

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for TERPINOLENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abies alba	Leaf	28.0	38.0	-0.1836873778914288	--
Achillea millefolium	Leaf	1.0	50.0	-0.1684008925639172	--
Acinos alpinus	Shoot		0.5	-0.7914037461704306	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Acinos alpinus	Shoot		0.5	-0.7914037461704306	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Acorus calamus	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Acorus calamus	Rhizome				Pakistan Encyclopedia Planta Medica. 1986.
Agathosma betulina	Leaf Essent. Oil				--
Ageratum conyzoides	Shoot		20.0	-0.22817845236300732	R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
Aloysia citrodora	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Alpinia galanga	Rhizome				--
Anethum graveolens	Leaf	0.1	50.0	-0.1684008925639172	--
Angelica archangelica	Root	0.0	16.0	-1.0	--
Angelica archangelica	Root Essent. Oil				--
Apium graveolens	Seed Essent. Oil		2000.0	-0.6238102957663303	--
Apium graveolens	Leaf Essent. Oil		2000.0	-0.5940205732207128	--
Apium graveolens	Fruit Essent. Oil		2000.0	-0.6853536216871218	--
Apium graveolens	Root Essent. Oil		33000.0	-0.6841134180353257	--
Artemisia capillaris	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Boswellia sacra	Resin Essent. Oil		1000.0		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
Boswellia sacra	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Brassica oleracea var. capitata l.	Shoot		3.6	-0.7018653661292504	--
Calamintha nepeta	Shoot		0.9	-0.7798504068102784	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Callicarpa americana	Leaf		0.55	-0.23139395085103806	--
Canarium indicum	Essential Oil	600.0	1500.0	-0.3844043948569493	--
Capsicum annuum	Fruit				--
Carica papaya	Fruit				--
Carum carvi	Fruit				--
Carum carvi	Seed				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Chrysanthemum parthenium	Shoot				Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Cinnamomum verum	Bark	11.0	44.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cinnamomum verum	Leaf		24.0	-0.2015216107735257	Mallavarupu, G. R. et al. 1995. Investigation of the essential oil of cinnamon leaf grown at Bangalore and Hyderabad. Flav. & Fragr. J., 10: 239-242.
Cinnamomum camphora	Leaf		24.0	-0.2015216107735257	--
Cinnamomum verum	Root Bark				--
Cinnamomum aromaticum	Plant				--
Citrus sinensis	Fruit	1.0	2.0	-0.7498060467737104	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus limon	Essential Oil	14.0	120.0	-0.39476259711357375	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus mitis	Fruit Juice		0.3		--
Citrus paradisi	Pericarp	1.0	11.0		--
Citrus aurantium	Leaf	1.0	10.0	-0.2193558436556226	--
Citrus aurantium	Plant				--
Citrus paradisi	Leaf		28.0	-0.19642611566435517	--
Citrus limon	Pericarp Essent. Oil				Jim Duke's personal files.
Citrus aurantium	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Citrus aurantiifolia	Fruit	60.0	120.0	0.047285066012756526	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus reticulata	Fruit	2.0	3.0	-0.7430510373433167	--
Citrus aurantium	Pericarp				--
Citrus limon	Petiole		26.0		--
Citrus limon	Leaf Essent. Oil				Jim Duke's personal files.
Cleonia lusitanica	Leaf	1.0	1.0	-0.23082070765125634	Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442.
