Recovery of Radioactivity 72 Hours Following Oral Gavage Administration of 118 mg/kg [^{14}C]Methyleugenol in Corn Oil to Male F344 Rats (Study 2)[a]

Dose Recovered in Excreta (%)[b]

End of Collection Period (h)	Urine CPDE[c]	Feces CPDE	Volatile Organics and CO_2[d] CPDE
72	~72	~13	< 0.1

Distribution in Tissues (72 hours)[e]

Tissue	% Dose Recovered	TBR[f]
Blood	0.068 ± 0.01	1.00
Brain	0.001 ± 0.00	0.08
Fat	0.049 ± 0.01	0.49
Heart	0.001 ± 0.00	0.30
Kidneys	0.007 ± 0.00	0.95
Large Intestine	0.005 ± 0.00	0.66
Liver	0.104 ± 0.00	2.54
Lungs	0.003 ± 0.00	0.68
Muscle	0.073 ± 0.02	0.17
Skin	0.064 ± 0.01	0.47
Small Intestine	0.005 ± 0.00	0.38
Spleen	0.001 ± 0.00	0.36
Stomach, Glandular	0.000 ± 0.00	0.29
Stomach, Muscular	0 001 ± 0.00	0.51
Testes	0.002 ± 0.00	0.22

[a] **This data is taken from an annual contractor report and not a final study report.**
[b] Values are approximate percent dose recovered (n = 3). The single oral dose was 118 mg/kg (50 μCi/kg) in corn oil vehicle. These approximations were taken from the text as the actual values for urine and feces were plotted and shown in a figure.
[c] CPDE = Cumulative percent dose excreted.
[d] Volatile organics and CO_2 in exhaled breath.
[e] Values are mean ± standard deviation (SD) (n = 3). The single oral dose was 118 mg/kg (50 μCi/kg) in corn oil vehicle.
[f] TBR = tissue/blood ratio. Mean ratio of [14C]-methyleugenol equivalents in tissue to [14C]-methyleugenol in blood, calculated from dpm per gram of tissue divided by dpm per gram of blood.