

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for ALPHA-PINENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abies alba	Plant	590	826	0.103074737609829	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Abies alba	Resin, Exudate, Sap	--	--		--
Abies balsamea	Plant	545	5050	3.0923482814746928	--
Abies sachalinensis	Branches	2400	2700		--
Abies spectabilis	Leaf	150	515	-0.19110838141157097	--
Achillea millefolium	Leaf	1	1000	-0.15961997585151536	--
Acinos alpinus	Shoot	0.5	0.5	-0.1473986407055565	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	-0.1473986407055565	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 suaveolens	Shoot	9500	9500	0.8000049482979785	Jim Duke's personal files.
Acorus calamus	Rhizome	280	280	-1.3131983079178744	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Aesculus hippocastanum	Flower Essent. Oil	--	177000	1	Jim Duke's personal files.
Agastache foeniculum	Plant	1	35	-0.4567063639993349	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Agastache nepetoides	Plant	20	20	-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 rugosa	Essential Oil	--	--		Jim Duke's personal files.
Agastache urticifolia	Plant	32	32	-0.45882942759582984	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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	--	--		--
Ageratum conyzoides	Plant	0.8	6.5	-0.47687546816603676	--
Ageratum conyzoides	Shoot	--	420	-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	7	-0.4765216242332876	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Alpinia galanga	Leaf	--	900	-0.16611243060616598	--
Alpinia galanga	Rhizome	5	555	0.2020305089104413	--
Alpinia galanga	Leaf Essent. Oil	--	11600	-0.6893411812730241	--
Alpinia galanga	Rhizome Essent. Oil	--	11600	-0.48077129547612496	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Amomum compactum	Seed	--	960	-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.
Amomum xanthioides	Seed	--	--		--
Anethum graveolens	Fruit	24	1001	-0.4574419530274206	--
Anethum graveolens	Seed	12	1001	-0.394802482900677	--
Anethum graveolens	Leaf	25	405	-0.19825008164168667	--
Anethum graveolens	Essential Oil	--	--		--
Anethum graveolens	Shoot Essent. Oil	17500	31700	1.9801582592954505	--
Anethum graveolens	Seed Essent. Oil	--	--		--
Angelica archangelica	Seed	170	1500	-0.34027084756770226	--
Angelica archangelica	Root	35	5890	2.1989183610646146	--
Angelica archangelica	Root Essent. Oil	--	--		--
Angelica archangelica	Seed Essent. Oil	--	149000	0.28611774259215744	--
Angelica archangelica	Fruit	--	--		--
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aniba rosaeodora	Essential Oil	--	--		--
Annona squamosa	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Apium graveolens	Fruit Essent. Oil	--	10000	-0.7166152772658864	--
Apium graveolens	Leaf Essent. Oil	--	2000	-0.7421534872468563	--
Apium graveolens	Root Essent. Oil	--	179000	0.7700366703490429	--
Apium graveolens	Et	12000	14000	-1	--
Apium graveolens	Seed	38	60	-0.47140904876924467	--
Apium graveolens	Seed Essent. Oil	10000	10500	-0.6694735069151678	--
Apium graveolens	Stem Essent. Oil	--	14000	-1	--
Aralia cordata	Root	475	475	-0.5516344052012409	--
Artemisia annua	Leaf	1345	3760	0.019571775376842463	--
Artemisia annua	Shoot	12	3760	0.6344499235339521	--
Artemisia capillaris	Essential Oil	--	--		--
Artemisia dracunculus	Shoot	100	1000	-0.04771656404793942	--
Artemisia dracunculus	Leaf Essent. Oil	--	--		--
Artemisia dracunculus	Root Essent. Oil	--	--		--
Artemisia dracunculus	Essential Oil	--	10000	-0.47207505752571344	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Artemisia herba-alba	Plant	--	--		--
Artemisia salsoloides	Shoot	3300	3300	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 vulgaris	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Asiasarum heterotropoides	Root	--	--		--
Ballota nigra	Plant	3	3	-0.47935237569528083	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Barosma betulina	Leaf	--	--		--
Boswellia sacra	Essential Oil	--	410000	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 sacra	Resin, Exudate, Sap	1050	71600	-1.0059071766104755	--
Boswellia sacra	Resin Essent. Oil	--	35000		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 serrata	Essential Oil	--	--		--
Boswellia serrata	Resin, Exudate, Sap	--	9920	-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.
