2.5	5410
U179	117	118	8.31	1.01	222.24	0.66	0.13	430.68	1559.27	22.05	18.7	43.3	241	2.5	11800
U179	118	119	6.38	0.85	175.25	0.64	0.13	355.32	1170.17	18.99	16.1	34.3	144	2.5	6840
U179	119	120	5.58	0.76	157.47	0.51	0.10	313.82	954.16	18.51	15.7	28.5	184	2.5	8830
U179	120	121	4.10	0.55	107.94	0.39	0.08	220.41	945.58	15.45	13.1	23.7	151	2.5	7300
U179	121	122	5.47	0.78	147.31	0.40	0.08	283.51	821.12	15.09	12.8	27.8	147	2.5	7060
U179	122	123	3.53	0.47	96.52	0.37	0.07	194.36	896.94	13.80	11.7	34.7	79	2.5	3850
U179	123	124	6.03	0.69	161.28	0.55	0.11	321.95	720.98	12.03	10.2	40.2	99	2.5	4750
U179	124	125	15.49	1.79	414.00	1.46	0.34	865.58	1652.26	23.82	20.2	113	192	2.5	8760
U179	125	126	6.83	0.78	185.41	0.66	0.13	372.67	954.16	16.04	13.6	31.3	134	2.5	6300
U179	126	127	9.22	1.07	250.18	1.10	0.22	515.88	1523.51	25.24	21.4	58.8	177	2.5	8150
U179	127	128	7.40	0.91	196.84	0.70	0.14	397.74	944.15	16.51	14	35.3	161	3220	7510
U179	128	129	5.81	0.65	138.42	0.51	0.10	279.99	889.79	13.21	11.2	31.8	144	7	6900
U179	129	130	6.26	0.71	187.95	0.65	0.13	379.36	862.61	13.56	11.5	30.8	130	44	6550
U179	130	131	5.47	0.66	139.69	0.48	0.10	283.75	635.15	10.85	9.2	23.9	106	2.5	4920
U179	131	132	5.47	0.72	165.09	0.56	0.11	333.94	788.22	14.62	12.4	26.5	124	2.5	6330
U179	132	133	6.26	0.74	162.55	0.57	0.11	327.89	1009.95	15.68	13.3	43.2	109	2.5	4980
U179	133	134	3.30	0.32	88.90	0.47	0.10	205.93	805.39	11.32	9.6	36.7	34	2.5	1390
U179	134	135	4.21	0.44	102.87	0.53	0.11	233.09	981.34	12.15	10.3	36.3	55	2.5	2390
U179	135	136	7.29	0.78	201.92	0.69	0.14	416.58	918.40	15.80	13.4	28.8	107	2.5	5300
U179	136	137	8.20	0.89	215.89	0.80	0.16	449.98	1250.28	21.93	18.6	30.4	190	2.5	9760
U179	137	138	7.17	0.96	198.11	0.72	0.14	415.29	1092.92	17.69	15	27.8	220	2.5	11250
U179	138	139	6.03	0.68	165.09	0.65	0.13	349.64	1055.73	15.33	13	28.2	188	2.5	9300
U179	139	140	7.40	0.82	186.68	0.60	0.12	377.59	761.04	12.97	11	36.2	136	5	6910
U179	140	140.95	5.47	0.55	140.96	0.46	0.10	296.14	479.23	8.96	7.6	17.8	101	2.5	5130
U179	140.95	142	3.30	0.38	83.82	0.33	0.07	177.51	582.22	8.84	7.5	17.5	122	2.5	6430
U179	142	143	3.87	0.47	101.60	0.38	0.08	213.08	649.46	8.84	7.5	20.5	103	2.5	5360
U179	143	144	3.76	0.48	105.40	0.37	0.08	215.54	516.42	6.96	5.9	18.6	76	2.5	3750
U179	144	145	3.64	0.42	99.06	0.41	0.08	209.60	633.72	7.55	6.4	19.2	81	2.5	3960

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U179	145	146	4.33	0.58	151.12	0.42	0.08	291.20	542.17	6.01	5.1	27.1	62	2.5	2910
U179	146	147	5.81	0.60	152.39	0.47	0.10	291.09	434.88	4.36	3.7	46.6	43	2.5	2120
U179	147	148	5.12	0.53	153.66	0.40	0.08	292.55	529.29	5.54	4.7	36.1	34	7	1560
U179	148	149	5.58	0.50	124.45	0.56	0.12	266.62	1145.85	14.03	11.9	67	155	2.5	7650
U179	149	150	4.21	0.47	123.18	0.59	0.13	262.95	999.94	12.15	10.3	62.6	63	2.5	3160
U179	150	151	5.12	0.68	147.31	0.55	0.11	299.64	728.14	9.79	8.3	41.9	81	2.5	4080
U179	151	152	4.44	0.51	129.53	0.54	0.12	268.83	735.29	10.02	8.5	78.5	55	2.5	2640
U179	152	153	4.67	0.58	128.26	0.50	0.11	257.49	499.25	6.60	5.6	67.2	40	2.5	1990
U179	153	154	4.78	0.50	139.69	0.46	0.10	278.44	429.16	7.55	6.4	45.5	80	2.5	4040
U179	154	155	3.07	0.39	97.79	0.39	0.08	205.20	284.67	5.78	4.9	34.9	59	2.5	2950
U179	155	156	3.53	0.48	92.71	0.43	0.10	193.81	582.22	6.84	5.8	73.5	20	2.5	810
U179	156	157	3.64	0.36	78.74	0.25	0.06	170.87	1031.41	15.92	13.5	144	63	2.5	2930
U179	157	158	4.44	0.48	123.18	0.57	0.12	262.27	885.50	8.49	7.2	95.4	33	2.5	1500
U179	158	159	3.87	0.45	114.29	0.57	0.13	253.33	795.37	6.25	5.3	55	23	2.5	1000
U179	159	160	4.21	0.47	115.56	0.60	0.14	253.45	705.25	7.67	6.5	73	60	7	2860
U179	160	161	3.87	0.48	115.56	0.82	0.19	279.44	936.99	10.14	8.6	185.5	16	2.5	560
U179	161	162	3.99	0.52	107.94	0.48	0.10	231.43	695.24	7.55	6.4	41.2	35	2.5	1670
U179	162	163	3.30	0.49	97.79	0.34	0.07	204.36	68.67	2.24	1.9	15.2	2	2.5	60
U179	163	164	6.95	0.81	187.95	0.56	0.11	376.38	739.58	9.43	8	36.4	64	2.5	3050
U179	164	165	5.81	0.69	120.64	0.37	0.08	244.75	532.16	8.37	7.1	27.2	64	2.5	3010
U179	165	166	3.42	0.36	100.33	0.39	0.08	210.19	602.25	7.67	6.5	15.4	26	2.5	960
