Audalia Resources Limited
ABN 49 146 035 690
Level 1, Office F
1139 Hay Street, West Perth
Western Australia 6005
p: +61 8 9321 0715
f: +61 8 9321 0721

MEDCALF AND GASCOYNE PROJECT EXPLORATION UPDATE

ANNOUNCEMENT **14 OCTOBER 2016**

Audalia Resources Limited (ASX: **ACP**) is pleased to announce the drilling results from the Medcalf Project's diamond core drilling programme and the Gascoyne rock sampling programme.

MEDCALF PROJECT

The 17 PQ diamond core drilling programme for 723.1m (Table 1) was drilled entirely on M63/656 and was designed to obtain representative core samples from the mineralised zones in the Egmont, Vesuvius and Fuji Prospects (Table 2). Two holes each were drilled in the Fuji and Egmont prospects while 13 holes were drilled at Vesuvius of which 3 holes were twinned. The diamond drill core will provide critical samples for the geological, geotechnical, metallurgical, plant design and environmental components for the next phase of study.

The drill holes have been selected in the centroid areas of the Resource footprint for the three Prospects and within the Pre-feasibility study pit shells. Core from these drillholes represent variations in the deposit, the head grade and depths that are planned to be mined. The drill core samples obtained from the diamond core drilling program will provide samples with great variability for the ongoing metallurgical testwork.

Hole	East	North	RL	Depth	Azimuth	Dip
MDD03	292620	6398400	418	55.3	0	-90
MDD04	292700	6398360	425	49.1	0	-90
MDD05	292700	6398400	423	40.7	0	-90
MDD06	292820	6398360	47	60.8	0	-90
MDD07	292740	6398360	424	65.5	0	-90
MDD08	292740	6398280	427	54.2	0	-90
MDD09	292780	6398160	432	39.2	0	-90
MDD10	292940	6398160	425	20	0	-90
MDD11	292860	6398240	425	34.7	0	-90
MDD12	292780	6398240	427	39.4	0	-90
MDD13	293260	6398400	415	21.1	0	-90
MDD14	293140	6398400	415	13.9	0	-90
MDD15	292702	6398402	423	57.3	0	-90
MDD16	292621	6398402	418	55.7	0	-90
MDD17	291780	6397600	418.2	36	0	-90
MDD18	291820	6397680	417.3	22.6	0	-90
MDD19	292746	6398361	424	57.6	0	-90
	17	**holes**	**for**	**723.1**	**metres**	

Table 1 – Drillhole Collars

Drill Hole NO.	Deposit
MDD03, MDD04, MDD05, MDD06, MDD07, MDD08, MDD09, MDD10, MDD11, MDD12, MDD15, MDD16, MDD19	Vesuvius
MDD13, MDD14	Fuji
MDD17, MDD18	Egmont

Table 2 – Drillholes by Prospect

Every metre of the core was sampled for 18 elements including vanadium and titanium.

The results show the strong consistency of the vanadium and titanium downhole from surface (Table 3) throughout all prospects.

Hole	East (m)	North (m)	Depth (m)	From(m)	To (m)	Width (m)	TiO2%	V2O5%
MDD03	292620	6398400	55.3	0	53	53	10.39	0.53
			incl	***40***	***51***	***11***	***13.85***	***0.71***
MDD04	292700	6398360	49.1	0	49.1	48.7	12.68	0.69
			incl	***22***	***48***	***26***	***14.82***	***0.79***
MDD05	292700	6398400	40.7	0	40.7	40.7	8.91	0.50
			incl	***31***	***40.7***	***9.7***	***13.62***	***0.71***
MDD06	292820	6398360	60.8	0	38	38	9.45	0.47
			incl	***4***	***10***	***9.7***	***14.66***	***0.87***
MDD07	292740	6398360	65.5	0	61	61	13.22	0.78
			incl	***17***	***27***	***10***	***16.07***	***1.05***
MDD08	292740	6398280	54.2	0	41	41	17.16	0.96
			incl	***16***	***26***	***10***	***19.44***	***1.22***
MDD09	292780	6398160	39.2	0	30	30	12.25	0.72
			incl	***18***	***27***	***9***	***14.51***	***0.80***
MDD10	292940	6398160	20	0	6	6	11.95	0.71
			incl	***0***	***3***	***3***	***13.09***	***0.79***
MDD11	292860	6398240	34.7	0	26	26	12.55	0.71
			incl	***14***	***18***	***4***	***16.71***	***0.88***
MDD12	292780	6398240	39.4	0	36	36	14.67	0.98
			incl	***15***	***24***	***9***	***13.34***	***1.42***
MDD13	293260	6398400	21.1	14	21.1	7.1	8.98	0.40
			incl	***14***	***16***	***2***	***12.86***	***0.63***
MDD14	293140	6398400	13.9	0	13.9	13.9	9.63	0.50
			incl	***0***	***6***	***6***	***11.29***	***0.58***
MDD15	292702	6398402	57.3	0	57.3	57.3	10.33	0.56
			incl	***30***	***57.3***	***27.3***	***13.89***	***0.72***
MDD16	292621	6398402	55.7	0	54	54	10.70	0.56
			incl	***46***	***54***	***8***	***14.29***	***0.77***
MDD17	291780	6397600	36	0	35	35	12.12	0.64
			incl	***18***	***35***	***17***	***14.04***	***0.73***
MDD18	291820	6397680	22.6	0	18	18	15.81	0.89
			incl	***2***	***8***	***6***	***15.81***	***0.89***
MDD19	292746	6398361	57.6	0	57.6	57.6	13.27	0.79
			incl	***38***	***48***	***10***	***16.43***	***0.91***
17	**holes**	**for**	**723.1**	**metres**				

Table 3 – Significant results. All holes drilled vertical.

A full set of results and their coordinates are tabulated in Appendix 1.

GASCOYNE PROJECT

The Company was granted exemptions from expenditure for 2015 on tenements E09/1568-70 and E09/1824-5 during the June quarter. This allowed the Company to plan, budget and implement exploration programmes for 2016.

The first programme has been completed and was focussed on newly granted E09/2102 prior to its first anniversary. This tenement is an integral part of the Gascoyne project abutting the rest of the tenements to form a contiguous tenement package of 537km^2.

The exploratory programme was focussed on creek gravels not tested previously targeting the Banded Iron Formation (BIF) from dry river beds.

A total of 10 samples were collected and primarily analysed for manganese, an indicator for Broken Hill BIF mineralisation of lead, zinc and silver.

Significant results from these sampling are shown below in Table 4.

Sampno	East	North	Mn	Description
Units			ppm	
Detection limits			10	
CW1101	366,415	7,288,440	13,600	1m by 5cm magnetite garnet quartzite
CW1103	366,078	7,288,360	10,810	12cm diameter manganese gossan specimen

A full set of results and their coordinates are tabulated in Appendix 2.

Authorised by:

Brent Butler
CEO and Executive Director

Competent Person's Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Brent Butler, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Butler is a consultant geologist with 32 years' experience as a geologist. Mr Butler 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 Butler consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Appendix One

Medcalf Project

Drill Core
Analytical Results

Hole	Sampno.	From	To	ELEMENTS																			
				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD03	MDD03-001	0	1	13.29	0.03		0.009	0.009	0.078	56.18	0.03	0.12	0.12	0.21	0.015	0.007	0.111	14.17	6.08	99.79	0.356	0.023	9
MDD03	MDD03-002	1	2	13.85	0.02		0.008	0.01	0.066	51.3	0.03	0.14	0.12	0.19	0.012	0.006	0.121	18.82	5.87	99.93	0.372	0.014	9.01
MDD03	***Met sample***	2	2.4																				
MDD03	MDD03-003	2.4	3	13.48	X		0.01	0.009	0.03	50.08	0.03	0.16	0.18	0.18	0.015	0.004	0.099	20.41	7.24	100.09	0.443	0.014	7.75
MDD03	MDD03-004	3	4	12.31	X		0.01	0.009	0.034	54.49	0.02	0.15	0.19	0.22	0.016	0.005	0.108	16.45	8.42	100.12	0.483	0.01	7.23
MDD03	MDD03-005	4	5	11.49	0.01		0.005	0.009	0.036	56.9	0.02	0.14	0.21	0.31	0.011	0.006	0.111	13.81	9.44	99.58	0.498	0.006	6.62
MDD03	MDD03-006	5	6	11.09	0.02		0.006	X	0.035	57.49	0.03	0.16	0.25	0.47	0.007	0.007	0.107	13.21	10.31	99.98	0.543	0.009	6.29
MDD03	MDD03-007	6	7	10.3	0.01		0.008	0.006	0.042	57.73	0.03	0.16	0.28	0.4	0.008	0.007	0.107	12.4	11.42	99.56	0.549	0.007	6.16
MDD03	MDD03-008	7	8	5.95	0.01		0.035	X	0.046	69.26	0.03	0.19	0.32	0.41	0.049	0.007	0.107	7.69	8.51	100.24	0.418	0.033	7.19
MDD03	MDD03-009	8	9	4.38	0.01		0.049	X	0.078	71.65	0.02	0.18	0.29	0.47	0.072	0.009	0.141	6.86	6.92	99.95	0.326	0.045	8.49
MDD03	MDD03-010	9	10	5.58	0.02		0.022	X	0.05	66.37	0.02	0.22	0.3	0.73	0.038	0.007	0.116	9.49	9.46	99.52	0.439	0.025	6.68
MDD03	MDD03-011	10	11	6.22	0.02		0.018	X	0.056	66.64	0.01	0.18	0.29	0.61	0.035	0.004	0.067	8.67	9.7	99.89	0.468	0.02	6.88
MDD03	MDD03-012	11	12	6.14	0.01		0.02	X	0.067	67.79	0.01	0.23	0.33	0.47	0.04	0.006	0.063	8.23	10.81	100.48	0.529	0.017	5.68
MDD03	MDD03-013	12	13	7.36	0.01		0.014	X	0.035	65.33	0.02	0.32	0.35	0.45	0.024	0.004	0.053	9.42	12.39	100.49	0.603	0.012	4.09
MDD03	MDD03-014	13	14	6.54	0.02		0.014	X	0.048	66.43	0.03	0.24	0.34	0.62	0.035	0.005	0.068	8.81	11.56	100.15	0.558	0.015	4.82
MDD03	MDD03-015	14	15	6.61	0.02		0.015	X	0.046	66.36	0.02	0.27	0.36	0.56	0.04	0.005	0.069	8.84	11.49	100.36	0.559	0.014	5.07
MDD03	MDD03-016	15	16	6.29	0.02		0.022	X	0.052	67.04	0.03	0.25	0.41	0.63	0.049	0.004	0.066	8.46	11.73	100.21	0.575	0.017	4.55
MDD03	MDD03-017	16	17	6.58	0.02		0.016	X	0.04	66.56	0.03	0.32	0.47	0.73	0.031	0.003	0.06	8.91	11.62	100.31	0.563	0.016	4.32
MDD03	MDD03-018	17	18	6.78	0.02		0.015	X	0.039	65.46	0.04	0.37	0.48	0.66	0.03	0.004	0.062	9.16	11.72	99.58	0.569	0.014	4.14
MDD03	MDD03-019	18	19	6.16	0.02		0.016	X	0.053	66.25	0.04	0.33	0.51	0.76	0.032	0.006	0.063	8.69	11.93	99.92	0.587	0.016	4.43
MDD03	MDD03-020	19	20	6.59	0.02		0.023	X	0.072	62.2	0.04	0.33	0.61	0.55	0.054	0.008	0.038	12.65	11.76	99.53	0.599	0.021	3.89
MDD03	MDD03-021	20	21	7.38	0.01		0.056	X	0.178	54.94	0.08	0.67	0.57	0.65	0.156	0.006	0.026	20.43	9.92	100.12	0.503	0.046	4.32
MDD03	MDD03-022	21	22	7.86	0.02		0.161	X	0.232	52.14	0.12	0.7	1.06	0.74	0.154	0.005	0.031	21.33	9.67	99.68	0.502	0.042	4.62
MDD03	MDD03-023	22	23	6.64	0.02		0.108	X	0.253	55.64	0.09	0.71	0.65	0.8	0.155	0.005	0.04	19.24	9.86	99.52	0.509	0.038	4.58
MDD03	MDD03-024	23	24	5.37	0.02		0.185	X	0.215	62.65	0.08	0.34	1.21	0.64	0.176	0.008	0.078	13.58	5.3	99.41	0.333	0.042	8.95
MDD03	MDD03-025	24	25	8.14	0.01		0.096	X	0.166	54.7	0.08	0.52	0.74	0.71	0.129	0.005	0.064	17.98	9.88	100.1	0.483	0.032	6.23
MDD03	MDD03-026	25	26	6.24	0.01		0.077	X	0.212	61.14	0.05	0.37	0.64	0.56	0.14	0.004	0.052	14.83	8.25	99.76	0.425	0.033	6.58
MDD03	MDD03-027	26	27	6.51	0.02		0.053	X	0.18	61.42	0.05	0.34	0.72	0.58	0.113	0.005	0.05	13.58	9.45	99.81	0.484	0.025	6.11
MDD03	MDD03-028	27	28	6.84	0.03		0.047	X	0.189	62.92	0.04	0.27	0.69	0.85	0.093	0.004	0.074	11.44	8.06	99.67	0.427	0.024	7.6
MDD03	MDD03-029	28	29	7.44	0.03		0.056	X	0.181	62.12	0.04	0.25	0.83	0.86	0.094	0.004	0.067	11.73	7.86	99.89	0.41	0.027	7.78
MDD03	MDD03-030	29	30	7.98	0.03		0.043	X	0.152	61.25	0.04	0.27	0.79	0.84	0.078	0.005	0.07	12.1	9.11	100.08	0.457	0.02	6.75
MDD03	MDD03-031	30	31	7.51	0.03		0.03	X	0.114	61.91	0.04	0.38	0.6	0.97	0.051	0.006	0.069	12.01	10.44	100.02	0.508	0.02	5.27
MDD03	MDD03-032	31	32	7.23	0.02		0.077	X	0.164	61.46	0.04	0.3	1.03	0.64	0.096	0.002	0.052	11.84	10.4	99.86	0.527	0.02	5.81
MDD03	MDD03-033	32	33	6.32	0.03		0.047	X	0.105	65.04	0.02	0.22	0.66	0.79	0.112	0.003	0.069	9.57	8.54	99.63	0.428	0.025	7.58
MDD03	MDD03-034	33	34	4.93	0.02		0.064	X	0.124	69.72	0.02	0.17	0.67	0.61	0.174	0.003	0.066	7.92	6.11	99.9	0.323	0.035	8.82
MDD03	MDD03-035	34	35	5.19	0.02		0.066	X	0.116	69.81	0.01	0.16	0.73	0.58	0.167	0.003	0.065	7.83	6.34	99.73	0.327	0.044	8.16
MDD03	MDD03-036	35	36	7.37	0.02		0.033	X	0.125	63.46	0.02	0.18	0.69	0.5	0.074	0.003	0.056	10.88	9.69	100.08	0.471	0.029	6.4
MDD03	MDD03-037	36	37	4.51	0.02		0.056	X	0.096	72.83	0.02	0.16	0.96	0.46	0.116	0.004	0.072	6.61	5.54	100.32	0.305	0.068	8.39
MDD03	MDD03-038	37	38	5.78	0.02		0.035	X	0.104	68.88	0.01	0.2	0.61	0.65	0.067	0.003	0.064	7.73	8.88	99.39	0.46	0.042	5.78
MDD03	MDD03-039	38	39	7.56	0.02		0.029	X	0.103	63.58	0.02	0.22	0.58	0.65	0.057	0.003	0.061	9.72	10.22	99.48	0.511	0.025	6.06
MDD03	MDD03-040	39	40	8.88	0.02		0.026	X	0.114	59.78	0.01	0.23	0.49	0.62	0.043	0.003	0.059	11.07	11.74	99.51	0.604	0.014	5.76
MDD03	MDD03-041	40	41	8.82	0.02		0.023	0.025	0.157	57.58	0.02	0.23	0.5	0.75	0.041	0.002	0.061	10.89	14.31	99.57	0.722	0.014	5.35
MDD03	MDD03-042	41	42	6.42	0.01		0.033	0.007	0.135	64.41	0.01	0.39	0.47	0.49	0.051	X	0.043	7.64	14.59	99.55	0.747	0.016	4.02
MDD03	MDD03-043	42	43	6.05	0.02		0.03	0.006	0.099	66.56	0.01	0.39	0.41	0.5	0.051	X	0.049	7.21	13.78	99.88	0.715	0.02	3.93
MDD03	MDD03-044	43	44	6.09	0.02		0.03	0.006	0.116	66.09	0.01	0.38	0.46	0.48	0.055	0.001	0.044	7.36	13.81	99.75	0.691	0.02	4.03
MDD03	MDD03-045	44	45	5.64	0.02		0.032	0.005	0.1	69.27	0.01	0.31	0.52	0.44	0.058	0.002	0.043	7.13	11.47	100.03	0.619	0.025	4.26
MDD03	MDD03-046	45	46	5.74	0.01		0.027	0.007	0.065	67.4	0.01	0.34	0.4	0.41	0.051	X	0.042	6.78	14.33	99.65	0.733	0.018	3.25
MDD03	MDD03-047	46	47	6.37	0.02		0.034	0.007	0.093	66.63	0.01	0.33	0.41	0.39	0.063	0.002	0.04	7.45	13.39	99.89	0.701	0.019	3.88
MDD03	MDD03-048	47	48	5.06	0.01		0.04	0.027	0.095	68.23	X	0.57	0.44	0.41	0.078	0.001	0.041	6.08	14.2	99.57	0.708	0.023	3.46
MDD03	MDD03-049	48	49	5.21	0.02		0.03	0.007	0.045	69.39	0.01	0.56	0.42	0.63	0.044	0.001	0.043	6.31	14.67	100.29	0.759	0.016	2.1
MDD03	MDD03-050	49	50	5.07	0.01		0.034	0.005	0.071	69.78	0.01	0.5	0.44	0.48	0.048	X	0.044	6.52	13.65	99.57	0.715	0.015	2.15