Calamintha nepeta	Leaf	90	90	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Calamintha nepeta	Shoot	13	13	-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	Plant	40	40	-0.45316792467184336	J. Ethnopharmacology, 39: 167.
Callicarpa americana	Leaf	--	28	-0.2227266360667196	--
Camellia sinensis	Leaf	--	--		--
Canarium indicum	Essential Oil	400	1000	-0.5512702934022254	--
Capsicum annum	Fruit	--	--		--
Carum carvi	Fruit	42	540	-0.577800039343025	--
Carum carvi	Plant	20	20	-0.46732168198180957	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Carum carvi	Seed	4	540	-0.4451814085289362	--
Centella asiatica	Essential Oil	--	2000	-0.5424708227492797	Jim Duke's personal files.
Centella asiatica	Shoot	--	--		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	4800	2.9154263151001154	--
Chrysanthemum balsamita	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Chrysanthemum parthenium	Shoot	--	15	-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 x morifolium	Plant	3	14	-0.4715678091747994	Wealth of India.
Cinnamomum aromaticum	Plant	--	--		--
Cinnamomum aromaticum	Bark	--	--		Wealth of India.
Cinnamomum camphora	Plant	--	--		--
Cinnamomum camphora	Leaf	140	280	-0.206365650085	--
Cinnamomum verum	Bark	20	236	1	--
Cinnamomum verum	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cinnamomum verum	Leaf Essent. Oil	--	2000	-0.7421534872468563	--
Cinnamomum verum	Root Bark	--	--		--
Cinnamomum verum	Bark Essent. Oil	--	2000		--
Cinnamomum verum	Stem Bark	--	--		--
Cistus ladaniferus	Leaf	40	31500	1.8205787243169311	--
Citrus aurantiifolia	Fruit	80	240	-0.6561241736048067	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus aurantium	Leaf	1	1	-0.22447959885047528	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus aurantium	Plant	--	--		--
Citrus limon	Pericarp Essent. Oil	5000	14000		Jim Duke's personal files.
Citrus limon	Leaf Essent. Oil	500	2000	-0.7421534872468563	Jim Duke's personal files.
Citrus limon	Essential Oil	40	500	-0.5556700287286983	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus limon	Pericarp	--	--		Jim Duke's personal files.
Citrus limon	Fruit Essent. Oil	--	7000	-0.7563238037559155	Jim Duke's personal files.
Citrus limon	Petiole	--	90		--
Citrus mitis	Fruit Juice	5.6	5.6	0.9999999999999999	--
Citrus paradisi	Fruit	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Citrus paradisi	Pericarp	12	47		--
Citrus paradisi	Leaf	--	55	-0.22097367328296394	--
Citrus reticulata	Fruit	50	55	-0.7044240563995721	--
Citrus sinensis	Fruit	35	40	-0.7083402631126611	--
Citrus sinensis	Plant	--	--		--
Citrus sinensis	Fruit Juice	--	0.22	-0.9999999999999999	--
Cleistocalyx fullageri	Leaf	59488	59488	3.6376869610485536	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cleonia lusitanica	Leaf	90	170	-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	Root Essent. Oil	--	77000	-0.3740819075912684	Jim Duke's personal files.
Coleus barbatus	Leaf Essent. Oil	--	66800	-0.3856704219234889	Jim Duke's personal files.
Coleus barbatus	Stem Essent. Oil	--	66800	1	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	Fruit	819	13780	2.8789050860769403	--
Coriandrum sativum	Seed Essent. Oil	11400	52980	-0.3763795265608634	--
Coriandrum sativum	Essential Oil	--	--		--
Coridothymus capitatus	Shoot	44	44	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cuminum cyminum	Fruit	9	330	-0.6326269333262723	--
Cuminum cyminum	Seed	9	330	-0.4681305937392061	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cuminum cyminum	Seed Essent. Oil	--	3000	-0.7212203254805465	--
Cunila origanoides	Shoot	--	812	-0.06646616926217855	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Curcuma longa	Essential Oil	--	5300	-0.5134325695945586	--
Curcuma longa	Rhizome Essent. Oil	--	5300	-0.9114147781537915	--
Curcuma longa	Tuber	--	--		--
Curcuma longa	Rhizome	--	--		--
Curcuma longa	Leaf	60	1440	-0.1310531749310525	--
Curcuma zedoaria	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Cymbopogon citratus	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon nardus	Plant	78	312	-0.2606768252563028	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.
