

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ALPHA-PINENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abies spectabilis	Leaf	150.0	515.0	-0.19110838141157097	--
Abies alba	Resin, Exudate, Sap				--
Abies sachalinensis	Branches	2400.0	2700.0		--
Abies alba	Plant	590.0	826.0	0.103074737609829	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Abies balsamea	Plant	545.0	5050.0	3.0923482814746928	--
Achillea millefolium	Leaf	1.0	1000.0	-0.15961997585151536	--
Acinos suaveolens	Shoot		9500.0	0.8000049482979785	Jim Duke's personal files.
Acinos alpinus	Shoot		0.5	-0.1473986407055565	Velasco-Negueruela, A., Perez-Alonso, M.J., Jimenez, 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	-0.1473986407055565	Velasco-Negueruela, A., Perez-Alonso, M.J., Jimenez, 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	Rhizome		280.0	-1.3131983079178744	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Aesculus hippocastanum	Flower Essent. Oil		177000.0	1.0	Jim Duke's personal files.
Agastache rugosa	Essential Oil				Jim Duke's personal files.
Agastache urticifolia	Plant		32.0	-0.45882942759582984	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agastache nepetoides	Plant		20.0	-0.46732168198180957	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Agastache rugosa	Tissue Culture				Jim Duke's personal files.
Agastache foeniculum	Plant	1.0	35.0	-0.4567063639993349	--
Agathosma betulina	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Agathosma betulina	Leaf Essent. Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ageratum conyzoides	Plant	0.8	6.5	-0.47687546816603676	--
Ageratum conyzoides	Shoot		420.0	-0.10556109077271972	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	1.0	7.0	-0.4765216242332876	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Alpinia galanga	Rhizome Essent. Oil		11600.0	-0.48077129547612496	--
Alpinia galanga	Leaf		900.0	-0.16611243060616598	--
Alpinia galanga	Leaf Essent. Oil		11600.0	-0.6893411812730241	--
Alpinia galanga	Rhizome	5.0	555.0	0.2020305089104413	--
Amomum xanthioides	Seed				--
Amomum compactum	Seed		960.0	-0.3992830381083963	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Anethum graveolens	Fruit	24.0	1001.0	-0.4574419530274206	--
Anethum graveolens	Seed Essent. Oil				--
Anethum graveolens	Seed	12.0	1001.0	-0.394802482900677	--
Anethum graveolens	Shoot Essent. Oil	17500.0	31700.0	1.9801582592954505	--
Anethum graveolens	Leaf	25.0	405.0	-0.19825008164168667	--
Anethum graveolens	Essential Oil				--
Angelica archangelica	Root	35.0	5890.0	2.1989183610646146	--
Angelica archangelica	Root Essent. Oil				--
Angelica sinensis	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica archangelica	Fruit				--
Angelica archangelica	Seed	170.0	1500.0	-0.34027084756770226	--
Angelica archangelica	Seed Essent. Oil		149000.0	0.28611774259215744	--
Aniba rosaeodora	Essential Oil				--
Annona squamosa	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Apium graveolens	Stem Essent. Oil		14000.0	-1.0	--
Apium graveolens	Leaf Essent. Oil		2000.0	-0.7421534872468563	--
Apium graveolens	Seed		300.0	-0.47140904876924467	--
Apium graveolens	Seed Essent. Oil	10000.0	10500.0	-0.6694735069151678	--
Apium graveolens	Fruit Essent. Oil		10000.0	-0.7166152772658864	--
Apium graveolens	Et	12000.0	14000.0	-1.0	--
Apium graveolens	Root Essent. Oil		179000.0	0.7700366703490429	--
Aralia cordata	Root		475.0	-0.5516344052012409	--
Artemisia vulgaris	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Artemisia capillaris	Essential Oil				--
Artemisia dracunculus	Root Essent. Oil				--
Artemisia salsoloides	Shoot		3300.0	0.18166690399860314	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of Artemisia salsoloides Willd. from Ladakh, Flavour and Fragrance Journal, Vol.7, 299-305.
Artemisia herba-alba	Plant				--
Artemisia annua	Leaf	1345.0	3760.0	0.019571775376842463	--
Artemisia dracunculus	Leaf Essent. Oil				--
Artemisia dracunculus	Shoot	100.0	1000.0	-0.04771656404793942	--
Artemisia annua	Shoot	12.0	7840.0	0.6344499235339521	--
Artemisia dracunculus	Essential Oil		10000.0	-0.47207505752571344	--
Asiasarum heterotropoides	Root				--
Ballota nigra	Plant		3.0	-0.47935237569528083	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Barosma betulina	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Boswellia sacra	Resin Essent. Oil		35000.0		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	Resin, Exudate, Sap	1050.0	71600.0	-1.0059071766104755	--
Boswellia serrata	Resin, Exudate, Sap		9920.0	-1.1654001321985943	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Boswellia sacra	Essential Oil		410000.0	3.047713203652598	Wang, W., Zhu, Y. X., Liu, L. Z., Ling, D. K., Qin, X. L., Tian, J. G. 1993. Analysis of the Chemical Constituents of Essential Oil of Boswellia carterii Birdwood from Somali. Yaowu Fenxi Zazhi 13 3: 170-173.
Boswellia serrata	Essential Oil				--
Calamintha nepeta	Plant		40.0	-0.45316792467184336	J. Ethnopharmacology, 39: 167.
Calamintha nepeta	Shoot		13.0	-0.14615199142269486	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Calamintha nepeta	Leaf		90.0	-0.21870131411883623	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey. J. Ess. Oil Res., 3: 7-10.
Callicarpa americana	Leaf		28.0	-0.2227266360667196	--
Camellia sinensis	Leaf				--
Canarium indicum	Essential Oil	400.0	1000.0	-0.5512702934022254	--
Capsicum annuum	Fruit				--
Carum carvi	Fruit	42.0	540.0	-0.577800039343025	--
Carum carvi	Plant		20.0	-0.46732168198180957	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Carum carvi	Seed	4.0	540.0	-0.4451814085289362	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Centella asiatica	Shoot				Jim Duke's personal files.