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD03	MDD03-051	50	51	6.49	0.01		0.033	0.075	0.069	66.39	0.01	0.47	0.45	0.4	0.031	0.003	0.051	7.89	14.06	99.97	0.718	0.02	2.77
MDD03	MDD03-052	51	52	9.77	0.01		0.04	0.125	0.174	62.3	0.02	0.22	0.31	0.42	0.112	0.004	0.077	11.79	6.52	99.51	0.391	0.043	7.12
MDD03	MDD03-053	52	53	6.04	X		0.033	0.042	0.047	69.38	X	0.53	0.35	0.28	0.053	X	0.031	7.12	13.05	100.34	0.787	0.018	2.51
MDD03	MDD03-054	53	53.4	22.81	X		0.067	0.125	0.308	31.57	0.07	0.19	0.32	0.56	0.121	0.001	0.059	29.83	0.78	99.57	0.078	0.028	12.53
MDD04	MDD04-001	0	1	17.58	0.02		0.005	0.03	0.019	46.24	0.02	0.1	0.12	0.17	0.009	0.01	0.065	17.03	8.81	99.99	0.731	0.008	9.02
MDD04	MDD04-002	1	2	13.18	0.01		0.005	0.015	0.066	55.34	0.01	0.08	0.15	0.17	0.01	0.012	0.084	14.21	8.01	100.4	0.867	0.013	8.15
MDD04	MDD04-003	2	3	10.34	0.03		0.007	0.011	0.122	61.5	0.02	0.12	0.17	0.21	0.015	0.013	0.093	11.27	7.69	100.13	0.581	0.017	7.93
MDD04	MDD04-004	3	4	6.33	0.02		0.019	0.006	0.154	68.61	0.02	0.1	0.18	0.17	0.04	0.015	0.094	9.41	6.43	100.03	0.414	0.027	7.97
MDD04	MDD04-005	4	5	6.54	0.03		0.021	0.01	0.137	65.33	0.03	0.15	0.23	0.29	0.045	0.008	0.081	12.46	7.33	100.31	0.438	0.022	7.12
MDD04	MDD04-006	5	6	8.02	0.02		0.007	0.008	0.077	61.79	0.03	0.2	0.19	0.18	0.015	0.005	0.061	14.51	8.47	100	0.562	0.011	5.83
MDD04	MDD04-007	6	7	7.7	0.02		0.012	0.008	0.072	61.78	0.04	0.2	0.2	0.22	0.017	0.005	0.065	14.89	8.03	99.94	0.52	0.015	6.15
MDD04	MDD04-008	7	8	2.1	0.02		0.056	X	0.056	78.15	X	0.07	0.39	0.13	0.085	0.004	0.061	9.05	1.62	100.58	0.108	0.053	8.57
MDD04	MDD04-009	8	9	5.4	0.02		0.03	X	0.071	69.69	0.02	0.1	0.33	0.22	0.056	0.005	0.083	9.97	4.6	99.96	0.286	0.034	9.04
MDD04	MDD04-010	9	10	3.73	0.01		0.036	X	0.05	75.2	0.02	0.09	0.36	0.19	0.06	0.005	0.066	7.69	3.99	99.82	0.225	0.042	8.02
MDD04	MDD04-011	10	11	6.4	0.02		0.02	X	0.065	67.49	0.02	0.16	0.27	0.32	0.033	0.004	0.046	10.43	8.42	100.56	0.448	0.023	6.36
MDD04	MDD04-012	11	12	5.57	0.02		0.029	X	0.087	70.46	0.01	0.13	0.34	0.47	0.055	0.004	0.085	7.52	5.65	99.59	0.326	0.034	8.79
MDD04	MDD04-013	12	13	6.2	0.02		0.026	X	0.075	67.43	0.04	0.18	0.31	0.5	0.04	0.004	0.083	8.22	8.4	99.56	0.44	0.028	7.54
MDD04	MDD04-014	13	14	7.72	0.02		0.018	X	0.08	63.21	0.01	0.24	0.32	0.57	0.029	0.004	0.075	9.48	11.27	99.48	0.554	0.016	5.86
MDD04	MDD04-015	14	15	6.47	0.02		0.026	X	0.087	69.13	0.01	0.14	0.33	0.47	0.049	0.005	0.08	8.32	7.42	100.02	0.396	0.037	7.02
MDD04	MDD04-016	15	16	7.5	0.02		0.017	0.005	0.059	63.98	0.01	0.32	0.32	0.65	0.025	0.004	0.077	8.73	12.53	99.49	0.636	0.013	4.59
MDD04	MDD04-017	16	17	6.03	0.01		0.02	0.005	0.067	68.13	0.01	0.43	0.31	0.4	0.027	0.002	0.051	6.75	13.73	99.89	0.69	0.02	3.18
MDD04	MDD04-018	17	18	6.09	X		0.026	0.005	0.079	68.09	0.01	0.43	0.3	0.39	0.041	0.003	0.061	6.88	13.43	100.38	0.677	0.024	3.82
MDD04	MDD04-019	18	19	6.74	0.01		0.019	0.006	0.054	65.85	X	0.44	0.31	0.46	0.03	0.002	0.05	7.64	14.37	99.95	0.733	0.015	3.2
MDD04	MDD04-020	19	20	6.73	0.02		0.019	X	0.073	64.79	X	0.48	0.31	0.52	0.028	0.002	0.053	7.51	14.97	99.95	0.745	0.018	3.67
MDD04	MDD04-021	20	21	5.55	0.01		0.029	0.005	0.094	69.5	X	0.37	0.3	0.38	0.048	0.002	0.058	6.33	11.87	99.87	0.602	0.035	4.63
MDD04	MDD04-022	21	22	6.75	0.02		0.019	X	0.091	66.79	0.01	0.36	0.3	0.59	0.031	0.002	0.069	7.94	11.8	99.86	0.618	0.025	4.44
MDD04	MDD04-023	22	23	6.41	0.02		0.017	X	0.123	66.6	0.01	0.4	0.3	0.58	0.025	0.003	0.082	7.22	13.09	100.04	0.683	0.025	4.44
MDD04	MDD04-024	23	24	5.74	X		0.021	0.005	0.07	67.71	X	0.5	0.31	0.31	0.03	X	0.034	6.2	15.98	99.91	0.822	0.021	2.1
MDD04	MDD04-025	24	25	5.79	0.01		0.018	0.005	0.083	67.62	0.01	0.46	0.29	0.5	0.025	X	0.042	6.4	15.29	100.31	0.782	0.02	2.93
MDD04	MDD04-026	25	26	6.62	0.01		0.022	X	0.181	67.3	X	0.25	0.29	0.39	0.04	0.002	0.078	7.5	11.34	99.75	0.612	0.02	5.06
MDD04	MDD04-027	26	27	6.85	0.01		0.019	0.009	0.092	65.12	X	0.37	0.28	0.33	0.026	0.001	0.042	7.41	15.07	99.97	0.802	0.047	3.44
MDD04	MDD04-028	27	28	7.7	X		0.017	0.008	0.078	63.16	0.01	0.42	0.28	0.41	0.018	0.002	0.042	8.53	14.89	99.79	0.785	0.042	3.35
MDD04	MDD04-029	28	29	6.89	0.01		0.019	0.005	0.07	66.3	0.01	0.62	0.32	0.42	0.019	0.002	0.043	7.76	14.09	99.94	0.747	0.016	2.59
MDD04	MDD04-030	29	30	7.15	X		0.017	0.015	0.079	64.47	0.01	0.52	0.28	0.34	0.014	0.001	0.044	8.04	14.78	99.63	0.82	0.025	2.99
MDD04	MDD04-031	30	31	6.91	X		0.019	0.008	0.04	65.09	0.01	0.59	0.3	0.38	0.014	X	0.04	7.77	15.17	99.92	0.822	0.017	2.72
MDD04	MDD04-032	31	32	5.93	X		0.02	0.007	0.044	67.94	X	0.69	0.3	0.34	0.025	X	0.034	6.72	14.79	99.71	0.779	0.018	2.03
MDD04	MDD04-033	32	32.5	6.45	X		0.021	0.007	0.027	66.97	0.01	0.64	0.29	0.32	0.028	X	0.03	7.35	14.87	100.03	0.785	0.021	2.18
MDD04	***Met sample***	32.5	32.9																				
MDD04	MDD04-034	32.9	34	5.86	X		0.019	0.007	0.044	67.91	X	0.68	0.3	0.21	0.032	0.002	0.037	6.66	14.54	99.6	0.754	0.018	2.48
MDD04	MDD04-035	34	35	5.23	X		0.018	0.005	0.044	70.21	X	0.72	0.31	0.25	0.031	X	0.036	5.82	14.5	100.12	0.767	0.016	2.15
MDD04	MDD04-036	35	36	6.57	X		0.017	0.006	0.067	66.2	0.01	0.54	0.33	0.43	0.026	X	0.044	7.32	14.75	99.85	0.775	0.01	2.72
MDD04	MDD04-037	36	37	5.66	X		0.026	0.008	0.068	69.24	X	0.72	0.33	0.24	0.049	X	0.035	6.35	14.86	100.55	0.809	0.013	2.08
MDD04	MDD04-038	37	38	5.5	X		0.023	0.009	0.055	67.89	X	0.78	0.32	0.25	0.036	X	0.031	6.15	16.15	100.24	0.868	0.016	2.11
MDD04	MDD04-039	38	39	5.59	X		0.024	0.012	0.041	68.19	X	0.84	0.3	0.2	0.039	X	0.021	6.19	16.3	100.53	0.852	0.018	1.87
MDD04	MDD04-040	39	40	5.78	X		0.026	0.011	0.062	67.91	X	0.75	0.29	0.24	0.045	X	0.029	6.44	15.56	100.25	0.86	0.029	2.16
MDD04	MDD04-041	40	41	5.36	X		0.017	0.011	0.052	69.14	X	0.73	0.31	0.21	0.027	X	0.03	5.95	15.24	99.77	0.835	0.015	1.79
MDD04	MDD04-042	41	42	5.73	X		0.021	0.009	0.031	67.79	X	0.75	0.29	0.18	0.024	X	0.021	6.48	15.73	99.83	0.833	0.01	1.89
MDD04	MDD04-043	42	43	5.56	X		0.018	0.009	0.026	68.12	X	0.81	0.31	0.2	0.022	X	0.019	6.32	15.91	99.83	0.812	0.009	1.65
MDD04	MDD04-044	43	44	6.26	X		0.018	0.013	0.04	67.87	0.01	0.57	0.3	0.23	0.024	X	0.023	7.07	14.8	100.12	0.808	0.015	2.03
MDD04	MDD04-045	44	45	10.37	X		0.019	0.055	0.214	60.48	0.04	0.36	0.21	0.47	0.048	0.002	0.099	11.52	8.92	99.53	0.495	0.026	6.18
MDD04	MDD04-046	45	46	4.56	X		0.028	0.014	0.052	71.97	X	0.72	0.33	0.15	0.059	X	0.02	5.13	15.12	100.04	0.809	0.014	1
MDD04	MDD04-047	46	47	5.06	X		0.032	0.013	0.04	69.9	X	0.88	0.31	0.18	0.054	X	0.018	5.67	15.16	99.71	0.815	0.014	1.5

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD04	MDD04-048	47	48	5.44	X		0.025	0.011	0.047	68.52	0.01	0.83	0.31	0.29	0.042	X	0.025	6.16	15.32	99.83	0.842	0.017	1.9
MDD04	MDD04-049	48	49.1	3.79	X		0.025	0.01	0.06	74.78	X	0.77	0.3	0.13	0.063	0.002	0.047	4.34	12.7	99.82	0.687	0.023	2.06
MDD05	MDD05-001	0	1	18.46	0.08		0.005	0.032	0.021	42.56	0.05	0.19	0.1	0.18	0.008	0.006	0.037	21.55	6.92	99.82	0.505	0.005	9.1
MDD05	MDD05-002	1	2	24.45	0.11		X	0.032	0.019	29.08	0.04	0.2	0.07	0.37	0.01	0.006	0.055	28.59	5.7	100.51	0.534	X	11.23
MDD05	MDD05-003	2	3	10.36	0.05		0.011	0.01	0.089	63.4	0.02	0.14	0.15	0.22	0.021	0.007	0.097	10.14	6.27	99.93	0.443	0.012	8.51
MDD05	MDD05-004	3	4	13.55	0.03		0.008	0.017	0.082	55.59	0.03	0.14	0.15	0.29	0.016	0.008	0.096	14.79	6.62	99.98	0.486	0.01	8.11
MDD05	MDD05-005	4	5	13.45	0.02		0.005	0.015	0.068	54.14	0.03	0.14	0.17	0.26	0.012	0.009	0.119	16.04	7.48	100.1	0.548	0.009	7.62
MDD05	MDD05-006	5	6	13.03	0.01		0.005	0.011	0.051	54.92	0.03	0.18	0.18	0.2	0.01	0.008	0.102	15.51	7.99	100.01	0.569	0.006	7.26
MDD05	MDD05-007	6	7	7.79	0.01		0.034	0.008	0.11	67.52	0.02	0.16	0.24	0.3	0.07	0.007	0.089	9.13	5.52	99.56	0.368	0.023	8.14
MDD05	MDD05-008	7	8	10.29	0.01		0.018	0.01	0.074	60.04	0.07	0.28	0.21	0.44	0.044	0.005	0.078	13.44	6.84	99.66	0.449	0.014	7.34
MDD05	MDD05-009	8	9	7.9	X		0.026	0.006	0.118	66.06	0.05	0.23	0.23	0.29	0.061	0.004	0.07	10.91	5.67	99.79	0.344	0.019	7.77
MDD05	MDD05-010	9	10	10.78	0.01		0.015	0.006	0.088	57.69	0.1	0.27	0.18	0.48	0.042	0.005	0.077	15.36	6.31	99.65	0.398	0.011	7.82
MDD05	MDD05-011	10	11	9.53	0.01		0.014	0.005	0.085	60.14	0.07	0.23	0.19	0.36	0.043	0.005	0.061	14.09	6.72	100.02	0.379	0.013	8.07
MDD05	MDD05-012	11	12	10.04	0.02		0.008	X	0.057	61.75	0.06	0.21	0.15	0.56	0.029	0.005	0.082	12.26	6.01	99.46	0.413	0.007	7.82
MDD05	MDD05-013	12	13	9.04	0.02		0.016	X	0.057	61.44	0.05	0.18	0.23	0.46	0.048	0.004	0.068	12.76	7.57	99.81	0.391	0.013	7.46
MDD05	MDD05-014	13	14	3.88	0.02		0.043	X	0.083	75.14	0.02	0.14	0.3	0.53	0.12	0.004	0.1	6.57	3	99.43	0.202	0.029	9.23
MDD05	MDD05-015	14	15	7.85	0.03		0.01	X	0.04	64.72	0.03	0.18	0.22	0.79	0.029	0.004	0.084	10.99	8.09	99.39	0.481	0.01	5.87
MDD05	MDD05-016	15	16	2.69	0.01		0.044	X	0.089	79.04	0.01	0.1	0.34	0.32	0.115	0.003	0.079	4.77	2.45	100.11	0.151	0.03	9.85
MDD05	MDD05-017	16	17	5.97	0.02		0.03	0.014	0.045	70.57	0.04	0.13	0.26	0.45	0.079	0.003	0.081	8.25	4.96	99.78	0.253	0.02	8.62
MDD05	MDD05-018	17	18	6.49	0.03		0.029	0.006	0.085	68.74	0.03	0.2	0.25	0.92	0.07	0.003	0.106	8.47	6.55	99.67	0.353	0.029	7.32
MDD05	MDD05-019	18	19	3.31	0.01		0.055	X	0.2	78.43	0.01	0.11	0.28	0.43	0.132	0.003	0.106	4.83	3.65	100.06	0.205	0.05	8.2
MDD05	MDD05-020	19	20	5.27	0.02		0.029	X	0.103	72.2	0.02	0.16	0.26	0.63	0.072	0.003	0.08	7.08	7.12	99.48	0.381	0.034	6
MDD05	MDD05-021	20	21	5.3	0.02		0.027	X	0.168	71.76	0.01	0.14	0.27	0.48	0.066	0.004	0.087	6.74	6.69	99.39	0.356	0.036	7.21
MDD05	MDD05-022	21	22	6.93	0.02		0.016	X	0.133	67.56	0.02	0.18	0.26	0.66	0.038	0.004	0.073	8.28	9.18	100.01	0.531	0.026	6.09
MDD05	MDD05-023	22	23	6.49	0.02		0.013	0.007	0.056	67.06	0.02	0.36	0.29	0.74	0.021	0.003	0.068	7.82	12.45	99.52	0.642	0.017	3.44
MDD05	MDD05-024	23	24	8.03	0.02		0.012	0.006	0.113	64.82	0.02	0.24	0.26	0.65	0.028	0.003	0.073	9.48	10.26	100.06	0.559	0.018	5.47
MDD05	MDD05-025	24	25	5.77	0.02		0.036	X	0.086	71.88	0.01	0.15	0.28	0.6	0.09	0.004	0.085	7.48	6.37	99.34	0.329	0.039	6.08
MDD05	MDD05-026	25	26	7.65	0.02		0.02	0.022	0.129	65.34	0.02	0.18	0.29	0.55	0.043	0.004	0.073	9.04	9.22	99.74	0.473	0.026	6.62
MDD05	MDD05-027	26	27	5.46	0.01		0.039	0.01	0.098	73.47	0.01	0.13	0.3	0.43	0.11	0.003	0.089	6.92	5.53	99.38	0.313	0.042	6.41
MDD05	MDD05-028	27	28	5.98	X		0.032	0.007	0.072	71.52	0.01	0.16	0.29	0.36	0.096	0.002	0.078	7.33	7.66	99.35	0.391	0.035	5.3
MDD05	MDD05-029	28	29	4.65	0.02		0.026	0.006	0.081	75.66	0.01	0.24	0.35	0.4	0.075	0.001	0.069	5.54	7.77	100.05	0.39	0.036	4.7
MDD05	MDD05-030	29	30	5.41	0.01		0.022	0.009	0.063	70.71	X	0.34	0.34	0.49	0.054	X	0.064	6.12	12.01	99.54	0.607	0.02	3.24
MDD05	MDD05-031	30	31	5.25	0.01		0.021	X	0.061	71.73	0.01	0.33	0.33	0.44	0.052	X	0.055	6.01	11.31	99.63	0.582	0.022	3.39
MDD05	MDD05-032	31	32	5.49	0.02		0.02	X	0.071	69.04	0.01	0.43	0.35	0.55	0.047	0.001	0.057	6.17	13.82	99.9	0.704	0.017	3.07
MDD05	MDD05-033	32	33	6.31	0.01		0.02	0.005	0.062	67.67	X	0.29	0.37	0.33	0.037	0.002	0.044	7.22	14.55	100.38	0.746	0.013	2.66
MDD05	MDD05-034	33	34	6.05	0.01		0.021	X	0.069	68.71	0.01	0.34	0.34	0.46	0.046	0.002	0.063	7.04	12.41	99.76	0.649	0.023	3.49
MDD05	MDD05-035	34	35	6.38	0.02		0.02	X	0.08	66.06	0.01	0.35	0.36	0.74	0.047	0.002	0.072	7.29	13.93	100.03	0.705	0.016	3.94
MDD05	MDD05-036	35	36	4.49	X		0.026	X	0.073	71.91	X	0.43	0.33	0.34	0.055	X	0.049	5.11	13.75	99.99	0.721	0.018	2.64
MDD05	MDD05-037	36	37	4.81	X		0.02	0.006	0.06	71.06	X	0.43	0.33	0.25	0.043	X	0.04	5.47	14.58	99.92	0.753	0.014	2.02
MDD05	MDD05-038	37	38	4.54	X		0.029	0.005	0.082	73.11	X	0.34	0.32	0.25	0.071	0.001	0.052	5.3	11.92	100.11	0.629	0.027	3.39
MDD05	MDD05-039	38	39	5.7	0.01		0.024	X	0.1	69.47	X	0.29	0.36	0.41	0.057	0.002	0.062	6.69	11.78	99.74	0.619	0.042	4.09
MDD05	MDD05-040	39	40	5.31	0.02		0.021	0.005	0.096	68.22	0.01	0.49	0.34	0.5	0.036	0.002	0.052	5.98	15.01	99.68	0.775	0.019	2.77
MDD05	MDD05-041	40	40.7	5.97	0.02		0.02	X	0.065	66.69	0.01	0.52	0.35	0.51	0.029	0.002	0.045	6.71	15.35	99.83	0.782	0.019	2.71
MDD06	MDD06-001	0	1	16.78	0.07	0.399	X	0.513	0.033	40.62	0.17	0.25	0.03	0.48	0.014	0.009	0.254	18.39	9.33	100.12	0.705	0.006	12.25
MDD06	MDD06-002	1	2	10.47	0.01	0.229	X	0.227	0.016	46.79	0.04	0.08	0.05	0.28	0.007	0.01	0.317	8.13	23.47	99.88	0.703	0.005	9.29
MDD06	MDD06-003	2	3	26.38	0.02	0.567	X	0.648	0.038	23.71	0.55	0.23	0.03	0.7	0.014	0.006	0.901	24.84	7.01	100.18	0.443	0.006	14.94
MDD06	MDD06-004	3	4	23.12	0.01	0.309	X	0.797	0.037	32.77	1.11	0.16	0.02	0.62	0.023	0.009	1.628	16.76	6.63	100.62	0.392	0.008	17.76
MDD06	MDD06-005	4	5	20.99	0.01	0.433	X	0.153	0.023	32.38	0.08	0.14	0.04	0.53	0.021	0.003	0.124	23.82	11.35	100.57	0.803	0.005	9.75
MDD06	MDD06-006	5	6	16.54	X	0.324	0.011	0.064	0.015	38.63	0.11	0.3	0.1	0.43	0.026	0.001	0.051	20.84	15.74	100.81	0.744	0.012	6.87
MDD06	MDD06-007	6	7	9.3	X	0.224	0.018	0.067	0.019	57.1	0.05	0.42	0.15	0.32	0.031	X	0.027	11.42	16.37	100.57	0.942	0.019	4.07
MDD06	MDD06-008	7	8	7.6	X	0.213	0.027	0.101	0.025	61.9	0.04	0.5	0.17	0.27	0.035	X	0.023	8.98	16.38	100.47	0.923	0.05	3.2
MDD06	MDD06-009	8	9	8.64	0.01	0.23	0.021	0.137	0.042	61.78	0.02	0.35	0.17	0.3	0.036	X	0.039	9.53	14.15	100.6	0.925	0.03	4.17

