

**ANALYTICAL RESULTS OF PRIMARY SAMPLES (FOR 10 RADICALS CaO, MgO, Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub>, Na<sub>2</sub>O<sub>3</sub>, SO<sub>3</sub>, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O and LOI) OF BOREHOLE CORE SAMPLES GENERATED BY MECL (G-3 LEVEL),  
MALKHED-01 BLOCK (MKM-03, 04 AND 06),  
DIST: KALABURGI (GULBARGA), KARNATAKA.**

**BOREHOLE No. MKML-03**

| Sample Number | Depth (m) |       | Thick (m) | CaO % | MgO % | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | Fe <sub>2</sub> O <sub>3</sub> % | Na <sub>2</sub> O <sub>3</sub> % | SiO <sub>3</sub> % | P <sub>2</sub> O <sub>5</sub> % | K <sub>2</sub> O % | LOI % |
|---------------|-----------|-------|-----------|-------|-------|--------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|---------------------------------|--------------------|-------|
|               | From      | To    |           |       |       |                    |                                  |                                  |                                  |                    |                                 |                    |       |
| MKML-03/01    | 3.60      | 5.00  | 1.40      | 49.15 | 0.37  | 10.85              | 0.69                             | 0.38                             | 0.03                             | 0.03               | 0.23                            | 0.15               | 37.69 |
| MKML-03/02    | 5.00      | 6.00  | 1.00      | 50.07 | 0.26  | 10.15              | 0.52                             | 0.21                             | 0.03                             | 0.03               | 0.15                            | 0.11               | 38.04 |
| MKML-03/03    | 6.00      | 7.00  | 1.00      | 50.73 | 0.26  | 8.76               | 0.58                             | 0.23                             | 0.02                             | 0.04               | 0.17                            | 0.12               | 38.60 |
| MKML-03/04    | 7.00      | 8.00  | 1.00      | 49.25 | 0.32  | 10.57              | 0.66                             | 0.27                             | 0.02                             | 0.09               | 0.14                            | 0.13               | 38.03 |
| MKML-03/05    | 8.00      | 9.00  | 1.00      | 50.53 | 0.30  | 8.84               | 0.53                             | 0.25                             | 0.03                             | 0.05               | 0.10                            | 0.10               | 38.82 |
| MKML-03/06    | 9.00      | 10.00 | 1.00      | 50.09 | 0.36  | 9.50               | 0.68                             | 0.26                             | 0.05                             | 0.05               | 0.20                            | 0.14               | 38.28 |
| MKML-03/07    | 10.00     | 11.00 | 1.00      | 50.06 | 0.35  | 9.69               | 0.60                             | 0.29                             | 0.04                             | 0.06               | 0.15                            | 0.13               | 38.18 |
| MKML-03/08    | 11.00     | 12.00 | 1.00      | 50.84 | 0.33  | 8.50               | 0.59                             | 0.23                             | 0.05                             | 0.15               | 0.25                            | 0.12               | 38.54 |
| MKML-03/09    | 12.00     | 13.00 | 1.00      | 49.88 | 0.39  | 9.77               | 0.63                             | 0.28                             | 0.05                             | 0.07               | 0.17                            | 0.13               | 38.22 |
| MKML-03/10    | 13.00     | 14.00 | 1.00      | 50.68 | 0.31  | 8.79               | 0.57                             | 0.24                             | 0.04                             | 0.07               | 0.32                            | 0.12               | 38.41 |