Daucus carota	Root	48	48	-0.7685293324764985	--
Daucus carota	Seed	12	1300	-0.362127214434626	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Daucus carota	Shoot	12	12	-0.1462517233653238	--
Dictamnus albus	Shoot	0.7	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	-0.14734877473424204	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	2	-0.4800600635607791	--
Echinacea spp	Fruit	--	--		Economic & Medicinal Plant Research, 5: 253.
Elettaria cardamomum	Fruit	217	3000	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	Fruit Essent. Oil	12000	16000	-0.6371982242858282	--
Elettaria cardamomum	Seed Essent. Oil	6900	17000	-0.6246262641585064	--
Elettaria cardamomum	Root Essent. Oil	--	123000	0.14189313736220527	--
Elsholtzia blanda	Shoot	0.4	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
Elsholtzia cristata	Shoot	0.1	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 pilosa	Shoot	7.6	7.6	-0.14669054391289105	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elsholtzia polystachya	Leaf	1.2	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 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.
Eryngium foetidum	Plant	5	25	-0.463783242654318	--
Eucalyptus albens	Shoot	--	315	-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 angulosa	Leaf	--	835	-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 astringens	Shoot	--	4325	0.28389214519325795	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 behriana	Leaf	65	65	-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 Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
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 bosistoana	Shoot	--	1220	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus botryoides	Shoot	--	820	-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 brassiana	Leaf	--	825	-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 bridgesiana	Leaf	--	255	-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 camaldulensis	Shoot	--	410	-0.10655841019900904	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	-0.017759839462398744	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 citriodora	Leaf	5	380	-0.19987319533034933	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus citriodora	Shoot	--	--		--
Eucalyptus citriodora	Leaf Essent. Oil	2900	6000	-0.7201483597577595	--
Eucalyptus citriodora	Essential Oil	--	--		--
Eucalyptus cladocalyx	Shoot	--	260	-0.12151820159334877	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 cuprea	Leaf	1595	1595	-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 dealbata	Shoot	--	235	-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.
Eucalyptus desquamata	Leaf	3000	3000	-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 Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus diversicolor	Shoot	--	710	-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 dolichorhyncha	Leaf	--	1425	-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 Eucalyptus. Part I. Subgenus Symphyomyrtus, Section Dumaria, Series Incrassatae. Flavour and Fragrance J. 9(3):113-7
Eucalyptus erythrandra	Leaf	--	4970	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 fasciculosa	Leaf	90	90	-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 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	--	10110	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
Eucalyptus globulus	Leaf	1250	8750	0.34354526763390963	--
Eucalyptus globulus	Shoot	--	119000	11.720652666165982	--
Eucalyptus globulus	Essential Oil	--	52000	-0.10249729010199074	--
Eucalyptus globulus	Leaf Essent. Oil	5000	260000	0.6771772357998844	--
Eucalyptus globulus	Fruit Essent. Oil	--	40900	-0.3076174544185865	--
Eucalyptus grandis	Leaf Essent. Oil	--	689000	3.0372271590055115	--
Eucalyptus incrassata	Leaf	--	5295	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 intertexta	Leaf	1920	1920	-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 lansdowneana	Leaf	420	420	-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 Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus largisparsa</i>	Leaf	2495	2495	-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>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus leucoxydon</i>	Leaf	720	720	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus maculata</i>	Shoot	--	7330	0.5835866327931971	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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus maideni</i>	Shoot	--	3000	0.15174732120992368	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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus melanophloia</i>	Leaf	6	6	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus melliodora</i>	Shoot	--	3000	0.15174732120992368	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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus moluccana</i>	Shoot	--	935	-0.05419914031881997	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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus nova-anglica</i>	Leaf	0.1	1185	-0.14760893455541166	Brophy, J. L., Lassak, E. V., & Boland, D. J. 1992. The Leaf Essential Oils of <i>Eucalyptus nova-anglica</i> . Deane & Maiden. <i>Journal of Essential Oil Res.</i> 4: 29-32.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus occidentalis</i>	Shoot	--	1340	-0.013807703554102694	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus ochrophloia</i>	Leaf	21	21	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus odorata</i>	Leaf	190	190	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus oviformis</i>	Shoot	--	315	-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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus paniculata</i>	Shoot	--	355	-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. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus polyanthemus</i>	Shoot	--	135	-0.1339846944219652	Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. <i>Journal of Essential Oil Res.</i> 4: 259-264.