Coriandrum sativum	Seed Essent. Oil		5300.0	-0.303409676929149	--
Coriandrum sativum	Essential Oil				--
Coriandrum sativum	Fruit	13.0	26.0	-0.5876858204442595	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coridothymus capitatus	Shoot		22.0	-0.17041175556224597	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Crocus sativus	Silk Stigma Style				--
Cuminum cyminum	Seed Essent. Oil		400.0	-0.7791560503540546	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Curcuma longa	Leaf	115.0	485.0	0.3857342005583795	--
Cymbopogon nardus	Plant	21.0	84.0	0.003530759574834291	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Daucus carota	Root		1520.0	1.0	--
Daucus carota	Seed		10.0	-0.7835184536427809	--
Dictamnus albus	Shoot				Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of Dictamnus albus from Turkey. Planta Med. 60:481-2
Elsholtzia polystachya	Leaf		0.0	-0.23209458142854897	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Elsholtzia polystachya	Leaf		0.0	-0.23209458142854897	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Eucalyptus cuprea	Leaf		40.0	-0.18113963033684355	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus sparsa	Leaf		70.0	-0.14292341701806446	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus leucoxylon	Leaf	0.0	5.5	-0.22508827565343947	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus incrassata	Leaf		14.0	-0.21426034854645207	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J. 9(3):113-7
Eucalyptus globulus	Leaf Essent. Oil	1000.0	5000.0	-0.3048955154584189	--
Eucalyptus viridis	Leaf	0.0	0.5	-0.23145764453990264	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus dolichorhyncha	Leaf		6.0	-0.22445133876479315	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J. 9(3):113-7
Eucalyptus porosa	Leaf		47.0	-0.1722225138957951	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus brassiana	Leaf		0.7	-0.23120286978444407	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus intertexta	Leaf		120.0	-0.07922972815343268	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus angulosa	Leaf		1.5	-0.23018377076261	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus largisparsa	Leaf		4.6	-0.2262347620530028	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus tetraptera	Leaf		29.0	-0.19515224188706254	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus fasciculosa	Leaf		46.0	-0.17349638767308773	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus forrestiana	Leaf		55.0	-0.162031523677454	Bignell, C.M., Dunlop, P.J., Brophy, J. J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus grandis	Leaf Essent. Oil		3000.0	-0.49764555396661486	--
Eucalyptus desquamata	Leaf	0.0	15.0	-0.21298647476915944	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus ceratocorys	Leaf		6.0	-0.22445133876479315	Bignell, C.M., Dunlop, P.J., Brophy, J. J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus lansdowneana	Leaf		30.0	-0.19387836810976988	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus behriana	Leaf		2.7	-0.2286551222298588	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus populnea	Leaf		1.8	-0.22980160862942228	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus stoatei	Leaf		13.0	-0.2155342223237447	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus citriodora	Leaf Essent. Oil		3000.0	-0.49764555396661486	--
Eucalyptus melanophloia	Leaf	0.0	0.8	-0.2310754824067149	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus erythrandra	Leaf		7.0	-0.22317746498750052	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1994. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J.9(3):113-7
Eucalyptus odorata	Leaf		4.4	-0.2264895368084614	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus bridgesiana	Leaf		2.7	-0.2286551222298588	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Volatile Constituents of the Essential Oil of Eucalyptus bridgesiana Growing in India. Journal of Essential Oil Res. 3: 449-450.



Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus ochrophloia</i>	Leaf		0.5	-0.23145764453990264	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus citriodora</i>	Leaf	5.0	160.0	-0.028274777061727256	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ferula gummosa</i>	Gum				--
<i>Foeniculum vulgare</i>	Fruit	10.0	60.0	-0.35801549981087066	--
<i>Foeniculum vulgare</i>	Seed	10.0	60.0	-0.7380970940113153	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Foeniculum vulgare</i>	Plant		230.0	1.2922580043892404	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedeoma reverchonii</i>	Plant		222.0	1.2216428128925607	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedeoma hispida</i>	Plant		4.0	-0.7026211553919638	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hyptis suaveolens</i>	Shoot		6.0	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321.
<i>Hyptis suaveolens</i>	Shoot		6.0	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321.
<i>Hyssopus officinalis</i>	Shoot		47.5	0.5661136286474614	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.
<i>Hyssopus officinalis</i>	Leaf	1.0	20.0	-0.20661710588269624	--
<i>Hyssopus officinalis</i>	Shoot		40.0	0.34948851564460626	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Illicium verum</i>	Fruit	5.0	435.0	2.1751130365868003	--
<i>Juniperus communis</i>	Fruit Essent. Oil				--
<i>Juniperus virginiana</i>	Leaf				--
<i>Juniperus sabina</i>	Plant				--
<i>Juniperus communis</i>	Fruit	18.0	320.0	1.3982869520915144	--
<i>Juniperus communis</i>	Essential Oil				--
<i>Lantana camara</i>	Shoot		1.0	-0.7769620719702403	--
<i>Laurus nobilis</i>	Leaf	4.0	200.0	0.022680174029978174	--
<i>Lavandula x hybrida</i>	Shoot	10.0	17.0	-0.3148284975641494	Tucker, A.O., Maciarelo, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). <i>J. Ess. Oil Res.</i> 5: 443-445.