Centella asiatica	Essential Oil		2000.0	-0.5424708227492797	Jim Duke's personal files.
Centella asiatica	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Chamaemelum nobile	Plant				--
Chenopodium ambrosioides	Plant	440.0	4800.0	2.9154263151001154	--
Chrysanthemum parthenium	Shoot		15.0	-0.14595252753743698	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.
Chrysanthemum balsamita	Plant				--
Chrysanthemum x morifolium	Plant	3.0	14.0	-0.4715678091747994	Wealth of India.
Cinnamomum camphora	Plant				--
Cinnamomum verum	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cinnamomum camphora	Leaf	140.0	280.0	-0.206365650085	--
Cinnamomum verum	Stem Bark				--
Cinnamomum verum	Leaf Essent. Oil		2000.0	-0.7421534872468563	--
Cinnamomum aromaticum	Plant				--
Cinnamomum aromaticum	Bark				Wealth of India.
Cinnamomum verum	Bark Essent. Oil		2000.0		--
Cinnamomum verum	Bark	20.0	236.0	1.0	--
Cinnamomum verum	Root Bark				--
Cistus ladaniferus	Leaf	40.0	31500.0	1.8205787243169311	--
Citrus mitis	Fruit Juice		5.6	0.9999999999999999	--
Citrus limon	Leaf Essent. Oil	500.0	2000.0	-0.7421534872468563	Jim Duke's personal files.
Citrus aurantiifolia	Fruit	80.0	240.0	-0.6561241736048067	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus paradisi	Leaf		55.0	-0.22097367328296394	--
Citrus sinensis	Fruit Juice		0.22	-0.9999999999999999	--
Citrus paradisi	Fruit				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Citrus reticulata	Fruit	50.0	55.0	-0.7044240563995721	--
Citrus limon	Fruit Essent. Oil		7000.0	-0.7563238037559155	Jim Duke's personal files.
Citrus limon	Pericarp Essent. Oil	5000.0	14000.0		Jim Duke's personal files.
Citrus paradisi	Pericarp	12.0	47.0		--
Citrus aurantium	Plant				--
Citrus sinensis	Plant				--
Citrus limon	Pericarp				Jim Duke's personal files.
Citrus limon	Essential Oil	40.0	500.0	-0.5556700287286983	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus aurantium	Leaf		1.0	-0.22447959885047528	--
Citrus limon	Petiole		90.0		--
Citrus sinensis	Fruit	35.0	40.0	-0.7083402631126611	--
Cleistocalyx fullageri	Leaf		59488.0	3.6376869610485536	--
Cleonia lusitanica	Leaf	90.0	170.0	-0.2135073503151157	Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442.
Coleus barbatus	Stem Essent. Oil		66800.0	1.0	Jim Duke's personal files.
Coleus barbatus	Leaf Essent. Oil		66800.0	-0.3856704219234889	Jim Duke's personal files.
Coleus barbatus	Root Essent. Oil		77000.0	-0.3740819075912684	Jim Duke's personal files.
Collinsonia canadensis	Plant				--
Commiphora myrrha	Resin, Exudate, Sap				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Coriandrum sativum	Essential Oil				--
Coriandrum sativum	Seed Essent. Oil	11400.0	52980.0	-0.3763795265608634	--
Coriandrum sativum	Fruit	819.0	13780.0	2.8789050860769403	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coridothymus capitatus	Shoot		44.0	-0.14306030120119798	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				--
Croton eluteria	Bark				--
Croton lechleri	Plant				Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Cuminum cyminum	Seed Essent. Oil		3000.0	-0.7212203254805465	--
Cuminum cyminum	Fruit	9.0	330.0	-0.6326269333262723	--
Cuminum cyminum	Seed	9.0	330.0	-0.4681305937392061	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cunila origanoides	Shoot		812.0	-0.06646616926217855	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Curcuma longa	Leaf	60.0	1440.0	-0.1310531749310525	--
Curcuma zedoaria	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
Curcuma longa	Rhizome				--
Curcuma longa	Rhizome Essent. Oil		5300.0	-0.9114147781537915	--
Curcuma longa	Essential Oil		5300.0	-0.5134325695945586	--
Curcuma longa	Tuber				--
Cymbopogon citratus	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon winterianus	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon nardus	Plant	78.0	312.0	-0.2606768252563028	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Daucus carota	Shoot		12.0	-0.1462517233653238	--
Daucus carota	Seed	12.0	1300.0	-0.362127214434626	--
Daucus carota	Root		48.0	-0.7685293324764985	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Dictamnus albus	Shoot		0.7	-0.14737869431703063	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
Dictamnus albus	Shoot		1.0	-0.14734877473424204	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
Dictamnus albus	Shoot		0.7	-0.14737869431703063	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
Dracocephalum thymiflora	Plant		2.0	-0.4800600635607791	--
Echinacea spp	Fruit				Economic & Medicinal Plant Research, 5: 253.
Elettaria cardamomum	Fruit Essent. Oil	12000.0	16000.0	-0.6371982242858282	--
Elettaria cardamomum	Fruit	217.0	3000.0	0.06445786160358473	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Elettaria cardamomum	Root Essent. Oil		123000.0	0.14189313736220527	--
Elettaria cardamomum	Seed Essent. Oil	6900.0	17000.0	-0.6246262641585064	--
Elsholtzia polystachya	Leaf		1.2	-0.22446661394096595	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 cristata	Shoot		0.1	-0.14743853348260805	Kobold, U., Vostrowsky, O., Bestmann, H.J., Bisht, J.C., Pant, A.K., Melkani, A.B. and Mathela, C.S. 1987. Terpenoids from Elsholtzia Species; II. Constituents of Essential Oil from a New Chemotype of Elsholtzia cristata. Planta Medica 1987: 268-271.