| MKML-03/11    | 14.00     | 15.00 | 1.00      | 50.21 | 0.34  | 9.18               | 0.67                             | 0.27                             | 0.05                             | 0.07               | 0.22                            | 0.15               | 38.39 |
| MKML-03/12    | 15.00     | 16.00 | 1.00      | 49.98 | 0.37  | 9.29               | 0.73                             | 0.36                             | 0.04                             | 0.21               | 0.24                            | 0.15               | 38.18 |
| MKML-03/13    | 16.00     | 17.00 | 1.00      | 48.44 | 0.39  | 11.68              | 0.87                             | 0.40                             | 0.06                             | 0.25               | 0.06                            | 0.19               | 37.08 |
| MKML-03/14    | 17.00     | 18.00 | 1.00      | 48.96 | 0.41  | 10.75              | 0.86                             | 0.40                             | 0.07                             | 0.22               | 0.04                            | 0.19               | 37.61 |
| MKML-03/15    | 18.00     | 19.00 | 1.00      | 47.25 | 0.49  | 13.35              | 1.06                             | 0.56                             | 0.08                             | 0.11               | 0.05                            | 0.26               | 36.34 |
| MKML-03/16    | 19.00     | 20.00 | 1.00      | 49.22 | 0.37  | 10.73              | 0.81                             | 0.36                             | 0.07                             | 0.09               | 0.04                            | 0.19               | 37.67 |
| MKML-03/17    | 20.00     | 21.00 | 1.00      | 48.01 | 0.40  | 12.87              | 0.90                             | 0.44                             | 0.07                             | 0.12               | 0.03                            | 0.21               | 36.61 |
| MKML-03/18    | 21.00     | 22.00 | 1.00      | 47.79 | 0.46  | 12.74              | 0.92                             | 0.44                             | 0.06                             | 0.12               | 0.04                            | 0.22               | 36.85 |
| MKML-03/19    | 22.00     | 23.00 | 1.00      | 46.30 | 0.59  | 14.67              | 1.42                             | 0.64                             | 0.09                             | 0.13               | 0.09                            | 0.36               | 35.34 |
| MKML-03/20    | 23.00     | 24.00 | 1.00      | 47.50 | 0.47  | 13.44              | 1.01                             | 0.41                             | 0.07                             | 0.08               | 0.05                            | 0.24               | 36.32 |
| MKML-03/21    | 24.00     | 25.00 | 1.00      | 47.01 | 0.49  | 14.13              | 1.16                             | 0.49                             | 0.09                             | 0.03               | 0.05                            | 0.28               | 35.82 |
| MKML-03/22    | 25.00     | 26.00 | 1.00      | 47.44 | 0.47  | 13.41              | 1.21                             | 0.51                             | 0.08                             | 0.07               | 0.05                            | 0.31               | 36.00 |
| MKML-03/23    | 26.00     | 27.00 | 1.00      | 47.03 | 0.58  | 13.27              | 1.54                             | 0.76                             | 0.10                             | 0.17               | 0.08                            | 0.40               | 35.64 |
| MKML-03/24    | 27.00     | 28.00 | 1.00      | 48.11 | 0.43  | 13.04              | 0.92                             | 0.43                             | 0.06                             | 0.05               | 0.04                            | 0.21               | 36.35 |
| MKML-03/25    | 28.00     | 29.00 | 1.00      | 44.09 | 0.65  | 18.89              | 1.93                             | 0.98                             | 0.12                             | 0.14               | 0.58                            | 0.49               | 31.65 |