<i>Eucalyptus populnea</i>	Leaf	71	71	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Eucalyptus porosa</i>	Leaf	2100	2100	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus punctata	Shoot	--	3075	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 saligna	Shoot	--	370	-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 siderophloia	Shoot	--	150	-0.13248871528253123	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 sideroxylon	Shoot	--	300	-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 sparsa	Leaf	2495	2495	-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 stoatei	Leaf	--	3290	-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
Eucalyptus tereticornis	Shoot	--	585	-0.08910532023894602	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 tetraptera	Leaf	--	4355	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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus viridis	Leaf	55	55	-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
Ferula assa-foetida	Essential Oil	--	--		--
Ferula assa-foetida	Seed Essent. Oil	--	14300	-0.6432551188420427	--
Ferula assa-foetida	Gum	--	143000		--
Ferula gummosa	Plant	--	--		--
Ficus carica	Leaf Essent. Oil	--	--		--
Foeniculum vulgare	Fruit	200	8820	1.5839460662821494	--
Foeniculum vulgare	Plant	480	480	-0.14178526385258663	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Foeniculum vulgare	Seed	200	8820	0.4596721797617065	--
Foeniculum vulgare	Essential Oil	5800	56000	-0.06729940749020763	Jim Duke's personal files.
Foeniculum vulgare	Seed Essent. Oil	4700	12000	-0.6591241432020921	Jim Duke's personal files.
Foeniculum vulgare	Root Essent. Oil	--	10000	-1.125610777414806	Jim Duke's personal files.
Glechoma hederacea	Plant	4	22	-0.4659063062508129	--
Gossypium sp	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hedeoma drummondii	Plant	7	6780	4.31664828878677	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma hispida	Plant	18	18	-0.46873705771280616	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedeoma pulegioides	Plant	24	210	-0.3328609875371305	--
Hedeoma pulegioides	Pollen Or Spore	--	4000		--
Hedeoma reverchonii	Plant	525	525	-0.10993930990516265	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Hedychium flavum	Shoot	--	590	-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	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Houttuynia cordata	Shoot Essent. Oil	--	--		--
Houttuynia cordata	Essential Oil	--	--		--
Humulus lupulus	Fruit	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Humulus lupulus	Essential Oil	--	--		--
Hypericum perforatum	Shoot Essent. Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hypericum perforatum	Leaf Essent. Oil	--	--		--
Hypericum perforatum	Fruit Essent. Oil	--	--		--
Hypericum perforatum	Plant	13	245	-0.3080919122446896	--
Hyptis suaveolens	Plant	215	215	-0.32932254820963897	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
Hyptis suaveolens	Shoot	48	48	-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	-0.14266137343068225	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.
Hyssopus officinalis	Leaf	0.1	280	-0.12975468398012238	--
Hyssopus officinalis	Shoot	40	40	-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	--	20	-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	--	30	-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	Shoot	--	80	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyssopus officinalis	Shoot	--	70	-0.14046727069284576	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	40	-0.1434592289717137	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	60	-0.14146459011913506	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> 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 (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	40	-0.1434592289717137	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	170	170	-0.13049407642995262	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.
Hyssopus officinalis	Shoot	--	170	-0.13049407642995262	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.
Hyssopus officinalis	Essential Oil	--	--		--
Illicium verum	Fruit	50	1310	-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	684	0.002583060709068898	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Juglans nigra	Fruit	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juglans nigra	Essential Oil	17000	17000	-0.410478762955093	--
Juniperus communis	Fruit	530	9200	1.683156636347073	--
Juniperus communis	Fruit Essent. Oil	--	--		--
Juniperus communis	Essential Oil	--	336000	2.3965523753346103	--
Juniperus communis	Leaf Essent. Oil	--	--		--
Juniperus sabina	Plant	--	--		--
Juniperus virginiana	Leaf	--	--		--
Lantana camara	Leaf	--	--		--
Lantana camara	Shoot	--	35	-0.14395788868485837	--
Larrea tridentata	Essential Oil	--	--		--
Laurus nobilis	Leaf	--	125	-0.21642895495470849	--
Laurus nobilis	Leaf Essent. Oil	1300	76600	-0.3317578595752018	--
Laurus nobilis	Fruit Essent. Oil	--	93000	0.38198728895825224	--
Laurus nobilis	Flower	--	0	-0.8461946767360643	--
Laurus nobilis	Bark	--	27	-1	--
Laurus nobilis	Wood	--	0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lavandula angustifolia	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula latifolia	Plant	90	748	0.04787508410096078	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula x hybrida	Shoot	300	455	-0.10207047278070712	Tucker, A.O., Maciarelo, M.J., Angell, S., Espaillat, 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.