Elsholtzia polystachya	Leaf		1.2	-0.22446661394096595	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 pilosa	Shoot		7.6	-0.14669054391289105	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elsholtzia blanda	Shoot		0.4	-0.14740861389981944	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Perihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtzia blanda Benth. (Labiatae). J. Ess. Oils Res. 4: 121-124
Eryngium foetidum	Plant	5.0	25.0	-0.463783242654318	--
Eucalyptus bosistoana	Shoot		1220.0	-0.02577553666957448	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Essential Oil		52000.0	-0.10249729010199074	--
Eucalyptus tetraptera	Leaf		4355.0	0.0582018811670138	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 viridis	Leaf		55.0	-0.22097367328296394	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 ochrophloia	Leaf		21.0	-0.22318110789954515	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 porosa	Leaf		2100.0	-0.08820297355035825	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 sideroxylon	Shoot		300.0	-0.1175289238881915	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus erythrandra	Leaf		4970.0	0.09813047790811527	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 punctata	Shoot		3075.0	0.15922721690709354	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus cuprea	Leaf		1595.0	-0.120989870061344	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 oviformis	Shoot		315.0	-0.11603294474875753	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus populnea	Leaf		71.0	-0.21993488052221985	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 dealbata	Shoot		235.0	-0.12401150015907206	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus blakelyi	Shoot		0.1	-0.14743853348260805	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus ceratocorys	Leaf		3185.0	-0.017759839462398744	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 melliodora	Shoot		3000.0	0.15174732120992368	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus brassiana	Leaf		825.0	-0.17098177167215398	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.
Eucalyptus incrassata	Leaf		5295.0	0.11923095586072986	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 angulosa	Leaf		835.0	-0.1703325261966889	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	Fruit Essent. Oil		40900.0	-0.3076174544185865	--
Eucalyptus grandis	Leaf Essent. Oil		689000.0	3.0372271590055115	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus fasciculosa</i>	Leaf		90.0	-0.21870131411883623	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 tereticornis</i>	Shoot		585.0	-0.08910532023894602	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus desquamata</i>	Leaf		3000.0	-0.029770880758502438	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 behriana</i>	Leaf		65.0	-0.22032442780749886	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 siderophloia</i>	Shoot		150.0	-0.13248871528253123	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus lansdowneana</i>	Leaf		420.0	-0.19727621342848908	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

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus dolichorhyncha</i>	Leaf		1425.0	-0.1320270431442501	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 <i>Eucalyptus</i> . Part I. Subgenus <i>Symphomyrtus</i> , Section <i>Dumaria</i> , Series <i>Incrassatae</i> . Flavour and Fragrance J.9(3):113-7
<i>Eucalyptus polyanthemos</i>	Shoot		135.0	-0.1339846944219652	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus largisparsa</i>	Leaf		2495.0	-0.06255777726948819	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 globulus</i>	Leaf	1250.0	8750.0	0.34354526763390963	--
<i>Eucalyptus occidentalis</i>	Shoot		1340.0	-0.013807703554102694	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus cladocalyx</i>	Shoot		260.0	-0.12151820159334877	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus astringens</i>	Shoot		4325.0	0.28389214519325795	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
<i>Eucalyptus camaldulensis</i>	Shoot		410.0	-0.10655841019900904	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven <i>Eucalyptus</i> Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus maideni	Shoot		3000.0	0.15174732120992368	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus botryoides	Shoot		820.0	-0.06566831372114709	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Shoot		119000.0	11.720652666165982	--
Eucalyptus albens	Shoot		315.0	-0.11603294474875753	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus globulus	Leaf Essent. Oil	5000.0	260000.0	0.6771772357998844	--
Eucalyptus citriodora	Essential Oil				--
Eucalyptus melanophloia	Leaf		6.0	-0.22415497611274277	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 leucoxydon	Leaf		720.0	-0.17779884916453714	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		3290.0	-0.010942761970015568	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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus odorata	Leaf		190.0	-0.21220885936418557	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 saligna	Shoot		370.0	-0.11054768790416629	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus intertexta	Leaf		1920.0	-0.09988939210872941	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 diversicolor	Shoot		710.0	-0.07663882741032957	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus paniculata	Shoot		355.0	-0.11204366704360026	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus sparsa	Leaf		2495.0	-0.06255777726948819	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 citriodora	Leaf	5.0	380.0	-0.19987319533034933	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus moluccana	Shoot		935.0	-0.05419914031881997	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus citriodora	Shoot				--
Eucalyptus citriodora	Leaf Essent. Oil	2900.0	6000.0	-0.7201483597577595	--
Eucalyptus bridgesiana	Leaf		255.0	-0.20798876377366265	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.
Eucalyptus maculata	Shoot		7330.0	0.5835866327931971	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264.
Eucalyptus nova-anglica	Leaf	0.1	1185.0	-0.14760893455541166	Brophy, J. L., Lassak, E. V., & Boland, D. J. 1992. The Leaf Essential Oils of Eucalyptus nova-anglica. Deane & Maiden. Journal of Essential Oil Res. 4: 29-32.
Eucalyptus forrestiana	Leaf		10110.0	0.43184265229715846	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
Ferula assa-foetida	Essential Oil				--
Ferula assa-foetida	Seed Essent. Oil		14300.0	-0.6432551188420427	--
Ferula gummosa	Plant				--
Ferula assa-foetida	Gum		143000.0		--
Ficus carica	Leaf Essent. Oil				--
Foeniculum vulgare	Root Essent. Oil		10000.0	-1.125610777414806	Jim Duke's personal files.
Foeniculum vulgare	Plant		480.0	-0.14178526385258663	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Foeniculum vulgare	Seed Essent. Oil	4700.0	12000.0	-0.6591241432020921	Jim Duke's personal files.