<i>Lavandula latifolia</i>	Plant	13.0	28.0	-0.49077558090192425	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Leonotis leonurus</i>	Se		2.0		Pedro, L.G., Barroso, J.G., Marques, N.T., Ascensao, L., Pais, M.S.S. and Scheffer, J.J.C. 1991. Composition of the Essential Oil from Sepals of <i>Leonotis leonurus</i> R. Br. <i>J. Ess. Oil Res.</i> 3: 451-3
<i>Lepechinia calycina</i>	Plant		45.0	-0.3407182989714797	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lindera benzoin</i>	Twig	0.0	2.0	-1.0	--
<i>Lindera benzoin</i>	Fruit	2.0	9.0	-0.7025209807609539	--
<i>Litsea glaucescens</i>	Shoot	30.0	35.0	0.20507177364270288	Tucker, et al, EB46(1):21-24.1992
<i>Melaleuca alternifolia</i>	Resin, Exudate, Sap				--
<i>Melaleuca alternifolia</i>	Leaf Essent. Oil		33000.0	2.3936050236563244	--
<i>Melaleuca linariifolia</i>	Leaf	600.0	750.0	0.7233107515409279	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Melaleuca alternifolia</i>	Root Essent. Oil		19200.0	-0.729853559357455	--
<i>Melaleuca cajuputi</i>	Leaf		800.0	0.7870044404055597	--
<i>Melaleuca alternifolia</i>	Leaf	236.0	6125.0	7.570382304488845	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melaleuca alternifolia	Essential Oil		429000.0	2.8243865215973427	--
Mentha pulegium	Essential Oil	100.0	4500.0	-0.36188656386428764	--
Mentha spicata	Essential Oil				--
Mentha pulegium	Plant	1.0	90.0	0.05649215319734414	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha aquatica	Shoot		2.0	-0.7480787235698596	Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha aquatica	Shoot		1.0	-0.7769620719702403	Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha x piperita	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha longifolia	Shoot	0.0	20.0	-0.22817845236300732	--
Mentha aquatica	Shoot		2.0	-0.7480787235698596	Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
Mentha spicata	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha aquatica	Shoot		1.0	-0.7769620719702403	Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha aquatica</i>	Shoot		2.0	-0.7480787235698596	Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Micromeria fruticosa</i>	Shoot		12.0	-0.4592452395660528	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria myrtifolia</i>	Shoot		0.1	-0.8029570855305829	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria teneriffae</i>	Leaf		80.0	-0.1301846792451381	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria varia</i>	Shoot		3.0	-0.7191953751694788	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
<i>Micromeria fruticosa</i>	Shoot		12.0	-0.4592452395660528	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria croatica</i>	Leaf		10.0	-0.2193558436556226	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Leaf		1.0	-0.23082070765125634	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria thymifolia</i>	Leaf		3.0	-0.22827296009667106	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria congesta	Leaf	1.0	3.0	-0.22827296009667106	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria varia	Shoot		3.0	-0.7191953751694788	--
Monarda didyma	Flower		4.0	-1.0	Flavour and Fragrance Journal, 6: 80.
Monarda didyma	Plant	15.0	160.0	0.6743750787932923	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Leaf	10.0	15.0	-0.21298647476915944	--
Murraya koenigii	Leaf		25.0	-0.20024773699623308	--
Myrciaria dubia	Fruit				--
Myristica fragrans	Seed	340.0	2720.0	1.6783192383826524	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Myristica fragrans	Seed Essent. Oil	14000.0	26000.0	1.7063760230495335	--
Myristica fragrans	Essential Oil	10000.0	17000.0	-0.26806226806153055	--
Myrrhis odorata	Essential Oil		100.0	-0.3949127159868581	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
Myrtus communis	Plant	0.0	1.0	-0.7291018522032187	--
Ocimum basilicum	Leaf Essent. Oil		2600.0	-0.536195561668254	--
Ocimum gratissimum	Shoot		23.0	-0.1415284071618653	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum tenuiflorum	Leaf		55.0	-0.162031523677454	Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461.