U179	166	167	2.96	0.38	86.36	0.33	0.07	181.61	512.13	6.01	5.1	16.2	21	2.5	610
U179	167	168	6.26	0.67	146.04	0.41	0.08	286.58	891.22	11.08	9.4	40.6	114	2.5	5460
U179	168	169	3.64	0.38	105.40	0.37	0.07	214.30	560.77	7.55	6.4	18.7	41	2.5	1670
U179	169	170	4.21	0.47	111.75	0.38	0.08	224.21	543.60	7.67	6.5	19.7	70	2.5	3250
U179	170	171	2.73	0.41	85.09	0.38	0.08	182.05	579.36	7.90	6.7	29.6	29	2.5	980
U179	171	172	2.96	0.31	87.63	0.39	0.08	185.33	620.85	8.49	7.2	25.9	30	2.5	970
U179	172	173	3.42	0.48	105.40	0.37	0.07	215.07	507.84	6.72	5.7	18.3	47	2.5	1930
U179	173	174	3.76	0.43	97.79	0.35	0.07	197.69	612.26	10.14	8.6	15.4	96	2.5	4540
U179	174	175	3.53	0.32	88.90	0.36	0.07	182.84	801.09	11.44	9.7	23	100	2.5	4880
U179	175	176	2.62	0.40	73.66	0.23	0.04	146.49	459.20	6.49	5.5	11.4	64	2.5	2890
U179	176	177	0.68	0.03	13.97	0.05	0.01	28.23	134.47	2.59	2.2	2.3	25	2.5	1310
U179	177	178	0.80	0.08	19.05	0.09	0.02	41.77	218.87	3.54	3	9.8	10	2.5	390
U179	178	179	1.82	0.17	45.72	0.28	0.06	104.02	688.08	8.37	7.1	31.5	29	2.5	1410
U179	179	180	0.57	0.08	10.16	0.03	0.01	19.78	108.72	2.59	2.2	3.9	32	2.5	1650
U179	180	181	3.64	0.44	95.25	0.13	0.03	170.27	384.81	9.20	7.8	44.6	33	2.5	1550
U179	181	182	0.46	0.03	8.89	0.04	0.01	19.18	115.87	1.77	1.5	4.3	4	2.5	130
U179	182	183	0.34	0.06	6.35	0.02	0.00	12.06	48.64	1.42	1.2	2.2	3	2.5	110
U179	183	184	1.02	0.13	17.78	0.05	0.01	34.79	138.76	3.66	3.1	8.9	4	2.5	200
U179	184	185	0.57	0.03	12.70	0.05	0.01	26.60	158.79	3.54	3	5.6	4	2.5	120
U179	185	186	0.57	0.03	7.62	0.02	0.00	14.39	75.82	1.89	1.6	3.6	6	2.5	230
U179	186	187	1.14	0.11	25.40	0.13	0.03	56.61	273.23	4.60	3.9	21.4	6	2.5	210
U179	187	188	0.68	0.09	19.05	0.08	0.02	37.65	144.48	2.59	2.2	13.3	4	2.5	160
U179	188	189	1.02	0.11	24.13	0.13	0.03	50.80	257.49	6.25	5.3	13.4	8	2.5	320
U179	189	190	1.14	0.15	26.67	0.06	0.01	50.87	194.55	4.36	3.7	10.1	10	2.5	480
U179	190	191	1.25	0.08	29.21	0.28	0.06	76.05	419.14	8.84	7.5	25.1	7	2.5	250
U179	191	192	1.25	0.11	25.40	0.23	0.04	63.06	550.75	9.67	8.2	29.8	8	2.5	260
U179	192	193	1.82	0.20	36.83	0.17	0.04	81.91	477.80	9.32	7.9	23.9	10	2.5	320
U179	193	194	0.80	0.13	19.05	0.08	0.02	41.08	253.20	4.25	3.6	10.2	11	2.5	420
U179	194	195	1.14	0.17	25.40	0.10	0.02	55.53	287.54	4.95	4.2	14.6	30	2.5	1330
U179	195	196	1.25	0.19	26.67	0.11	0.02	57.52	361.92	5.42	4.6	14.2	62	2.5	3040
U179	196	197	2.28	0.26	52.07	0.35	0.08	120.29	590.81	8.61	7.3	24.1	40	2.5	2000
U179	197	198	5.92	0.74	104.14	0.66	0.14	222.88	632.29	10.38	8.8	87.7	34	2.5	1970
U179	198	199	0.68	0.09	8.89	0.02	0.00	16.81	133.04	1.89	1.6	9.1	7	2.5	320
U179	199	200	0.91	0.08	16.51	0.06	0.01	34.54	180.25	3.18	2.7	10.2	11	2.5	510
U179	200	201	1.37	0.13	25.40	0.12	0.03	57.85	333.31	4.83	4.1	12.3	20	2.5	790

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U179	201	202.15	1.71	0.23	48.26	0.29	0.06	114.72	749.60	10.02	8.5	30.5	25	2.5	1030
U203	50	51	1.02	0.07	11.43	0.10	0.02	26.34	137.33	4.72	4	7	6	9	250
U203	51	52	1.02	0.16	13.97	0.10	0.02	27.89	226.02	6.96	5.9	10.5	11	5	450
U203	52	53	0.68	0.06	10.16	0.07	0.02	20.49	128.75	6.37	5.4	8.8	6	7	240
U203	53	54	1.82	0.33	34.29	0.19	0.04	73.88	474.93	8.14	6.9	29.7	15	7	570
U203	54	55	2.62	0.30	38.10	0.09	0.02	67.75	319.01	8.49	7.2	28.1	23	7	920
U203	55	56	0.68	0.13	12.70	0.05	0.01	23.95	107.29	7.67	6.5	9	4	9	170
U203	56	57	1.59	0.26	25.40	0.10	0.03	52.15	121.59	12.38	10.5	14.7	10	5	450
U203	57	58	2.05	0.28	30.48	0.05	0.02	59.30	194.55	14.03	11.9	27.7	19	2.5	760
U203	58	59	3.07	0.43	38.10	0.06	0.02	70.01	175.95	10.85	9.2	16.6	14	7	580
U203	59	60	1.25	0.23	22.86	0.06	0.02	47.21	178.82	6.72	5.7	15.6	4	2.5	180
U203	60	61	1.59	0.15	20.32	0.06	0.02	45.37	143.05	6.60	5.6	18.3	2	2.5	110
U203	61	62	1.14	0.19	16.51	0.04	0.01	33.93	150.21	6.01	5.1	13.2	1	2.5	80
U203	62	63	1.59	0.23	21.59	0.04	0.01	39.15	224.59	5.19	4.4	15.3	5	7	250
U203	63	64	1.37	0.17	11.43	0.03	0.01	22.96	154.50	4.95	4.2	10.2	2	6	90
U203	64	65	1.14	0.18	11.43	0.02	0.00	20.17	65.80	4.95	4.2	3.6	2	2.5	70
U203	65	66	1.59	0.22	16.51	0.07	0.01	33.28	145.91	3.42	2.9	13.3	2	2.5	80
