

**Table 4. Monocarboxylic acids identified in the GRA 95229 meteorite**

<b>Carboxylic acid (R-COOH)<sup>†</sup></b>	<b>Nanomole/g</b>
formic	0.7
acetic	86.2
propionic	42.2
2-methylpropionic	35.6
butyric	125.5
S (+) 2-methylbutyric	21.0
R (-) 2-methylbutyric	21.9
3-methylbutyric	32.4
pentanoic	143.6
(±) 2-methylpentanoic	22.9
3-methylpentanoic	32.2
4-methylpentanoic	19.8
cyclohexane carboxylic a.	4.3
hexanoic	97.2
3-ethylpentanoic	9.5
heptanoic	45.4
S (+) 2-ethylhexanoic	22.0
R (-) 2-ethylhexanoic	27.1
octanoic	31.3
nonanoic	32.5
decanoic	4.9
benzoic	49.8

<sup>†</sup>Concentrations were measured by GC-MS and are approximate by  $\pm 4\%$ .