| MKML-03/26    | 29.00     | 30.00 | 1.00      | 43.58 | 0.64  | 20.51              | 1.51                             | 0.82                             | 0.09                             | 0.16               | 0.47                            | 0.32               | 31.38 |
| MKML-03/27    | 30.00     | 31.00 | 1.00      | 44.90 | 0.55  | 21.64              | 1.45                             | 0.71                             | 0.09                             | 0.06               | 0.50                            | 0.34               | 29.36 |
| MKML-03/28    | 31.00     | 32.00 | 1.00      | 44.68 | 0.46  | 19.30              | 1.07                             | 0.54                             | 0.08                             | 0.02               | 0.39                            | 0.24               | 32.70 |
| MKML-03/29    | 32.00     | 33.00 | 1.00      | 43.48 | 0.53  | 20.63              | 1.45                             | 0.67                             | 0.10                             | 0.03               | 0.46                            | 0.37               | 31.78 |
| MKML-03/30    | 33.00     | 34.00 | 1.00      | 43.94 | 0.68  | 18.70              | 2.02                             | 0.86                             | 0.12                             | 0.04               | 0.65                            | 0.50               | 32.00 |
| MKML-03/31    | 34.00     | 35.00 | 1.00      | 45.26 | 0.47  | 18.24              | 1.26                             | 0.58                             | 0.08                             | 0.05               | 0.44                            | 0.33               | 32.79 |
| MKML-03/32    | 35.00     | 36.00 | 1.00      | 44.14 | 0.53  | 19.77              | 1.32                             | 0.64                             | 0.09                             | 0.02               | 0.42                            | 0.32               | 32.28 |
| MKML-03/33    | 36.00     | 37.00 | 1.00      | 44.06 | 0.56  | 19.90              | 1.60                             | 0.70                             | 0.10                             | 0.09               | 0.48                            | 0.40               | 31.65 |
| MKML-03/34    | 37.00     | 38.00 | 1.00      | 44.79 | 0.56  | 18.54              | 1.62                             | 0.74                             | 0.10                             | 0.07               | 0.53                            | 0.41               | 32.22 |
| MKML-03/35    | 38.00     | 39.00 | 1.00      | 45.66 | 0.63  | 15.97              | 1.95                             | 1.13                             | 0.13                             | 0.24               | 0.45                            | 0.49               | 33.02 |
| MKML-03/36    | 39.00     | 40.00 | 1.00      | 46.92 | 0.50  | 15.84              | 1.24                             | 0.65                             | 0.10                             | 0.07               | 0.27                            | 0.30               | 33.70 |
| MKML-03/37    | 40.00     | 41.00 | 1.00      | 44.67 | 0.67  | 16.33              | 2.37                             | 1.18                             | 0.16                             | 0.24               | 0.62                            | 0.62               | 32.67 |
| MKML-03/38    | 41.00     | 42.00 | 1.00      | 42.76 | 0.76  | 19.62              | 2.63                             | 1.22                             | 0.16                             | 0.16               | 0.56                            | 0.70               | 31.02 |
| MKML-03/39    | 42.00     | 43.00 | 1.00      | 42.90 | 0.74  | 19.00              | 2.29                             | 1.04                             | 0.16                             | 0.07               | 0.51                            | 0.58               | 32.22 |

| Sample Number | Depth (m) |       | Thick (m) | CaO % | MgO % | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | Fe <sub>2</sub> O <sub>3</sub> % | Na <sub>2</sub> O <sub>3</sub> % | SiO <sub>3</sub> % | P <sub>2</sub> O <sub>5</sub> % | K <sub>2</sub> O % | LOI % |