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD06	MDD06-010	9	10	8.76	X	0.258	0.016	0.158	0.035	62.45	0.03	0.44	0.2	0.31	0.036	X	0.045	9.85	12.59	100.23	0.849	0.016	4.16
MDD06	MDD06-011	10	11	9.96	X	0.314	0.017	0.174	0.027	60.69	0.03	0.37	0.21	0.38	0.04	X	0.037	11.7	11.76	100.69	0.666	0.013	4.28
MDD06	MDD06-012	11	12	11.79	0.01	0.345	0.015	0.178	0.043	57.12	0.04	0.28	0.21	0.43	0.035	0.002	0.059	13.57	10.01	100.48	0.622	0.011	5.71
MDD06	MDD06-013	12	13	9.21	0.01	0.41	0.014	0.167	0.034	62.86	0.03	0.45	0.24	0.46	0.033	0.001	0.053	10.81	10.67	100.52	0.566	0.015	4.5
MDD06	MDD06-014	13	14	14.05	0.01	0.379	0.01	0.321	0.065	52.91	0.04	0.2	0.24	0.49	0.027	0.002	0.055	16.36	8.02	100.72	0.408	0.012	7.1
MDD06	MDD06-015	14	15	12.31	0.02	0.448	0.008	0.677	0.088	56.65	0.05	0.51	0.17	0.84	0.053	0.003	0.081	14.5	5.49	100.65	0.463	0.009	8.29
MDD06	MDD06-016	15	16	12.09	0.02	0.713	0.007	0.634	0.091	57.23	0.05	0.56	0.15	0.87	0.053	0.002	0.081	14.09	5.31	100.88	0.678	0.006	8.25
MDD06	MDD06-017	16	17	9.46	0.02	0.479	0.009	0.828	0.095	63.54	0.03	0.53	0.15	0.55	0.051	0.003	0.071	11.04	5.18	100.86	0.498	0.013	8.31
MDD06	MDD06-018	17	18	15.28	0.02	0.701	0.008	0.985	0.1	47.33	0.06	0.64	0.23	0.78	0.026	0.003	0.087	17.91	7.15	100.31	0.31	0.009	8.71
MDD06	MDD06-019	18	19	12.05	0.02	0.612	0.012	1.034	0.097	55.92	0.04	0.58	0.26	0.68	0.06	0.002	0.074	14.02	7.54	100.17	0.258	0.015	6.9
MDD06	MDD06-020	19	20	9.14	0.03	0.957	0.012	0.997	0.174	62.41	0.04	0.74	0.22	1.01	0.106	0.003	0.097	10.43	6.89	100.44	0.212	0.013	6.94
MDD06	MDD06-021	20	21	9.46	0.02	0.75	0.015	1.098	0.139	61.66	0.03	0.81	0.27	0.82	0.095	0.003	0.076	10.5	8.2	100.1	0.25	0.017	5.85
MDD06	MDD06-022	21	22	6.6	0.03	1.222	0.033	0.853	0.261	68.5	0.03	0.83	0.35	1.21	0.203	0.003	0.112	7.46	6.05	100.95	0.19	0.01	6.96
MDD06	MDD06-023	22	23	6.53	0.03	1.343	0.063	0.715	0.218	68.1	0.03	0.76	0.34	1.36	0.32	0.004	0.118	7.49	5.11	100.8	0.159	0.018	8
MDD06	MDD06-024	23	24	7.24	0.03	1.041	0.048	0.667	0.188	68.07	0.03	0.76	0.31	0.97	0.287	0.004	0.109	8.41	5.07	100.87	0.158	0.017	7.39
MDD06	MDD06-025	24	25	6.47	0.03	1.051	0.052	0.64	0.111	69.65	0.03	0.82	0.39	1.1	0.299	0.004	0.106	7.84	4.92	100.62	0.145	0.028	6.87
MDD06	MDD06-026	25	26	6.42	0.03	0.808	0.043	0.649	0.102	69.91	0.03	0.88	0.4	1.18	0.267	0.004	0.103	7.7	5.19	100.71	0.153	0.026	6.74
MDD06	MDD06-027	26	27	5.51	0.03	0.975	0.052	0.594	0.103	72.06	0.02	0.83	0.45	1.13	0.286	0.004	0.098	6.89	4.92	100.73	0.141	0.036	6.54
MDD06	MDD06-028	27	28	5.56	0.03	1.079	0.044	0.603	0.096	72.31	0.03	0.78	0.42	1.12	0.265	0.003	0.109	6.83	4.53	100.53	0.133	0.034	6.5
MDD06	MDD06-029	28	29	6.1	0.03	0.871	0.04	0.703	0.108	71.25	0.02	0.79	0.42	0.97	0.275	0.004	0.099	7.1	5.2	100.38	0.156	0.028	6.15
MDD06	MDD06-030	29	30	7.37	0.03	0.974	0.045	0.677	0.126	67.93	0.03	0.76	0.42	1.04	0.283	0.006	0.101	8.51	5.68	100.85	0.17	0.016	6.61
MDD06	MDD06-031	30	31	6.27	0.02	0.693	0.052	0.765	0.133	70.44	0.02	0.79	0.43	0.76	0.322	0.004	0.079	7.24	6.41	100.45	0.19	0.015	5.7
MDD06	MDD06-032	31	32	7.11	0.02	0.473	0.063	0.7	0.195	68.2	0.02	0.62	0.5	0.86	0.361	0.006	0.082	8.32	5.71	100.49	0.182	0.013	6.92
MDD06	MDD06-033	32	33	6.81	0.02	0.483	0.084	0.704	0.206	67.92	0.02	0.56	0.54	0.76	0.452	0.005	0.091	8.02	5.91	100.27	0.18	0.025	7.3
MDD06	MDD06-034	33	34	8.38	0.02	0.827	0.037	0.442	0.157	64.15	0.02	0.36	0.43	0.87	0.215	0.003	0.085	9.7	8.77	101.2	0.334	0.027	6.29
MDD06	MDD06-035	34	35	9.47	0.01	0.681	0.018	0.199	0.072	61.52	0.02	0.27	0.33	0.65	0.075	0.002	0.05	10.94	10.97	100.21	0.501	0.023	4.39
MDD06	MDD06-036	35	36	9.74	0.02	0.604	0.02	0.203	0.074	61.23	0.02	0.37	0.34	0.66	0.082	X	0.047	11.25	11.03	100.63	0.502	0.024	4.37
MDD06	MDD06-037	36	37	8.96	0.01	0.472	0.02	0.188	0.059	62.46	0.02	0.39	0.37	0.49	0.077	X	0.037	10.3	12.31	100.01	0.502	0.024	3.28
MDD06	MDD06-038	37	38	7.73	0.02	0.658	0.021	0.194	0.083	63.96	0.02	0.46	0.41	0.7	0.08	X	0.05	8.91	13.22	100.22	0.475	0.025	3.17
MDD06	MDD06-039	38	39	5.53	0.03	1.176	0.042	0.596	0.195	70.42	0.02	0.37	0.59	1.15	0.223	0.005	0.099	6.85	7.03	100.52	0.2	0.022	5.86
MDD06	MDD06-040	39	40	6.25	0.03	1.086	0.05	0.792	0.073	70.04	0.02	0.32	0.57	1.12	0.251	0.006	0.093	7.8	6.03	100.59	0.176	0.018	5.79
MDD06	MDD06-041	40	41	5.72	0.03	1.192	0.054	0.602	0.115	69.96	0.02	0.45	0.59	1.14	0.283	0.004	0.108	6.85	7.01	100.72	0.184	0.021	6.31
MDD06	MDD06-042	41	42	16.06	0.02	0.828	0.045	0.362	0.2	49.12	0.05	0.21	0.42	0.98	0.091	0.002	0.104	18.27	4.17	100.48	0.218	0.018	9.27
MDD06	MDD06-043	42	43	3.66	0.03	1.088	0.06	0.075	0.134	80.86	0.02	0.28	0.59	1.11	0.181	0.009	0.116	4.93	1.8	100.65	0.104	0.02	5.53
MDD06	MDD06-044	43	44	2.46	0.03	0.675	0.049	0.035	0.133	84.83	0.02	0.35	0.62	0.73	0.17	0.006	0.084	3.95	0.91	100.96	0.047	0.025	5.76
MDD06	MDD06-045	44	45	2.2	0.02	0.778	0.064	0.04	0.133	85.23	0.01	0.3	0.56	0.74	0.2	0.004	0.096	3.54	0.65	100.57	0.028	0.044	5.86
MDD06	MDD06-046	45	46	8.47	0.02	0.912	0.057	0.239	0.224	66.95	0.02	0.25	0.7	0.95	0.164	0.005	0.086	10.71	2.63	100.42	0.114	0.024	7.77
MDD06	MDD06-047	46	47	10.96	0.02	0.742	0.038	0.265	0.218	62.78	0.02	0.19	0.6	0.84	0.122	0.005	0.077	13.48	2.88	100.88	0.139	0.026	7.36
MDD06	MDD06-048	47	48	10.71	0.02	0.851	0.055	0.412	0.206	61.64	0.02	0.22	0.67	0.95	0.149	0.004	0.08	13.37	2.83	100.44	0.127	0.025	7.99
MDD06	MDD06-049	48	49	2.51	0.03	0.675	0.084	0.102	0.252	78.91	0.02	0.45	0.4	0.97	0.333	0.009	0.103	5.54	0.8	100.47	0.028	0.042	9.09
MDD06	MDD06-050	49	50	2.74	0.02	0.861	0.084	0.076	0.288	66.99	0.03	0.42	0.78	0.91	0.253	0.01	0.082	19.28	0.91	100.5	0.031	0.022	6.53
MDD06	MDD06-051	50	51	3.37	0.04	1.786	0.067	0.07	0.466	65.69	0.09	1.88	0.54	2.07	0.229	0.018	0.125	16.02	1.11	101.64	0.04	0.025	7.86
MDD06	MDD06-052	51	52	2.74	0.02	0.599	0.079	0.03	0.371	52.68	0.13	4.65	0.63	1.23	0.266	0.01	0.056	29.45	0.77	100.01	0.025	0.029	6.05
MDD06	MDD06-053	52	53	2.27	0.02	0.688	0.062	0.03	0.381	50.4	0.09	5.05	0.6	1.18	0.23	0.014	0.057	32.87	0.67	100.2	0.022	0.025	5.35
MDD06	MDD06-054	53	54	1.76	0.02	0.811	0.049	0.015	0.251	42.04	0.09	2.58	0.53	1.18	0.246	0.014	0.059	45.25	0.57	100.41	0.017	0.025	4.75
MDD06	MDD06-055	54	55	1.9	0.02	0.82	0.059	0.029	0.204	54.67	0.06	1.06	0.73	1.02	0.263	0.018	0.061	34.08	0.71	100.53	0.022	0.026	4.6
MDD06	MDD06-056	55	56	1.52	0.03	1.002	0.044	0.021	0.159	37.9	0.04	0.71	0.49	1.04	0.203	0.014	0.064	53.1	0.48	101.06	0.015	0.016	4.11
MDD06	MDD06-057	56	57	2.36	0.02	0.455	0.058	0.03	0.219	55.5	0.14	3.51	0.7	1.08	0.292	0.021	0.046	29.4	0.71	100.21	0.022	0.033	5.41
MDD06	MDD06-058	57	58	2.22	0.02	0.417	0.051	0.027	0.194	52.51	0.16	5.04	0.58	1.3	0.287	0.017	0.043	30.52	0.64	100.16	0.017	0.032	5.92
MDD06	MDD06-059	58	59	2.04	0.01	0.328	0.046	0.037	0.201	50.98	0.16	6.11	0.49	1.16	0.317	0.014	0.036	31.51	0.62	100.29	0.021	0.035	5.98
MDD06	MDD06-060	59	60	1.7	0.02	0.418	0.045	0.038	0.144	42.22	0.14	5.33	0.61	1.12	0.343	0.013	0.038	42.27	0.49	100.35	0.015	0.033	5.19
MDD06	MDD06-061	60	60.8	1.77	0.02	0.696	0.042	0.05	0.084	42.74	0.07	3.48	0.51	0.99	0.309	0.017	0.043	44.39	0.55	100.91	0.019	0.028	4.95

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD07	MDD07-001	0	1	14.12	0.07	0.303	X	0.035	0.02	51.11	0.04	0.18	0.09	0.33	0.009	0.008	0.045	16.62	8.78	100.79	0.81	X	8.19
MDD07	MDD07-002	1	2	16.62	0.05	0.237	X	0.038	0.021	46.24	0.03	0.18	0.07	0.31	0.012	0.007	0.06	18.4	7.15	100.56	1.113	X	10.01
MDD07	MDD07-003	2	3	18.27	0.04	0.255	X	0.054	0.015	44.58	0.03	0.16	0.05	0.34	0.007	0.007	0.07	19.87	6.77	100.78	0.817	X	9.42
MDD07	MDD07-004	3	4	15.48	0.03	0.408	X	0.059	0.011	49.1	0.04	0.16	0.06	0.46	0.007	0.008	0.103	17.92	7.63	100.87	0.906	X	8.52
MDD07	MDD07-005	4	5	13.63	X	0.143	0.005	0.032	0.082	53.3	0.02	0.11	0.09	0.16	0.008	0.007	0.127	15.34	6.55	100.06	0.977	0.008	9.52
MDD07	MDD07-006	5	6	11.29	X	0.22	0.01	0.019	0.113	59.16	0.04	0.15	0.18	0.26	0.022	0.007	0.095	12.57	6.25	99.68	0.395	0.025	8.89
MDD07	MDD07-007	6	7	12.58	X	0.152	0.009	0.014	0.108	55.62	0.04	0.19	0.17	0.27	0.019	0.005	0.071	15.07	6.37	99.78	0.456	0.02	8.58
MDD07	MDD07-008	7	8	11.68	0.01	0.202	0.015	0.012	0.119	57.31	0.06	0.19	0.19	0.33	0.026	0.007	0.084	14.18	6.33	99.78	0.438	0.022	8.56
MDD07	MDD07-009	8	9	13.02	0.01	0.171	0.008	0.012	0.113	54.35	0.05	0.19	0.19	0.29	0.016	0.006	0.062	15.24	7.78	100.13	0.516	0.015	8.08
MDD07	MDD07-010	9	10	8.94	0.02	0.231	0.018	0.011	0.106	62.43	0.04	0.32	0.25	0.33	0.03	0.004	0.045	11.21	10.2	100.46	0.596	0.023	5.6
MDD07	MDD07-011	10	11	8.28	0.01	0.21	0.015	0.007	0.073	61.57	0.04	0.42	0.27	0.3	0.02	0.003	0.033	10.75	13.58	100.33	0.744	0.016	3.95
MDD07	MDD07-012	11	12	8.15	0.01	0.257	0.015	0.007	0.072	61.35	0.04	0.37	0.25	0.33	0.017	0.003	0.034	10.45	14.49	100.63	0.795	0.014	3.94
MDD07	MDD07-013	12	13	9.43	0.01	0.211	0.014	0.01	0.091	57.92	0.05	0.29	0.22	0.29	0.014	0.002	0.032	12.12	14.41	100.66	0.828	0.014	4.67
MDD07	MDD07-014	13	14	7.11	0.01	0.192	0.02	0.007	0.085	61.29	0.05	0.4	0.2	0.3	0.016	X	0.026	9.51	16.45	100.14	0.876	0.019	3.54
MDD07	MDD07-015	14	15	7.82	0.01	0.346	0.02	0.007	0.047	61	0.03	0.36	0.2	0.42	0.019	X	0.025	9.81	16.3	100.76	0.872	0.02	3.43
MDD07	MDD07-016	15	16	7.74	0.02	0.44	0.022	0.007	0.054	59.58	0.02	0.42	0.22	0.52	0.017	X	0.031	9.2	17.34	100.23	0.871	0.018	3.68
MDD07	MDD07-017	16	17	6.77	0.02	0.788	0.022	0.009	0.037	63.81	0.02	0.43	0.23	0.85	0.02	X	0.046	8.27	15.46	101.15	0.885	0.017	3.44
MDD07	MDD07-018	17	18	7.8	0.02	0.532	0.023	0.008	0.034	61.54	0.02	0.44	0.23	0.61	0.02	X	0.035	10.04	15	100.82	0.84	0.016	3.59
MDD07	MDD07-019	18	19	7.65	0.02	0.528	0.021	0.009	0.054	62.45	0.03	0.37	0.22	0.58	0.019	X	0.037	9.8	14.35	100.85	0.963	0.015	3.71
MDD07	MDD07-020	19	20	7.71	0.01	0.412	0.021	0.013	0.061	61.17	0.03	0.25	0.18	0.46	0.018	X	0.03	9.14	15.54	99.83	1.075	0.017	3.67
MDD07	MDD07-021	20	21	8.37	0.01	0.392	0.022	0.01	0.048	60.02	0.03	0.28	0.2	0.45	0.018	X	0.028	9.77	15.31	99.91	1.065	0.035	3.83
MDD07	MDD07-022	21	22	8.23	0.01	0.453	0.028	0.008	0.037	59.57	0.03	0.36	0.19	0.51	0.023	X	0.027	9.7	16.01	99.88	1.032	0.077	3.54
MDD07	MDD07-023	22	23	7.4	0.01	0.334	0.028	0.012	0.041	61.46	0.02	0.55	0.24	0.39	0.026	X	0.022	8.56	17.03	100.17	1.06	0.034	2.92
MDD07	MDD07-024	23	24	7.48	X	0.298	0.026	0.009	0.056	61.32	0.01	0.56	0.23	0.32	0.026	X	0.021	8.57	17.22	100.34	1.105	0.03	2.99
MDD07	MDD07-025	24	25	6.47	X	0.272	0.025	0.011	0.05	64.02	0.01	0.53	0.22	0.3	0.025	X	0.018	7.3	16.94	99.81	1.062	0.02	2.49
MDD07	MDD07-026	25	26	8.49	0.01	0.278	0.02	0.025	0.095	58.54	0.02	0.35	0.2	0.34	0.019	X	0.025	9.97	16.4	99.74	1.21	0.024	3.68
MDD07	MDD07-027	26	27	6.44	0.01	0.292	0.024	0.017	0.024	65.02	0.01	0.45	0.2	0.35	0.027	X	0.017	7.5	16.5	100.64	1.018	0.017	2.69
MDD07	MDD07-028	27	28	13.28	0.02	0.747	0.011	0.108	0.239	50.48	0.03	0.2	0.22	0.84	0.028	0.005	0.063	16.15	8.9	100.38	0.774	0.017	8.21
MDD07	MDD07-029	28	29	4.76	0.04	1.205	0.033	0.083	0.159	72.06	0.02	0.26	0.5	1.13	0.106	0.005	0.097	7.3	3.26	100.67	0.212	0.032	9.36
MDD07	MDD07-030	29	30	6.8	0.04	0.962	0.029	0.133	0.19	66.88	0.02	0.28	0.46	1.2	0.095	0.008	0.109	9.26	2.56	100.25	0.151	0.027	10.99
MDD07	MDD07-031	30	31	10.19	0.02	0.723	0.014	0.275	0.279	58.41	0.02	0.26	0.24	0.82	0.046	0.005	0.084	12.23	7.49	100.33	0.566	0.023	8.57
MDD07	MDD07-032	31	32	6.65	0.02	0.586	0.022	0.036	0.042	56.43	0.02	0.73	0.31	0.65	0.013	X	0.04	7.8	22.52	100.47	1.076	0.039	3.45
MDD07	MDD07-033	32	33	8.15	0.02	0.576	0.023	0.027	0.037	51.56	0.03	0.53	0.17	0.71	0.021	X	0.04	9.46	24.3	100.98	0.898	0.043	4.38
MDD07	MDD07-034	33	34	7.46	0.02	0.528	0.027	0.01	0.034	57.43	0.02	0.45	0.14	0.62	0.032	0.001	0.033	8.69	20.39	101.01	0.938	0.028	4.12
MDD07	MDD07-035	34	35	6.95	0.02	0.643	0.03	0.012	0.037	56.65	0.02	0.53	0.16	0.78	0.034	X	0.042	8.02	21.86	100.76	0.943	0.051	3.97
MDD07	MDD07-036	35	36	6.34	0.01	0.397	0.028	0.014	0.034	60.94	0.02	0.4	0.13	0.46	0.032	X	0.027	7.19	20.38	100.88	0.994	0.031	3.43
MDD07	MDD07-037	36	37	6.22	0.01	0.467	0.022	0.016	0.038	61.58	0.02	0.43	0.16	0.48	0.028	X	0.028	7.15	19	100.11	1.009	0.024	3.41
MDD07	MDD07-038	37	38	5.71	0.01	0.341	0.023	0.015	0.041	64.65	0.01	0.55	0.18	0.42	0.034	X	0.022	6.5	17.39	100.01	0.954	0.015	3.11
MDD07	MDD07-039	38	39	5.71	0.01	0.329	0.022	0.014	0.035	65.34	0.01	0.51	0.14	0.37	0.04	X	0.018	6.51	16.62	99.6	0.952	0.019	2.91
MDD07	MDD07-040	39	40	5.23	X	0.263	0.02	0.014	0.035	67.12	0.01	0.68	0.22	0.27	0.035	X	0.015	5.9	16.53	99.64	0.937	0.01	2.3
MDD07	MDD07-041	40	41	4.94	X	0.236	0.022	0.014	0.037	68.68	X	0.78	0.22	0.27	0.043	X	0.015	5.65	15.78	99.72	0.915	0.013	2.05
MDD07	MDD07-042	41	42	4.61	X	0.171	0.03	0.016	0.034	70.69	X	0.63	0.21	0.2	0.053	X	0.02	5.36	15.58	100.52	0.882	0.016	1.96
MDD07	MDD07-043	42	43	4.44	X	0.12	0.022	0.019	0.037	71.73	X	0.73	0.23	0.16	0.045	X	0.02	5.28	14.81	100.19	0.843	0.012	1.65
MDD07	MDD07-044	43	44	4.38	X	0.14	0.016	0.019	0.039	69.87	0.01	0.73	0.28	0.16	0.03	X	0.029	5.3	16.75	100.39	0.824	0.011	1.76
MDD07	MDD07-045	44	45	4.89	X	0.097	0.015	0.035	0.027	67.47	0.01	0.41	0.21	0.15	0.016	X	0.036	5.84	17.84	100.55	0.935	0.014	2.54
MDD07	MDD07-046	45	46	4.41	X	0.101	0.02	0.039	0.028	71.26	X	0.48	0.22	0.12	0.03	X	0.045	5.08	15.62	100.58	0.864	0.024	2.23
MDD07	MDD07-047	46	47	4.7	X	0.104	0.024	0.044	0.034	69.63	X	0.25	0.16	0.12	0.045	X	0.044	5.39	15.9	100.04	0.867	0.019	2.69
MDD07	MDD07-048	47	48	5.49	X	0.095	0.02	0.056	0.021	68.31	X	0.33	0.17	0.13	0.028	0.001	0.03	6.36	15.96	100.45	0.869	0.018	2.53
MDD07	MDD07-049	48	49	4.87	X	0.216	0.026	0.059	0.038	71.24	X	0.55	0.21	0.24	0.06	X	0.035	5.67	14.49	100.57	0.804	0.022	1.99
MDD07	MDD07-050	49	50	5.11	X	0.157	0.026	0.081	0.031	69.62	0.01	0.54	0.19	0.21	0.053	X	0.031	6.01	15.12	100.43	0.837	0.017	2.36
MDD07	MDD07-051	50	51	5.28	X	0.075	0.025	0.094	0.021	68.42	X	0.91	0.19	0.1	0.048	X	0.02	6.09	15.8	100.08	0.861	0.021	2.08
MDD07	MDD07-052	51	51.3	4.71	0.01	0.109	0.025	0.115	0.025	70.07	X	1.06	0.24	0.16	0.049	X	0.012	5.62	15.6	100.57	0.851	0.026	1.83