U203	66	67	1.48	0.18	12.70	0.03	0.01	24.67	100.14	5.42	4.6	7.7	3	2.5	120
U203	67	68	1.59	0.14	19.05	0.02	0.00	32.58	101.57	5.42	4.6	9.8	5	2.5	270
U203	68	69.1	2.05	0.18	26.67	0.05	0.01	49.44	171.66	4.01	3.4	9.5	7	400	300
U203	69.1	70.3	3.87	0.35	76.20	0.13	0.03	137.12	277.52	7.08	6	25.5	13	2.5	640
U203	70.3	71	3.30	0.31	48.26	0.21	0.04	98.91	204.57	5.07	4.3	15.2	5	2.5	260
U203	71	72	2.28	0.20	30.48	0.12	0.03	61.66	124.46	4.36	3.7	10	4	23	200
U203	72	73	1.71	0.15	17.78	0.02	0.01	31.54	62.94	4.72	4	5.6	4	2.5	210
U203	73	74	4.55	0.71	54.61	0.07	0.02	94.31	422.00	7.78	6.6	21.5	33	2.5	1480
U203	74	75	2.96	0.48	41.91	0.09	0.02	75.14	341.90	3.89	3.3	11	17	2.5	660
U203	75	76	3.76	0.53	49.53	0.08	0.02	81.80	268.94	3.42	2.9	17.5	15	2.5	620
U203	76	77	3.07	0.40	44.45	0.09	0.02	77.10	286.11	2.83	2.4	12.7	17	2.5	710
U203	77	78	1.37	0.17	15.24	0.02	0.01	26.18	61.51	1.77	1.5	4.4	3	2.5	130
U203	78	79	1.48	0.27	11.43	0.01	0.00	18.84	45.78	1.53	1.3	3.2	1	2.5	70
U203	79	80	8.88	1.40	121.91	0.21	0.05	206.19	516.42	8.02	6.8	46.5	33	488	1390
U203	80	81	3.53	0.55	85.09	0.42	0.12	199.21	394.82	4.01	3.4	45	17	8	670
U203	81	82	3.64	0.53	62.23	0.13	0.03	106.36	387.67	8.37	7.1	32.2	28	43	1350
U203	82	83	1.94	0.38	45.72	0.22	0.05	85.69	298.98	3.30	2.8	21.5	6	13	270
U203	83	84	1.14	0.24	21.59	0.04	0.01	36.93	74.39	1.65	1.4	5.4	4	2.5	180
U203	84	85	1.94	0.39	33.02	0.08	0.02	60.48	333.31	1.89	1.6	5.6	12	2.5	460
U203	85	86	0.68	0.10	12.70	0.02	0.01	21.88	81.54	1.65	1.4	3.1	4	2.5	210
U203	86	87	0.46	0.08	5.08	0.00	0.00	7.67	24.32	0.71	0.6	1.2	1	2.5	30
U203	87	88	0.34	0.06	3.81	0.00	0.00	6.45	17.17	0.94	0.8	1.4	1	2.5	30
U203	88	89.2	0.80	0.13	8.89	0.01	0.00	15.00	45.78	1.42	1.2	3.7	1	2.5	50
U203	89.2	90.4	1.14	0.16	13.97	0.02	0.00	22.42	71.53	2.00	1.7	7.5	4	2.5	170
U203	90.4	91.2	4.55	0.78	81.28	0.11	0.03	130.81	583.65	8.84	7.5	37.7	36	2.5	1560
U203	91.2	92	4.44	0.67	105.40	0.43	0.12	209.76	583.65	6.84	5.8	47.4	24	2.5	1020
U203	92	93	1.02	0.18	19.05	0.06	0.01	33.33	57.22	1.77	1.5	7.4	2	2.5	90
U203	93	94	1.82	0.23	40.64	0.09	0.02	70.35	203.13	4.01	3.4	19.6	11	2.5	470
U203	94	95	3.64	0.48	68.58	0.22	0.05	125.63	349.05	3.30	2.8	32.9	21	8	910
U203	95	96	1.02	0.11	21.59	0.05	0.01	37.07	95.85	2.24	1.9	14.9	4	7	180
U203	96	97	7.06	0.83	213.35	1.05	0.24	441.34	1852.53	14.86	12.6	115.5	33	2.5	1260
U203	97	98	0.68	0.08	16.51	0.04	0.01	28.97	103.00	2.24	1.9	15.8	1	2.5	80
U203	98	99	2.96	0.39	96.52	0.61	0.14	213.35	792.51	8.14	6.9	61.3	8	11	310
U203	99	100	1.14	0.13	31.75	0.16	0.04	67.03	210.29	4.13	3.5	41	2	2.5	60
U203	100	101	0.91	0.15	21.59	0.07	0.02	42.06	117.30	3.18	2.7	23.1	2	2.5	90
U203	101	102	3.53	0.47	82.55	0.48	0.10	189.57	294.69	3.54	3	72.2	2	5	140
U203	102	103	1.59	0.20	29.21	0.06	0.01	53.46	217.44	5.31	4.5	25.9	10	2.5	440
U203	103	104	0.57	0.10	11.43	0.03	0.01	20.24	130.18	3.18	2.7	11.7	3	2.5	160
U203	104	105	1.02	0.10	17.78	0.03	0.01	30.29	157.36	2.83	2.4	13.1	7	302	330

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
U203	105	106	8.54	1.19	186.68	0.29	0.06	312.00	905.52	9.91	8.4	118	56	2.5	2490
U203	106	107	0.80	0.11	15.24	0.03	0.01	25.61	110.15	1.77	1.5	7.7	8	94	490
U203	107	108	2.39	0.34	45.72	0.11	0.03	86.47	354.77	1.65	1.4	20	34	10	1920
U203	108	109	4.10	0.52	83.82	0.18	0.04	152.60	650.89	2.95	2.5	35.8	42	22	1960
U203	109	110	1.02	0.10	20.32	0.04	0.01	34.66	183.11	1.18	1	16.3	9	14	470
U203	110	111.2	0.57	0.06	6.35	0.01	0.00	10.69	32.90	0.35	0.3	9.5	1	2.5	80
U203	111.2	112.4	0.34	0.08	5.08	0.00	0.00	8.64	27.18	0.59	0.5	10.9	1	2.5	90
U203	112.4	113.55	1.59	0.24	31.75	0.07	0.02	61.50	231.75	2.36	2	23.6	18	12	810
U203	113.55	114.3	0.91	0.13	16.51	0.04	0.01	30.67	125.89	2.24	1.9	12.3	6	2.5	320
U203	114.3	115	0.91	0.10	15.24	0.04	0.01	28.49	161.65	2.48	2.1	8.9	6	2.5	270
U203	115	116	0.57	0.06	8.89	0.01	0.00	14.06	40.05	1.30	1.1	2.9	3	2.5	130
U203	116	117	0.57	0.03	7.62	0.01	0.00	13.39	54.36	1.18	1	7.7	4	2.5	230
U203	117	118	0.91	0.14	15.24	0.02	0.00	27.54	164.51	2.83	2.4	14	13	2.5	690
U203	118	119.1	0.68	0.08	8.89	0.01	0.00	16.46	74.39	1.77	1.5	8.9	6	2.5	280