|---------------|-----------|-------|-----------|-------|-------|--------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|---------------------------------|--------------------|-------|
|               | From      | To    |           |       |       |                    |                                  |                                  |                                  |                    |                                 |                    |       |
| MKML-03/40    | 43.00     | 44.00 | 1.00      | 41.82 | 0.73  | 21.27              | 2.57                             | 1.27                             | 0.16                             | 0.18               | 0.66                            | 0.66               | 30.18 |
| MKML-03/41    | 44.00     | 45.00 | 1.00      | 41.74 | 0.83  | 20.21              | 3.19                             | 1.27                             | 0.19                             | 0.11               | 0.64                            | 0.85               | 30.55 |
| MKML-033/42   | 45.00     | 46.00 | 1.00      | 43.32 | 0.69  | 19.32              | 2.42                             | 1.14                             | 0.14                             | 0.17               | 0.50                            | 0.62               | 31.23 |
| MKML-03/43    | 46.00     | 47.00 | 1.00      | 42.39 | 0.77  | 19.88              | 2.85                             | 1.17                             | 0.18                             | 0.09               | 0.57                            | 0.75               | 30.80 |
| MKML-03/44    | 47.00     | 48.00 | 1.00      | 42.44 | 0.67  | 21.01              | 2.73                             | 1.12                             | 0.18                             | 0.15               | 0.53                            | 0.74               | 29.99 |
| MKML-03/45    | 48.00     | 49.00 | 1.00      | 41.07 | 0.67  | 22.16              | 2.25                             | 1.07                             | 0.15                             | 0.09               | 0.38                            | 0.56               | 31.14 |
| MKML-03/46    | 49.00     | 50.00 | 1.00      | 41.14 | 0.65  | 22.65              | 2.52                             | 1.05                             | 0.16                             | 0.09               | 0.50                            | 0.67               | 30.16 |

#### BOREHOLE No. MKML-04

|            |       |       |      |       |      |       |      |      |      |      |      |      |       |
|------------|-------|-------|------|-------|------|-------|------|------|------|------|------|------|-------|
| MKML-04/01 | 2.00  | 3.00  | 1.00 | 49.35 | 0.31 | 11.13 | 0.65 | 0.38 | 0.04 | 0.01 | 0.04 | 0.14 | 37.56 |
| MKML-04/02 | 3.00  | 4.00  | 1.00 | 49.75 | 0.30 | 10.68 | 0.57 | 0.40 | 0.03 | 0.06 | 0.03 | 0.13 | 37.65 |
| MKML-04/03 | 4.00  | 5.00  | 1.00 | 48.83 | 0.34 | 11.50 | 0.72 | 0.32 | 0.04 | 0.01 | 0.03 | 0.16 | 37.62 |
| MKML-04/04 | 5.00  | 6.00  | 1.00 | 48.82 | 0.38 | 11.83 | 0.82 | 0.39 | 0.04 | 0.01 | 0.04 | 0.19 | 37.00 |
| MKML-04/05 | 6.00  | 7.00  | 1.00 | 49.19 | 0.33 | 11.12 | 0.70 | 0.33 | 0.04 | 0.01 | 0.05 | 0.15 | 37.73 |
| MKML-04/06 | 7.00  | 8.00  | 1.00 | 46.71 | 0.34 | 11.63 | 0.76 | 0.41 | 0.03 | 0.01 | 0.04 | 0.16 | 39.52 |
| MKML-04/07 | 8.00  | 9.00  | 1.00 | 48.59 | 0.35 | 11.22 | 0.82 | 0.35 | 0.04 | 0.01 | 0.04 | 0.18 | 38.00 |
| MKML-04/08 | 9.00  | 10.00 | 1.00 | 48.95 | 0.40 | 12.12 | 0.90 | 0.45 | 0.04 | 0.01 | 0.03 | 0.20 | 36.49 |
| MKML-04/09 | 10.00 | 11.00 | 1.00 | 47.45 | 0.43 | 12.61 | 1.10 | 0.47 | 0.06 | 0.02 | 0.04 | 0.26 | 37.16 |
| MKML-04/10 | 11.00 | 12.00 | 1.00 | 48.12 | 0.48 | 14.34 | 1.31 | 0.50 | 0.07 | 0.01 | 0.05 | 0.33 | 34.31 |
| MKML-04/11 | 12.00 | 13.00 | 1.00 | 49.20 | 0.34 | 11.00 | 0.84 | 0.48 | 0.04 | 0.01 | 0.06 | 0.18 | 37.46 |
| MKML-04/12 | 13.00 | 14.00 | 1.00 | 48.33 | 0.35 | 12.67 | 0.81 | 0.42 | 0.03 | 0.01 | 0.04 | 0.18 | 36.70 |