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD07	***Met sample***	51.3	51.6																				
MDD07	MDD07-053	51.6	53	4	0.02	0.095	0.047	0.132	0.092	70.73	0.01	2.81	0.35	0.19	0.08	X	0.019	5.73	13.61	100.56	0.76	0.028	1.77
MDD07	MDD07-054	53	54	4.2	0.01	0.274	0.035	0.179	0.092	71.3	X	1.05	0.43	0.28	0.074	X	0.022	5.28	14.02	99.7	0.775	0.025	1.56
MDD07	MDD07-055	54	55	3.59	0.02	0.285	0.033	0.196	0.129	73.83	X	1.14	0.34	0.33	0.093	X	0.031	4.74	12.42	99.86	0.696	0.035	1.86
MDD07	MDD07-056	55	56	3.13	X	0.202	0.03	0.197	0.104	72.78	X	3.21	0.3	0.24	0.092	X	0.027	5.12	11.23	99.7	0.625	0.034	2.29
MDD07	MDD07-057	56	57	3.01	X	0.215	0.033	0.209	0.242	68.38	0.03	4.42	0.31	0.32	0.134	X	0.017	7.87	10.64	99.62	0.598	0.03	3.03
MDD07	MDD07-058	57	58	2.87	X	0.107	0.031	0.226	0.208	65.55	0.03	5.91	0.31	0.23	0.153	0.002	0.007	10.03	10.4	99.89	0.578	0.029	3.09
MDD07	MDD07-059	58	59	2.72	0.01	0.305	0.051	0.238	0.329	67.48	0.04	4.77	0.43	0.44	0.1	0.001	0.02	9.04	9.81	99.82	0.548	0.036	3.3
MDD07	MDD07-060	59	60	3.55	0.01	0.267	0.034	0.362	0.226	68.89	0.02	4.41	0.45	0.32	0.08	X	0.016	7.5	11.19	100.29	0.608	0.02	2.21
MDD07	MDD07-061	60	61	2.74	0.02	0.472	0.056	0.225	0.306	73.37	0.02	2.62	0.54	0.65	0.174	0.003	0.044	7.71	5.85	100.17	0.346	0.027	4.84
MDD07	MDD07-062	61	62	3.32	0.02	0.557	0.066	0.141	0.535	68.34	0.03	2.6	0.8	0.58	0.224	0.004	0.051	12.62	0.98	100.26	0.044	0.026	9.08
MDD07	MDD07-063	62	63	5.44	0.02	0.591	0.074	0.135	0.439	63.84	0.04	4.25	0.75	0.7	0.231	0.007	0.049	13.13	1.12	100.46	0.044	0.029	9.35
MDD07	MDD07-064	63	64	3.7	0.02	0.788	0.065	0.038	0.47	65.54	0.02	3.52	0.78	0.79	0.23	0.008	0.051	14.75	0.71	100.27	0.037	0.04	8.46
MDD07	MDD07-065	64	65	2.16	0.03	0.804	0.075	0.029	0.494	70.97	0.03	2.98	0.76	0.92	0.31	0.012	0.056	11.83	0.59	100.49	0.026	0.05	8.1
MDD07	MDD07-066	65	65.5	2.19	0.02	0.688	0.069	0.066	0.351	51.2	0.04	3.64	0.58	0.84	0.246	0.012	0.043	34.54	0.57	100.94	0.023	0.031	5.58
MDD08	MDD08-001	0	1	13.72	0.08	0.224	X	0.038	0.028	44.88	0.06	0.14	0.05	0.28	0.01	0.01	0.051	17.51	14.55	100.75	0.722	X	8.38
MDD08	MDD08-002	1	2	13.94	0.02	0.184	X	0.019	0.05	45.61	0.01	0.09	0.03	0.21	0.011	0.006	0.108	12.28	17.48	100.79	0.824	X	9.95
MDD08	MDD08-003	2	3	16.67	0.01	0.184	X	0.022	0.042	42.6	0.01	0.06	0.03	0.18	0.01	0.005	0.149	15.49	13.29	99.71	0.669	X	10.39
MDD08	MDD08-004	3	4	10.92	0.02	0.286	X	0.027	0.013	46.38	0.03	0.09	0.03	0.31	X	0.008	0.114	11.71	21.83	99.78	1.004	X	7.06
MDD08	MDD08-005	4	5	11.75	0.01	0.158	X	0.018	0.012	44.65	0.02	0.06	0.03	0.18	0.005	0.008	0.106	13.13	21.36	99.86	0.97	X	7.41
MDD08	MDD08-006	5	6	15.83	X	0.126	X	0.018	0.012	39.71	0.02	0.05	0.04	0.15	0.009	0.008	0.137	16.96	16.4	99.73	0.882	X	9.45
MDD08	MDD08-007	6	7	13.93	X	0.151	X	0.02	0.022	44	0.02	0.05	0.03	0.17	0.008	0.005	0.175	14.21	16.46	99.7	1.144	X	9.41
MDD08	MDD08-008	7	8	15.75	X	0.21	X	0.014	0.022	42.52	0.02	0.07	0.04	0.26	0.008	0.006	0.176	16.41	13.42	99.74	0.969	X	9.94
MDD08	MDD08-009	8	9	16.39	X	0.247	X	0.018	0.012	41.98	0.04	0.09	0.04	0.3	0.007	0.005	0.135	18.73	12.9	100.36	0.729	X	8.82
MDD08	MDD08-010	9	10	20.09	X	0.227	X	0.015	0.011	33.32	0.03	0.08	0.07	0.31	0.012	0.004	0.094	23.95	12.21	100.25	0.577	X	9.28
MDD08	MDD08-011	10	11	19.44	X	0.226	X	0.014	0.009	35.56	0.06	0.11	0.08	0.29	0.012	0.004	0.075	24.25	11.22	100.71	0.692	X	8.67
MDD08	MDD08-012	11	12	18.07	X	0.276	X	0.017	0.027	32.92	0.06	0.12	0.03	0.35	0.007	0.01	0.108	22.55	15.38	100.07	0.744	X	9.44
MDD08	MDD08-013	12	13	16.68	0.01	0.492	X	0.012	0.015	20.08	0.03	0.1	0.02	0.52	0.006	0.005	0.07	21.53	31.09	100.18	0.906	X	8.62
MDD08	MDD08-014	13	14	17.24	0.02	0.669	X	0.005	X	16.68	0.03	0.24	0.07	0.71	0.006	X	0.052	21.74	34.32	100.45	0.565	0.005	8.11
MDD08	MDD08-015	14	15	15.44	0.02	0.702	X	0.007	0.007	19.65	0.04	0.21	0.07	0.72	0.008	0.001	0.055	20.07	35.54	100.97	0.691	X	7.76
MDD08	MDD08-016	15	16	13.83	0.02	0.747	X	0.009	0.012	33	0.03	0.2	0.05	0.74	0.013	0.002	0.058	18.01	25.43	100.52	0.993	X	7.41
MDD08	MDD08-017	16	17	11.89	0.02	0.582	X	0.008	0.008	38.53	0.03	0.23	0.07	0.6	0.015	X	0.038	16.33	25.42	100.89	1.017	X	6.11
MDD08	MDD08-018	17	18	10.68	0.02	0.48	X	X	0.008	46.01	0.02	0.26	0.08	0.59	0.021	X	0.087	13.59	22.6	100.61	0.928	0.005	5.27
MDD08	MDD08-019	18	19	11.49	0.02	0.672	X	0.018	0.026	42.33	0.03	0.22	0.05	0.77	0.017	0.003	0.065	13.22	23.53	101.04	1.565	X	7.02
MDD08	MDD08-020	19	20	10.2	0.02	0.555	0.006	0.014	0.042	45.05	0.02	0.25	0.05	0.65	0.016	0.001	0.057	11.7	24.3	100.98	1.626	X	6.45
MDD08	MDD08-021	20	21	12.66	0.02	0.758	X	0.195	0.014	36.01	0.03	0.45	0.07	0.91	0.013	0.002	0.06	14.99	25.95	100.39	1.149	0.005	7.1
MDD08	MDD08-022	21	22	20.05	0.02	0.799	X	0.556	0.11	30.52	0.03	0.36	0.06	0.82	0.035	0.002	0.097	22.91	11.9	100.44	1.269	0.009	10.92
MDD08	MDD08-023	22	23	6.99	X	0.314	0.014	0.044	0.026	61.27	0.01	1.04	0.2	0.36	0.024	0.001	0.031	7.64	16.79	99.76	1.378	0.023	3.59
MDD08	MDD08-024	23	24	9.71	X	0.198	0.014	0.037	0.033	58.07	0.02	0.97	0.17	0.23	0.026	0.003	0.033	10.74	13.51	99.74	1.4	0.009	4.55
MDD08	MDD08-025	24	25	10.11	X	0.223	0.013	0.039	0.048	54.57	0.01	0.94	0.19	0.27	0.022	0.001	0.027	11.35	16.59	99.94	1.012	0.012	4.48
MDD08	MDD08-026	25	26	8.88	X	0.252	0.013	0.018	0.018	58.22	0.01	0.57	0.11	0.32	0.027	X	0.025	10.07	17.01	100.61	0.967	0.009	4.08
MDD08	MDD08-027	26	27	8.8	X	0.186	0.013	0.024	0.016	59.68	0.01	0.37	0.09	0.23	0.032	X	0.022	9.95	16.35	100.57	0.931	0.011	3.84
MDD08	MDD08-028	27	28	8.38	0.01	0.308	0.014	0.028	0.057	59.44	0.01	0.38	0.09	0.35	0.03	X	0.041	9.5	16.73	100.56	0.963	0.026	4.19
MDD08	MDD08-029	28	29	6.93	X	0.128	0.023	0.039	0.023	64.13	X	0.46	0.1	0.17	0.041	X	0.011	7.83	16.46	100.12	0.912	0.075	2.73
MDD08	MDD08-030	29	30	7.56	X	0.166	0.019	0.031	0.034	62.62	0.01	0.58	0.14	0.2	0.033	X	0.019	8.61	16.17	100.16	0.912	0.06	2.96
MDD08	MDD08-031	30	31	5.78	X	0.185	0.021	0.031	0.029	67.46	X	0.58	0.14	0.23	0.035	X	0.023	6.44	15.99	100.33	0.924	0.081	2.33
MDD08	MDD08-032	31	32	5.95	X	0.113	0.021	0.042	0.026	67.46	X	0.59	0.17	0.13	0.03	0.001	0.018	6.8	16.01	100.61	0.999	0.049	2.15
MDD08	MDD08-033	32	33	5.77	X	0.118	0.023	0.059	0.021	66.74	X	0.57	0.19	0.13	0.023	0.002	0.013	6.49	16.64	99.95	1.006	0.034	2.07
MDD08	MDD08-034	33	34	5.84	X	0.224	0.022	0.063	0.022	67.97	X	0.69	0.15	0.25	0.032	0.003	0.022	6.64	14.89	100.6	1.027	0.023	2.69
MDD08	MDD08-035	34	35	6.13	X	0.078	0.022	0.09	0.025	67.12	X	0.73	0.17	0.1	0.038	X	0.015	6.98	14.82	99.71	0.975	0.022	2.35
MDD08	MDD08-036	35	36	5.9	X	0.079	0.026	0.112	0.015	68.38	X	1.15	0.21	0.1	0.047	X	0.011	6.72	14.76	100.35	0.868	0.023	1.9
MDD08	MDD08-037	36	37	6.16	X	0.134	0.028	0.138	0.019	67.28	X	1.1	0.21	0.15	0.05	X	0.012	6.94	14.29	99.75	0.943	0.024	2.21

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD08	MDD08-038	37	38	5.06	X	0.251	0.033	0.182	0.03	69.52	0.01	1.03	0.24	0.31	0.057	0.002	0.027	5.62	14.16	100.1	1.039	0.025	2.45
MDD08	MDD08-039	38	39	4.48	X	0.291	0.036	0.221	0.045	72.12	X	0.98	0.27	0.31	0.066	0.003	0.032	4.84	12.91	99.98	1.097	0.024	2.18
MDD08	MDD08-040	39	40	4.92	X	0.327	0.037	0.321	0.059	72.22	0.01	1.09	0.27	0.36	0.078	0.003	0.041	5.53	11.75	100.4	0.876	0.022	2.45
MDD08	MDD08-041	40	41	4.85	0.01	0.467	0.03	0.628	0.059	73.04	0.01	1.13	0.28	0.44	0.077	0.004	0.045	5.51	10.51	100.21	0.681	0.017	2.38
MDD08	MDD08-042	41	42	8.43	0.02	0.568	0.026	0.104	0.119	72.12	0.02	0.43	0.16	0.66	0.083	0.006	0.054	10.97	1.66	100.71	0.151	0.008	5.1
MDD08	MDD08-043	42	43	7.28	0.02	0.702	0.039	0.062	0.155	74.25	0.02	0.44	0.2	0.71	0.137	0.011	0.073	9.15	1.41	100.5	0.224	0.019	5.54
MDD08	MDD08-044	43	44	4.78	0.02	0.788	0.067	0.034	0.306	78.48	0.01	0.35	0.45	0.77	0.233	0.007	0.103	6.46	1.02	100.31	0.047	0.036	6.22
MDD08	MDD08-045	44	45	3.86	0.02	0.804	0.072	0.023	0.194	79.7	0.02	0.41	0.73	0.72	0.262	0.008	0.081	5.61	1.02	100.49	0.03	0.04	6.73
MDD08	MDD08-046	45	46	3.29	0.03	0.699	0.094	0.026	0.278	80.01	0.03	0.37	1.56	0.93	0.274	0.005	0.092	4.91	0.92	100.5	0.033	0.05	6.67
MDD08	MDD08-047	46	47	5.21	0.03	0.661	0.218	0.043	0.381	66.34	0.04	1.84	1.5	1.01	0.291	0.012	0.08	13.35	0.93	100.45	0.044	0.033	8.11
MDD08	MDD08-048	47	48	3.41	0.02	0.61	0.073	0.023	0.321	55.44	0.03	1.15	0.62	0.64	0.212	0.017	0.053	30.96	0.82	100.61	0.023	0.021	5.97
MDD08	MDD08-049	48	49	3.52	0.01	0.209	0.073	0.023	0.296	48.75	0.13	7.91	0.55	1.1	0.265	0.009	0.028	30.28	0.89	100.17	0.024	0.031	5.87
MDD08	MDD08-050	49	50	2.95	0.02	0.297	0.099	0.014	0.314	44.6	0.12	7.53	0.63	1.15	0.29	0.012	0.036	34.96	0.74	99.94	0.021	0.033	5.91
MDD08	MDD08-051	50	51	2.36	0.02	0.36	0.092	0.012	0.292	40.13	0.08	9.68	0.56	0.85	0.308	0.019	0.031	39.19	0.76	100.38	0.017	0.039	5.33
MDD08	MDD08-052	51	52	2.72	0.02	0.486	0.11	0.034	0.391	59.42	0.03	3.38	0.55	0.83	0.378	0.018	0.06	23.67	0.88	100.34	0.026	0.04	7.03
MDD08	MDD08-053	52	53	3.62	0.02	0.753	0.147	0.138	0.38	73.17	0.03	0.49	1.32	0.81	0.404	0.011	0.068	8.69	0.96	100.27	0.043	0.05	8.84
MDD08	MDD08-054	53	54.2	9.5	0.02	0.544	0.093	0.982	0.411	58.38	0.05	1.46	0.7	0.71	0.295	0.026	0.054	16.09	2.37	100.04	0.109	0.046	7.94
MDD09	MDD09-001	0	1	4.01	0.02	0.087	X	0.019	0.017	66.09	X	0.13	0.14	0.09	0.006	0.009	0.082	2.8	19.68	100.17	1.105	0.014	5.88
MDD09	MDD09-002	1	2	4.5	X	0.15	X	0.016	0.029	67.37	X	0.07	0.16	0.15	0.005	0.011	0.15	1.47	16.8	99.81	1.033	0.018	7.95
MDD09	MDD09-003	2	3	12.73	X	0.192	X	0.034	0.017	53.24	0.01	0.07	0.06	0.18	0.005	0.015	0.254	9.7	11.86	100.22	0.708	X	11.34
MDD09	MDD09-004	3	4	11.81	X	0.222	X	0.012	0.041	59.44	0.01	0.04	0.08	0.22	0.009	0.017	0.235	8.96	7.25	99.99	0.445	0.005	11.35
MDD09	MDD09-005	4	5	13.73	X	0.214	X	0.016	0.035	52.67	0.02	0.06	0.11	0.23	0.011	0.017	0.199	11.96	9.24	99.6	0.648	0.005	10.57
MDD09	MDD09-006	5	6	12.88	X	0.185	X	0.017	0.031	45.66	0.03	0.06	0.1	0.19	0.008	0.012	0.162	25.53	4.9	99.85	0.451	X	9.73
MDD09	MDD09-007	6	7	16.24	0.01	0.254	X	0.025	0.013	42.59	0.04	0.12	0.02	0.32	0.008	0.008	0.106	28.45	1.57	100.41	0.306	X	10.41
MDD09	MDD09-008	7	8	14.08	X	0.142	X	0.019	0.021	49.71	0.04	0.13	0.16	0.16	0.009	0.005	0.07	19.34	7.73	99.95	0.452	0.011	7.9
MDD09	MDD09-009	8	9	12.08	X	0.127	X	0.016	0.027	58.78	0.02	0.15	0.22	0.13	0.012	0.004	0.05	12.53	8.85	100.14	0.591	0.013	6.54
MDD09	MDD09-010	9	10	11.02	X	0.121	X	0.022	0.028	63.88	0.02	0.12	0.13	0.13	0.01	0.013	0.078	9.82	6.19	100.75	0.699	0.008	8.46
MDD09	MDD09-011	10	11	14.72	X	0.109	X	0.023	0.022	51.7	0.07	0.12	0.15	0.16	0.013	0.005	0.046	17.56	7.18	100.78	0.486	0.013	8.39
MDD09	MDD09-012	11	12	8.46	X	0.171	0.008	0.013	0.033	63.82	0.08	0.39	0.21	0.21	0.021	0.003	0.033	10.41	10.28	99.83	0.611	0.024	5.02
MDD09	MDD09-013	12	13	5.76	X	0.178	0.008	0.011	0.018	69.26	0.01	0.58	0.28	0.2	0.021	0.003	0.022	6.71	13.32	99.48	0.78	0.021	2.24
MDD09	MDD09-014	13	14	5.8	X	0.14	0.009	0.011	0.017	68.76	0.01	0.68	0.3	0.14	0.022	0.002	0.017	7.19	13.91	99.61	0.783	0.017	1.75
MDD09	MDD09-015	14	15	6.57	X	0.15	0.009	0.019	0.02	66.29	0.03	0.76	0.3	0.2	0.021	0.002	0.024	8.85	13.08	99.41	0.742	0.014	2.3
MDD09	MDD09-016	15	16	5.18	X	0.239	0.01	0.01	0.006	71.31	0.02	1.03	0.32	0.24	0.023	0.002	0.024	6.71	13.25	100.58	0.759	0.015	1.41
MDD09	MDD09-017	16	17	4.96	X	0.18	0.01	0.016	0.013	71.24	0.02	1.02	0.32	0.2	0.023	0.002	0.026	6.27	13.14	99.61	0.758	0.013	1.36
MDD09	MDD09-018	17	18	5.61	X	0.212	0.011	0.013	0.019	69.03	0.02	1.02	0.32	0.2	0.026	0.002	0.027	7.05	13.99	100.32	0.742	0.014	1.98
MDD09	MDD09-019	18	19	5.84	X	0.167	0.008	0.018	0.024	67.95	0.02	0.8	0.31	0.2	0.02	0.002	0.025	7.02	14.39	99.67	0.793	0.015	2.03
MDD09	MDD09-020	19	20	5	X	0.13	0.009	0.016	0.023	70	0.02	0.84	0.32	0.16	0.024	0.001	0.019	6.03	14.88	99.71	0.82	0.015	1.37
MDD09	MDD09-021	20	21	4.41	X	0.153	0.008	0.022	0.014	71.37	0.03	0.65	0.31	0.18	0.019	0.001	0.018	5.68	15.22	100.12	0.846	0.018	1.14
MDD09	MDD09-022	21	22	8.54	X	0.199	0.007	0.023	0.02	59.04	0.32	0.29	0.26	0.28	0.016	0.002	0.026	14.68	12.48	99.77	0.683	0.016	2.86
MDD09	MDD09-023	22	23	5.02	X	0.116	0.009	0.032	0.016	71.19	0.04	0.6	0.3	0.15	0.026	0.002	0.016	6.07	14.79	100.45	0.844	0.016	1.16
MDD09	MDD09-024	23	24	4.98	X	0.103	0.009	0.035	0.015	70.97	0.01	0.72	0.29	0.11	0.027	0.001	0.016	5.91	14.99	100.32	0.822	0.016	1.24
MDD09	MDD09-025	24	25	5.18	X	0.071	0.008	0.051	0.008	70.66	0.01	0.78	0.29	0.1	0.026	X	0.015	6.15	14.77	100.28	0.823	0.017	1.28
MDD09	MDD09-026	25	26	5.15	X	0.112	0.008	0.062	0.011	70.76	0.01	1.11	0.32	0.14	0.025	X	0.015	6.27	14.2	100.38	0.797	0.015	1.33
MDD09	MDD09-027	26	27	5.02	X	0.124	0.01	0.119	0.026	70.86	0.02	0.85	0.33	0.17	0.024	0.001	0.019	6.12	14.47	100.63	0.775	0.022	1.62
MDD09	MDD09-028	27	28	4.79	X	0.198	0.015	0.175	0.034	72.66	0.02	0.9	0.32	0.29	0.046	0.002	0.021	5.94	13.28	100.88	0.766	0.021	1.34
MDD09	MDD09-029	28	29	3.99	X	0.288	0.012	0.212	0.026	74.67	0.01	1.27	0.34	0.32	0.035	0.001	0.027	5	12.68	100.59	0.726	0.016	0.92
MDD09	MDD09-030	29	30	5	0.01	0.346	0.012	0.364	0.049	72.44	0.03	0.89	0.31	0.36	0.032	0.003	0.029	6.49	10.84	100	0.612	0.021	2.13
MDD09	MDD09-031	30	31	9.94	0.01	0.472	0.007	0.116	0.095	67.21	0.03	0.21	0.1	0.56	0.021	0.004	0.046	12.62	2.93	99.78	0.136	0.019	5.24
MDD09	MDD09-032	31	32	10.41	0.02	0.653	0.005	0.054	0.133	65.72	0.03	0.36	0.1	0.71	0.03	0.006	0.061	13.09	1.8	100.08	0.059	0.015	6.82
MDD09	MDD09-033	32	33	15.55	0.02	0.62	0.005	0.036	0.135	52.35	0.03	0.28	0.1	0.79	0.034	0.018	0.07	19.07	1.38	100.07	0.059	0.014	9.47
MDD09	MDD09-034	33	34	11.87	0.02	0.772	0.007	0.051	0.175	56.02	0.03	1.55	0.27	0.87	0.043	0.024	0.07	18.6	1.45	99.56	0.051	0.008	7.6
MDD09	MDD09-035	34	35	11.32	0.02	0.612	0.107	0.604	0.433	49.23	0.07	3.33	1.31	0.79	0.108	0.046	0.053	21.51	2.4	100.13	0.076	0.017	7.69