Ocimum basilicum	Shoot Essent. Oil		400.0	-1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum kilimandscharicum	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ocimum basilicum	Plant	1.0	22.0	-0.5437369745244341	--
Ocimum basilicum	Essential Oil		1000.0	-0.38815736668905965	--
Origanum onites	Shoot		60.0	0.9271554836522199	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum sipyleum	Shoot		170.0	4.1043238076940955	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum sipyleum	Shoot		35.0	0.20507177364270288	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum vulgare	Plant		1.0	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Shoot		0.0	-0.8058454203706209	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Origanum majorana	Leaf	50.0	600.0	0.5322296849470326	--
Origanum syriacum	Shoot		45.0	0.49390525764650967	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum majorana	Plant	75.0	430.0	3.057637791806235	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum sipyleum	Shoot		35.0	0.20507177364270288	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum vulgare	Plant		1.0	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Shoot Essent. Oil		5500.0	1.0	--
Origanum vulgare	Plant		1.0	-0.7291018522032187	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum majorana	Essential Oil		20000.0	-0.2455444370688689	--
Origanum onites	Shoot		60.0	0.9271554836522199	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum syriacum	Shoot		45.0	0.49390525764650967	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum sipyleum	Shoot		1.8	-0.7538553932499358	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum minutiflorum	Shoot	20.0	27.0	-0.025995013560342572	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of Origanum minutiflorum O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
Origanum vulgare	Plant	2.0	16.0	-0.596698368146944	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum vulgare	Plant		15.0	-0.605525267084029	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum syriacum	Shoot				Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Pastinaca sativa	Root Essent. Oil	253000.0	666000.0	1.413966977392781	--
Perilla frutescens	Leaf Essent. Oil		1000.0	-0.6903955924748107	Kang, R., Helms, R., Stout, M.J., Jaber, H., Chen, Z., and Nakatsu, T. 1992. Antimicrobial Activity of the Volatile Constituents of Perilla frutescens and Its Synergistic Effects with Polygodial. J. Agric. Food Chem., 40: 2328-2330.
Petroselinum crispum	Fruit Essent. Oil	10000.0	50500.0	1.4139927352702726	--
Petroselinum crispum	Seed	6.0	700.0	-0.1567036907285562	--
Petroselinum crispum	Leaf	33.0	105.0	-0.09833783481282221	--
Picea mariana	Twig		46.0	1.0	--
Pimenta dioica	Fruit		42.0	-0.47960566955795886	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pimenta dioica	Leaf Essent. Oil				--
Pimenta dioica	Leaf		27.0	-0.1976999894416478	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pinus sylvestris	Resin, Exudate, Sap				--
Pinus sylvestris	Flower				--
Pinus sylvestris	Leaf Essent. Oil		26000.0	1.7189798888776386	--
Pinus sylvestris	Essential Oil				--
Piper cubeba	Fruit Essent. Oil				--
Piper nigrum	Fruit Essent. Oil		1000.0	-0.7286391135831505	--
Piper nigrum	Fruit				--
Piper auritum	Leaf				Tramil
Piper nigrum	Seed Essent. Oil				--
Prunus armeniaca	Essential Oil				--
Pycnanthemum tenuifolium	Shoot	1.0	20.0	-0.22817845236300732	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.



Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum loomisii</i>	Shoot	33.0	84.0	1.6203558452613562	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Bud				--
<i>Ribes nigrum</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosmarinus x mendizabalii</i>	Shoot	16.0	33.0	0.1473050768419415	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Shoot	25.0	65.0	1.0715722256541234	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus x lavandulaceus</i>	Shoot	19.0	80.0	1.5048224516598334	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Shoot	19.0	65.0	1.0715722256541234	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Resin, Exudate, Sap				--
<i>Rosmarinus tomentosus</i>	Shoot	16.0	40.0	0.34948851564460626	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the <i>Rosmarinus eriocalyx-tomentosus</i> Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Shoot		9.0	-0.5458952847671948	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus eriocalyx	Shoot	11.0	35.0	0.20507177364270288	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Leaf Essent. Oil		3000.0	-0.49764555396661486	--
Rosmarinus officinalis	Plant	12.0	350.0	2.3514858768394373	--
Rosmarinus eriocalyx	Shoot	11.0	35.0	0.20507177364270288	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Salvia officinalis	Leaf Essent. Oil		2000.0	-0.5940205732207128	--
Salvia dorisiana	Shoot	8.6	10.0	-0.5170119363668141	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8.