| MKML-04/13 | 14.00 | 15.00 | 1.00 | 45.45 | 0.63 | 16.21 | 1.82 | 0.83 | 0.09 | 0.01 | 0.44 | 0.44 | 33.57 |
| MKML-04/14 | 15.00 | 16.00 | 1.00 | 43.00 | 0.55 | 21.13 | 1.43 | 0.69 | 0.08 | 0.01 | 0.43 | 0.33 | 31.90 |
| MKML-04/15 | 16.00 | 17.00 | 1.00 | 42.30 | 0.88 | 19.30 | 2.90 | 1.18 | 0.14 | 0.05 | 0.87 | 0.74 | 31.32 |
| MKML-04/16 | 17.00 | 18.00 | 1.00 | 43.37 | 0.66 | 19.38 | 1.95 | 0.85 | 0.09 | 0.02 | 0.54 | 0.47 | 32.20 |
| MKML-04/17 | 18.00 | 19.00 | 1.00 | 45.72 | 0.59 | 16.38 | 1.57 | 0.77 | 0.08 | 0.02 | 0.41 | 0.37 | 33.59 |
| MKML-04/18 | 19.00 | 20.00 | 1.00 | 44.04 | 0.64 | 19.02 | 1.78 | 0.88 | 0.09 | 0.03 | 0.56 | 0.45 | 32.14 |
| MKML-04/19 | 20.00 | 21.00 | 1.00 | 43.80 | 0.49 | 20.35 | 1.05 | 0.78 | 0.06 | 0.12 | 0.29 | 0.22 | 32.49 |
| MKML-04/20 | 21.00 | 22.00 | 1.00 | 45.83 | 0.46 | 17.27 | 1.08 | 0.59 | 0.07 | 0.02 | 0.31 | 0.27 | 33.57 |
| MKML-04/21 | 22.00 | 23.00 | 1.00 | 42.61 | 0.48 | 22.49 | 1.30 | 0.58 | 0.07 | 0.01 | 0.50 | 0.31 | 31.16 |
| MKML-04/22 | 23.00 | 24.00 | 1.00 | 44.10 | 0.57 | 18.88 | 1.80 | 0.71 | 0.09 | 0.02 | 0.63 | 0.46 | 32.31 |
| MKML-04/23 | 24.00 | 25.00 | 1.00 | 43.55 | 0.47 | 20.98 | 1.27 | 0.58 | 0.08 | 0.01 | 0.47 | 0.31 | 31.80 |
| MKML-04/24 | 25.00 | 26.00 | 1.00 | 44.86 | 0.65 | 17.51 | 1.70 | 0.87 | 0.08 | 0.04 | 0.51 | 0.41 | 32.97 |
| MKML-04/25 | 26.00 | 27.00 | 1.00 | 43.32 | 0.64 | 19.42 | 2.11 | 0.90 | 0.11 | 0.05 | 0.41 | 0.52 | 32.12 |
| MKML-04/26 | 27.00 | 28.00 | 1.00 | 45.34 | 0.52 | 16.81 | 1.58 | 1.03 | 0.11 | 0.31 | 0.34 | 0.40 | 33.18 |
| MKML-04/27 | 28.00 | 29.00 | 1.00 | 44.50 | 0.67 | 17.71 | 2.36 | 1.14 | 0.12 | 0.15 | 0.59 | 0.63 | 31.65 |
| MKML-04/28 | 29.00 | 30.00 | 1.00 | 42.98 | 0.75 | 20.18 | 2.51 | 1.10 | 0.14 | 0.05 | 0.56 | 0.64 | 30.75 |
| MKML-04/29 | 30.00 | 31.00 | 1.00 | 42.67 | 0.68 | 20.34 | 2.31 | 1.25 | 0.12 | 0.23 | 0.52 | 0.59 | 30.90 |
| MKML-04/30 | 31.00 | 32.00 | 1.00 | 43.13 | 0.67 | 19.32 | 2.27 | 0.99 | 0.12 | 0.06 | 0.49 | 0.59 | 31.93 |
| MKML-04/31 | 32.00 | 33.00 | 1.00 | 42.49 | 0.65 | 18.57 | 2.22 | 1.02 | 0.10 | 0.10 | 0.43 | 0.56 | 33.53 |
| MKML-04/32 | 33.00 | 34.00 | 1.00 | 40.59 | 0.74 | 22.04 | 2.65 | 1.11 | 0.13 | 0.03 | 0.58 | 0.67 | 31.09 |
| MKML-04/33 | 34.00 | 35.00 | 1.00 | 37.79 | 0.96 | 24.63 | 4.39 | 1.56 | 0.20 | 0.09 | 0.92 | 1.19 | 27.67 |
| MKML-04/34 | 35.00 | 36.00 | 1.00 | 39.59 | 0.80 | 23.23 | 3.34 | 1.21 | 0.16 | 0.04 | 0.59 | 0.84 | 29.75 |
| MKML-04/35 | 36.00 | 37.00 | 1.00 | 39.71 | 0.77 | 23.42 | 3.22 | 1.29 | 0.16 | 0.12 | 0.55 | 0.88 | 29.44 |

| Sample Number | Depth (m) |       | Thick (m) | CaO % | MgO % | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | Fe <sub>2</sub> O <sub>3</sub> % | Na <sub>2</sub> O <sub>3</sub> % | SiO <sub>3</sub> % | P <sub>2</sub> O <sub>5</sub> % | K <sub>2</sub> O % | LOI % |
|---------------|-----------|-------|-----------|-------|-------|--------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|---------------------------------|--------------------|-------|
|               | From      | To    |           |       |       |                    |                                  |                                  |                                  |                    |                                 |                    |       |
| MKML-04/36    | 37.00     | 38.00 | 1.00      | 38.71 | 0.83  | 24.56              | 3.23                             | 1.48                             | 0.15                             | 0.16               | 0.54                            | 0.83               | 29.04 |
| MKML-04/37    | 38.00     | 39.00 | 1.00      | 41.02 | 0.75  | 22.59              | 2.58                             | 1.22                             | 0.14                             | 0.05               | 0.52                            | 0.64               | 30.05 |