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD09	MDD09-036	35	36	5.9	0.02	0.388	0.035	0.877	0.439	37.59	0.07	10.46	0.35	1	0.177	0.039	0.039	33.74	2.02	99.67	0.058	0.029	6.2
MDD09	MDD09-037	36	37	4.78	0.02	0.71	0.055	0.713	0.264	34.3	0.07	9.29	0.51	1.16	0.355	0.026	0.044	39.83	1.68	100.27	0.05	0.03	6.12
MDD09	MDD09-038	37	38	7.8	0.02	0.384	0.073	0.836	0.211	35.89	0.1	13.84	0.85	1.2	0.458	0.015	0.027	28.66	1.91	100.1	0.055	0.039	7.43
MDD09	MDD09-039	38	39.2	5.02	0.04	0.308	0.056	0.877	0.166	33.17	0.12	11.93	0.59	1.07	0.389	0.007	0.023	38.12	1.86	100.03	0.052	0.031	5.97
MDD10	MDD10-001	0	1	7.38	0.01	0.117	0.007	0.103	0.021	67.56	0.01	0.74	0.23	0.12	0.027	0.005	0.044	6.43	13.07	100.46	0.768	0.01	3.79
MDD10	MDD10-002	1	2	6.17	X	0.108	0.006	0.109	0.013	68.86	X	0.78	0.26	0.1	0.031	0.002	0.042	6.57	13.94	100.5	0.814	0.009	2.65
MDD10	MDD10-003	2	3	8.28	X	0.155	0.009	0.121	0.033	64.63	X	0.5	0.18	0.15	0.031	0.004	0.09	8.24	12.54	100.49	0.792	0.013	4.74
MDD10	MDD10-004	3	4	7.83	X	0.185	0.012	0.125	0.065	64.47	0.02	0.22	0.08	0.21	0.018	0.008	0.18	6.23	12.49	100.42	0.623	0.014	7.75
MDD10	MDD10-005	4	5	6.64	X	0.13	0.011	0.17	0.036	70.03	X	0.25	0.13	0.13	0.022	0.005	0.106	6.44	10.94	100.5	0.672	0.014	4.82
MDD10	MDD10-006	5	6	9.16	X	0.111	0.009	0.224	0.064	65.45	X	0.15	0.12	0.12	0.027	0.005	0.146	8.75	9.57	100.76	0.592	0.013	6.32
MDD10	MDD10-007	6	7	12.5	X	0.172	0.007	0.224	0.078	62.22	0.01	0.21	0.12	0.19	0.032	0.007	0.18	11.83	4.69	100.85	0.318	0.01	8.15
MDD10	MDD10-008	7	8	15.47	X	0.165	0.006	0.075	0.119	56.42	0.02	0.25	0.07	0.22	0.042	0.009	0.161	15.49	1.25	99.94	0.086	0.006	10.16
MDD10	MDD10-009	8	9	16.25	X	0.191	0.006	0.066	0.137	54.24	0.03	0.22	0.06	0.24	0.047	0.017	0.108	16.83	0.99	100.49	0.072	0.006	10.99
MDD10	MDD10-010	9	10	12.74	X	0.336	0.008	0.049	0.168	61.85	0.04	0.26	0.07	0.4	0.058	0.016	0.1	12.81	1.05	100	0.06	0.006	9.96
MDD10	MDD10-011	10	11	10.67	X	0.357	0.007	0.036	0.137	66.46	0.05	0.27	0.07	0.41	0.06	0.016	0.098	10.86	1.01	100.15	0.054	0.007	9.59
MDD10	MDD10-012	11	12	9.79	X	0.333	0.007	0.05	0.118	68.65	0.05	0.26	0.05	0.41	0.077	0.017	0.095	9.32	0.87	100.19	0.093	0.007	9.99
MDD10	MDD10-013	12	13	8.95	X	0.296	0.011	0.036	0.172	70.24	0.02	0.2	0.08	0.37	0.083	0.018	0.121	8.27	0.98	100.49	0.046	0.008	10.59
MDD10	MDD10-014	13	14	15.4	0.01	0.497	X	0.042	0.095	53.79	0.04	0.17	0.05	0.59	0.023	0.007	0.1	18.3	0.96	100.55	0.045	X	10.46
MDD10	MDD10-015	14	15	14.7	0.02	0.532	0.005	0.04	0.112	56.32	0.03	0.21	0.11	0.62	0.028	0.007	0.099	16.67	1.32	100.67	0.038	X	9.84
MDD10	MDD10-016	15	16	14.1	0.02	0.529	0.007	0.091	0.082	57.4	0.03	0.35	0.12	0.66	0.041	0.004	0.087	16.64	1.75	100.47	0.06	0.006	8.53
MDD10	MDD10-017	16	17	18.47	0.02	0.513	X	0.392	0.095	45.58	0.03	0.19	0.13	0.69	0.026	0.003	0.074	21.66	2.79	100.45	0.107	0.008	9.7
MDD10	MDD10-018	17	18	18.43	0.02	0.468	X	0.596	0.097	44.53	0.03	0.21	0.15	0.65	0.02	0.004	0.074	22.36	3.22	100.58	0.121	0.008	9.58
MDD10	MDD10-019	18	19	15.94	0.02	0.763	0.005	0.705	0.209	48.52	0.03	0.19	0.16	0.82	0.054	0.004	0.103	19.13	2.57	100.15	0.086	0.009	10.82
MDD10	MDD10-020	19	20	16.56	0.02	0.591	0.006	0.82	0.197	48.02	0.03	0.28	0.12	0.74	0.059	0.005	0.105	19.65	1.61	100.34	0.064	0.009	11.47
MDD11	MDD11-001	0	1	8.28	0.04	0.23	X	0.197	0.014	66.62	0.02	0.2	0.08	0.26	0.01	0.009	0.056	8.09	9.59	100.08	0.655	X	5.72
MDD11	MDD11-002	1	1.7	6.49	0.02	0.169	X	0.442	0.028	63.5	0.01	0.14	0.05	0.2	X	0.012	0.118	3.53	14	99.43	0.669	X	10.1
MDD11	***Met sample***	2	2.4																				
MDD11	MDD11-003	2	3	8.55	0.01	0.162	X	0.809	0.044	69.34	0.02	0.17	0.06	0.17	0.015	0.01	0.153	5.65	4.08	99.61	0.272	0.005	10.19
MDD11	MDD11-004	3	4	11.68	X	0.123	X	0.854	0.052	60.91	0.02	0.12	0.03	0.19	0.013	0.012	0.207	9.11	4.23	100.55	0.408	X	12.72
MDD11	MDD11-005	4	5	7.22	X	0.217	0.006	0.817	0.078	67.31	0.02	0.2	0.09	0.19	0.023	0.009	0.141	6.25	7.68	100.42	0.33	0.007	9.89
MDD11	MDD11-006	5	6	7.41	X	0.205	0.009	0.517	0.103	69.55	0.02	0.38	0.12	0.21	0.034	0.009	0.176	5.85	6.92	100.12	0.298	0.011	8.4
MDD11	MDD11-007	6	7	6.81	X	0.156	0.012	0.075	0.028	67.92	0.01	1.06	0.23	0.18	0.027	0.003	0.053	6.47	13.2	100.52	0.75	0.012	3.52
MDD11	MDD11-008	7	8	7.56	X	0.215	0.014	0.083	0.033	67.75	0.19	0.89	0.21	0.24	0.025	0.003	0.285	5.06	12.52	100.18	0.703	0.016	4.6
MDD11	MDD11-009	8	9	7.75	X	0.145	0.012	0.211	0.055	64.83	0.1	0.84	0.2	0.17	0.023	0.003	0.164	7.84	12.52	100.09	0.76	0.014	4.56
MDD11	MDD11-010	9	10	9.52	X	0.225	0.008	0.265	0.04	62.63	0.02	0.64	0.16	0.26	0.024	0.008	0.101	8.65	10.45	100.4	0.805	0.007	6.61
MDD11	MDD11-011	10	11	6.12	X	0.106	0.009	0.083	0.026	68.01	0.01	0.87	0.22	0.14	0.033	0.002	0.025	6.77	14.29	100.28	0.784	0.007	2.74
MDD11	MDD11-012	11	12	5.61	X	0.112	0.012	0.1	0.037	69.25	0.01	0.59	0.15	0.17	0.028	0.004	0.036	5.98	14.32	100.41	0.784	0.009	3.18
MDD11	MDD11-013	12	13	8.29	X	0.081	0.014	0.099	0.035	63.31	0.01	0.38	0.11	0.14	0.023	0.005	0.049	8.46	13.84	100.64	0.804	0.013	4.97
MDD11	MDD11-014	13	14	10.32	X	0.224	0.007	0.117	0.027	58.8	0.04	0.2	0.08	0.27	0.018	0.006	0.125	10.22	12.2	100.01	0.674	0.01	6.76
MDD11	MDD11-015	14	15	7.07	X	0.21	0.014	0.06	0.021	60.24	0.18	0.24	0.08	0.25	0.022	0.002	0.281	7.02	19.19	100.14	0.89	0.014	4.58
MDD11	MDD11-016	15	16	5.92	X	0.144	0.016	0.043	0.015	65.75	0.07	0.41	0.12	0.17	0.033	X	0.123	6.16	16.6	99.46	0.893	0.032	3.03
MDD11	MDD11-017	16	17	5.73	X	0.101	0.015	0.053	0.013	66.94	X	0.61	0.15	0.13	0.037	0.001	0.041	6.12	16.33	99.91	0.898	0.018	2.7
MDD11	MDD11-018	17	18	5.35	X	0.098	0.012	0.065	0.031	68.55	X	0.64	0.17	0.11	0.033	0.001	0.047	5.77	15.18	99.25	0.844	0.022	2.31
MDD11	MDD11-019	18	19	7.87	X	0.158	0.011	0.074	0.026	64.49	0.01	0.68	0.14	0.2	0.032	0.003	0.062	8.67	12.8	99.78	0.744	0.022	3.79
MDD11	MDD11-020	19	20	5.38	X	0.29	0.012	0.067	0.025	71.38	0.02	0.82	0.15	0.29	0.038	0.004	0.075	5.97	11.58	99.73	0.686	0.016	2.94
MDD11	MDD11-021	20	21	5.09	X	0.181	0.016	0.079	0.019	70.51	0.01	0.61	0.14	0.19	0.037	0.004	0.045	5.76	13.85	99.73	0.766	0.02	2.38
MDD11	MDD11-022	21	22	5.26	X	0.085	0.017	0.099	0.019	70.34	X	0.82	0.19	0.11	0.044	0.001	0.03	5.82	14.95	100.5	0.832	0.021	1.82
MDD11	MDD11-023	22	23	4.73	X	0.093	0.014	0.115	0.018	72.03	X	1.02	0.2	0.11	0.044	0.002	0.038	5.13	14.44	100.61	0.821	0.023	1.76
MDD11	MDD11-024	23	24	5.09	X	0.132	0.013	0.131	0.033	70.82	0.01	1.25	0.22	0.16	0.042	0.004	0.043	5.64	13.59	100.16	0.773	0.016	2.16
MDD11	MDD11-025	24	25	5.45	X	0.187	0.016	0.168	0.034	70.61	0.01	1.08	0.22	0.2	0.046	0.004	0.035	6.27	12.77	100.14	0.729	0.017	2.25
MDD11	MDD11-026	25	26	11.42	0.01	0.442	0.011	0.281	0.074	59.37	0.03	0.46	0.17	0.49	0.053	0.008	0.107	12.73	7.73	100.06	0.427	0.014	6.26
MDD11	MDD11-027	26	27	8.8	X	0.397	0.011	0.507	0.106	67.7	0.03	0.6	0.21	0.42	0.068	0.01	0.112	9.82	5.69	100.86	0.237	0.013	6.14

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD11	MDD11-028	27	28	17.05	0.02	0.614	0.006	0.189	0.103	50.84	0.03	0.16	0.08	0.68	0.045	0.005	0.138	19.2	1.29	100.77	0.065	0.01	10.32
MDD11	MDD11-029	28	29	13.77	0.02	0.565	0.009	0.138	0.105	59.32	0.02	0.2	0.08	0.68	0.044	0.006	0.11	16.03	1.41	100.85	0.062	0.011	8.31
MDD11	MDD11-030	29	30	21.93	0.02	0.589	X	0.35	0.152	35.29	0.02	0.15	0.06	0.77	0.028	0.008	0.129	24.97	2.39	100.1	0.066	0.009	13.2
MDD11	MDD11-031	30	31	27.85	0.01	0.508	X	0.719	0.156	22.76	0.03	0.15	0.04	0.72	0.027	0.019	0.087	31.68	1.94	100.61	0.045	0.014	13.84
MDD11	MDD11-032	31	32	20.19	0.01	0.62	0.018	1.604	0.156	39.14	0.03	0.39	0.14	0.74	0.091	0.009	0.079	23.4	2.87	100.35	0.1	0.027	10.69
MDD11	MDD11-033	32	33	11.31	X	0.536	0.029	2.137	0.137	59.88	0.03	0.57	0.23	0.58	0.218	0.011	0.066	13.62	2.62	100.23	0.111	0.031	8.01
MDD11	MDD11-034	33	34	11.47	0.01	0.649	0.028	2.009	0.105	59.22	0.03	0.78	0.21	0.64	0.225	0.009	0.06	14.05	2.51	99.84	0.102	0.035	7.6
MDD11	MDD11-035	34	34.7	10.64	X	0.46	0.027	2.483	0.12	63.02	0.02	0.78	0.22	0.51	0.216	0.009	0.048	12.51	2.83	100.17	0.11	0.033	6.01
MDD12	MDD12-001	0	1	16.53	0.04	0.31	X	0.081	0.01	54.17	0.02	0.11	0.07	0.35	0.013	0.011	0.043	7.48	13.87	99.53	0.787	X	5.61
MDD12	MDD12-002	1	2	9.8	0.04	0.161	X	0.026	0.014	52.89	0.02	0.09	0.06	0.21	0.007	0.011	0.074	8.82	18.73	99.63	0.836	X	7.86
MDD12	MDD12-003	2	3	11.17	0.03	0.271	X	0.02	0.014	53.22	0.02	0.1	0.05	0.28	0.006	0.014	0.127	8.99	15.16	99.87	0.791	X	9.66
MDD12	MDD12-004	3	4	10.3	0.04	0.421	X	0.022	0.019	52.63	0.04	0.13	0.05	0.43	0.007	0.015	0.139	9.1	16.77	100.42	0.85	X	9.51
MDD12	MDD12-005	4	5	12.64	0.02	0.345	X	0.016	0.022	51.31	0.03	0.11	0.08	0.4	0.011	0.011	0.151	12.38	13.07	99.99	0.667	0.005	8.81
MDD12	MDD12-006	5	6	16.19	0.01	0.316	X	0.013	0.022	44.97	0.04	0.15	0.09	0.37	0.014	0.008	0.138	16.92	10.15	100.01	0.581	0.005	10.11
MDD12	MDD12-007	6	7	12.86	X	0.255	X	0.012	0.044	52.43	0.08	0.25	0.09	0.31	0.014	0.006	0.076	14.8	10.47	100.23	0.685	0.007	7.85
MDD12	MDD12-008	7	8	15.29	0.01	0.357	X	0.012	0.028	40.81	0.07	0.31	0.09	0.44	0.011	0.004	0.058	18.26	15.27	100.03	0.575	0.008	8.44
MDD12	MDD12-009	8	9	15.14	0.01	0.304	X	0.011	0.017	38.16	0.07	0.32	0.11	0.44	0.01	0.003	0.049	18.48	18.79	100.58	0.718	0.01	7.92
MDD12	MDD12-010	9	10	15.11	0.01	0.357	0.005	0.012	0.015	39.06	0.09	0.29	0.1	0.48	0.011	0.003	0.048	18.43	17.7	100.41	0.863	0.009	7.82
MDD12	MDD12-011	10	11	12.19	0.01	0.255	0.006	0.012	0.021	45.68	0.08	0.3	0.1	0.38	0.015	0.003	0.038	14.88	18.84	100.88	1.11	0.009	6.93
MDD12	MDD12-012	11	12	11.57	0.01	0.239	X	0.015	0.022	46.9	0.06	0.3	0.09	0.38	0.012	0.002	0.041	13.69	19.12	100.53	1.242	0.007	6.82
MDD12	MDD12-013	12	13	16.05	0.01	0.357	X	0.016	0.045	33.59	0.07	0.25	0.07	0.56	0.012	0.006	0.058	18.49	21.12	100.72	1.175	0.006	8.82
MDD12	MDD12-014	13	14	12.61	0.01	0.298	0.006	0.014	0.026	46.3	0.07	0.43	0.11	0.43	0.02	0.004	0.048	14.62	18.06	100.68	0.819	0.009	6.79
MDD12	MDD12-015	14	15	8.9	X	0.282	X	0.011	0.057	54.17	0.06	0.26	0.15	0.35	0.012	0.006	0.059	10.69	17.25	99.37	0.829	0.007	6.27
MDD12	MDD12-016	15	16	5.66	0.01	0.315	X	0.007	0.079	64.72	0.02	0.25	0.17	0.35	0.012	0.005	0.062	6.48	15.18	99.53	1.138	0.008	5.06
MDD12	MDD12-017	16	17	8.73	0.01	0.37	X	0.011	0.054	57.18	0.04	0.26	0.14	0.45	0.013	0.008	0.059	10.05	15.3	99.49	1.041	0.005	5.77
MDD12	MDD12-018	17	18	8.85	X	0.292	0.005	0.014	0.038	55.52	0.05	0.34	0.13	0.36	0.023	0.005	0.044	10.73	16.93	99.53	0.88	0.005	5.3
MDD12	MDD12-019	18	19	6.56	X	0.213	0.006	0.009	0.019	65.39	0.03	0.55	0.13	0.27	0.023	0.003	0.026	8.1	14.17	99.54	0.91	0.007	3.1
MDD12	MDD12-020	19	20	6.7	X	0.156	0.005	0.014	0.028	66.01	0.03	0.46	0.15	0.2	0.021	0.004	0.022	7.66	13.51	99.89	1.224	0.009	3.64
MDD12	MDD12-021	20	21	5.26	X	0.144	0.007	0.021	0.05	70.99	0.02	0.53	0.16	0.16	0.027	0.006	0.023	5.97	12.49	100.52	1.529	0.012	3.06
MDD12	MDD12-022	21	22	4.59	X	0.165	X	0.011	0.118	70.84	0.02	0.57	0.17	0.22	0.017	0.016	0.031	5	12.26	100.59	2.271	0.012	4.2
MDD12	MDD12-023	22	23	5.02	X	0.131	0.005	0.008	0.128	71.59	0.02	0.8	0.14	0.18	0.021	0.056	0.022	5.37	9.78	99.66	2.111	0.01	4.12
MDD12	MDD12-024	23	24	5.24	X	0.125	0.008	0.009	0.049	71.14	0.02	0.93	0.16	0.16	0.025	0.01	0.019	5.98	12.37	100.46	1.335	0.014	2.81
MDD12	MDD12-025	24	25	6.9	X	0.164	0.009	0.014	0.05	65.23	0.02	1	0.19	0.19	0.026	0.007	0.027	8.03	14.51	100.06	0.77	0.019	2.85
MDD12	MDD12-026	25	26	6.5	X	0.219	0.011	0.014	0.039	66.17	0.02	1	0.21	0.23	0.031	0.004	0.026	7.41	14.75	100	0.843	0.022	2.46
MDD12	MDD12-027	26	27	5.51	X	0.191	0.007	0.018	0.042	67.94	0.02	0.95	0.27	0.19	0.023	0.004	0.036	6.25	15.07	99.91	0.893	0.021	2.42
MDD12	MDD12-028	27	28	4.38	X	0.102	0.01	0.021	0.009	71.49	X	1.32	0.31	0.11	0.037	X	0.014	5.02	15.61	100.32	0.875	0.018	0.94
MDD12	MDD12-029	28	29	5.17	X	0.134	0.007	0.023	0.04	69.71	0.01	0.88	0.27	0.15	0.029	0.008	0.035	5.89	14.02	99.9	0.875	0.019	2.58
MDD12	MDD12-030	29	30	5.66	X	0.143	0.008	0.037	0.04	68.08	0.03	0.66	0.27	0.19	0.02	0.005	0.036	6.47	15.43	100.68	0.854	0.023	2.69
MDD12	MDD12-031	30	31	6.36	0.01	0.228	0.006	0.059	0.036	66.3	0.02	0.64	0.28	0.26	0.009	0.004	0.054	7.28	14.72	100.18	0.784	0.02	3.1
MDD12	MDD12-032	31	32	7.37	0.01	0.254	0.011	0.054	0.09	66.06	0.02	0.48	0.26	0.33	0.017	0.008	0.078	8.73	11.11	100.33	0.722	0.016	4.69
MDD12	MDD12-033	32	33	5.46	X	0.115	0.01	0.073	0.021	69.27	0.01	0.96	0.29	0.13	0.028	0.002	0.018	6.42	14.39	99.95	0.82	0.016	1.86
MDD12	MDD12-034	33	34	5.81	X	0.107	0.01	0.097	0.017	68.78	0.01	0.92	0.29	0.13	0.022	0.001	0.017	6.92	14.64	100.51	0.847	0.017	1.81
MDD12	MDD12-035	34	35	6.21	X	0.138	0.011	0.142	0.02	67.71	0.01	1.19	0.31	0.18	0.022	0.001	0.02	7.37	13.86	100.21	0.775	0.014	2.19
MDD12	MDD12-036	35	36	5.58	X	0.334	0.015	0.365	0.056	70.96	0.02	1.51	0.36	0.33	0.04	0.005	0.036	6.62	11.08	100.55	0.665	0.01	2.51
MDD12	MDD12-037	36	37	14.53	0.01	0.606	0.007	0.277	0.161	53.95	0.03	0.16	0.08	0.65	0.064	0.017	0.122	16.56	2.45	100.22	0.195	0.009	10.34
MDD12	MDD12-038	37	38	12.47	0.02	0.694	0.006	0.156	0.065	62.5	0.03	0.26	0.07	0.73	0.03	0.006	0.086	14.88	1.18	100.56	0.062	X	7.36
MDD12	MDD12-039	38	39	11.77	0.02	0.662	0.016	0.065	0.112	62.67	0.02	0.29	0.14	0.67	0.076	0.014	0.111	13.81	1.15	100.4	0.04	0.007	8.78
MDD12	MDD12-040	39	39.4	12.02	0.01	0.46	0.008	0.093	0.094	62.71	0.03	0.2	0.09	0.53	0.037	0.022	0.089	15.01	1.23	100.9	0.048	0.006	8.19
MDD13	MDD13-001	0	1	15.59	0.06	0.194	X	0.105	0.015	53.07	0.02	0.14	0.09	0.22	0.006	0.005	0.058	17.83	3.41	99.65	0.383	0.011	8.47
MDD13	MDD13-002	1	2	15.47	0.03	0.324	X	0.412	0.022	50.74	0.03	0.19	0.07	0.39	0.018	0.007	0.093	19.44	2.63	99.74	0.175	0.008	9.75
MDD13	MDD13-003	2	3	10.36	0.03	0.293	0.006	0.429	0.022	55.92	0.03	0.27	0.11	0.39	0.04	0.007	0.115	18.46	4.16	99.57	0.175	0.014	8.8
MDD13	MDD13-004	3	4	8.77	0.02	0.185	0.007	0.257	0.025	60.09	0.02	0.31	0.17	0.26	0.03	0.008	0.086	15.01	7.32	99.47	0.41	0.017	6.5