Lavandula x intermedia	Plant	28	120	-0.39655289543197847	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Leonotis leonurus	Se	65	65		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	28	-0.4616601790578231	--
Lepechinia calycina	Plant	325	325	-0.2514768830048248	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lepechinia schiediana	Plant	200	200	-0.33993786619211364	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Leptospermum polygalifolium	Leaf	116875	137500	8.702580764246616	--
Levisticum officinale	Root	20	200	-0.691320833774299	--
Lindera benzoin	Fruit	125	190	-0.6691781959817703	--
Lindera benzoin	Leaf	--	2	-0.22441467430292877	--
Lindera benzoin	Twig	35	43		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lippia alba	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Litsea glaucescens	Shoot	90	140	-0.13348603470882056	Tucker, et al, EB46(1):21-24.1992
Lycopersicon esculentum	Fruit	--	--		--
Lycopus uniflorus	Plant	8	22	-0.4659063062508129	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lycopus virginicus	Plant	266	666	-0.010155320869900694	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Magnolia denudata	Bark	--	--		--
Magnolia denudata	Bulb	--	--		--
Magnolia denudata	Flower	--	--		--
Magnolia denudata	Leaf	--	--		--
Magnolia denudata	Twig	--	--		--
Magnolia fargesii	Flower	--	--		--
Magnolia kobus	Flower	--	--		--
Magnolia officinalis	Plant	--	--		--
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	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melaleuca alternifolia	Leaf	200	700	-0.17909734011546727	--
Melaleuca alternifolia	Leaf Essent. Oil	--	25000	-0.61562400418455	--
Melaleuca alternifolia	Essential Oil	23000	24000	-0.34888246838447257	--
Melaleuca alternifolia	Root Essent. Oil	--	9800	-1.1278541471754733	--
Melaleuca alternifolia	Resin, Exudate, Sap	--	--		--
Melaleuca cajuputi	Leaf	250	250	-0.2083133865113952	--
Melaleuca leucadendra	Plant	--	--		--
Melaleuca leucadendra	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Melaleuca linariifolia	Leaf	150	400	-0.1985747043794192	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Melaleuca viridiflora	Leaf	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Meleleuca howeana	Leaf	102	221	-0.21019619839024387	--
Mentha aquatica	Leaf	18	68	-0.22012965416485936	--
Mentha aquatica	Shoot	8	8	-0.14665065113583953	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
Mentha aquatica	Shoot	--	9	-0.1465509191932106	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	--	14	-0.14605225948006592	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	--	13	-0.14615199142269486	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	--	8	-0.14665065113583953	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 arvensis var. piperascens	Plant	10	300	-0.26916907964228254	--
Mentha longifolia	Shoot	7	1065	-0.04123398777705887	--
Mentha pulegium	Plant	20	520	-0.11347774923265422	--
Mentha pulegium	Shoot Essent. Oil	--	--		--
Mentha pulegium	Essential Oil	2000	26000	-0.331283527078581	--
Mentha pulegium	Leaf Essent. Oil	--	7000	-0.7146470778854853	--
Mentha spicata	Leaf	5	375	-0.20019781806808187	--
Mentha spicata	Shoot	--	--		--
Mentha spicata	Essential Oil	2000	10000	-0.47207505752571344	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha x piperita</i>	Leaf	5	230	-0.20961187746232532	--
<i>Mentha x rotundifolia</i>	Leaf	4	430	-0.19662696795302403	--
<i>Micromeria congesta</i>	Leaf	95	130	-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.
<i>Micromeria croatica</i>	Leaf	90	90	-0.21870131411883623	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.
<i>Micromeria dalmatica</i>	Leaf	60	60	-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.
<i>Micromeria fruticosa</i>	Leaf	1	390	-0.19922394985488429	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.
<i>Micromeria fruticosa</i>	Shoot	195	195	-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.