| MKML-04/38    | 39.00     | 40.00 | 1.00      | 40.49 | 0.68  | 24.22              | 2.44                             | 1.16                             | 0.13                             | 0.08               | 0.45                            | 0.61               | 29.28 |
| MKML-04/39    | 40.00     | 41.00 | 1.00      | 40.33 | 0.89  | 22.43              | 3.12                             | 1.85                             | 0.17                             | 0.34               | 0.61                            | 0.80               | 29.12 |
| MKML-04/40    | 41.00     | 42.00 | 1.00      | 41.23 | 0.67  | 23.29              | 2.15                             | 1.08                             | 0.12                             | 0.04               | 0.41                            | 0.54               | 30.02 |
| MKML-04/41    | 42.00     | 43.00 | 1.00      | 40.54 | 0.58  | 25.13              | 1.85                             | 3.74                             | 0.12                             | 1.67               | 0.37                            | 0.47               | 25.16 |
| MKML-04/42    | 43.00     | 44.00 | 1.00      | 37.02 | 1.07  | 25.15              | 4.54                             | 1.79                             | 0.23                             | 0.11               | 0.94                            | 1.23               | 27.24 |
| MKML-04/43    | 44.00     | 45.00 | 1.00      | 41.47 | 0.54  | 23.66              | 1.76                             | 0.83                             | 0.11                             | 0.04               | 0.41                            | 0.45               | 30.32 |
| MKML-04/44    | 45.00     | 46.00 | 1.00      | 39.57 | 0.77  | 24.43              | 2.83                             | 1.19                             | 0.15                             | 0.04               | 0.56                            | 0.74               | 29.30 |
| MKML-04/45    | 46.00     | 47.00 | 1.00      | 40.05 | 0.71  | 23.97              | 2.44                             | 1.12                             | 0.14                             | 0.06               | 0.49                            | 0.60               | 29.99 |
| MKML-04/46    | 47.00     | 48.00 | 1.00      | 39.51 | 0.81  | 24.24              | 3.13                             | 1.35                             | 0.18                             | 0.07               | 0.59                            | 0.84               | 28.80 |
| MKML-04/47    | 48.00     | 49.00 | 1.00      | 39.03 | 0.74  | 25.17              | 2.68                             | 1.44                             | 0.15                             | 0.28               | 0.52                            | 0.67               | 28.83 |
| MKML-04/48    | 49.00     | 50.00 | 1.00      | 41.34 | 0.66  | 23.13              | 1.96                             | 0.97                             | 0.11                             | 0.04               | 0.41                            | 0.46               | 30.40 |

### BOREHOLE No. MKML-06

|            |       |       |      |       |      |       |      |      |      |      |      |      |       |
|------------|-------|-------|------|-------|------|-------|------|------|------|------|------|------|-------|
| MKML-06/01 | 2.60  | 4.00  | 1.40 | 48.39 | 0.29 | 12.67 | 0.77 | 0.44 | 0.03 | 0.02 | 0.05 | 0.15 | 36.99 |
| MKML-06/02 | 4.00  | 5.00  | 1.00 | 48.54 | 0.29 | 13.40 | 0.72 | 0.40 | 0.04 | 0.08 | 0.03 | 0.17 | 36.05 |
| MKML-06/03 | 5.00  | 6.00  | 1.00 | 48.10 | 0.31 | 13.44 | 0.77 | 0.34 | 0.03 | 0.03 | 0.03 | 0.18 | 36.62 |
| MKML-06/04 | 6.00  | 7.00  | 1.00 | 47.92 | 0.34 | 13.84 | 0.84 | 0.41 | 0.04 | 0.03 | 0.03 | 0.19 | 36.13 |
| MKML-06/05 | 7.00  | 8.00  | 1.00 | 46.15 | 0.36 | 16.77 | 0.98 | 0.43 | 0.03 | 0.02 | 0.11 | 0.24 | 34.71 |
| MKML-06/06 | 8.00  | 9.00  | 1.00 | 45.39 | 0.39 | 16.69 | 1.26 | 0.70 | 0.04 | 0.01 | 0.05 | 0.32 | 34.90 |
| MKML-06/07 | 9.00  | 10.00 | 1.00 | 42.19 | 0.48 | 22.99 | 1.31 | 0.83 | 0.05 | 0.02 | 0.44 | 0.30 | 31.18 |
| MKML-06/08 | 10.00 | 11.00 | 1.00 | 42.70 | 0.53 | 21.78 | 1.35 | 0.80 | 0.04 | 0.06 | 0.47 | 0.29 | 31.65 |