U203	119.1	120.3	1.02	0.14	16.51	0.04	0.01	32.90	165.94	3.18	2.7	16.8	10	2.5	460
U203	123.8	124	0.80	0.14	10.16	0.01	0.00	18.56	80.11	2.00	1.7	10.5	7	17	310
U203	124	125	0.11	0.03	1.90	0.00	0.00	3.16	11.44	0.35	0.3	0.6	0.5	2.5	10
U203	125	126	0.11	0.03	1.90	0.01	0.00	4.25	15.74	0.71	0.6	0.8	0.5	2.5	20
U203	126	127	0.11	0.03	1.90	0.01	0.00	3.57	14.31	0.35	0.3	0.8	0.5	2.5	10
U203	127	128	0.11	0.03	1.90	0.01	0.00	4.09	25.75	1.06	0.9	1.4	0.5	2.5	20
U203	128	128.8	2.73	0.39	60.96	0.16	0.04	118.94	343.33	5.42	4.6	25.2	20	2.5	990
U203	128.8	129.6	0.34	0.03	7.62	0.04	0.01	15.88	78.68	2.24	1.9	6.9	1	2.5	40
U203	129.6	130.55	0.46	0.07	10.16	0.05	0.01	21.52	128.75	2.48	2.1	7.7	1	2.5	60
U203	136.08	137	1.71	0.25	45.72	0.10	0.03	93.41	314.72	1.06	0.9	11.1	19	2.5	900
U203	137	138	0.34	0.03	7.62	0.02	0.00	14.25	58.65	1.06	0.9	4.3	4	2.5	160
U203	138	139	0.23	0.03	1.90	0.01	0.00	4.40	35.76	0.94	0.8	2.1	0.5	2.5	20
U203	139	140	0.34	0.03	5.08	0.01	0.00	10.12	55.79	1.42	1.2	3.5	3	2.5	120
U203	140	141	0.68	0.03	13.97	0.03	0.01	26.47	138.76	2.00	1.7	5.6	7	2.5	320
U203	141	141.87	0.11	0.03	1.90	0.01	0.00	4.28	34.33	1.06	0.9	3.2	1	2.5	20
X191	50	51	5.24	0.49	83.82	0.09	0.02	143.72	246.05	9.08	7.7	11.8	37	2.5	1980
X191	51	52	6.38	0.65	168.90	0.16	0.04	298.36	379.09	10.85	9.2	17.5	33	2.5	1780
X191	52	53	3.07	0.36	69.85	0.06	0.01	121.78	167.37	7.43	6.3	7.9	12	2.5	650
X191	53	54	7.06	0.64	139.69	0.08	0.01	215.53	164.51	8.37	7.1	16	9	2.5	430
X191	54	55	24.37	2.49	462.26	0.34	0.06	681.73	628.00	17.10	14.5	68.4	32	2.5	1530
X191	55	56	33.36	3.38	622.27	0.47	0.08	903.75	599.39	22.41	19	95.2	34	2.5	1600
X191	56	57	29.49	3.43	411.46	0.33	0.06	569.20	562.20	20.40	17.3	84.8	29	2.5	1410
X191	57	58	28.47	4.33	367.01	0.28	0.06	526.73	559.34	18.28	15.5	38.8	36	2.5	1740
X191	58	59	13.32	2.30	187.95	0.18	0.04	268.62	586.52	8.14	6.9	39.3	12	10	550
X191	59	60	12.64	2.44	166.36	0.15	0.03	239.36	566.49	6.01	5.1	35.6	11	2.5	530
X191	60	61	16.85	3.16	253.99	0.31	0.06	368.38	859.75	9.79	8.3	56.2	20	11	740
X191	61	62	12.98	2.34	194.30	0.30	0.06	304.39	864.04	12.85	10.9	55.5	33	2.5	1590
X191	62	63	10.70	1.71	177.79	0.25	0.05	292.78	553.61	10.02	8.5	84	26	2.5	1290
X191	63	64	10.70	2.00	163.82	0.24	0.05	260.53	545.03	10.02	8.5	59.2	26	2.5	1270
X191	64	65	7.06	1.25	110.48	0.23	0.05	185.79	655.18	8.96	7.6	32.6	29	2.5	1380
X191	65	66	4.33	0.80	64.77	0.14	0.03	114.71	509.27	10.02	8.5	27.4	25	2.5	1120
X191	66	67	4.21	0.69	67.31	0.15	0.03	115.60	509.27	7.43	6.3	17.1	26	2.5	1120
X191	67	68	4.21	0.67	74.93	0.19	0.04	133.03	560.77	6.37	5.4	26	23	11	1090
X191	68	69	6.83	1.14	129.53	0.23	0.05	221.21	1367.58	9.20	7.8	100.5	25	7	1370
X191	69	70	10.93	2.14	180.33	0.50	0.11	321.35	2038.50	11.79	10	125.5	28	2.5	1200
X191	70	71	14.01	3.14	261.61	0.91	0.19	493.28	3991.17	19.10	16.2	247	41	2.5	1680
X191	71	72	9.22	1.59	212.08	0.87	0.21	477.25	3433.26	18.75	15.9	268	34	2.5	1520
X191	72	73	9.22	1.67	196.84	0.65	0.14	382.10	2875.36	15.92	13.5	208	45	2.5	2080
X191	73	74	3.99	0.64	78.74	0.22	0.05	152.76	842.58	11.67	9.9	68	33	2.5	1550
X191	74	75	2.39	0.31	54.61	0.22	0.05	111.62	645.17	9.67	8.2	40.4	18	2.5	890
X191	75	76	1.94	0.28	45.72	0.13	0.03	88.20	369.08	9.20	7.8	23.5	18	2.5	1000
X191	76	77	0.23	0.03	3.81	0.01	0.00	6.33	40.05	1.77	1.5	1.9	0.5	2.5	30

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
X191	77	78	0.68	0.09	8.89	0.01	0.00	█ 15.45	67.23	2.36	2	3.6	5	2.5	330
X191	78	79	1.25	0.17	21.59	█ 0.05	█ 0.01	█ 41.49	195.98	4.36	3.7	12.4	13	2.5	610
X191	79	80	0.68	0.08	11.43	█ 0.03	█ 0.01	█ 21.55	91.55	2.71	2.3	8.4	5	12	250
X191	80	81	2.51	0.43	39.37	█ 0.06	█ 0.01	█ 63.22	188.83	4.36	3.7	16.3	9	76	400
X191	81	82	0.57	0.07	8.89	0.02	0.00	█ 15.52	58.65	2.36	2	4.1	3	33	130
X191	82	83	1.37	0.20	21.59	█ 0.07	█ 0.01	█ 42.36	419.14	7.08	6	22.2	13	11	770
X191	83	84	0.68	0.11	11.43	█ 0.04	█ 0.01	█ 23.00	185.97	4.36	3.7	7.4	6	2.5	360
X191	84	85	0.57	0.06	7.62	0.01	0.00	█ 12.47	55.79	2.12	1.8	8.6	2	2.5	110
X191	85	86	0.57	0.07	8.89	0.02	█ 0.00	█ 17.17	87.26	2.00	1.7	7.8	2	2.5	130