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD13	MDD13-005	4	5	8.15	0.02	0.293	0.007	0.524	0.043	53.53	0.05	0.34	0.14	0.47	0.057	0.006	0.104	21.45	6.43	99.9	0.187	0.012	8.13
MDD13	MDD13-006	5	6	6.73	0.01	0.233	0.009	0.169	0.027	63.45	0.04	0.33	0.29	0.31	0.029	0.004	0.061	12.84	9.5	99.52	0.372	0.014	5.11
MDD13	MDD13-007	6	7	9.35	0.02	0.752	0.018	0.132	0.037	61.15	0.16	0.19	0.34	0.71	0.078	0.005	0.117	14.95	1.57	100.48	0.065	0.037	10.83
MDD13	MDD13-008	7	8	15.28	0.02	0.625	0.007	0.26	0.027	46.39	0.06	0.24	0.12	0.71	0.04	0.005	0.126	21.94	3.62	100.11	0.122	0.015	10.58
MDD13	MDD13-009	8	9	11.64	0.02	0.607	0.006	0.236	0.032	56.17	0.03	0.21	0.13	0.64	0.043	0.005	0.145	15.69	3.99	100.12	0.137	0.014	10.47
MDD13	MDD13-010	9	10	14.28	0.02	0.754	0.009	0.079	0.028	49.74	0.04	0.19	0.14	0.73	0.052	0.004	0.148	18.87	3.18	100.27	0.184	0.02	11.89
MDD13	MDD13-011	10	11	20.96	0.02	0.635	X	0.071	0.025	33.14	0.06	0.18	0.09	0.7	0.022	0.004	0.095	28.91	4.04	100.34	0.195	0.011	11.25
MDD13	MDD13-012	11	12	14.55	0.02	0.67	X	0.092	0.048	48.08	0.07	0.18	0.03	0.71	0.019	0.004	0.114	22.11	0.73	100.21	0.072	0.016	12.76
MDD13	MDD13-013	12	13	10.49	0.02	0.666	0.005	0.385	0.045	58.51	0.03	0.29	0.16	0.71	0.031	0.004	0.099	14.14	5.98	100.27	0.224	0.013	8.53
MDD13	MDD13-014	13	14	11.12	0.02	0.649	0.005	0.472	0.046	56.86	0.02	0.3	0.16	0.69	0.038	0.003	0.098	13.79	7.53	100.48	0.237	0.011	8.47
MDD13	MDD13-015	14	15	9.61	0.01	0.489	0.007	0.028	0.033	58.24	0.02	0.24	0.26	0.62	0.011	0.002	0.06	11.94	13	100.11	0.646	0.015	4.88
MDD13	MDD13-016	15	16	9.52	0.02	0.535	0.006	0.088	0.035	59.39	0.02	0.35	0.28	0.58	0.013	0.002	0.05	11.46	12.76	100.31	0.62	0.012	4.57
MDD13	MDD13-017	16	17	9.36	0.02	0.634	0.018	0.349	0.074	58.91	0.02	0.42	0.35	0.64	0.112	0.003	0.086	12.81	8.43	100.18	0.268	0.015	7.64
MDD13	MDD13-018	17	18	7.38	0.03	1.053	0.053	0.501	0.101	63.07	0.06	0.34	0.8	1.05	0.335	0.004	0.103	11.14	3.82	100.2	0.185	0.018	10.05
MDD13	MDD13-019	18	19	7.4	0.02	1.013	0.027	0.274	0.097	63.82	0.03	0.36	0.41	0.94	0.171	0.004	0.084	10.8	6.85	100.44	0.299	0.019	7.77
MDD13	MDD13-020	19	21.1	9.27	0.02	0.421	0.045	0.029	0.098	56.32	0.07	0.43	0.63	0.68	0.095	0.004	0.052	15.65	8.83	99.58	0.405	0.023	6.43
MDD14	MDD14-001	0	1	10.9	0.03	0.31	0.006	0.032	0.018	56.12	0.04	0.27	0.19	0.37	0.007	0.005	0.053	14.14	10.98	99.73	0.725	0.015	5.51
MDD14	MDD14-002	1	2	11.71	0.01	0.139	0.005	0.017	0.015	47.03	0.04	0.28	0.2	0.26	0.007	0.003	0.049	20.79	12.75	99.63	0.574	0.016	5.73
MDD14	MDD14-003	2	3	11.06	X	0.188	0.008	0.009	0.026	50.77	0.02	0.21	0.24	0.24	0.012	0.003	0.061	17.98	11.84	99.54	0.514	0.026	6.32
MDD14	MDD14-004	3	4	12.75	X	0.274	0.009	0.045	0.03	50.05	0.05	0.22	0.22	0.34	0.016	0.004	0.076	19.4	8.21	99.67	0.428	0.024	7.54
MDD14	MDD14-005	4	5	10.01	0.01	0.385	0.007	0.009	0.033	56.11	0.04	0.22	0.22	0.46	0.012	0.003	0.073	14.89	11.47	100.13	0.595	0.017	5.57
MDD14	MDD14-006	5	6	7.81	0.02	0.43	0.005	0.011	0.046	61.71	0.03	0.26	0.25	0.39	0.01	0.004	0.081	10.57	12.75	100.04	0.6	0.012	5.08
MDD14	MDD14-007	6	7	8.46	0.02	0.583	0.009	0.008	0.032	62.15	0.03	0.26	0.22	0.56	0.02	0.005	0.077	10.85	10.96	100.4	0.541	0.017	5.63
MDD14	MDD14-008	7	8	7.84	0.02	0.643	0.009	0.008	0.029	63.86	0.02	0.25	0.23	0.59	0.015	0.004	0.076	9.52	11.29	100.08	0.624	0.019	5.04
MDD14	MDD14-009	8	9	10.94	0.01	0.363	0.009	0.012	0.031	55.95	0.05	0.24	0.26	0.4	0.014	0.003	0.06	13.75	12.02	100.36	0.579	0.013	5.66
MDD14	MDD14-010	9	10	15.02	X	0.535	X	0.058	0.07	49.1	0.04	0.19	0.12	0.56	0.014	0.006	0.108	18.05	5.57	99.95	0.3	0.01	10.24
MDD14	MDD14-011	10	11	28.78	0.01	0.657	X	0.073	0.017	20.66	0.06	0.18	X	0.78	0.012	0.003	0.078	35.44	1	100.24	0.081	X	12.46
MDD14	MDD14-012	11	12	26.24	0.01	0.793	X	0.071	0.023	24.68	0.1	0.2	0.05	0.83	0.008	0.003	0.087	32.41	2.94	100.3	0.157	X	11.74
MDD14	MDD14-013	12	13	14.71	0.02	0.629	0.005	0.044	0.037	49.5	0.09	0.2	0.14	0.66	0.014	0.004	0.096	18.52	7.31	100.19	0.405	0.007	7.85
MDD14	MDD14-014	13	13.9	12.66	0.01	0.541	0.005	0.029	0.048	53.11	0.02	0.15	0.17	0.56	0.011	0.005	0.117	15.36	8.89	99.97	0.47	0.008	7.86
MDD15	MDD15-001	0	1	21.28	0.11	0.183	X	0.044	0.025	40.6	0.01	0.16	0.11	0.24	0.009	0.004	0.043	19.26	6.34	99.51	0.575	0.007	10.52
MDD15	MDD15-002	1	2	11.61	0.14	0.251	X	0.008	0.033	59.46	0.02	0.21	0.16	0.27	0.006	0.005	0.067	11.75	7.99	99.89	0.59	0.01	7.31
MDD15	MDD15-003	2	3	13.72	0.07	0.237	X	0.014	0.031	54.4	0.03	0.21	0.14	0.36	0.006	0.007	0.078	14.52	7.24	99.67	0.577	0.008	8.06
MDD15	MDD15-004	3	4	13.82	0.02	0.283	X	0.019	0.032	53.96	0.02	0.12	0.14	0.3	0.007	0.007	0.168	14.11	8.18	99.75	0.61	0.006	8.08
MDD15	MDD15-005	4	5	18.07	0.01	0.308	X	0.039	0.024	44.45	0.05	0.14	0.07	0.39	0.006	0.008	0.207	19.09	6.49	99.97	0.708	0.008	10.05
MDD15	MDD15-006	5	6	13.45	0.01	0.383	X	0.025	0.042	54.33	0.03	0.14	0.1	0.42	0.008	0.008	0.171	12.85	8.05	100.03	1.02	0.005	9.1
MDD15	MDD15-007	6	7	8.78	X	0.231	0.005	0.01	0.058	67.01	0.01	0.12	0.17	0.23	0.016	0.007	0.134	8.63	7.85	100.55	0.499	0.009	6.84
MDD15	MDD15-008	7	8	7.33	X	0.174	0.008	0.008	0.126	70.92	0.01	0.09	0.17	0.16	0.028	0.005	0.107	7.05	7.3	100.58	0.464	0.011	6.64
MDD15	MDD15-009	8	9	7.69	X	0.13	0.007	0.007	0.062	69.05	0.01	0.2	0.2	0.14	0.018	0.003	0.054	8.22	8.57	100.11	0.471	0.007	5.26
MDD15	MDD15-010	9	10	7.34	X	0.147	0.016	X	0.116	69.25	0.04	0.13	0.18	0.19	0.054	0.004	0.089	8.97	5.58	100.69	0.316	0.017	8.26
MDD15	MDD15-011	10	11	10.35	X	0.192	0.009	0.005	0.068	59.52	0.06	0.2	0.2	0.31	0.028	0.004	0.056	14.48	7.54	100.53	0.468	0.009	7.01
MDD15	MDD15-012	11	12	3.41	X	0.141	0.046	X	0.067	77.42	0.02	0.07	0.39	0.16	0.144	0.003	0.077	5.65	2.59	100.25	0.136	0.029	9.85
MDD15	MDD15-013	12	13	5.92	X	0.149	0.027	X	0.114	71.82	0.02	0.09	0.18	0.19	0.124	0.003	0.083	7.89	2.98	100.47	0.146	0.026	10.66
MDD15	MDD15-014	13	14	3.79	X	0.113	0.035	X	0.078	77.28	0.01	0.08	0.24	0.14	0.125	0.004	0.072	5.18	2.99	100.32	0.171	0.031	9.93
MDD15	MDD15-015	14	15	4.75	X	0.145	0.029	X	0.088	74.82	0.02	0.1	0.23	0.18	0.105	0.005	0.064	6.12	3.8	100.23	0.255	0.026	9.47
MDD15	MDD15-016	15	16	5.43	0.01	0.299	0.032	X	0.077	72.65	0.02	0.12	0.26	0.31	0.094	0.005	0.075	7.22	4.76	100.66	0.288	0.03	8.94
MDD15	MDD15-017	16	17	6.83	X	0.187	0.024	X	0.09	68.18	0.03	0.12	0.27	0.25	0.062	0.004	0.066	9.35	6.79	100.34	0.366	0.026	7.66
MDD15	MDD15-018	17	18	5.02	X	0.293	0.034	X	0.141	73.23	0.02	0.1	0.3	0.29	0.097	0.004	0.094	6.57	4.38	100.06	0.236	0.039	9.18
MDD15	MDD15-019	18	19	3.6	0.01	0.335	0.042	X	0.119	76.92	0.01	0.12	0.33	0.36	0.115	0.003	0.099	5.03	4.17	100.05	0.234	0.049	8.48
MDD15	MDD15-020	19	20	5.9	0.02	0.463	0.024	X	0.082	70.66	0.02	0.18	0.27	0.61	0.064	0.003	0.083	7.74	7.69	100.18	0.401	0.031	5.94
MDD15	MDD15-021	20	21	3.87	0.01	0.376	0.044	X	0.115	76.83	0.02	0.13	0.33	0.43	0.114	0.003	0.077	5.43	4.49	99.97	0.244	0.047	7.37
MDD15	MDD15-022	21	22	7.78	0.03	0.687	0.01	X	0.099	63.83	0.02	0.22	0.27	0.79	0.023	0.004	0.081	9.34	10.97	100.34	0.561	0.02	5.58

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD15	MDD15-023	22	23	7.2	0.02	0.63	0.011	X	0.123	65.23	0.02	0.26	0.28	0.7	0.025	0.003	0.075	8.43	11.83	100.47	0.597	0.023	4.99
MDD15	MDD15-024	23	24	7.07	0.02	0.794	0.008	0.008	0.061	63.26	0.02	0.28	0.28	0.82	0.012	0.004	0.077	9.57	12.59	100.07	0.679	0.019	4.5
MDD15	MDD15-025	24	25	6.09	0.02	0.23	0.035	0.012	0.125	71.29	0.01	0.15	0.27	0.44	0.085	0.004	0.084	7.2	6.65	99.75	0.341	0.042	6.65
MDD15	MDD15-026	25	26	8.96	0.02	0.637	0.012	0.028	0.118	60.29	0.02	0.23	0.3	0.77	0.03	0.005	0.084	10.28	11.1	99.92	0.525	0.019	6.5
MDD15	MDD15-027	26	27	6.3	0.02	0.476	0.021	0.012	0.066	70.12	0.02	0.21	0.27	0.61	0.064	0.003	0.071	7.86	8.4	100.07	0.436	0.026	5.08
MDD15	MDD15-028	27	28	5.41	0.01	0.31	0.028	0.008	0.067	74.49	0.01	0.13	0.29	0.41	0.089	0.003	0.061	7.07	5.45	99.84	0.286	0.038	5.64
MDD15	MDD15-029	28	29	5.57	0.02	0.301	0.025	0.009	0.066	72.64	0.01	0.22	0.34	0.37	0.067	0.002	0.064	6.77	8.3	99.91	0.416	0.034	4.65
MDD15	MDD15-030	29	30	5.52	0.01	0.377	0.022	0.006	0.077	71.9	X	0.29	0.34	0.37	0.06	0.002	0.051	6.52	10.86	100.51	0.553	0.024	3.47
MDD15	MDD15-031	30	31	5.48	0.02	0.454	0.02	X	0.058	69.78	X	0.4	0.36	0.5	0.05	0.002	0.048	6.05	13.77	100.4	0.702	0.017	2.63
MDD15	MDD15-032	31	32	5.21	0.01	0.379	0.018	0.005	0.061	70.97	X	0.37	0.35	0.42	0.046	0.002	0.055	5.92	12.35	100.02	0.639	0.02	3.17
MDD15	MDD15-033	32	33	6	0.01	0.446	0.022	0.005	0.072	67.83	0.01	0.46	0.36	0.46	0.05	0.001	0.047	6.8	14.37	100.87	0.735	0.014	3.13
MDD15	MDD15-034	33	34	5.4	0.01	0.521	0.02	0.006	0.078	69.19	0.01	0.37	0.35	0.51	0.046	0.002	0.065	7.33	12.72	100.93	0.66	0.017	3.6
MDD15	MDD15-035	34	35	4.79	0.01	0.392	0.027	X	0.086	74.37	0.01	0.29	0.33	0.42	0.069	0.003	0.084	5.83	9.01	100.52	0.477	0.024	4.27
MDD15	MDD15-036	35	36	6.72	0.01	0.354	0.022	0.007	0.067	65.43	0.01	0.46	0.37	0.4	0.045	0.001	0.045	7.77	14.62	100.57	0.728	0.018	3.42
MDD15	MDD15-037	36	37	5.48	0.01	0.337	0.022	X	0.046	66.94	X	0.54	0.35	0.34	0.043	0.001	0.036	6.1	16.16	99.96	0.798	0.016	2.68
MDD15	MDD15-038	37	38	5.1	0.01	0.307	0.021	0.006	0.041	67.69	X	0.56	0.34	0.36	0.043	0.001	0.037	5.64	16.4	99.72	0.805	0.017	2.32
MDD15	MDD15-039	38	39	6.87	0.01	0.359	0.023	X	0.064	64.42	X	0.48	0.35	0.37	0.043	0.001	0.046	7.72	15.12	99.9	0.74	0.017	3.21
MDD15	MDD15-040	39	40	6.91	0.02	0.518	0.018	X	0.082	64.91	0.01	0.43	0.36	0.56	0.037	0.002	0.064	7.91	13.63	100.05	0.694	0.02	3.85
MDD15	MDD15-041	40	41	5.28	0.01	0.42	0.018	0.006	0.039	68.41	X	0.54	0.34	0.43	0.037	0.001	0.045	5.92	15.04	99.86	0.772	0.018	2.51
MDD15	MDD15-042	41	42	5.19	0.01	0.294	0.016	0.005	0.051	69.21	X	0.57	0.34	0.34	0.033	0.001	0.037	5.8	14.93	99.83	0.78	0.016	2.16
MDD15	MDD15-043	42	43	5.33	0.01	0.427	0.019	0.005	0.071	68.91	0.01	0.56	0.36	0.47	0.038	0.001	0.052	6	14.2	100.11	0.731	0.019	2.88
MDD15	MDD15-044	43	44	5.3	0.02	0.607	0.019	X	0.096	68.57	0.01	0.6	0.37	0.64	0.036	X	0.059	5.92	14.4	100.29	0.739	0.02	2.86
MDD15	MDD15-045	44	45	5.53	0.01	0.42	0.018	0.005	0.094	70.02	0.01	0.59	0.39	0.41	0.046	X	0.044	6.27	13.31	100.4	0.701	0.013	2.45
MDD15	MDD15-046	45	46	5.76	0.01	0.352	0.017	0.005	0.086	69.9	0.01	0.59	0.39	0.4	0.044	0.001	0.041	6.56	12.58	99.76	0.657	0.015	2.3
MDD15	MDD15-047	46	47	5.6	0.02	0.648	0.017	0.006	0.095	69.62	0.01	0.64	0.37	0.68	0.039	0.001	0.061	6.37	12.47	100.55	0.654	0.018	3.21
MDD15	MDD15-048	47	48	5.31	0.02	0.809	0.018	X	0.1	70.49	0.02	0.72	0.36	0.77	0.043	X	0.058	5.99	13.2	101.19	0.692	0.024	2.51
MDD15	MDD15-049	48	49	4.95	0.02	0.761	0.022	0.006	0.092	70.95	0.02	0.81	0.38	0.69	0.054	0.001	0.051	5.56	13.8	101.21	0.724	0.018	2.27
MDD15	MDD15-050	49	50	4.67	0.02	0.458	0.019	0.005	0.075	71.8	0.01	0.79	0.38	0.48	0.044	0.001	0.045	5.21	13.72	100.64	0.723	0.03	2.11
MDD15	MDD15-051	50	51	4.92	0.01	0.438	0.019	0.007	0.082	70.29	0.01	0.76	0.35	0.39	0.049	X	0.04	5.57	13.39	99.57	0.703	0.016	2.47
MDD15	MDD15-052	51	52	4.69	X	0.279	0.017	0.007	0.068	71.13	0.01	0.76	0.34	0.28	0.044	X	0.034	5.31	14.48	100.3	0.758	0.013	2.02
MDD15	MDD15-053	52	53	5.63	0.02	0.516	0.016	0.008	0.063	68.85	0.01	0.58	0.36	0.57	0.035	X	0.05	6.47	13.78	100.38	0.727	0.02	2.64
MDD15	MDD15-054	53	54	5.44	0.01	0.482	0.019	0.007	0.068	68.68	0.01	0.75	0.35	0.5	0.048	X	0.044	6.15	14.31	100.13	0.746	0.014	2.47
MDD15	MDD15-055	54	55	4.89	X	0.165	0.015	0.008	0.058	70.85	X	0.76	0.32	0.18	0.046	X	0.03	5.59	13.96	99.72	0.74	0.012	2.04
MDD15	MDD15-056	55	56	5.39	X	0.182	0.019	0.019	0.063	69.83	X	0.68	0.34	0.2	0.053	X	0.027	6.18	14.47	100.53	0.755	0.013	2.23
MDD15	MDD15-057	56	57.3	6.22	X	0.177	0.019	0.021	0.068	68.4	0.01	0.61	0.33	0.21	0.062	X	0.031	7.17	13.23	100.07	0.687	0.014	2.76
MDD16	MDD16-001	0	1	14.16	0.03	0.155	X	0.011	0.03	53.67	0.03	0.16	0.14	0.22	0.006	0.005	0.05	15.79	7.4	99.72	0.582	0.009	7.29
MDD16	MDD16-002	1	2	13.32	0.02	0.249	0.01	0.009	0.048	54.72	0.03	0.16	0.16	0.3	0.016	0.006	0.084	15	6.74	99.57	0.442	0.015	8.27
MDD16	MDD16-003	2	3	15.65	0.01	0.133	X	0.006	0.027	44.83	0.04	0.2	0.15	0.22	0.006	0.004	0.082	22.69	7.29	99.51	0.449	0.007	7.76
MDD16	MDD16-004	3	4	13.25	0.01	0.2	0.011	X	0.033	52.37	0.02	0.18	0.21	0.27	0.016	0.005	0.085	16.86	8.2	99.72	0.463	0.016	7.54
MDD16	MDD16-005	4	5	13.32	0.01	0.205	0.008	X	0.031	51.85	0.02	0.17	0.22	0.27	0.011	0.005	0.079	16.62	9.01	99.48	0.472	0.012	7.19
MDD16	MDD16-006	5	6	9.49	0.02	0.475	0.008	X	0.049	61.15	0.02	0.21	0.28	0.45	0.012	0.005	0.089	11.71	10.76	101.05	0.545	0.014	5.79
MDD16	MDD16-007	6	7	9.34	0.02	0.487	0.006	X	0.052	58.94	0.02	0.24	0.3	0.53	0.008	0.004	0.073	12.63	12.03	100.49	0.557	0.01	5.26
MDD16	MDD16-008	7	8	7.38	0.02	0.5	0.016	X	0.085	64.77	0.02	0.17	0.24	0.51	0.031	0.007	0.099	9.98	8.57	100.29	0.451	0.021	7.44
MDD16	MDD16-009	8	9	6.05	0.02	0.515	0.024	X	0.056	68.25	0.02	0.22	0.31	0.5	0.036	0.006	0.072	8.88	8.69	100.42	0.429	0.023	6.32
MDD16	MDD16-010	9	10	7.52	0.02	0.625	0.008	X	0.056	64.56	0.02	0.24	0.27	0.61	0.024	0.006	0.083	9.87	10.04	100.82	0.503	0.013	6.39
MDD16	MDD16-011	10	11	7.86	0.01	0.489	0.017	X	0.081	63.67	0.03	0.18	0.25	0.51	0.038	0.008	0.076	10.12	8.4	100.6	0.413	0.023	8.41
MDD16	MDD16-012	11	12	7.56	0.02	0.644	0.022	X	0.049	64.31	0.02	0.24	0.32	0.58	0.042	0.004	0.057	9.98	10.42	100.4	0.509	0.021	5.58
MDD16	MDD16-013	12	13	6.17	0.02	0.493	0.014	0.007	0.041	66.6	0.02	0.32	0.36	0.52	0.032	0.003	0.046	8.14	12.78	100.01	0.624	0.016	3.78
MDD16	MDD16-014	13	14	6.49	0.02	0.419	0.015	X	0.057	66.41	0.02	0.24	0.39	0.45	0.035	0.004	0.05	8.68	11.7	100.2	0.578	0.02	4.59
MDD16	MDD16-015	14	15	6.96	0.02	0.471	0.011	X	0.05	65.35	0.03	0.28	0.39	0.49	0.027	0.005	0.053	9.03	11.98	100.08	0.591	0.017	4.3
MDD16	MDD16-016	15	16	7.29	0.02	0.623	0.008	X	0.044	64.93	0.02	0.23	0.41	0.6	0.018	0.005	0.056	9.71	11.68	100.34	0.584	0.015	4.08
MDD16	MDD16-017	16	17	8.61	0.02	0.479	0.009	X	0.044	61.95	0.03	0.29	0.4	0.51	0.02	0.004	0.05	11.31	11.19	99.94	0.572	0.017	4.42