Salvia sclarea	Plant	1.0	12.0	-0.632005963895284	Flavour and Fragrance Journal, 6: 154.
Salvia canariensis	Leaf		0.1	-0.23196719405081967	Casnigueral, S., Iglesias, J., Vila, R., Virgili, A. and Ibanez, C. 1994. The Essential Oil from Leaves of Salvia canariensis L. Flav. & Frag. J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave. Diagonal 643, E-08028, Barcelona Spain
Salvia officinalis	Plant		112.0	0.2506839298132136	--
Sassafras albidum	Leaf	0.0	0.6	-0.23133025716217334	--
Satureja cuneifolia	Shoot		25.0	-0.08376171036110393	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Satureja douglasii	Plant		39.0	-0.39367969259398955	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Satureja obovata	Leaf		215.0	0.041788280689367706	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja obovata	Leaf		170.0	-0.015536039288800898	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja montana	Plant	0.6	25.0	-0.5172562777131792	--
Satureja thymbra	Shoot		37.0	0.26283847044346426	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Satureja hortensis	Plant				--
Satureja obovata	Leaf		190.0	0.009941436257051815	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Sideritis pauli	Shoot		10.0	-0.5170119363668141	Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of Sideritis pauli Pau. FFJ7: 47-8. 1992.
Sideritis germanicolpitana	Plant	10.0	11.0	-0.640832862832369	J. Essential Oil, 4: 533.
Sideritis mugronensis	Leaf	5.0	90.0	-0.11744594147221175	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Sideritis mugronensis	Flower	5.0	10.0	1.0	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Stevia rebaudiana	Leaf				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Flower				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tagetes minuta	Essential Oil		1200.0	-0.38665617795621554	--
Tanacetum parthenium	Plant				--
Tanacetum parthenium	Shoot				Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Teucrium polium	Shoot		5.0	-0.6614286783687175	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.
Teucrium gnaphalodes	Shoot		10.0	-0.5170119363668141	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.
Thymus longicaulis	Shoot		0.0	-0.8058454203706209	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus cilicicus	Shoot		26.0	-0.05487836196072325	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of Thymus cilicicus Boiss. & Bal. J. Ess. Oil Res. 6: 97-8.
Thymus funkii	Shoot				Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus capitatus	Plant	1.0	30.0	-0.4731217830277543	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus longicaulis	Shoot		120.0	2.660156387675061	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus saturejoides	Shoot		150.0	3.5266568396864817	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5: 45-53.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus broussonettii	Shoot		30.0	0.06065503164079947	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5: 45-53.
Thymus funkii	Shoot		5.0	-0.6614286783687175	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus orospedanus	Plant				J. Nat. Prod.
Thymus zygis	Shoot		10.0	-0.5170119363668141	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5: 45-53.
Thymus longicaulis	Shoot		0.0	-0.8058454203706209	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus riatarum	Shoot		35.0	0.20507177364270288	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and Il Idrissi, A. 1991. Analysis of the Essential Oil of Thymus riatarum. J. Ess. Oil Res. 3: 43-4.
Thymus mastichina	Plant		1.0	-0.7291018522032187	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Trichostemma dichotomum	Shoot		3.0	-0.7191953751694788	Tucker, A.O. and Maciarello, M.J. 1990. The Essential Oil of Trichostemma dichotomum. J. Ess. Oil Res. 2: 149-150.
Umbellularia californica	Plant	40.0	160.0	0.6743750787932923	--
Valeriana officinalis	Leaf Essent. Oil	3100.0	9200.0	0.09987956540879277	--
Valeriana officinalis	Root Essent. Oil				--
Valeriana officinalis	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Valeriana officinalis	Leaf	7.0	235.0	0.06726575623522042	Father Nature's Farmacy: The aggregate of all these three-letter citations.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zingiber officinale	Rhizome Essent. Oil		1800.0		--
Zingiber officinale	Rhizome	1.0	90.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.