<i>Micromeria fruticosa</i>	Shoot	--	195	-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.
<i>Micromeria juliana</i>	Leaf	65	65	-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.
<i>Micromeria myrtifolia</i>	Shoot	0.3	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.
<i>Micromeria teneriffae</i>	Leaf	2030	2030	-0.0927476918786137	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.
<i>Micromeria thymifolia</i>	Leaf	65	65	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria varia	Shoot	585	585	-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. <i>flav. & Fragr. J.</i> 10(3): 199-202.
Micromeria varia	Shoot	--	585	-0.08910532023894602	--
Minthostachys mollis	Shoot	2	4	-0.14704957890635523	Alkire, B.H., Tucker, A.O., and Maciarelo, M.J. 1994. Tipo (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. <i>Econ. Bot.</i> 48(1): 60-64.
Moldavica thymiflora	Plant	2	2	-0.4800600635607791	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda citriodora	Flower	115	115	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 <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. <i>J. Ess. Oil Res.</i> 6: 27-9.
Monarda citriodora	Leaf	65	65	-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 <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. <i>J. Ess. Oil Res.</i> 6: 27-9.
Monarda citriodora	Plant	25	214	-0.33003023607513726	--
Monarda clinopodia	Plant	65	65	-0.43547572803438556	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Flower	18	18	-0.695718784714942	Flavour and Fragrance Journal, 6: 80.
Monarda didyma	Leaf	50	90	-0.21870131411883623	--
Monarda didyma	Plant	5	350	-0.23378468636736702	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda fistulosa	Plant	3	1823	0.8086395395116448	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda lindheimeri	Plant	211	211	-0.3321532996716322	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda media	Plant	137	434	-0.17433890566550894	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda punctata	Plant	40	1974	0.9155004072018896	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda russeliana	Plant	14	14	-0.4715678091747994	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf	0	9880	0.41691000636146197	--
Myrciaria dubia	Fruit	--	--		--
Myrica cerifera	Leaf	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed Essent. Oil	106000	265000	1.0864685364033468	--
Myristica fragrans	Leaf Essent. Oil	--	--		--
Myristica fragrans	Essential Oil	132000	265000	1.7717899589754602	--
Myristica fragrans	Seed	--	--		--
Myroxylon balsamum	Plant	--	--		--
Myrrhis odorata	Essential Oil	--	100	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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)
Myrtus communis	Plant	242	1420	0.5234413297158256	--
Myrtus communis	Leaf	150	1420	-0.10118788305965953	--
Nardostachys jatamansi	Plant	--	--		--
Nepeta racemosa	Shoot	10	10	-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.
Nepeta racemosa	Shoot	--	70	-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.
Ocimum basilicum	Plant	2	180	-0.35409162350207984	--
Ocimum basilicum	Leaf Essent. Oil	3700	13000	-0.6816393866518402	--
Ocimum basilicum	Shoot Essent. Oil	4600	7200	-0.46017762363908365	--
Ocimum basilicum	Essential Oil	300	18000	-0.4016792923021472	--
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 gratissimum	Flower	47	88	-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 gratissimum	Leaf	23	43	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum gratissimum	Plant	15	155	-0.3717838201395376	--
Ocimum gratissimum	Shoot	55	55	-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 kilimandscharicum	Flower	55	105	0.03158136005381573	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
Ocimum kilimandscharicum	Leaf	40	85	-0.21902593685656874	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
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
Origanum majorana	Plant	15	86	-0.42061428285892105	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum majorana	Essential Oil	--	19000	-0.39287982164920143	--
Origanum minutiflorum	Shoot	235	310	-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 onites	Plant	16	16	-0.4701524334438028	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum onites	Shoot	60	60	-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 onites	Shoot	--	60	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum sipyleum	Shoot	325	325	-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	--	25	-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 sipyleum	Shoot	--	725	-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.
Origanum sipyleum	Shoot	--	325	-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 syriacum	Shoot	265	265	-0.12101954188020411	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum syriacum	Shoot	--	325	-0.11503562532246821	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum syriacum	Shoot	--	265	-0.12101954188020411	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum vulgare	Plant	1	1	-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	225	-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 vulgare	Plant	730	730	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Plant	2	2	-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	1	-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	Plant	6	143	-0.3802760745255173	--
Origanum vulgare	Shoot Essent. Oil	8400	8800	-0.3008087496515222	--
Origanum vulgare	Essential Oil	--	14300	-0.43423733371804657	--
Panax ginseng	Root	--	--		--
Panax ginseng	Root Essent. Oil	--	--		--
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.