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD16	MDD16-018	17	18	7.03	0.02	0.543	0.015	X	0.048	64.94	0.03	0.32	0.41	0.56	0.043	0.005	0.056	9.65	11.52	100.28	0.587	0.016	4.47
MDD16	MDD16-019	18	19	7.63	0.02	0.685	0.011	0.007	0.043	63	0.02	0.31	0.4	0.65	0.026	0.005	0.054	10.62	12	100.38	0.595	0.017	4.25
MDD16	MDD16-020	19	20	7.33	0.02	0.515	0.013	X	0.059	63.43	0.02	0.21	0.41	0.55	0.036	0.004	0.05	10.76	11.32	99.83	0.577	0.014	4.46
MDD16	MDD16-021	20	21	6.8	0.02	0.439	0.015	X	0.069	65.15	0.02	0.23	0.39	0.45	0.04	0.006	0.039	10.25	11.36	100.23	0.579	0.016	4.29
MDD16	MDD16-022	21	22	7.27	0.02	0.426	0.016	X	0.076	62.24	0.03	0.31	0.45	0.54	0.045	0.007	0.034	12.32	11.44	100.03	0.576	0.015	4.14
MDD16	MDD16-023	22	23	7.12	0.01	0.374	0.038	X	0.174	58.65	0.08	0.4	0.88	0.59	0.122	0.009	0.048	17.11	6.24	100.51	0.333	0.028	8.12
MDD16	MDD16-024	23	24	7.94	X	0.195	0.05	X	0.216	55.25	0.08	0.47	0.7	0.51	0.153	0.008	0.026	19.42	7.76	100.26	0.402	0.028	6.88
MDD16	MDD16-025	24	25	9.05	0.01	0.219	0.052	X	0.16	53.15	0.08	0.43	0.97	0.57	0.116	0.01	0.028	19.14	8.77	99.86	0.446	0.02	6.44
MDD16	MDD16-026	25	26	5.58	0.02	0.68	0.034	X	0.124	67.87	0.03	0.2	0.57	0.73	0.081	0.007	0.071	8.58	9.14	100.57	0.455	0.023	6.31
MDD16	MDD16-027	26	27	5.98	0.02	0.395	0.026	X	0.116	68.13	0.02	0.19	0.54	0.52	0.065	0.006	0.061	8.24	9.74	100.25	0.51	0.021	5.62
MDD16	MDD16-028	27	28	5.87	0.03	0.675	0.035	X	0.202	68.97	0.03	0.23	0.59	0.72	0.091	0.007	0.085	7.98	7.05	100.85	0.41	0.028	7.75
MDD16	MDD16-029	28	29	6.21	0.05	0.843	0.034	X	0.183	66.06	0.02	0.22	0.62	0.83	0.092	0.009	0.081	8.7	8.45	100.64	0.444	0.027	7.69
MDD16	MDD16-030	29	30	5.87	0.03	0.94	0.047	X	0.175	65.77	0.03	0.24	0.75	0.88	0.139	0.005	0.083	9.84	6.03	100.67	0.326	0.03	9.37
MDD16	MDD16-031	30	31	7.02	0.02	0.69	0.04	X	0.161	63.39	0.03	0.19	0.78	0.79	0.119	0.005	0.066	10.11	8.49	100.37	0.45	0.025	7.88
MDD16	MDD16-032	31	32	7.86	0.02	0.627	0.025	X	0.113	59.49	0.02	0.17	0.74	0.64	0.066	0.004	0.053	13.11	9.88	99.89	0.49	0.017	6.49
MDD16	MDD16-033	32	33	6.19	0.02	0.525	0.049	X	0.14	66.54	0.02	0.16	0.74	0.6	0.134	0.004	0.059	8.8	7.09	100.05	0.375	0.034	8.47
MDD16	MDD16-034	33	34	7.51	0.03	0.658	0.032	X	0.136	62.67	0.02	0.19	0.6	0.73	0.087	0.004	0.066	9.92	8.9	99.83	0.429	0.029	7.75
MDD16	MDD16-035	34	35	5.75	0.02	0.729	0.038	X	0.135	67.59	0.01	0.17	0.63	0.7	0.096	0.004	0.071	7.99	7.03	99.96	0.377	0.044	8.48
MDD16	MDD16-036	35	36	7.45	0.02	0.722	0.028	X	0.111	63.67	0.02	0.17	0.67	0.72	0.064	0.003	0.073	9.47	9.89	100.85	0.503	0.032	7.15
MDD16	MDD16-037	36	37	5.45	0.02	0.472	0.038	X	0.124	70.62	0.01	0.18	0.7	0.53	0.092	0.003	0.057	7.65	6.33	100.53	0.342	0.057	7.76
MDD16	MDD16-038	37	38	7.48	0.02	0.399	0.026	X	0.154	63.2	0.01	0.22	0.49	0.48	0.065	0.002	0.043	10.46	11.05	100.6	0.586	0.018	5.81
MDD16	MDD16-039	38	39	7.34	0.02	0.543	0.03	0.011	0.152	63.73	0.01	0.24	0.5	0.53	0.08	0.003	0.052	9.73	9.68	100.71	0.53	0.029	7.42
MDD16	MDD16-040	39	40	7.35	0.02	0.536	0.031	0.008	0.165	63.2	0.01	0.3	0.48	0.52	0.07	0.004	0.054	9.59	9.34	100.25	0.53	0.026	7.94
MDD16	MDD16-041	40	41	7.97	0.02	0.558	0.046	X	0.151	60.12	0.01	0.46	0.58	0.58	0.097	0.004	0.056	10.06	11.28	100.39	0.609	0.02	7.65
MDD16	MDD16-042	41	42	8.42	0.02	0.437	0.094	0.009	0.108	56.23	0.01	0.44	0.56	0.55	0.163	0.002	0.042	10.09	16.97	99.95	0.82	0.027	4.82
MDD16	MDD16-043	42	43	6.62	0.02	0.515	0.036	X	0.1	63.05	0.01	0.44	0.44	0.56	0.062	0.002	0.041	7.81	15.07	99.75	0.786	0.016	4.11
MDD16	MDD16-044	43	44	6.79	0.02	0.475	0.029	0.007	0.09	63.52	0.01	0.36	0.43	0.49	0.057	0.001	0.035	8.04	15.02	100.16	0.761	0.016	3.96
MDD16	MDD16-045	44	45	7.52	0.02	0.377	0.028	0.009	0.115	64.46	0.06	0.33	0.45	0.38	0.058	0.002	0.036	9.23	10.69	100.4	0.568	0.016	5.97
MDD16	MDD16-046	45	46	10.91	0.02	0.487	0.029	0.034	0.131	55.09	0.12	0.36	0.38	0.53	0.058	0.003	0.045	13.16	10.93	99.88	0.581	0.015	6.91
MDD16	MDD16-047	46	47	6.19	0.01	0.308	0.032	0.005	0.066	64.9	0.01	0.43	0.41	0.4	0.055	X	0.029	7.01	16.48	99.95	0.825	0.018	2.7
MDD16	MDD16-048	47	48	6.96	0.01	0.3	0.025	0.007	0.102	64.3	0.01	0.33	0.39	0.38	0.053	X	0.033	8.14	14.79	100.12	0.763	0.016	3.42
MDD16	MDD16-049	48	49	4.76	0.01	0.387	0.03	0.046	0.09	70.05	0.01	0.44	0.43	0.37	0.059	0.001	0.034	5.7	14.04	100.13	0.745	0.017	2.83
MDD16	MDD16-050	49	50	5.81	0.01	0.321	0.036	0.007	0.093	67.45	0.01	0.46	0.43	0.37	0.048	X	0.029	6.96	14.97	100.12	0.776	0.017	2.26
MDD16	MDD16-051	50	51	5.41	0.01	0.455	0.027	X	0.081	68.51	0.01	0.56	0.42	0.49	0.047	0.002	0.048	6.54	13.76	99.88	0.722	0.021	2.72
MDD16	MDD16-052	51	52	7.24	0.01	0.382	0.022	0.038	0.073	66.22	0.01	0.49	0.38	0.38	0.033	0.001	0.047	8.62	12.35	100.47	0.748	0.02	3.36
MDD16	MDD16-053	52	53	5.21	X	0.218	0.029	0.03	0.05	70.47	X	0.44	0.37	0.23	0.055	0.001	0.023	6.05	14.61	100.72	0.794	0.024	2.01
MDD16	MDD16-054	53	54	5.97	X	0.185	0.029	0.048	0.071	68.52	X	0.42	0.42	0.22	0.069	X	0.023	7.03	13.56	99.89	0.807	0.021	2.4
MDD16	MDD16-055	54	55	16.04	4.05	0.325	0.062	0.108	0.295	33.16	0.08	3.35	0.4	0.57	0.121	0.003	0.036	31.43	1.18	100.39	0.11	0.046	8.88
MDD16	MDD16-056	55	55.7	12.87	14.88	0.012	0.01	0.069	0.041	11.43	0.09	10.27	0.19	0.43	0.04	X	0.008	48.17	0.67	100.54	0.059	0.014	1.21
MDD17	MDD17-001	0	1	18.83	0.05	0.205	X	0.024	0.011	37.18	0.03	0.12	0.07	0.24	0.008	0.009	0.045	20.35	11.94	99.44	0.54	0.006	9.77
MDD17	MDD17-002	1	2	16.97	0.03	0.21	X	0.012	0.039	46.67	0.01	0.08	0.04	0.22	0.009	0.01	0.078	16.84	7.39	99.67	0.448	0.008	10.62
MDD17	MDD17-003	2	3	13.8	0.01	0.13	X	0.007	0.071	56.45	X	0.06	0.06	0.13	0.01	0.014	0.161	13.81	4.1	99.7	0.199	0.009	10.78
MDD17	MDD17-004	3	4	12.69	0.01	0.185	X	0.012	0.051	54.69	X	0.06	0.05	0.17	0.006	0.019	0.253	12.41	8.07	99.72	0.427	0.007	10.79
MDD17	MDD17-005	4	5	15.02	0.01	0.232	X	0.015	0.026	48.44	X	0.08	0.07	0.22	0.005	0.014	0.259	15.86	8.06	99.75	0.506	0.006	11.13
MDD17	MDD17-006	5	6	16.95	X	0.272	X	0.014	0.04	44.02	0.02	0.13	0.12	0.28	0.005	0.01	0.225	18.62	8.37	99.63	0.433	0.007	10.27
MDD17	MDD17-007	6	7	14.52	X	0.24	X	0.009	0.053	49.52	0.02	0.15	0.15	0.3	X	0.009	0.188	15.85	9.07	99.47	0.452	0.006	9.06
MDD17	MDD17-008	7	8	13.66	0.01	0.396	X	0.006	0.032	50.71	0.02	0.21	0.14	0.46	0.005	0.008	0.134	15.47	10.08	99.78	0.57	0.009	7.94
MDD17	MDD17-009	8	9	9.53	0.02	0.447	0.006	0.007	0.051	57.51	0.02	0.27	0.19	0.47	0.006	0.007	0.114	10.33	13.22	100.25	0.67	0.02	7.42
MDD17	MDD17-010	9	10	10.78	0.01	0.451	0.007	0.007	0.038	56.71	0.02	0.24	0.19	0.48	0.006	0.007	0.144	12.48	11.42	99.93	0.724	0.022	6.27
MDD17	MDD17-011	10	11	11.4	0.01	0.371	0.005	X	0.025	56.17	0.02	0.17	0.23	0.4	0.007	0.004	0.063	14.06	11.05	99.96	0.636	0.015	5.33
MDD17	MDD17-012	11	12	12.96	0.02	0.623	X	0.016	0.071	53.51	0.03	0.18	0.1	0.54	0.005	0.01	0.114	14.9	6.95	100.48	0.369	0.011	10.11
MDD17	MDD17-013	12	13	11.16	0.01	0.439	0.005	0.019	0.066	59.12	0.09	0.16	0.15	0.46	0.006	0.008	0.086	12.72	7.74	100.39	0.472	0.015	7.68

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD17	MDD17-014	13	14	8.4	0.01	0.325	0.011	0.01	0.036	63.06	0.01	0.29	0.29	0.35	0.013	0.003	0.044	9.97	13.35	100.51	0.717	0.018	3.58
MDD17	MDD17-015	14	15	5.46	X	0.253	0.024	0.007	0.039	68.95	X	0.39	0.31	0.27	0.03	0.003	0.034	6.22	15.11	100.26	0.774	0.019	2.3
MDD17	MDD17-016	15	16	5.68	0.01	0.399	0.018	0.013	0.024	68.22	X	0.42	0.29	0.34	0.019	0.003	0.044	6.39	15.29	100.57	0.809	0.012	2.56
MDD17	MDD17-017	16	17	10.65	X	0.37	0.009	0.023	0.033	59.53	0.03	0.22	0.22	0.37	0.019	0.004	0.05	13	10.23	100.48	0.585	0.015	5.11
MDD17	MDD17-018	17	18	18.28	X	0.465	X	0.029	0.038	42.5	0.05	0.22	0.12	0.51	0.011	0.004	0.06	22.67	6.08	99.84	0.33	0.011	8.47
MDD17	MDD17-019	18	19	7.36	X	0.259	0.015	0.016	0.043	65.33	0.02	0.35	0.28	0.24	0.031	0.003	0.039	8.68	13.38	100	0.688	0.014	3.22
MDD17	MDD17-020	19	20	5.17	X	0.164	0.013	0.01	0.017	69.44	X	0.43	0.32	0.18	0.028	0.002	0.022	5.96	15.48	99.74	0.815	0.011	1.63
MDD17	MDD17-021	20	21	5.85	X	0.209	0.014	0.015	0.03	68.68	0.01	0.37	0.3	0.2	0.028	0.002	0.027	6.92	14.64	100.26	0.781	0.016	2.13
MDD17	MDD17-022	21	22	7.22	X	0.19	0.016	0.015	0.017	65.81	0.01	0.5	0.31	0.21	0.029	0.002	0.024	8.56	13.92	100.13	0.715	0.013	2.53
MDD17	MDD17-023	22	23	5.86	X	0.212	0.016	0.006	0.015	69.44	0.01	0.63	0.33	0.21	0.032	0.003	0.027	7.16	13.21	100.19	0.684	0.013	2.29
MDD17	MDD17-024	23	24	5.31	X	0.151	0.019	0.013	0.028	70.4	X	0.69	0.32	0.16	0.039	0.001	0.024	6.33	14.2	100.26	0.736	0.019	1.76
MDD17	MDD17-025	24	25	5.12	X	0.135	0.017	0.016	0.02	70.06	X	0.76	0.32	0.16	0.04	0.002	0.018	5.98	14.71	99.88	0.774	0.011	1.7
MDD17	MDD17-026	25	26	5.66	X	0.177	0.015	0.011	0.02	68.18	X	0.71	0.31	0.2	0.036	0.002	0.021	6.56	14.79	99.49	0.777	0.008	1.95
MDD17	MDD17-027	26	27	6.2	X	0.208	0.015	0.011	0.024	69.07	0.01	0.69	0.31	0.26	0.04	0.002	0.025	7.4	13.08	100.37	0.689	0.012	2.28
MDD17	MDD17-028	27	28	5.47	X	0.163	0.016	0.013	0.02	69.49	X	0.73	0.31	0.21	0.046	0.001	0.017	6.42	14.46	100.1	0.767	0.011	1.89
MDD17	MDD17-029	28	29	6.92	X	0.156	0.012	0.019	0.013	65.61	X	0.55	0.28	0.18	0.038	0.001	0.015	7.88	14.58	99.54	0.784	0.008	2.44
MDD17	MDD17-030	29	30	16.12	0.01	0.48	0.007	0.062	0.062	47.13	0.15	0.25	0.16	0.56	0.035	0.004	0.043	20.01	7.26	100.25	0.432	0.022	7.43
MDD17	MDD17-031	30	31	5.01	X	0.133	0.012	0.024	0.012	70.13	X	0.57	0.32	0.16	0.037	X	0.016	5.75	15.31	100.11	0.83	0.009	1.73
MDD17	MDD17-032	31	32	18.34	0.01	0.527	0.006	0.055	0.077	42.86	0.14	0.25	0.14	0.61	0.032	0.015	0.051	22.6	5.65	100.44	0.262	0.016	8.76
MDD17	MDD17-033	32	33	5.09	X	0.163	0.014	0.029	0.021	69.84	X	0.57	0.3	0.16	0.046	0.002	0.018	5.89	15.42	100.24	0.821	0.013	1.79
MDD17	MDD17-034	33	34	4.84	X	0.176	0.01	0.03	0.017	70.27	X	0.6	0.29	0.18	0.04	0.002	0.017	5.61	15.97	100.58	0.872	0.011	1.6
MDD17	MDD17-035	34	35	6.9	X	0.188	0.006	0.046	0.022	62.38	X	0.41	0.34	0.19	0.02	0.001	0.02	7.96	18.04	100.11	0.828	0.016	2.68
MDD17	MDD17-036	35	36	16.1	0.01	0.584	0.009	0.211	0.097	49.53	0.02	0.18	0.1	0.59	0.05	0.015	0.068	19.56	3.25	100.16	0.144	0.015	9.61
MDD18	MDD18-001	0	1	14.52	0.06	0.369	0.01	0.029	0.032	41.12	0.05	0.54	0.12	0.48	0.024	0.002	0.043	22.91	12.81	100.33	0.676	0.013	6.48
MDD18	MDD18-002	1	2	9.08	0.01	0.154	0.012	0.01	0.022	54.36	0.01	0.62	0.15	0.19	0.03	X	0.03	15.08	15.89	100	0.796	0.012	3.54
MDD18	MDD18-003	2	3	6.53	X	0.15	0.013	0.01	0.014	62.43	0.02	0.8	0.2	0.19	0.034	0.001	0.023	10.8	15.14	99.65	0.867	0.008	2.4
MDD18	MDD18-004	3	4	6.55	X	0.131	0.014	0.009	0.027	62.94	0.02	0.76	0.17	0.16	0.034	X	0.02	9.74	15.93	99.84	0.934	0.014	2.36
MDD18	MDD18-005	4	5	6.66	X	0.147	0.017	0.01	0.024	63.36	0.02	0.77	0.2	0.2	0.034	X	0.019	9.5	15.43	99.61	0.884	0.019	2.28
MDD18	MDD18-006	5	6	6.5	X	0.248	0.022	0.011	0.031	60.82	0.03	0.79	0.21	0.3	0.03	X	0.026	10.51	16.5	99.47	0.891	0.034	2.48
MDD18	MDD18-007	6	7	6.72	X	0.154	0.025	0.011	0.039	63	0.02	0.84	0.2	0.22	0.036	X	0.023	9.08	16.06	99.68	0.899	0.022	2.28
MDD18	MDD18-008	7	8	5.96	X	0.198	0.025	0.009	0.036	65.85	0.02	0.83	0.23	0.22	0.034	0.001	0.023	7.14	16.06	99.55	0.883	0.02	1.97
MDD18	MDD18-009	8	9	5	X	0.112	0.019	0.01	0.037	66.67	0.01	3	0.27	0.25	0.035	0.002	0.015	6.92	14.74	99.52	0.8	0.022	1.54
MDD18	MDD18-010	9	10	4.5	X	0.212	0.023	0.01	0.069	65.97	0.02	4.36	0.23	0.41	0.04	0.004	0.017	7.09	14.81	100.47	0.785	0.033	1.82
MDD18	MDD18-011	10	11	4.95	X	0.188	0.027	0.014	0.099	65.25	0.02	3.57	0.24	0.37	0.043	0.003	0.02	7.53	14.73	100.12	0.802	0.035	2.15
MDD18	MDD18-012	11	12	4.17	X	0.144	0.02	0.009	0.069	66.46	0.01	5.43	0.3	0.35	0.041	0.004	0.016	6.83	13.61	99.89	0.732	0.025	1.6
MDD18	MDD18-013	12	13	4.18	X	0.202	0.021	0.013	0.088	67.48	0.01	5.31	0.3	0.3	0.047	0.006	0.017	6.71	13.05	100.06	0.695	0.027	1.52
MDD18	MDD18-014	13	14	4.31	X	0.159	0.021	0.01	0.082	66.48	0.01	6.05	0.31	0.24	0.051	0.004	0.013	7.08	12.77	100.15	0.697	0.026	1.76
MDD18	MDD18-015	14	15	4.11	X	0.043	0.022	0.011	0.115	67.12	X	5.94	0.31	0.17	0.057	0.003	0.01	6.91	12.42	99.83	0.659	0.03	1.8
MDD18	MDD18-016	15	16	4.23	X	0.063	0.022	0.012	0.114	66.52	0.01	5.55	0.31	0.14	0.055	0.003	0.012	7.19	12.79	99.69	0.683	0.028	1.85
MDD18	MDD18-017	16	17	4.23	X	0.091	0.02	0.011	0.154	67.72	X	3.99	0.33	0.11	0.047	0.002	0.015	6.19	14.08	99.43	0.75	0.02	1.56
MDD18	MDD18-018	17	18	7.3	X	0.129	0.076	0.041	0.165	60.83	0.08	3.33	0.48	0.28	0.087	0.006	0.023	11.6	11.37	99.88	0.658	0.021	3.27
MDD18	MDD18-019	18	19	7.16	0.05	0.66	0.222	0.024	0.63	56.27	0.12	4.67	0.83	1.19	0.279	0.016	0.058	17.28	1.9	99.6	0.087	0.052	7.75
MDD18	MDD18-020	19	20	6.4	3.38	0.296	0.042	0.023	0.27	37.87	0.08	11.77	0.24	0.98	0.132	0.014	0.031	30.68	1.72	99.49	0.07	0.032	5.32
MDD18	MDD18-021	20	21	5.43	5.45	0.12	0.02	0.018	0.109	30.27	0.09	13.69	0.19	0.57	0.098	0.013	0.021	38.12	0.93	99.7	0.041	0.022	4.41
MDD18	MDD18-022	21	22	4.27	5.61	0.093	0.018	0.012	0.097	32.27	0.09	12.27	0.23	0.61	0.089	0.015	0.02	37.14	3.31	99.65	0.15	0.024	3.23
MDD18	MDD18-023	22	22.6	4.7	3.84	0.122	0.011	0.016	0.141	38.51	0.14	7.92	0.18	0.78	0.121	0.018	0.03	34.51	4.51	99.65	0.224	0.027	3.75
MDD19	MDD19-001	0	1	13.88	0.05	0.272	X	0.035	0.032	51.07	0.04	0.12	0.05	0.27	0.005	0.013	0.092	16.18	6.54	100.19	1.308	X	10.26
MDD19	MDD19-002	1	2	11.41	0.01	0.095	X	0.018	0.085	59.97	X	0.1	0.12	0.15	0.013	0.008	0.108	11.74	6.61	99.46	0.644	X	8.41
MDD19	MDD19-003	2	3	12.9	X	0.116	X	0.021	0.098	54	0.02	0.14	0.13	0.15	0.008	0.008	0.086	16.4	6.76	99.52	0.58	X	8.11
MDD19	MDD19-004	3	4	12.56	X	0.054	X	0.015	0.083	54.99	0.02	0.16	0.17	0.16	0.008	0.007	0.055	15.09	7.93	99.88	0.639	0.006	7.92
MDD19	MDD19-005	4	5	12.41	X	0.114	X	0.017	0.061	52.71	0.06	0.31	0.19	0.25	0.009	0.006	0.042	17.33	9.31	100.22	0.693	0.005	6.67
MDD19	MDD19-006	5	6	14.12	X	0.087	X	0.013	0.112	47.61	0.07	0.26	0.19	0.25	0.009	0.005	0.046	19.61	9.54	100.32	0.56	0.006	7.79