Foeniculum vulgare	Seed	200.0	8820.0	0.4596721797617065	--
Foeniculum vulgare	Fruit	200.0	8820.0	1.5839460662821494	--
Foeniculum vulgare	Essential Oil	5800.0	56000.0	-0.06729940749020763	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glechoma hederacea	Plant	4.0	22.0	-0.4659063062508129	--
Gossypium sp	Plant				--
Hedeoma reverchonii	Plant		525.0	-0.10993930990516265	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma drummondii	Plant	7.0	6780.0	4.31664828878677	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma pulegioides	Pollen Or Spore		4000.0		--
Hedeoma pulegioides	Plant	24.0	210.0	-0.3328609875371305	--
Hedeoma hispida	Plant		18.0	-0.46873705771280616	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedychium flavum	Shoot		590.0	-0.08860666052580135	--
Helianthus annuus	Plant				Stitt, Paul. Why George should eat broccoli.
Hesperis matronalis	Flower				Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from Hesperis matronalis Flowers. Phytochemistry, 38(4): 847-851.
Houttuynia cordata	Essential Oil				--
Houttuynia cordata	Shoot Essent. Oil				--
Houttuynia cordata	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Humulus lupulus	Essential Oil				--
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hypericum perforatum	Shoot Essent. Oil				--
Hypericum perforatum	Fruit Essent. Oil				--
Hypericum perforatum	Plant	13.0	245.0	-0.3080919122446896	--
Hypericum perforatum	Leaf Essent. Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyptis suaveolens	Shoot		48.0	-0.14266137343068225	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
Hyptis suaveolens	Shoot		48.0	-0.14266137343068225	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
Hyptis suaveolens	Plant		215.0	-0.32932254820963897	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
Hyssopus officinalis	Essential Oil				--
Hyssopus officinalis	Shoot		20.0	-0.14545386782429234	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot				Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		70.0	-0.14046727069284576	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		80.0	-0.13946995126655645	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		40.0	-0.1434592289717137	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		60.0	-0.14146459011913506	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyssopus officinalis	Shoot		170.0	-0.13049407642995262	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two Hyssopus officinalis cultivars. J. Ess. Oil Res. 5: 609-611.
Hyssopus officinalis	Shoot		30.0	-0.144456548398003	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Leaf	0.1	1460.0	-0.12975468398012238	--
Hyssopus officinalis	Shoot		40.0	-0.1434592289717137	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		40.0	-0.1434592289717137	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		170.0	-0.13049407642995262	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two Hyssopus officinalis cultivars. J. Ess. Oil Res. 5: 609-611.
Illicium verum	Fruit	50.0	1310.0	-0.37676809473778544	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Isanthus brachiatus	Plant		684.0	0.002583060709068898	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Juglans nigra	Essential Oil		17000.0	-0.410478762955093	--
Juglans nigra	Fruit				--
Juniperus virginiana	Leaf				--
Juniperus communis	Essential Oil		336000.0	2.3965523753346103	--
Juniperus sabina	Plant				--
Juniperus communis	Fruit Essent. Oil				--
Juniperus communis	Fruit	530.0	9200.0	1.683156636347073	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juniperus communis	Leaf Essent. Oil				--
Lantana camara	Leaf				--
Lantana camara	Shoot		35.0	-0.14395788868485837	--
Larrea tridentata	Essential Oil				--
Laurus nobilis	Leaf Essent. Oil	1300.0	76600.0	-0.3317578595752018	--
Laurus nobilis	Leaf		125.0	-0.21642895495470849	--
Laurus nobilis	Bark		27.0	-1.0	--
Laurus nobilis	Flower		0.0	-0.8461946767360643	--
Laurus nobilis	Fruit Essent. Oil		93000.0	0.38198728895825224	--
Laurus nobilis	Wood		0.0		--
Lavandula x intermedia	Plant	28.0	120.0	-0.39655289543197847	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula latifolia	Plant	90.0	748.0	0.04787508410096078	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula angustifolia	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula x hybrida	Shoot	300.0	455.0	-0.10207047278070712	Tucker, A.O., Maciarello, M.J., Angell, S., Espailat, J.R., and French, E.C. 1993. The Essential Oil of Lavandula x hybrida Balb. ex Ging., a Distinct Hybrid from L. x heterophylla Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
Leonotis leonurus	Se		65.0		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 Leonotis leonurus R. Br. J. Ess. Oil Res. 3: 451-3
Leonurus cardiaca	Plant	6.0	28.0	-0.4616601790578231	--
Lepechinia calycina	Plant		325.0	-0.2514768830048248	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lepechinia schiediana	Plant		200.0	-0.33993786619211364	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Leptospermum polygalifolium	Leaf	116875.0	137500.0	8.702580764246616	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Levisticum officinale	Root	20.0	200.0	-0.691320833774299	--
Lindera benzoin	Leaf		2.0	-0.22441467430292877	--
Lindera benzoin	Fruit	125.0	190.0	-0.6691781959817703	--
Lindera benzoin	Twig	35.0	43.0		--
Lippia alba	Plant				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Litsea glaucescens	Shoot	90.0	140.0	-0.13348603470882056	Tucker, et al, EB46(1):21-24.1992
Lycopersicon esculentum	Fruit				--
Lycopus virginicus	Plant	266.0	666.0	-0.010155320869900694	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lycopus uniflorus	Plant	8.0	22.0	-0.4659063062508129	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Magnolia kobus	Flower				--
Magnolia denudata	Leaf				--
Magnolia denudata	Bark				--
Magnolia fargesii	Flower				--
Magnolia denudata	Flower				--
Magnolia officinalis	Plant				--
Magnolia denudata	Twig				--
Magnolia denudata	Bulb				--
Mangifera indica	Flower				--
Marrubium vulgare	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Marrubium vulgare	Essential Oil				--
Melaleuca alternifolia	Resin, Exudate, Sap				--
Melaleuca alternifolia	Leaf Essent. Oil		25000.0	-0.61562400418455	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melaleuca linariifolia	Leaf	150.0	400.0	-0.1985747043794192	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Melaleuca leucadendra	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Melaleuca alternifolia	Root Essent. Oil		9800.0	-1.1278541471754733	--