X191	86	87	0.91	0.13	19.05	█ 0.15	█ 0.03	█ 43.88	263.22	3.54	3	31.6	3	2.5	170
X191	87	88	0.80	0.10	12.70	█ 0.02	█ 0.01	█ 22.03	87.26	2.24	1.9	5.9	4	2.5	220
X191	88	89	5.01	0.71	93.98	█ 0.31	█ 0.07	█ 183.57	539.31	14.98	12.7	80.9	30	2.5	1330
X191	89	90	5.35	0.73	114.29	█ 0.40	█ 0.09	█ 228.30	662.33	17.92	15.2	89.6	29	2.5	1250
X191	90	91	4.21	0.57	90.17	█ 0.28	█ 0.06	█ 175.31	472.07	13.92	11.8	67.5	23	2.5	990
X191	91	92	1.59	0.20	24.13	█ 0.06	█ 0.01	█ 47.27	218.87	5.07	4.3	18.1	15	2.5	730
X191	92	93	2.28	0.26	33.02	█ 0.08	█ 0.02	█ 64.08	406.27	6.13	5.2	21.6	27	2.5	1610
X191	93	94	2.16	0.28	25.40	█ 0.06	█ 0.01	█ 48.00	296.12	5.54	4.7	30.3	21	2.5	1190
X191	94	95	1.82	0.22	24.13	█ 0.09	█ 0.02	█ 47.76	288.97	3.54	3	54.7	18	2.5	730
X191	95	96	7.63	0.93	143.50	█ 0.28	█ 0.06	█ 274.51	1009.95	12.15	10.3	65	79	5	3870
X191	96	97	3.87	0.59	81.28	█ 0.22	█ 0.05	█ 157.58	685.22	8.25	7	81.7	35	2.5	2060
X191	97	98	1.37	0.17	24.13	█ 0.06	█ 0.01	█ 45.09	174.52	3.89	3.3	14.5	10	8	510
X191	98	99	1.37	0.18	25.40	█ 0.06	█ 0.01	█ 47.24	184.54	5.78	4.9	7.1	16	2.5	790
X191	99	100	0.91	0.10	13.97	█ 0.03	█ 0.01	█ 26.68	77.25	3.77	3.2	5.2	7	2.5	360
X191	100	101	2.28	0.30	38.10	█ 0.07	█ 0.02	█ 70.35	350.48	6.72	5.7	21.8	23	2.5	1020
X191	101	102	1.59	0.22	33.02	█ 0.08	█ 0.02	█ 62.86	331.88	4.83	4.1	7	26	2.5	1260
X191	102	103	4.10	0.45	87.63	█ 0.24	█ 0.05	█ 167.81	699.53	11.56	9.8	21.7	84	2.5	4270
X191	103	104	3.76	0.51	80.01	█ 0.23	█ 0.05	█ 158.96	802.52	10.38	8.8	37.8	72	5	3350
X191	104	105	4.67	0.59	95.25	█ 0.27	█ 0.07	█ 197.75	808.25	12.62	10.7	39.4	62	2.5	2820
X191	105	106	3.87	0.56	97.79	█ 0.26	█ 0.06	█ 200.80	559.34	8.14	6.9	37.6	48	2.5	2380
X191	106	107	3.07	0.43	78.74	█ 0.26	█ 0.05	█ 153.40	407.70	6.01	5.1	28.8	39	2.5	1950
X191	107	108	1.25	0.18	30.48	█ 0.11	█ 0.02	█ 60.08	170.23	4.36	3.7	9.4	15	2.5	700
X191	108	109	1.82	0.27	34.29	█ 0.09	█ 0.02	█ 63.53	204.57	4.36	3.7	12.1	15	2.5	700
X191	109	109.8	1.71	0.23	50.80	█ 0.16	█ 0.03	█ 96.04	161.65	4.01	3.4	11.4	19	43	890
X191	109.8	111	1.14	0.14	26.67	█ 0.08	█ 0.02	█ 50.32	97.28	2.48	2.1	6.8	10	134	450
X191	111	112	0.11	0.03	1.90	0.01	0.00	3.77	24.32	0.83	0.7	1.1	1	2.5	30
X191	112	113	0.46	0.03	8.89	█ 0.02	█ 0.00	█ 16.19	64.37	1.53	1.3	3.5	3	7	140
X191	113	114	0.80	0.07	19.05	█ 0.04	█ 0.01	█ 33.52	118.73	2.24	1.9	3.3	8	3470	460
X191	114	115	4.78	0.56	120.64	█ 0.26	█ 0.04	█ 217.97	411.99	9.32	7.9	8.6	72	6	4130
X191	115	116	2.28	0.32	41.91	█ 0.07	█ 0.02	█ 76.48	330.45	7.43	6.3	23.7	29	7	1250
X191	116	117	1.14	0.18	26.67	█ 0.08	█ 0.01	█ 47.15	107.29	2.36	2	12.4	7	10	390
X191	117	118	1.02	0.16	20.32	█ 0.05	█ 0.01	█ 35.44	184.54	2.83	2.4	5.7	15	5	780
X191	118	119	0.80	0.11	16.51	█ 0.04	█ 0.01	█ 29.69	150.21	3.42	2.9	4.7	6	2.5	290
X191	119	120	1.82	0.22	33.02	█ 0.08	█ 0.02	█ 60.38	324.73	4.48	3.8	9.7	18	11	910
X191	120	121	2.51	0.34	46.99	█ 0.10	█ 0.02	█ 85.76	370.51	5.78	4.9	21.1	22	2.5	1070
X191	121	122	1.02	0.14	19.05	█ 0.04	█ 0.01	█ 34.21	138.76	2.71	2.3	10.5	7	2.5	310
X191	122	123	2.73	0.31	59.69	█ 0.14	█ 0.03	█ 115.30	533.59	6.84	5.8	30.1	29	2.5	1270
X191	123	124	1.14	0.19	24.13	█ 0.06	█ 0.01	█ 46.67	211.72	3.54	3	10.8	11	2.5	480
X191	124	125	1.25	0.14	22.86	█ 0.06	█ 0.01	█ 42.73	135.90	3.07	2.6	8.7	11	21	580
X191	125	126	0.68	0.09	13.97	█ 0.04	█ 0.01	█ 25.95	118.73	3.54	3	4.6	6	18	280
X191	126	127	1.14	0.16	31.75	█ 0.11	█ 0.02	█ 61.82	270.37	4.72	4	15	16	7	750
X191	127	128	3.87	0.50	99.06	█ 0.51	█ 0.12	█ 214.03	1064.31	9.32	7.9	60.3	41	8	1790
X191	128	129	2.96	0.34	73.66	█ 0.39	█ 0.09	█ 154.88	690.94	6.84	5.8	34.2	32	6	1310
X191	129	130	2.73	0.34	74.93	█ 0.30	█ 0.06	█ 152.40	283.24	7.31	6.2	19.2	34	2.5	1690
X191	130	131	1.14	0.13	24.13	█ 0.08	█ 0.02	█ 46.26	307.56	4.83	4.1	14.7	12	2.5	650
X191	131	132	0.46	0.07	8.89	█ 0.03	█ 0.01	█ 16.68	72.96	1.53	1.3	4.8	4	5	160
X191	132	133	0.57	0.10	12.70	█ 0.05	█ 0.01	█ 24.51	133.04	1.53	1.3	7.4	5	2.5	250

holeid	from	to	Yb2O3_ppm	Lu2O3_ppm	Y2O3_ppm	TREO_pc	MREO_pc	HREO_ppm	Nb2O5_ppm	U3O8_ppm	U_ppm	Th_ppm	Hf_ppm	W_ppm	Zr_ppm
X191	133	134	0.46	0.09	7.62	0.01	0.00	12.91	67.23	0.94	0.8	7.1	3	5	160