				Al2O3	CaO	Cl	Co	Cr2O3	Cu	Fe2O3	K2O	MgO	MnO	Na2O	Ni	P	S	SiO2	TiO2	Total	V2O5	Zn	LOI-1000C
				UNITS																			
		m	m	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
				DETECTION LIMIT																			
				0.01	*0.01*	*0.005*	*0.005*	*0.005*	*0.005*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.005*	*0.001*	*0.002*	*0.01*	*0.01*	*0.01*	*0.005*	*0.005*	*0.01*
MDD19	MDD19-007	6	7	9.1	0.01	0.144	0.009	0.013	0.259	62.67	0.02	0.13	0.21	0.19	0.024	0.006	0.066	10.73	7.47	99.5	0.518	0.02	7.86
MDD19	MDD19-008	7	8	10.48	0.01	0.1	0.006	0.009	0.146	57.49	0.06	0.25	0.23	0.28	0.017	0.004	0.05	14.36	9.03	99.69	0.589	0.011	6.54
MDD19	MDD19-009	8	9	10.14	X	0.107	0.006	0.012	0.165	54.15	0.06	0.29	0.26	0.25	0.016	0.004	0.046	15.46	11.82	99.64	0.57	0.009	6.22
MDD19	MDD19-010	9	10	7.95	X	0.127	0.007	0.008	0.127	60.01	0.05	0.35	0.27	0.24	0.015	0.003	0.034	12.45	13.04	99.6	0.673	0.008	4.19
MDD19	MDD19-011	10	11	7.67	X	0.103	0.006	0.01	0.081	60.84	0.04	0.19	0.27	0.2	0.014	0.003	0.02	11.59	14.53	99.66	0.757	X	3.3
MDD19	MDD19-012	11	12	9.04	X	0.171	0.008	0.011	0.064	55.87	0.07	0.18	0.21	0.3	0.011	0.002	0.027	14	14.63	99.82	0.771	0.01	4.4
MDD19	MDD19-013	12	13	6.15	X	0.145	0.013	0.014	0.071	64.69	0.04	0.18	0.22	0.22	0.018	0.002	0.016	8.39	16.57	100.08	0.895	0.013	2.38
MDD19	MDD19-014	13	14	7.93	X	0.176	0.011	0.016	0.076	60	0.05	0.18	0.19	0.27	0.014	0.002	0.023	10.71	15.7	99.86	0.88	0.011	3.58
MDD19	MDD19-015	14	15	7.13	X	0.214	0.012	0.014	0.066	62.11	0.05	0.2	0.21	0.32	0.015	0.001	0.022	10.16	15.71	100.16	0.86	0.018	3
MDD19	MDD19-016	15	16	6.16	0.02	0.626	0.014	0.017	0.072	65.27	0.03	0.25	0.25	0.64	0.02	0.001	0.044	8.43	14.63	100.37	0.9	0.017	2.96
MDD19	MDD19-017	16	17	5.81	0.02	0.622	0.013	0.018	0.097	66.67	0.02	0.29	0.25	0.66	0.018	0.002	0.053	7.2	14.32	100.46	0.896	0.017	3.47
MDD19	MDD19-018	17	18	7.33	0.02	0.546	0.011	0.032	0.104	62.92	0.03	0.19	0.16	0.59	0.013	0.003	0.052	8.69	14.05	100.25	0.939	0.013	4.55
MDD19	MDD19-019	18	19	6.27	0.01	0.331	0.015	0.021	0.076	66.9	0.03	0.31	0.22	0.37	0.02	0.002	0.029	7.55	14.03	99.99	0.898	0.017	2.85
MDD19	MDD19-020	19	20	6.54	X	0.299	0.018	0.013	0.05	65.7	0.02	0.34	0.23	0.36	0.024	0.001	0.024	7.6	15.06	100.11	0.977	0.032	2.76
MDD19	MDD19-021	20	21	6.67	0.01	0.303	0.017	0.014	0.078	63.67	0.02	0.31	0.19	0.36	0.022	0.001	0.031	7.77	15.75	99.75	1.161	0.022	3.31
MDD19	MDD19-022	21	22	8.29	0.01	0.385	0.019	0.013	0.047	58.13	0.03	0.4	0.19	0.45	0.019	0.001	0.028	9.63	17.32	99.86	1.063	0.029	3.78
MDD19	MDD19-023	22	23	6.51	X	0.289	0.021	0.015	0.036	63.18	0.03	0.5	0.18	0.35	0.024	X	0.02	7.62	17.06	99.81	1.133	0.026	2.77
MDD19	MDD19-024	23	24	7.5	X	0.275	0.022	0.022	0.036	60.86	0.02	0.46	0.2	0.31	0.025	X	0.019	8.51	17.55	100.14	1.171	0.023	3.08
MDD19	MDD19-025	24	25	8.05	X	0.301	0.016	0.101	0.036	62.32	0.02	0.35	0.18	0.35	0.021	0.001	0.023	9.24	14.47	100.11	1.108	0.017	3.47
MDD19	MDD19-026	25	26	16.14	0.02	0.584	X	0.185	0.271	45.46	0.02	0.17	0.09	0.68	0.012	0.006	0.063	18.67	7.59	100.14	0.784	0.009	9.34
MDD19	MDD19-027	26	27	12.41	0.03	0.929	0.011	0.151	0.624	55.42	0.04	0.26	0.13	1.03	0.043	0.014	0.112	14.98	2.62	100.38	0.194	0.019	11.28
MDD19	MDD19-028	27	28	14.8	0.03	1.101	0.013	0.2	0.382	49.48	0.03	0.23	0.24	1.12	0.052	0.008	0.103	17.58	2.62	100.26	0.158	0.02	12.05
MDD19	MDD19-029	28	29	12.69	0.03	1.122	0.013	0.205	0.548	53.88	0.03	0.23	0.14	1.11	0.056	0.008	0.109	15.26	2.6	100.42	0.152	0.019	12.14
MDD19	MDD19-030	29	30	10.7	0.04	1.201	0.028	0.133	0.297	59.48	0.02	0.25	0.28	1.34	0.103	0.007	0.117	13.33	2.17	100.42	0.135	0.023	10.72
MDD19	MDD19-031	30	31	9.48	0.02	0.678	0.027	0.149	0.238	63.15	0.02	0.19	0.43	0.84	0.106	0.007	0.083	11.91	2.2	100.38	0.218	0.027	10.53
MDD19	MDD19-032	31	32	8.33	0.02	0.71	0.015	0.171	0.432	65.53	0.05	0.22	0.32	0.75	0.074	0.009	0.089	10.89	1.96	99.91	0.301	0.023	9.94
MDD19	MDD19-033	32	33	12.65	0.01	0.467	0.013	0.361	0.253	53.02	0.03	0.35	0.17	0.53	0.028	0.005	0.046	14.99	9.17	100.13	0.698	0.015	7.25
MDD19	MDD19-034	33	34	6.68	0.01	0.456	0.028	0.025	0.027	59.61	0.02	0.62	0.23	0.49	0.033	X	0.03	7.72	19.85	100.15	0.837	0.043	3.41
MDD19	MDD19-035	34	35	6.43	0.01	0.46	0.026	0.02	0.048	61.33	0.01	0.8	0.3	0.49	0.037	0.001	0.029	7.49	18.35	100.21	0.821	0.034	3.47
MDD19	MDD19-036	35	36	8.64	0.02	0.683	0.021	0.077	0.061	58.27	0.02	0.65	0.26	0.67	0.039	0.002	0.043	10.16	14.97	100.23	0.774	0.037	4.81
MDD19	MDD19-037	36	37	12.11	0.01	0.594	0.015	0.187	0.084	58.03	0.02	0.31	0.23	0.62	0.029	0.002	0.04	14.08	7.62	100.23	0.691	0.028	5.5
MDD19	MDD19-038	37	38	8.65	0.01	0.535	0.016	0.055	0.075	59.82	0.02	0.42	0.2	0.55	0.023	X	0.036	9.97	15.1	100.5	0.843	0.015	4.13
MDD19	MDD19-039	38	39	5.1	X	0.249	0.016	0.025	0.026	67.98	X	0.55	0.22	0.26	0.024	X	0.017	5.74	16.59	99.88	0.932	0.013	2.1
MDD19	MDD19-040	39	40	6.15	X	0.214	0.015	0.027	0.048	65.49	X	0.39	0.21	0.25	0.025	X	0.015	6.92	16.93	100.11	0.901	0.017	2.46
MDD19	MDD19-041	40	41	5.24	X	0.2	0.018	0.039	0.043	68.81	X	0.66	0.25	0.21	0.039	X	0.018	5.95	15.24	99.73	0.888	0.012	2.07
MDD19	MDD19-042	41	42	4.8	X	0.171	0.021	0.021	0.029	69.33	X	0.63	0.22	0.21	0.038	X	0.015	5.52	16.13	99.81	0.874	0.013	1.73
MDD19	MDD19-043	42	43	4.7	X	0.139	0.017	0.02	0.041	70.06	X	0.51	0.2	0.16	0.036	X	0.016	5.37	15.76	99.87	0.889	0.008	1.89
MDD19	MDD19-044	43	44	5.63	X	0.186	0.011	0.033	0.05	66.31	X	0.25	0.22	0.2	0.018	0.001	0.02	6.54	17.52	100.3	0.955	0.019	2.29
MDD19	MDD19-045	44	45	6.53	X	0.257	0.017	0.049	0.086	64.01	0.01	0.24	0.16	0.3	0.035	0.002	0.028	7.55	17.05	100.57	1.002	0.032	3.16
MDD19	MDD19-046	45	46	6.4	X	0.262	0.021	0.057	0.075	64.14	X	0.35	0.19	0.28	0.05	0.002	0.028	7.33	16.64	99.92	0.902	0.037	3.08
MDD19	MDD19-047	46	47	4.3	X	0.084	0.024	0.049	0.033	71.11	X	0.52	0.2	0.1	0.047	0.001	0.033	4.78	15.94	100.14	0.9	0.016	1.97
MDD19	MDD19-048	47	48	5.1	X	0.115	0.019	0.057	0.024	68.9	X	0.61	0.24	0.14	0.031	X	0.013	5.73	16.69	100.25	0.88	0.015	1.63
MDD19	MDD19-049	48	49	5.05	X	0.178	0.019	0.068	0.042	70.15	X	0.9	0.27	0.18	0.046	X	0.021	5.81	15.05	100.45	0.837	0.016	1.75
MDD19	MDD19-050	49	50	4.9	X	0.153	0.017	0.093	0.045	69.4	X	1.02	0.23	0.17	0.052	X	0.022	5.66	15.06	99.76	0.847	0.012	2.02
MDD19	MDD19-051	50	51	4.99	X	0.092	0.019	0.101	0.036	69.18	X	0.78	0.2	0.13	0.038	X	0.008	5.74	15.98	100	0.88	0.013	1.77
MDD19	MDD19-052	51	52	4.6	X	0.182	0.03	0.134	0.067	70.18	X	1.41	0.36	0.24	0.076	X	0.016	5.54	14.5	99.76	0.811	0.02	1.53
MDD19	MDD19-053	52	53	3.83	X	0.11	0.027	0.139	0.078	70.57	X	3.27	0.29	0.2	0.081	X	0.017	5.44	13.32	99.74	0.747	0.019	1.52
MDD19	MDD19-054	53	54	3.86	X	0.158	0.033	0.17	0.086	72.46	X	2.14	0.34	0.21	0.094	X	0.016	5.04	13.13	100.04	0.746	0.022	1.44
MDD19	MDD19-055	54	55	3.83	X	0.252	0.029	0.192	0.1	73.18	X	1.15	0.35	0.25	0.093	X	0.019	5.08	13.14	99.97	0.74	0.026	1.44
MDD19	MDD19-056	55	56	3.58	X	0.23	0.028	0.202	0.119	74.89	X	0.91	0.33	0.21	0.097	0.002	0.022	4.61	12.42	100.21	0.699	0.029	1.72
MDD19	MDD19-057	56	57	3.16	X	0.296	0.037	0.211	0.168	72.92	X	2.53	0.35	0.32	0.128	0.003	0.021	5.49	11.49	100.33	0.65	0.028	2.38
MDD19	MDD19-058	57	57.6	2.55	X	0.105	0.068	0.191	0.366	68.3	0.04	4.65	0.73	0.22	0.228	0.002	0.011	8.3	9.58	99.75	0.545	0.034	3.58

Appendix Two

Gascoyne Project

Rockchip Sampling Analytical Results

Sampno	East	North	Au	Ag	As	Ba	Cu	Fe	Mn	Mn	Mo	Pb	Sn	Ta	W	Zn	Description
Units			ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection limits			1	0.05	1	1	1	0.01	1	10	0.1	0.5	0.05	0.01	0.05	1	
CW1101	366415	7288440	3	0.08	3	514	223	11.27	>10000	13600	0.4	2.5	7.25	<0.01	1.88	17	1m by 5cm magnetite garnet quartzite
CW1102	366453	7288473	2	<0.05	<1	570	390	2.51	387		0.1	17.4	2.5	<0.01	<0.05	7	~2cm thick magnetite epidote rock
CW1103	366078	7288360	3	<0.05	8	1947	111	6.66	>10000	10810	7.4	5.2	0.6	<0.01	6.53	40	12cm diameter manganese gossan specimen
CW1104	365287	7288966	2	0.06	8	831	304	38.36	1099		6.7	11	0.45	<0.01	2.82	183	5m by 10cm ironstone striking 120°
CW1105	365267	7289768	1	<0.05	5	217	23	28.4	444		10.2	24	0.11	<0.01	14.73	41	Ironstone float over ~1m by 5m, probably about 10cm thick
CW1106	364801	7288995	8	0.09	8	643	247	43.64	1091		7.2	16.2	0.54	<0.01	2.65	172	15m by 3cm subcropping ironstone, parallel to foliation
CW1107	371815	7279926	<1	<0.05	4	109	63	25.95	736		3.8	21	2.08	<0.01	11.39	76	BIF clasts in creek gravel
CW1108	378160	7268380	<1	<0.05	2	441	54	21.23	1897		0.8	6.8	2.25	<0.01	0.93	21	BIF clasts in creek gravel
CW1109	376907	7265479	<1	<0.05	<1	28	12	17.31	259		2.3	4.6	1.23	<0.01	0.1	12	BIF clasts in creek gravel
CW1110	376755	7265435	<1	<0.05	<1	20	42	16.37	202		2.7	2.8	1.52	<0.01	0.18	6	Rare BIF clasts in creek gravel

Appendix Three

Medcalf Project

JORC Code, 2012 Edition – Table 1 & 2

JORC Code, 2012 Edition – Table 1 report

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.*	• Audalia Resources Limited (ACP) have completed 17 PQ core holes for 723.1m during November 2015. Results are being reported for these holes and a full listing is attached in Appendix 1 • The core was marked every metre by ACP as there is very little lithological variation throughout the drillhole. The core was photographed both wet and dry. Five intervals from different drillholes were selected for physical metallurgical testwork. Intertek supplied a very experienced core cutter to cut the core in half where one half of the core remained in the core tray for future reference and the remaining half was crushed to -3.35mm. From this crushed sample 25% was removed (2-3kg) for assaying. The remainder 75% is to be used for future metallurgical testwork. • The 2-3kg crushed (-3.35mm) samples was milled in a LMS and a 150-200g pulp sample split was taken for assaying while the pulp reject was bagged with a code. The pulp was the subjected to an 18 multi-element analyses by XRF and ICP techniques.
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).*	• Sandvik DE811using a PQ core barrel of 3m in length. Core was broken into one metre lengths to insert into core trays. Core blocks were marked up with the appropriate metre length and placed in tray. Core was not orientated.

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.*	• Geologist measured core length and drill interval. Core recovery excellent. Only 15% of the 723.1m fell below 100% recovery • Used triple tube. • No issues. Solid core and no water table intersected.
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.*	• Core has been geologically, weighed and photographed. RQD and core recoveries were measured. • Quantative • The database contains lithological data for all the core holes.
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.*	• Core was cut in half. One half was crushed and 25% if that crushing was used for assaying. • Core was carefully cut into one metre samples and each sample was numbered according to the hole number and interval. • Three holes were twinned for sample control and verification. The laboratory performed its own internal controls with repeats and standards inserted. • Drilling sample sizes are considered appropriate for this style of deposit.
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,*	• Samples were assayed by Intertek (Genalyisis) in Maddington for 18 elements by XRF. • No geophysical tools were used. • The Company has twinned 3 core hole to compare results

Criteria	JORC Code explanation	Commentary
	duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	against one another. Intertek perform their own internal checks. The results are deemed to be acceptable.
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.*	• Drill intersections from previous drilling has been vetted by Ravensgate Pty Ltd who completed a JORC (2012) resource. • Three PQ holes were twinned. • An electronic database containing drill collars, assays and geology is maintained within the Company. Independent consultant companies Cube and Ravensgate Perth have a digital copy of this database. • There has been no adjustment to the assay data.
Location of data points	• *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.*	• All previous drilling has been accurately surveyed by Cardno Surveys, Kalgoorlie. No downhole survey has been undertaken. All holes are vertical. • GDA94, Zone 51 • Aerial photography was flown by Fugro, Kalgoorlie and one metre contours were produced from the image.
Data spacing and distribution	• *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.*	• Drill spacing is on an 80m by 80m pattern. • The mineralization is very consistent along strike (1600m) across strike (450m) and downdip (35m). The variography shows how remarkable the mineralisation behaves in all 3 directions. The deposit is mineralized from survey to depth in one lithology. Block assay estimate can be interpreted with confidence. • No sample compositing has been applied.
Orientation of data in relation to geological structure	• *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 drilling is vertical which is suitable to this deposit which is a near flatting sill. • No bias.
Sample security	• *The measures taken to ensure sample security.*	• All drilling was managed by Audalia and the Geologist used has over 50 years' experience. Pulps are stored securely offsite.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• This has been reviewed by Ravensgate when they completed a JORC (2012) resource.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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..* • *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.*	• Audalia owns the Medcalf project 100% that comprises of M63/656, P63/1528 and P63/1560-61 and E63/1133 and E63/1134. All are in good standing. No security or legal issues have been noted. Rehabilitation is up to date. • No known impediments.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Over the past 40 years, the tenements have been explored for nickel (Ni), copper (Cu) titanium (Ti)/vanadium (V), platinum group metals (PGE) and gold (Au). The Companies are Unmin/Laporte (1972) for Ni & Cu. Amoco (1982) for V & Ti. Cyprus (1986) for PGM and (1989) for Au & PGM. Arimco (1991) for V & Ti and (1996 & 1997) for V, Ti, Au,PGM, Ni & Cu. Lionore (2005) for V, Ti, Au, PGM, Ni & Cu. Lionore (2006) for Ni Cu sulphides, PGE & Au. Norilsk (2010) for Ni sulphides.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Medcalf Project lies in the southern end of the Archaean Lake Johnston greenstone belt. This greenstone belt is a narrow, north-northwest trending belt approximately 110 km in length. It is located near the south margin of the Yilgarn Craton, midway between the southern ends of the Norseman-Wiluna and the Forrestania-Southern Cross greenstone belts. The area of interest is the Medcalf sill located in the hinge zone of a gently north-west plunging regional anticline and is emplaced within a predominately tholeiitic basalt sequence low in the greenstone sucession. Rocks in this area belong to the almandine amphibolite facies of regional metamorphism. The primary vanadiferous titanomagnetite mineralisation occurs within the pyroxenite zone between the basal peridotite and upper gabbro zones of the sill. Extensive weathering over time has resulted in removal of much of the silica, calcium and magnesium resulting in residual concentration of iron, titanium and vanadium oxides. It is this secondary enriched material which constitutes potential ore.

Criteria	JORC Code explanation	Commentary
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:* o *easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole* o *down hole length and interception depth* o *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.*	• Refer to Appendix 1 of this announcement. • No exclusion
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 values should be clearly stated.*	• Samples taken every metre no weighted average required. No cutting of high grades applied. • No procedure undertaken. • No metal equivalent used.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• Mineralisation flat lying, all holes drilled vertical. • Mineralisation is perpendicular to the drillhole • Known as described above.
Diagrams	• *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.*	• Not discovery drilling. Drilling is for metallurgical purposes in known areas of mineralization previously reported.
Balanced reporting	• *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.*	• Comprehensive reporting of all drillhole data has been provided in Appendix 1 of this announcement.

Criteria	JORC Code explanation	Commentary
Other substantive exploration data	• *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 characteristics; potential deleterious or contaminating substances.*	• All meaningful and material exploration data has been reported.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Planned work is to infill the current drill pattern where required to upgrade the existing JORC (2012) Resource. Audalia has been planning this will consultancy group Cube in Perth. • Work in progress.

Appendix Four

Gascoyne Project

JORC Code, 2012 Edition – Table 1 & 2

JORC Code, 2012 Edition – Table 1 report

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.*	• Audalia Resources Limited (ACP) have completed reconnaissance rockchip sampling. Results are being reported in Appendix 2 of this news release. • The 2-3kg crushed (-3.35mm) samples was milled in a LMS and a 150-200g pulp sample split was taken for assaying while the pulp reject was bagged with a code. The pulp was the subjected to a 10 multi-element analyses by acid digest.
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).*	• Not applicable
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.*	• Not applicable. • Not applicable. • Not applicable.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate*	• Not applicable

Criteria	JORC Code explanation	Commentary
	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.*	• Quantative. • Not applicable.
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.*	• Not applicable. • Not applicable. • Not applicable. • The laboratory performed its own internal controls with repeats and standards inserted. • Experienced Geologist controlling representation of sample. • Rockchips sample sizes collected are considered appropriate for this style of deposit.
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.*	• Samples were assayed by Intertek (Genalyisis) in Maddington for 10 elements using acid digest. • No geophysical tools were used. • No blanks or standards were used.
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.*	• Not applicable. • Not applicable. • An electronic database containing location coordinates, assays and geology is maintained within the Company. • There has been no adjustment to the assay data.
Location of data points	• *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.*	• Hand held GPS +/- 1m.

Criteria	JORC Code explanation	Commentary
	• *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• GDA94, Zone 50 • Hand held GPS +/- 1m.
Data spacing and distribution	• *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.*	• Not applicable. • Not applicable. • Not applicable.
Orientation of data in relation to geological structure	• *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.*	• Not applicable. • Not applicable.
Sample security	• *The measures taken to ensure sample security.*	• All sampling was managed by Audalia and the Geologist used has over 50 years' experience. Pulps are stored securely offsite.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• None undertaken.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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.* • *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.*	• Audalia owns the Gascoyne project 100% that comprises of E09/1568-70, E09/1824-25 and E09/2102. All are in good standing. No security, environmental or legal issues have been noted. • No known impediments.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• BHP (2003-4), ABM Resources (2007) and Altera Resources (2008) explored the area for base metals.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Gascoyne Project lies within the Gascoyne Province which is the deformed and high-grade metamorphic core zone of the early

Criteria	JORC Code explanation	Commentary
		Proterozioc Capricorn Orogen. The province consists of voluminous granitoid intrusions, mantled-gneiss domes, metamorphosed and partly melted sedimentary rocks, and remobilized Archaean basement gneiss. It lies between the Archaean Pilbara Block and Yilgarn Block and tectonic trends within the Gascoyne Province wrap around the margins of these relatively stable cratons.
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:* o *easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole* o *down hole length and interception depth* o *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.*	• Not applicable. • No exclusion.
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 values should be clearly stated.*	• No cutting of high grades applied. • No procedure undertaken. • No metal equivalent used.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• Not applicable. • Not applicable. • Not applicable.
Diagrams	• *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*	• Not applicable.

Criteria	JORC Code explanation	Commentary
	drill hole collar locations and appropriate sectional views.	
Balanced reporting	• *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.*	• All results have been reported.
Other substantive exploration data	• *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 characteristics; potential deleterious or contaminating substances.*	• All meaningful and material exploration data has been reported.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Planned work is follow-up on high manganese results for possible drill testing. • Work in progress.