Melaleuca alternifolia	Leaf	200.0	700.0	-0.17909734011546727	--
Melaleuca leucadendra	Plant				--
Melaleuca cajuputi	Leaf		250.0	-0.2083133865113952	--
Melaleuca alternifolia	Essential Oil	23000.0	24000.0	-0.34888246838447257	--
Melaleuca viridiflora	Leaf				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Meleleuca howeana	Leaf	102.0	221.0	-0.21019619839024387	--
Mentha x piperita	Leaf	5.0	230.0	-0.20961187746232532	--
Mentha longifolia	Shoot	7.0	1065.0	-0.04123398777705887	--
Mentha aquatica	Shoot		13.0	-0.14615199142269486	Umemoto, 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		8.0	-0.14665065113583953	Umemoto, 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	Shoot				--
Mentha pulegium	Shoot Essent. Oil				--
Mentha aquatica	Leaf	18.0	68.0	-0.22012965416485936	--
Mentha spicata	Leaf	5.0	375.0	-0.20019781806808187	--
Mentha arvensis var. piperascens	Plant	10.0	300.0	-0.26916907964228254	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha aquatica</i>	Shoot		14.0	-0.14605225948006592	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>Mentha pulegium</i>	Leaf Essent. Oil		7000.0	-0.7146470778854853	--
<i>Mentha x rotundifolia</i>	Leaf	4.0	430.0	-0.19662696795302403	--
<i>Mentha pulegium</i>	Plant	20.0	520.0	-0.11347774923265422	--
<i>Mentha aquatica</i>	Shoot		8.0	-0.14665065113583953	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>Mentha aquatica</i>	Shoot		9.0	-0.1465509191932106	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>Mentha spicata</i>	Essential Oil	2000.0	10000.0	-0.47207505752571344	--
<i>Mentha pulegium</i>	Essential Oil	2000.0	26000.0	-0.331283527078581	--
<i>Micromeria fruticosa</i>	Leaf	1.0	390.0	-0.19922394985488429	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 teneriffae</i>	Leaf		2030.0	-0.0927476918786137	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 croatica</i>	Leaf		90.0	-0.21870131411883623	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>	Shoot		195.0	-0.1280007778642293	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria juliana	Leaf		65.0	-0.22032442780749886	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393.
Micromeria varia	Shoot		585.0	-0.08910532023894602	--
Micromeria congesta	Leaf	95.0	130.0	-0.21610433221697595	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393.
Micromeria myrtifolia	Shoot		0.3	-0.14741858709408237	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. J. Ess. Oil Res., 4: 79-80.
Micromeria fruticosa	Shoot		195.0	-0.1280007778642293	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. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.
Micromeria thymifolia	Leaf		65.0	-0.22032442780749886	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393.
Micromeria dalmatica	Leaf		60.0	-0.2206490505452314	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393.
Micromeria varia	Shoot		585.0	-0.08910532023894602	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. flav. & Fragr. J. 10(3): 199-202.
Minthostachys mollis	Shoot	2.0	4.0	-0.14704957890635523	Alkire, B.H., Tucker, A.O., and Maciarelo, M.J. 1994. Tipo (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. Econ. Bot. 48(1): 60-64.
Moldavica thymiflora	Plant		2.0	-0.4800600635607791	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda media	Plant	137.0	434.0	-0.17433890566550894	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda citriodora	Flower		115.0	0.11517907784332812	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda lindheimeri	Plant		211.0	-0.3321532996716322	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Leaf	50.0	90.0	-0.21870131411883623	--
Monarda russeliana	Plant		14.0	-0.4715678091747994	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda fistulosa	Plant	3.0	1823.0	0.8086395395116448	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Flower		18.0	-0.695718784714942	Flavour and Fragrance Journal, 6: 80.
Monarda punctata	Plant	40.0	1974.0	0.9155004072018896	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda citriodora	Leaf		65.0	-0.22032442780749886	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda citriodora	Plant	25.0	214.0	-0.33003023607513726	--
Monarda didyma	Plant	5.0	350.0	-0.23378468636736702	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda clinopodia	Plant		65.0	-0.43547572803438556	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf	0.0	9880.0	0.41691000636146197	--
Myrciaria dubia	Fruit				--
Myrica cerifera	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed				--
Myristica fragrans	Seed Essent. Oil	106000.0	265000.0	1.0864685364033468	--
Myristica fragrans	Essential Oil	132000.0	265000.0	1.7717899589754602	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Myristica fragrans	Leaf Essent. Oil				--
Myroxylon balsamum	Plant				--
Myrrhis odorata	Plant				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
Myrrhis odorata	Essential Oil		100.0	-0.5591898169898767	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	242.0	1420.0	0.5234413297158256	--
Myrtus communis	Leaf	150.0	1900.0	-0.10118788305965953	--
Nardostachys jatamansi	Plant				--
Nepeta racemosa	Shoot		70.0	-0.14046727069284576	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Nepeta racemosa	Shoot		10.0	-0.14645118725058165	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Ocimum kilimandscharicum	Leaf	40.0	85.0	-0.21902593685656874	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum kilimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
Ocimum basilicum	Shoot Essent. Oil	4600.0	7200.0	-0.46017762363908365	--
Ocimum gratissimum	Leaf	23.0	43.0	-0.22175276785352202	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. J. Ess. Oil Res. 4: 231-234.
Ocimum kilimandscharicum	Flower	55.0	105.0	0.03158136005381573	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum kilimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
Ocimum basilicum	Leaf Essent. Oil	3700.0	13000.0	-0.6816393866518402	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum gratissimum	Shoot		55.0	-0.14196324983227973	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 gratissimum	Flower	47.0	88.0	-0.11053476018835531	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. J. Ess. Oil Res. 4: 231-234.