| MKML-06/09 | 11.00 | 12.00 | 1.00 | 42.05 | 0.48 | 23.11 | 1.53 | 0.76 | 0.05 | 0.02 | 0.54 | 0.36 | 30.88 |
| MKML-06/10 | 12.00 | 13.00 | 1.00 | 42.74 | 0.38 | 21.96 | 1.10 | 0.52 | 0.04 | 0.01 | 0.43 | 0.26 | 32.41 |
| MKML-06/11 | 13.00 | 14.00 | 1.00 | 42.43 | 0.57 | 21.70 | 1.70 | 0.85 | 0.05 | 0.02 | 0.59 | 0.40 | 31.39 |
| MKML-06/12 | 14.00 | 15.00 | 1.00 | 44.94 | 0.40 | 18.59 | 1.18 | 0.57 | 0.04 | 0.02 | 0.36 | 0.29 | 33.41 |
| MKML-06/13 | 15.00 | 16.00 | 1.00 | 45.71 | 0.45 | 16.15 | 1.41 | 0.65 | 0.03 | 0.02 | 0.45 | 0.34 | 34.58 |
| MKML-06/14 | 16.00 | 17.00 | 1.00 | 42.95 | 0.55 | 21.62 | 1.47 | 0.78 | 0.05 | 0.09 | 0.52 | 0.34 | 31.23 |
| MKML-06/15 | 17.00 | 18.00 | 1.00 | 45.72 | 0.43 | 16.68 | 1.28 | 0.63 | 0.04 | 0.04 | 0.44 | 0.30 | 34.24 |
| MKML-06/16 | 18.00 | 19.00 | 1.00 | 46.44 | 0.44 | 15.61 | 1.15 | 0.55 | 0.05 | 0.06 | 0.39 | 0.29 | 34.82 |
| MKML-06/17 | 19.00 | 20.00 | 1.00 | 46.60 | 0.52 | 14.52 | 1.46 | 0.68 | 0.06 | 0.07 | 0.46 | 0.35 | 35.09 |
| MKML-06/18 | 20.00 | 21.00 | 1.00 | 45.25 | 0.60 | 15.81 | 2.04 | 0.82 | 0.09 | 0.12 | 0.56 | 0.52 | 33.95 |
| MKML-06/19 | 21.00 | 22.00 | 1.00 | 47.05 | 0.50 | 13.71 | 1.47 | 0.84 | 0.07 | 0.25 | 0.43 | 0.39 | 35.16 |
| MKML-06/20 | 22.00 | 23.00 | 1.00 | 40.43 | 0.84 | 21.61 | 3.09 | 1.57 | 0.08 | 0.13 | 0.66 | 0.78 | 30.38 |
| MKML-06/21 | 23.00 | 24.00 | 1.00 | 43.63 | 0.50 | 18.39 | 1.73 | 1.19 | 0.05 | 0.11 | 0.41 | 0.42 | 33.38 |
| MKML-06/22 | 24.00 | 25.00 | 1.00 | 41.48 | 0.74 | 21.15 | 2.71 | 1.11 | 0.07 | 0.05 | 0.70 | 0.70 | 30.85 |
| MKML-06/23 | 25.00 | 26.00 | 1.00 | 43.69 | 0.70 | 18.17 | 2.34 | 1.05 | 0.09 | 0.04 | 0.57 | 0.60 | 32.49 |
| MKML-06/24 | 26.00 | 27.00 | 1.00 | 43.44 | 0.61 | 19.80 | 2.04 | 0.96 | 0.10 | 0.09 | 0.40 | 0.55 | 31.87 |
| MKML-06/25 | 27.00 | 28.00 | 1.00 | 40.60 | 0.69 | 22.59 | 2.99 | 1.56 | 0.15 | 0.41 | 0.66 | 0.86 | 29.40 |
| MKML-06/26 | 28.00 | 29.00 | 1.00 | 40.03 | 0.75 | 23.79 | 2.79 | 1.13 | 0.12 | 0.03 | 0.77 | 0.74 | 29.59 |
| MKML-06/27 | 29.00 | 30.00 | 1.00 | 40.35 | 0.66 | 23.92 | 2.62 | 0.99 | 0.12 | 0.05 | 0.43 | 0.72 | 29.90 |
| MKML-06/28 | 30.00 | 31.00 | 1.00 | 39.24 | 0.74 | 25.35 | 2.84 | 1.33 | 0.13 | 0.13 | 0.38 | 0.75 | 28.82 |
| MKML-06/29 | 31.00 | 32.00 | 1.00 | 40.17 | 0.74 | 23.34 | 2.93 | 1.18 | 0.13 | 0.04 | 0.52 | 0.76 | 29.89 |

| Sample Number | Depth (m) |       | Thick (m) | CaO % | MgO % | SiO <sub>2</sub> % | Al <sub>2</sub> O <sub>3</sub> % | Fe <sub>2</sub> O <sub>3</sub> % | Na <sub>2</sub> O <sub>3</sub> % | SiO <sub>3</sub> % | P <sub>2</sub> O <sub>5</sub> % | K <sub>2</sub> O % | LOI % |
|---------------|-----------|-------|-----------|-------|-------|--------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|---------------------------------|--------------------|-------|
|               | From      | To    |           |       |       |                    |                                  |                                  |                                  |                    |                                 |                    |       |
| MKML-06/30    | 32.00     | 33.00 | 1.00      | 40.49 | 0.68  | 24.11              | 2.13                             | 1.15                             | 0.09                             | 0.03               | 0.41                            | 0.49               | 30.20 |
| MKML-06/31    | 33.00     | 34.00 | 1.00      | 39.87 | 0.70  | 24.42              | 2.87                             | 1.22                             | 0.12                             | 0.08               | 0.58                            | 0.78               | 29.11 |
| MKML-06/32    | 34.00     | 35.00 | 1.00      | 39.30 | 0.82  | 24.31              | 3.18                             | 1.52                             | 0.13                             | 0.16               | 0.59                            | 0.85               | 28.93 |