Pelargonium graveolens	Essential Oil	1	3	-0.5600433656432124	--
Pelargonium roseum	Shoot	--	126	-0.1348822819056256	--
Perilla frutescens	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Perilla frutescens	Shoot Essent. Oil	--	7000	-0.48009873288752886	Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of Perilla frutescens (L.) Britton. J. Essent. Oil Res., 7(4): 429-432.
Petroselinum crispum	Leaf	5	5	-0.22421990066028927	--
Petroselinum crispum	Seed	1	31080	2.8922858120503183	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Petroselinum crispum	Fruit Essent. Oil	2000	248500	2.440212578691428	--
Petroselinum crispum	Fruit	--	--		--
Petroselinum crispum	Root	--	--		--
Petroselinum crispum	Seed Essent. Oil	--	444000	2.321492606163716	--
Peucedanum ostruthium	Root	480	3360	0.9138032181924792	--
Peumus boldus	Leaf	1	1000	-0.15961997585151536	--
Pilocarpus jaborandi	Leaf	125	125	-0.21642895495470849	--
Pilocarpus microphyllus	Leaf	25	25	-0.22292140970935914	--
Pimenta dioica	Fruit	14	14	-0.7151283547486822	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pimenta dioica	Leaf Essent. Oil	--	--		--
Pimenta dioica	Leaf	--	20	-0.22324603244709168	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pimenta racemosa	Leaf	0	950	-0.16286620322884066	--
Pimpinella anisum	Fruit	1	306	-0.6388928640672148	--
Pimpinella anisum	Seed	1	306	-0.47075335776323696	--
Pimpinella anisum	Essential Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pinus gerardiana	Resin, Exudate, Sap	700000	800000	0.8775991277083606	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus insularis	Resin, Exudate, Sap	270000	941000	1.2421987829924845	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus kesiya	Resin, Exudate, Sap	270000	941000	1.2421987829924845	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus palustris	Resin, Exudate, Sap	128600	160750	-0.7753819335709035	--
Pinus roxburghii	Resin, Exudate, Sap	200000	300000	-0.41530745131335556	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus sylvestris	Root Essent. Oil	175000	200000	1.0055904952191068	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Pinus sylvestris	Leaf	600	2500	-0.062233154531755666	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pinus sylvestris	Resin, Exudate, Sap	--	--		--
Pinus sylvestris	Leaf Essent. Oil	--	312000	0.9632438931581422	--
Pinus sylvestris	Essential Oil	--	--		--
Pinus sylvestris	Flower	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pinus sylvestris	Plant	--	--		--
Pinus sylvestris	Twig	--	--		--
Pinus walliciana	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper auritum	Leaf	--	--		Tramil
Piper cubeba	Fruit	1100	2200	-0.1444064964278331	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Piper cubeba	Fruit Essent. Oil	3000	130000	0.871725782335278	--
Piper nigrum	Fruit	--	3810	0.2759330241103953	--
Piper nigrum	Essential Oil	--	--		--
Piper nigrum	Fruit Essent. Oil	45000	94000	0.39522346445492856	--
Piper nigrum	Seed Essent. Oil	--	--		--
Pistacia lentiscus	Resin, Exudate, Sap	--	--		--
Pogostemon cablin	Plant	--	--		--
Polygonum hydropiper	Essential Oil	--	--		--
Porophyllum ruderale	Plant	27	40	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psidium guajava	Pericarp Essent. Oil	--	--		--
Psidium guajava	Leaf Essent. Oil	--	378000	1.3263284967282387	--
Psidium guajava	Essential Oil	--	--		--
Ptychopetalum olacoides	Root Essent. Oil	--	259000	1.6673845746159537	Uber Bucek, E., Fournier, G., Dadoun, H. 1987. Volatile Constituents of Ptychopetalum olacoides Root Oil. Planta Med. 53, 2: 231.