Ocimum basilicum	Plant	2.0	180.0	-0.35409162350207984	--
Ocimum tenuiflorum	Leaf				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum canum	Shoot				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum basilicum	Essential Oil	300.0	18000.0	-0.4016792923021472	--
Ocimum gratissimum	Plant	15.0	155.0	-0.3717838201395376	--
Origanum vulgare	Plant		1.0	-0.4807677514262774	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		225.0	-0.12500881958536136	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 syriacum	Shoot		325.0	-0.11503562532246821	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum onites	Shoot		60.0	-0.14146459011913506	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 majorana	Plant	15.0	86.0	-0.42061428285892105	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum sipyleum	Shoot		25.0	-0.14495520811114768	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		2.0	-0.4800600635607791	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	Plant		1.0	-0.4807677514262774	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 syriacum	Shoot		265.0	-0.12101954188020411	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum minutiflorum	Shoot	235.0	310.0	-0.1165316044619022	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	Essential Oil		14300.0	-0.43423733371804657	--
Origanum onites	Shoot		60.0	-0.14146459011913506	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 majorana	Essential Oil		19000.0	-0.39287982164920143	--
Origanum vulgare	Plant	6.0	143.0	-0.3802760745255173	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum sipyleum	Shoot		325.0	-0.11503562532246821	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		325.0	-0.11503562532246821	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		730.0	0.03513670252199119	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 syriacum	Shoot		265.0	-0.12101954188020411	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum vulgare	Shoot Essent. Oil	8400.0	8800.0	-0.3008087496515222	--
Origanum onites	Plant		16.0	-0.4701524334438028	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum sipyleum	Shoot		725.0	-0.0751428482708956	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.
Panax ginseng	Root Essent. Oil				--
Panax ginseng	Root				--
Pelargonium roseum	Shoot		126.0	-0.1348822819056256	--
Pelargonium graveolens	Essential Oil	1.0	3.0	-0.5600433656432124	--
Pelargonium citrosum	Shoot		0.6	-0.14738866751129356	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant 'Pelargonium citrosum' as a Repellent Against Populations of Aedes Mosquitoes. J. Am. Mosq. Contr. Assoc. 12(1):69-74.
Perilla frutescens	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Perilla frutescens</i>	Shoot Essent. Oil		7000.0	-0.48009873288752886	Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of <i>Perilla frutescens</i> (L.) Britton. J. Essent. Oil Res., 7(4): 429-432.
<i>Petroselinum crispum</i>	Seed Essent. Oil		444000.0	2.321492606163716	--
<i>Petroselinum crispum</i>	Fruit Essent. Oil	2000.0	248500.0	2.440212578691428	--
<i>Petroselinum crispum</i>	Leaf		5.0	-0.22421990066028927	--
<i>Petroselinum crispum</i>	Root				--
<i>Petroselinum crispum</i>	Fruit				--
<i>Petroselinum crispum</i>	Seed	1.0	31080.0	2.8922858120503183	--
<i>Peucedanum ostruthium</i>	Root	480.0	3360.0	0.9138032181924792	--
<i>Peumus boldus</i>	Leaf	1.0	1000.0	-0.15961997585151536	--
<i>Pilocarpus microphyllus</i>	Leaf		25.0	-0.22292140970935914	--
<i>Pilocarpus jaborandi</i>	Leaf		125.0	-0.21642895495470849	--
<i>Pimenta dioica</i>	Fruit		14.0	-0.7151283547486822	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pimenta dioica</i>	Leaf		20.0	-0.22324603244709168	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pimenta dioica</i>	Leaf Essent. Oil				--
<i>Pimenta racemosa</i>	Leaf	0.0	950.0	-0.16286620322884066	--
<i>Pimpinella anisum</i>	Essential Oil				--
<i>Pimpinella anisum</i>	Seed	1.0	306.0	-0.47075335776323696	--
<i>Pimpinella anisum</i>	Fruit	1.0	306.0	-0.6388928640672148	--
<i>Pinus sylvestris</i>	Plant				--
<i>Pinus walliciana</i>	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pinus sylvestris</i>	Leaf Essent. Oil		312000.0	0.9632438931581422	--
<i>Pinus sylvestris</i>	Resin, Exudate, Sap				--
<i>Pinus palustris</i>	Resin, Exudate, Sap	128600.0	160750.0	-0.7753819335709035	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pinus insularis	Resin, Exudate, Sap	270000.0	941000.0	1.2421987829924845	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Flower				--
Pinus roxburghii	Resin, Exudate, Sap	200000.0	300000.0	-0.41530745131335556	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Leaf	600.0	2500.0	-0.062233154531755666	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pinus sylvestris	Twig				--
Pinus sylvestris	Essential Oil				--
Pinus kesiya	Resin, Exudate, Sap	270000.0	941000.0	1.2421987829924845	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Root Essent. Oil	175000.0	200000.0	1.0055904952191068	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Pinus gerardiana	Resin, Exudate, Sap	700000.0	800000.0	0.8775991277083606	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper nigrum	Seed Essent. Oil				--
Piper nigrum	Fruit Essent. Oil	45000.0	94000.0	0.39522346445492856	--
Piper nigrum	Fruit		3810.0	0.2759330241103953	--
Piper auritum	Leaf				Tramil
Piper cubeba	Fruit Essent. Oil	3000.0	130000.0	0.871725782335278	--
Piper nigrum	Essential Oil				--
Piper cubeba	Fruit	1100.0	2200.0	-0.1444064964278331	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pistacia lentiscus	Resin, Exudate, Sap				--
Pogostemon cablin	Plant				--
Polygonum hydropiper	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Porophyllum ruderale	Plant	27.0	40.0	-0.45316792467184336	Loayza, I., de Groot, W., Lorenzo, D. et al. 1999. Composition of the essential oil of Porophyllum ruderale (Jacq.) Cass. from Bolivia. Flav. & Fragr. J. 14: 393-8.
Psidium guajava	Essential Oil				--
Psidium guajava	Leaf Essent. Oil		378000.0	1.3263284967282387	--
Psidium guajava	Pericarp Essent. Oil				--
Ptychopetalum olacoides	Root Essent. Oil		259000.0	1.6673845746159537	Uber Bucek, E., Fournier, G., Dadoun, H. 1987. Volatile Constituents of Ptychopetalum olacoides Root Oil. Planta Med. 53, 2: 231.