X191	134	135	2.28	0.32	30.48	0.15	0.03	61.46	237.47	4.13	3.5	42.5	11	2.5	520
X191	135	136	2.16	0.26	39.37	0.19	0.04	79.06	370.51	4.60	3.9	29.5	16	2.5	850
X191	136	137	1.37	0.17	30.48	0.13	0.03	62.70	261.79	3.54	3	18.8	15	2.5	700
X191	137	138	0.57	0.06	6.35	0.01	0.00	11.08	30.04	1.53	1.3	6.7	2	2.5	90
X191	138	139	3.99	0.50	71.12	0.11	0.02	129.14	361.92	4.48	3.8	38.4	51	2.5	2430
X191	139	140	2.51	0.25	45.72	0.11	0.02	87.24	287.54	4.13	3.5	31	22	2.5	960
X191	140	141	0.57	0.09	8.89	0.05	0.01	19.50	121.59	2.59	2.2	9.1	4	2.5	180
X191	141	142	0.80	0.14	17.78	0.05	0.01	34.25	155.93	2.48	2.1	10.3	10	2.5	400
X191	142	143	1.02	0.09	17.78	0.05	0.01	33.49	111.58	2.00	1.7	7.1	13	2.5	570
X191	143	144.1	1.71	0.20	30.48	0.06	0.01	55.50	236.04	4.01	3.4	13.8	20	5	870
X191	144.1	145.3	0.46	0.13	10.16	0.03	0.01	18.21	75.82	2.59	2.2	10.1	5	2.5	240

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	- Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. - Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. - Aspects of the determination of mineralisation that are Material to the Public Report. - In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	- The relogging and resampling program was undertaken on historic diamond drill core. Historic sampling was completed on 3m to 5m composites. The current sampling campaign comprised 1m quarter core samples from start of hole to end of hole from available drill core. The historic drilling was undertaken with diamond drill rigs using HQ with intermittent NQ tails. - Sampling has been undertaken by OCN geologists. Continuous quarter core samples were taken from the same section within each core run/core box to maintain sample integrity. It was noted that some core intervals were missing and this has been discussed in the body of the announcement. In weathered zones quarter core samples were taken using a trowel, mallet and chisel. In hard rock quarter core samples were cut using a diamond saw. - Core sampling was undertaken every 1m respecting geological contacts. Sampling practice is considered appropriate to the geology and style of mineralisation.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	- All historical drilling was vertical from surface using diamond drill rigs and HQ core diameter, with intermittent NQ tails. - Historic diamond drilling completed by previous operators. Drilling techniques are considered appropriate for the lithologies encountered within the carbonatite complex.

Criteria	JORC Code explanation	Commentary
Drill sample recovery	- Method of recording and assessing core and chip sample recoveries and results assessed. - Measures taken to maximise sample recovery and ensure representative nature of the samples. - Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	- Due to the historic nature of the drilling detailed information about recovery during the drilling process is not available, however on observation recovery was generally high within competent carbonatite complex units. Core recovery has been recorded for each drill run and calculated as a percentage of the drilled interval. - Continuous quarter core samples were taken from the same section within each core run/core box to maintain sample integrity. - Historic core recovery has been good, therefore no sample bias introduced.
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies - Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. - The total length and percentage of the relevant intersections logged.	- All historic drill core mentioned in this announcement has been relogged by OCN geologists as part of an ongoing relogging and resampling campaign. Lithology, core recovery, alteration, veining, magnetic susceptibility and effervescence have been logged and recorded in the OCN database. - Geological logging of core is qualitative and descriptive in nature. - Core has been rephotographed by OCN geologists and field staff. - Historical drill holes have been logged from start to end of hole on available drill core.