| MKML-06/33    | 35.00     | 36.00 | 1.00      | 41.01 | 0.71  | 22.18              | 2.64                             | 1.07                             | 0.11                             | 0.10               | 0.64                            | 0.68               | 30.41 |
| MKML-06/34    | 36.00     | 37.00 | 1.00      | 40.65 | 0.63  | 23.85              | 2.35                             | 0.95                             | 0.10                             | 0.04               | 0.57                            | 0.61               | 29.98 |
| MKML-06/35    | 37.00     | 38.00 | 1.00      | 40.28 | 0.76  | 22.86              | 3.19                             | 1.18                             | 0.08                             | 0.09               | 0.75                            | 0.86               | 29.70 |
| MKML-06/36    | 38.00     | 39.00 | 1.00      | 40.08 | 0.74  | 24.57              | 2.53                             | 1.29                             | 0.09                             | 0.09               | 0.54                            | 0.64               | 29.15 |
| MKML-06/37    | 39.00     | 40.00 | 1.00      | 38.73 | 0.86  | 24.82              | 3.52                             | 1.36                             | 0.14                             | 0.06               | 0.70                            | 0.92               | 28.55 |
| MKML-06/38    | 40.00     | 41.00 | 1.00      | 40.39 | 0.75  | 24.13              | 2.52                             | 1.22                             | 0.10                             | 0.04               | 0.51                            | 0.64               | 29.44 |
| MKML-06/39    | 41.00     | 42.00 | 1.00      | 39.41 | 0.68  | 24.91              | 2.60                             | 1.58                             | 0.10                             | 0.42               | 0.49                            | 0.66               | 29.17 |
| MKML-06/40    | 42.00     | 43.00 | 1.00      | 38.95 | 0.75  | 24.48              | 2.71                             | 1.25                             | 0.09                             | 0.05               | 0.55                            | 0.67               | 30.27 |
| MKML-06/41    | 43.00     | 44.00 | 1.00      | 41.66 | 0.55  | 22.85              | 1.95                             | 0.88                             | 0.08                             | 0.04               | 0.47                            | 0.49               | 30.84 |
| MKML-06/42    | 44.00     | 45.00 | 1.00      | 41.71 | 0.50  | 22.88              | 1.63                             | 0.72                             | 0.08                             | 0.03               | 0.41                            | 0.41               | 31.20 |
| MKML-06/43    | 45.00     | 46.00 | 1.00      | 41.55 | 0.68  | 22.34              | 2.14                             | 1.04                             | 0.09                             | 0.03               | 0.47                            | 0.51               | 30.98 |
| MKML-06/44    | 46.00     | 47.00 | 1.00      | 43.20 | 0.59  | 19.72              | 1.79                             | 0.92                             | 0.08                             | 0.03               | 0.35                            | 0.42               | 32.68 |
| MKML-06/45    | 47.00     | 48.00 | 1.00      | 49.31 | 0.46  | 10.28              | 0.99                             | 0.46                             | 0.05                             | 0.05               | 0.24                            | 0.26               | 37.79 |
| MKML-06/46    | 48.00     | 49.00 | 1.00      | 50.83 | 0.33  | 8.70               | 0.62                             | 0.26                             | 0.05                             | 0.02               | 0.10                            | 0.16               | 38.91 |
| MKML-06/47    | 49.00     | 50.00 | 1.00      | 49.38 | 0.35  | 11.18              | 0.82                             | 0.33                             | 0.05                             | 0.02               | 0.10                            | 0.22               | 37.46 |