Pycnanthemum clinopodioides	Shoot	84.0	88.0	-0.138672095725525	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum verticillatum	Shoot		63.0	-0.14116539429124828	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum setosum	Shoot	20.0	1209.0	-0.026872588038492726	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum albescens	Shoot	16.0	54.0	-0.14206298177490867	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pilosum	Flower	38.0	140.0	0.3241733723171091	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum loomisii	Shoot	2046.0	2646.0	0.11644221351928191	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum torreyi	Shoot		20.0	-0.14545386782429234	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum californicum	Shoot		144.0	-0.13308710693830483	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pycnanthemoides	Shoot	156.0	696.0	-0.07803507460713462	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum muticum	Shoot	29.0	200.0	-0.12750211815108467	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum incanum	Shoot	55.0	114.0	-0.13607906521717278	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum virginianum</i>	Shoot	6.0	145.0	-0.1329873749956759	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1.0	1020.0	-0.04572192519536079	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum beadlei</i>	Shoot		21.0	-0.1453541358816634	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	38.0	140.0	-0.2154550867415109	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum montanum</i>	Shoot	7.0	272.0	-0.12032141828180158	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum curvipes</i>	Shoot		84.0	-0.13907102349604072	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ravensara aromatica</i>	Leaf		60.0	-0.2206490505452314	--
<i>Ribes nigrum</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<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>Rosa gallica</i>	Essential Oil				--
<i>Rosa damascena</i>	Essential Oil				--
<i>Rosa centifolia</i>	Essential Oil				--
<i>Rosmarinus tomentosus</i>	Shoot	665.0	2830.0	0.1347928909630053	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	990.0	2180.0	0.0699671282541998	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 Essent. Oil		4400.0	-0.7390731531173163	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Plant	34.0	7225.0	4.631569388933519	--
Rosmarinus eriocalyx	Shoot	680.0	1225.0	-0.02527687695642982	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 x mendizabalii	Shoot	680.0	1500.0	0.0021494072665263534	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	Shoot	1080.0	3000.0	0.15174732120992368	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		276000.0	0.7651977457562714	--
Rosmarinus officinalis	Leaf		34.0	-0.22233708878144057	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaïd, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus eriocalyx	Shoot	680.0	1225.0	-0.02527687695642982	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 x lavandulaceus	Shoot	405.0	1740.0	0.026085073497469923	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	Resin, Exudate, Sap				--
Rosmarinus officinalis	Shoot		565.0	-0.09109995909152464	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 officinalis	Essential Oil	79000.0	250000.0	1.6397978991812734	--
Rosmarinus officinalis	Leaf		34.0	-0.22233708878144057	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaïd, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Ruta graveolens	Plant				--
Salvia canariensis	Leaf		670.0	-0.18104507654186247	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 sclarea	Plant	0.0	3.0	-0.47935237569528083	Flavour and Fragrance Journal, 6: 154.
Salvia officinalis	Et		35000.0	1.0	--
Salvia officinalis	Leaf Essent. Oil	35000.0	55000.0	-0.4505855480163243	--
Salvia officinalis	Plant	7.0	1540.0	0.6083638735756228	--
Salvia gilliesii	Shoot		55.0	-0.14196324983227973	Velasco-Negueruela, A. et al. 1993. The Essential Oil of Salvia gilliesii Benth. J. Ess. Oil Res. 5: 319-320.
Salvia dorisiana	Shoot		0.0	-0.14744850667687096	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8.
Salvia triloba	Plant	270.0	1800.0	0.7923627186051836	--
Salvia officinalis	Essential Oil	11700.0	40100.0	-0.2072109908720455	--
Sassafras albidum	Leaf	0.1	5.0	-0.22421990066028927	--
Sassafras albidum	Root	1000.0	2000.0	0.22299033506753657	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja montana	Plant	5.0	245.0	-0.3080919122446896	--
Satureja douglasii	Plant	299.0	884.0	0.14412063380873102	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja thymbra	Shoot		480.0	-0.09957717421498383	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 odora	Shoot		22.0	-0.14525440393903447	Zygadlo, J.A., Merino, E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51.
Satureja cilicica	Shoot		150.0	-0.13248871528253123	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of Satureja cilicica P.H. Davis. J. Ess. Oil Res. 5: 547-548.
Satureja obovata	Leaf		130.0	-0.21610433221697595	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 hortensis	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja subspicata	Plant		30.0	-0.46024480332682643	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Satureja grandiflora	Shoot		4.0	-0.14704957890635523	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of Satureja grandiflora (L.) Scheele from France. J. Ess. Oil Res., 3: 361-362
Satureja obovata	Shoot	300.0	510.0	-0.09658521593611588	Fitoterapia No.60: 277.
Satureja obovata	Leaf		330.0	-0.20311942270767466	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 glabella	Plant		40.0	-0.45316792467184336	--
Satureja montana	Essential Oil		6600.0	-0.5019932577457291	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja parvifolia	Shoot		20.0	-0.14545386782429234	Zygadlo, J.A., Merino, E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51.
Satureja cuneifolia	Shoot		405.0	-0.10705706991215369	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Satureja obovata	Leaf		225.0	-0.20993650020005786	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		425.0	-0.19695159069075655	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.
Schinus molle	Fruit				--
Sideritis mugronensis	Flower	15.0	410.0	2.5813117526339426	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Sideritis pauli	Shoot		1540.0	0.006138684971683615	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	88.0	104.0	-0.40787590127995144	J. Essential Oil, 4: 533.
Sideritis mugronensis	Leaf	75.0	110.0	-0.21740282316790607	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Sideritis athoa	Shoot		160.0	-0.13149139585624192	Ozek, T., Baser, K.H.C. and Tumen, G. 1993. The Essential Oil of Sideritis athoa Papanikolaou Et Kokkini. J. Ess. Oil Res. 5: 669-670.