Sub-sampling techniques and sample preparation	- If core, whether cut or sawn and whether quarter, half or all core taken. - If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. - For all sample types, the nature, quality and appropriateness of the sample preparation technique. - Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. - Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. - Whether sample sizes are appropriate to the grain size of the material being sampled.	- The historical drill core is, for the most part weathered and friable and in most cases the core has been halved and historically sampled. For the OCN resampling, quarter core was used (where possible leaving a full quarter core remaining in the core boxes). - Quarter core samples were bagged (plastic sample bags), labelled, and recorded in an Excel spreadsheet prior to dispatch to ALS Belo Horizonte, Brazil (ALS is independent of OCN and its facilities are accredited to the recognized quality standard of International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 17025: 2005 for all relevant procedures). - The following sample preparation was undertaken at the ALS Belo Horizonte preparation lab facility: - Received Sample Weight (WEI-21) - Crushing QC Test (CRU-QC) - Pulverising QC Test (PUL-QC) - Sample Login (LOG-22)

Criteria	JORC Code explanation	Commentary
		○ Fine Crushing – 70% <2mm (CRU-31) ○ Split Sample – Riffle Splitter (SPL-21) ○ Pulverise up to 250g 85% <75um (PUL-31) ● The following analysis was undertaken at the ALS Lima facility: ○ Whole Rock Package – ICP-AES (ME-ICP06) ○ LOI at 1000°C (OA-GRA05) ○ Lithium Borate Fusion ICP-MS (ME-MS81h) ○ Total Calculation for ICP06 (TOT-ICP06) ● Internal laboratory control samples included certified standards, blanks, and duplicates.
Quality of assay data and laboratory tests	● The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. ● For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. ● Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	● OCN samples were delivered to external laboratories and analysed as detailed above. Assay and laboratory procedures are considered in line with industry standards. ● No geophysical tools (or other tools) were used in this initial due diligence sampling campaign. ● Internal and laboratory QA/QC included certified reference material Standards, Blanks and Duplicates inserted at industry-standard frequencies. Results are within acceptable limits.
Verification of sampling and assaying	● The verification of significant intersections by either independent or alternative company personnel. ● The use of twinned holes. ● Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. ● Discuss any adjustment to assay data.	● Verification of original drillhole logs and location data was made by OCN geologists. All relogging has been completed and validated by OCN geologists. ● No historical twinned holes were completed on the project. ● There is no record of original data capture for the historical drilling. For the OCN relogging and resampling, data was captured on laptop and tablet using Excel spreadsheets. ● No adjustment has been made to the reported assay data. Rare earth oxide (REO) values were calculated from elemental rare earth assays using standard stoichiometric conversion factors and reported as oxide equivalents. The following

Criteria	JORC Code explanation	Commentary																																																
		conversion factors were applied: <table> <tr> <th>Element</th><th>Oxide</th><th>Factor</th></tr> <tr> <td>La</td><td>La₂O₃</td><td>1.1728</td></tr> <tr> <td>Ce</td><td>CeO₂</td><td>1.2284</td></tr> <tr> <td>Pr</td><td>Pr₆O₁₁</td><td>1.2082</td></tr> <tr> <td>Nd</td><td>Nd₂O₃</td><td>1.1664</td></tr> <tr> <td>Sm</td><td>Sm₂O₃</td><td>1.1596</td></tr> <tr> <td>Eu</td><td>Eu₂O₃</td><td>1.1579</td></tr> <tr> <td>Gd</td><td>Gd₂O₃</td><td>1.1526</td></tr> <tr> <td>Tb</td><td>Tb₄O₇</td><td>1.1762</td></tr> <tr> <td>Dy</td><td>Dy₂O₃</td><td>1.1477</td></tr> <tr> <td>Ho</td><td>Ho₂O₃</td><td>1.1455</td></tr> <tr> <td>Er</td><td>Er₂O₃</td><td>1.1435</td></tr> <tr> <td>Tm</td><td>Tm₂O₃</td><td>1.1421</td></tr> <tr> <td>Yb</td><td>Yb₂O₃</td><td>1.1387</td></tr> <tr> <td>Lu</td><td>Lu₂O₃</td><td>1.1372</td></tr> <tr> <td>Y</td><td>Y₂O₃</td><td>1.2699</td></tr> </table> - Oceana Metals uses the following reporting definitions TREO (Total Rare Earth Oxides) = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃ + Sm₂O₃ + Eu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Lu₂O₃ + Y₂O₃, reported as a percentage (TREO %), calculated as the sum of all REO values divided by 10,000. MREO (Magnet Rare Earth Oxides) = Nd₂O₃ + Pr₆O₁₁, reported as a percentage (MREO %), calculated as the sum of Nd₂O₃ and Pr₆O₁₁ divided by 10,000. HREO (Heavy Rare Earth Oxides) = Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Lu₂O₃ + Y₂O₃, reported in parts per million (HREO ppm) NdPr:TREO (NdPr Ratio) = (Nd₂O₃ + Pr₆O₁₁) ÷ TREO.	Element	Oxide	Factor	La	La ₂ O ₃	1.1728	Ce	CeO ₂	1.2284	Pr	Pr ₆ O ₁₁	1.2082	Nd	Nd ₂ O ₃	1.1664	Sm	Sm ₂ O ₃	1.1596	Eu	Eu ₂ O ₃	1.1579	Gd	Gd ₂ O ₃	1.1526	Tb	Tb ₄ O ₇	1.1762	Dy	Dy ₂ O ₃	1.1477	Ho	Ho ₂ O ₃	1.1455	Er	Er ₂ O ₃	1.1435	Tm	Tm ₂ O ₃	1.1421	Yb	Yb ₂ O ₃	1.1387	Lu	Lu ₂ O ₃	1.1372	Y	Y ₂ O ₃	1.2699
Element	Oxide	Factor																																																
La	La ₂ O ₃	1.1728																																																
Ce	CeO ₂	1.2284																																																
Pr	Pr ₆ O ₁₁	1.2082																																																
Nd	Nd ₂ O ₃	1.1664																																																
Sm	Sm ₂ O ₃	1.1596																																																
Eu	Eu ₂ O ₃	1.1579																																																
Gd	Gd ₂ O ₃	1.1526																																																
Tb	Tb ₄ O ₇	1.1762																																																
Dy	Dy ₂ O ₃	1.1477																																																
Ho	Ho ₂ O ₃	1.1455																																																
Er	Er ₂ O ₃	1.1435																																																
Tm	Tm ₂ O ₃	1.1421																																																
Yb	Yb ₂ O ₃	1.1387																																																
Lu	Lu ₂ O ₃	1.1372																																																
Y	Y ₂ O ₃	1.2699																																																

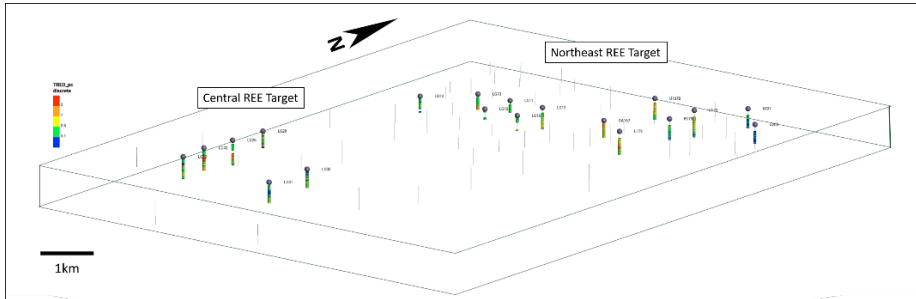
Criteria	JORC Code explanation	Commentary
<i>Location of data points</i>	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• The drill hole collar information was sourced from historic records and validated where possible. Coordinates are reported in an appropriate local or WGS84 / UTM Zone 23 South grid system. • Elevations are derived from historic survey data and/or regional topography.