Skimmia arborescens	Leaf	325.0	1560.0	-0.12326222922547173	--
Stachys germanica	Plant		67.0	-0.43406035230338896	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Stevia rebaudiana	Flower		4.0	-0.8127555896202593	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
<i>Stevia rebaudiana</i>	Leaf		5.0	-0.22421990066028927	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Syringa vulgaris</i>	Flower				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Tagetes minuta</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tagetes minuta</i>	Flower Essent. Oil		100.0	-1.0	--
<i>Tagetes filifolia</i>	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
<i>Tagetes minuta</i>	Essential Oil		10300.0	-0.4694352163298297	--
<i>Tagetes minuta</i>	Leaf Essent. Oil				Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
<i>Tagetes filifolia</i>	Shoot		4.7	-0.14697976654651493	--
<i>Tamarindus indica</i>	Fruit Essent. Oil				--
<i>Tanacetum parthenium</i>	Fruit Essent. Oil		2000.0	-0.8225046812392973	--
<i>Tanacetum parthenium</i>	Shoot		15.0	-0.14595252753743698	Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
<i>Tanacetum parthenium</i>	Essential Oil		10000.0	-0.47207505752571344	--
<i>Tanacetum vulgare</i>	Plant				--
<i>Telosma cordata</i>	Flower		31.0	-0.5870417515885759	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of <i>Telosma cordata</i> Merrill flowers, Flavour Fragr. J., Vol 8, 221-223.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tetraclinis articulata	Resin, Exudate, Sap				--
Teucrium gnaphalodes	Shoot		8.0	-0.14665065113583953	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 asiaticum	Shoot		0.18	-0.14743055492719773	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Teucrium polium	Plant				Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Teucrium pseudoscorodonia	Shoot				Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Teucrium oxylepis	Shoot		0.18	-0.14743055492719773	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Teucrium scorodonia	Shoot		0.08	-0.14744052812146066	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Teucrium divaricatum	Leaf		365.0	-0.20084706354354695	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium micropodioides	Leaf		265.0	-0.20733951829819758	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium polium	Shoot		80.0	-0.13946995126655645	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Teucrium kotschyianum	Leaf		0.0	-0.2245445233980218	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium cyprium	Leaf		430.0	-0.19662696795302403	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium salviastrum	Shoot		0.2	-0.1474285602883451	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Teucrium oxylepis	Shoot		0.35	-0.1474136004969508	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9.
Thymus longicaulis	Shoot		3.0	-0.14714931084898417	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 vulgaris	Plant	15.0	1598.0	0.6494097697745248	--
Thymus mastichina	Plant		260.0	-0.297476594262215	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus riatarum	Shoot		230.0	-0.12451015987221671	Iglesias, J., Vila, R., Canigual, S., Bellakdhar, and Il Idrissi, A. 1991. Analysis of the Essential Oil of Thymus riatarum. J. Ess. Oil Res. 3: 43-4.
Thymus vulgaris	Essential Oil		8000.0	-0.489673998831605	--
Thymus x citriodorus	Plant		50.0	-0.4460910460168602	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus zygis	Shoot		32.0	-0.14425708451274516	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Thymus longicaulis	Shoot		3.0	-0.14714931084898417	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 serpyllum	Plant	1.0	362.0	-0.2252924319813873	--
Thymus capitatus	Shoot		4.0	-0.14704957890635523	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Fragr. J. 8: 331-7.
Thymus broussonettii	Shoot		860.0	-0.061679036015989834	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. saturojoides. J. Ess. Oil Res. 5: 45-53.
Thymus funkii	Shoot		425.0	-0.10506243105957506	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 zygis	Shoot		32.0	-0.14425708451274516	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Thymus longicaulis	Shoot		635.0	-0.08411872310749943	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 orospedanus	Plant		665.0	-0.010863008735399004	J. Nat. Prod.
Thymus capitatus	Plant	10.0	150.0	-0.3753222594670292	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus saturejoides	Shoot		1750.0	0.02708239292375924	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		425.0	-0.10506243105957506	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 zygis	Shoot	60.0	490.0	-0.09857985478869451	De Cunha, A.P. and Salguiero, L.R. 1991. The Chemical Polymorphism of Thymus zygis ssp. sylvestris from Central Portugal. J. Ess. Oil Res. 3: 409-12.
Tilia sp.	Flower				--
Trachyspermum ammi	Fruit	99.0	720.0	-0.530805558785956	--
Trichostemma dichotomum	Shoot		35.0	-0.14395788868485837	Tucker, A.O. and Maciarelo, M.J. 1990. The Essential Oil of Trichostemma dichotomum. J. Ess. Oil Res. 2: 149-150.
Turnera diffusa	Leaf	50.0	100.0	-0.21805206864337115	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Umbellularia californica	Plant	360.0	1440.0	0.5375950870257917	--
Vaccinium corymbosum	Fruit				--
Valeriana officinalis	Rhizome Essent. Oil				--
Valeriana officinalis	Leaf	2.0	6095.0	0.17117059389793504	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Valeriana officinalis	Essential Oil				--
Valeriana officinalis	Leaf Essent. Oil	1000.0	239100.0	0.5622004446693538	--
Valeriana officinalis	Root	1.0	500.0	-0.5389356389673264	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Valeriana officinalis	Root Essent. Oil		25000.0	-0.9573580453647603	--
Vetiveria zizanioides	Root		15.0	-0.7852917039052655	--
Vitex agnus-castus	Fruit	21.0	4000.0	0.32553830914285703	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitex agnus-castus	Flower				--
Vitex agnus-castus	Leaf Essent. Oil		43200.0	-0.5155006741091597	Jim Duke's personal files.
Vitex agnus-castus	Fruit Essent. Oil		6.6	-0.8488896734743719	Jim Duke's personal files.
Vitex agnus-castus	Leaf		21.0	-0.22318110789954515	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntimein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
Zea mays	Husk Essent. Oil				--
Zingiber officinale	Rhizome		720.0	1.111167799007431	--
Zingiber officinale	Rhizome Essent. Oil		39000.0	1.392186073629917	--