<i>Data spacing and distribution</i>	• Data spacing for reporting of Exploration Results. • Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. • Whether sample compositing has been applied.	• The average drill spacing across the project area is 300m x 300m. In the NE section of the project area the drill holes are spaced an average 100 to 150m apart, while to the south a historical regional exploration program spaced drill holes at ~1000m apart. • No Mineral Resource or Ore Reserve estimation has been applied to the project at this time. • No sample compositing was applied to the resampling campaign.
<i>Orientation of data in relation to geological structure</i>	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• All historical drill holes were vertical with no angled holes completed. • No bias is considered to have been introduced by the existing sampling orientation.
<i>Sample security</i>	• The measures taken to ensure sample security.	• Historic drill core is stored in a locked, secure and monitored facility. • For the OCN resampling, Chain of Custody is managed and maintained by OCN geologists. Samples were transported to commercial laboratory (ALS) by OCN geologists and field staff.
<i>Audits or reviews</i>	• The results of any audits or reviews of sampling techniques and data.	• No external audits or review of the sampling techniques and data have been completed. • No independent audits of the pXRF data have been completed at this stage. The methodology aligns with accepted industry practice for early-stage REE exploration.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	- The Serra Negra Project comprises permits 100% held by Songeo Mineração S.A. in the Alto Paranaíba Igneous Province, in the state of Minas Gerais. - As announced on 28 April 2026, Oceana has agreed to acquire 100% of the shares in Songeo Mineração S.A. subject to certain conditions precedent. - Tenement 831.298/1984 is currently under process of application for mining concession. - Tenement 831.299/1984 is an Exploration Permit. - Tenement 831.796/1984 is an Exploration Permit. - Tenement 830.280/1985 is currently under process of application for mining concession. - Tenement 830.077/1988 is currently under process of application for mining concession. - Tenement 832.785/2007 is an Exploration Permit. - Relevant Permits are underway and are a condition precedent of the Acquisition Agreement, to be confirmed prior to Completion.
<i>Exploration done by other parties</i>	<i>Acknowledgment and appraisal of exploration by other parties.</i>	- Historical drilling by previous explorers total 102 diamond drill holes for 13,805m (average depth 135m, max depth drilled 208.75m). - The historic drilling primarily targeted phosphate mineralisation, with no targeting of REE or niobium.
<i>Geology</i>	<i>Deposit type, geological setting and style of mineralisation.</i>	The Serra Negra Alkaline–Carbonatitic Complex is a circular igneous intrusion located in western Minas Gerais, Brazil, near the municipality of Patrocínio. It formed during the Late Cretaceous (~83 million years ago) as part of the Alto Paranaíba Igneous Province, a region known for alkaline and carbonatite magmatism. The complex was emplaced into older metamorphic rocks of the Brasília Belt and appears as a domed structure, capped by strongly weathered lateritic soils. Serra Negra is composed mainly of ultramafic rocks (dunites and

Criteria	JORC Code explanation	Commentary
		phlogopitites), together with carbonatites. These rock types are genetically related and formed through a combination of fractional crystallization, liquid immiscibility between silicate and carbonatite magmas, and metasomatic alteration. Carbonatite intrusions commonly cut the ultramafic rocks as veins and dikes, locally transforming dunites into phlogopitite-rich rocks. The carbonatites and associated rocks are rich in phosphate (apatite) and niobium and contain minerals such as magnetite, perovskite, and rare earth-bearing phases. Intense tropical weathering has further concentrated these minerals and elements near the surface.
Drill hole Information	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - down hole length and interception depth - hole length. - If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	All requisite drillhole information is tabulated in Table 1 and Appendix 1 & 2 of this release.
Data aggregation methods	- In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. - Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. - The assumptions used for any reporting of metal equivalent	- All significant drill results have been reported using a cut-off grade of 0.5% TREO and 0.1% Nb₂O₅ - No data aggregation has been used in this release. - No metal equivalents have been used in this release.

Criteria	JORC Code explanation	Commentary
	<i>values should be clearly stated.</i>	
<i>Relationship between mineralisation widths and intercept lengths</i>	• <i>These relationships are particularly important in the reporting of Exploration Results.</i> • <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> • <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	• Limited information is available on the geometry of mineralisation; however, all historical drilling was vertical and the mineralisation is expected to be flat lying. • True widths are unknown at this stage. All reported intervals refer to downhole lengths.
<i>Diagrams</i>	• <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	• Relevant plans showing drill hole locations are presented in the body of the text of this announcement. • The wide spacing of holes (up to 1km apart) make true scale sections currently difficult, until the remaining 45 of 68 historic drill hole results are received and fulsome sections can be prepared. • For context a 3D screen shot of the central and the new northeast target area showing the historic holes with results received so far is provided below.
		
<i>Balanced reporting</i>	• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	• All TREO and Niobium exploration results assayed by Oceana are reported. • All significant drill results have been highlighted in the text using a cut-off grade of 0.5% TREO and 0.1% Nb₂O₅
<i>Other substantive exploration data</i>	• <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock</i>	• Discussion of the results is included in detail in the announcement.

Criteria	JORC Code explanation	Commentary
	<i>characteristics; potential deleterious or contaminating substances.</i>	
Further work	• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	• Further systematic sampling, laboratory assays, and potential infill drilling are planned to better define the REE mineralisation.