Pycnanthemum albescens	Shoot	16	54	-0.14206298177490867	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum beadleii	Shoot	21	21	-0.1453541358816634	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum californicum	Shoot	144	144	-0.13308710693830483	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum clinopodioides	Shoot	84	88	-0.138672095725525	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum curvipes	Shoot	84	84	-0.13907102349604072	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum incanum	Shoot	55	114	-0.13607906521717278	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum loomisii	Shoot	2046	2646	0.11644221351928191	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum montanum	Shoot	7	272	-0.12032141828180158	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum muticum	Shoot	29	200	-0.12750211815108467	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum pilosum</i>	Flower	38	140	0.3241733723171091	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	38	140	-0.2154550867415109	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pycnanthemoides</i>	Shoot	156	696	-0.07803507460713462	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum setosum</i>	Shoot	20	1209	-0.026872588038492726	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	1	1020	-0.04572192519536079	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum torreyi</i>	Shoot	20	20	-0.14545386782429234	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum verticillatum</i>	Shoot	63	63	-0.14116539429124828	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot	6	145	-0.1329873749956759	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ravensara aromatica</i>	Leaf	--	60	-0.2206490505452314	--
<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>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>Rosa centifolia</i>	Essential Oil	--	--		--
<i>Rosa damascena</i>	Essential Oil	--	--		--
<i>Rosa gallica</i>	Essential Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus eriocalyx	Shoot	680	1225	-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 eriocalyx	Shoot	680	1225	-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 officinalis	Leaf	34	34	-0.22233708878144057	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, 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 officinalis	Leaf	--	34	-0.22233708878144057	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, 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 officinalis	Plant	34	4750	4.631569388933519	--
Rosmarinus officinalis	Shoot	--	565	-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.
Rosmarinus officinalis	Shoot	1080	3000	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	Shoot	990	2180	0.0699671282541998	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	Essential Oil	79000	250000	1.6397978991812734	--
Rosmarinus officinalis	Leaf Essent. Oil	--	276000	0.7651977457562714	--
Rosmarinus officinalis	Shoot Essent. Oil	--	4400	-0.7390731531173163	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Resin, Exudate, Sap	--	--		--
Rosmarinus tomentosus	Shoot	665	2830	0.1347928909630053	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	1740	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 x mendizabalii	Shoot	680	1500	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.
Ruta graveolens	Plant	--	--		--
Salvia canariensis	Leaf	670	670	-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, Barcelone Spain
Salvia dorisiana	Shoot	0	0	-0.14744850667687096	Tucker, A.O. & Maciarelo, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8.
Salvia gilliesii	Shoot	55	55	-0.14196324983227973	Velasco-Negueruela, A. et al. 1993. The Essential Oil of Salvia gilliesii Benth. J. Ess. Oil Res. 5: 319-320.
Salvia officinalis	Plant	7	1540	0.6083638735756228	--
Salvia officinalis	Essential Oil	11700	40100	-0.2072109908720455	--
Salvia officinalis	Leaf Essent. Oil	35000	55000	-0.4505855480163243	--
Salvia officinalis	Et	--	35000	1	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salvia sclarea	Plant	0	3	-0.47935237569528083	Flavour and Fragrance Journal, 6: 154.
Salvia triloba	Plant	270	1800	0.7923627186051836	--
Sassafras albidum	Root	1000	2000	0.22299033506753657	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Sassafras albidum	Leaf	0.1	5	-0.22421990066028927	--
Satureja cilicica	Shoot	150	150	-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 cuneifolia	Shoot	405	405	-0.10705706991215369	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Satureja douglasii	Plant	299	884	0.14412063380873102	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Satureja glabella	Plant	40	40	-0.45316792467184336	--
Satureja grandiflora	Shoot	4	4	-0.14704957890635523	Carnat, A., Chossegras, A., and Lamaison, J. 1991. The Essential Oil of Satureja grandiflora (L.) Scheele from France. J. Ess. Oil Res., 3: 361-362
Satureja hortensis	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja montana	Plant	5	245	-0.3080919122446896	--
Satureja montana	Essential Oil	--	6600	-0.5019932577457291	--
Satureja obovata	Leaf	425	425	-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.
Satureja obovata	Leaf	--	330	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Satureja obovata	Leaf	--	130	-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 obovata	Leaf	--	225	-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	Shoot	300	510	-0.09658521593611588	Fitoterapia No.60: 277.
Satureja odora	Shoot	22	22	-0.14525440393903447	Zygodlo, 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 parvifolia	Shoot	20	20	-0.14545386782429234	Zygodlo, 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 subspicata	Plant	30	30	-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 thymbra	Shoot	480	480	-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.
Schinus molle	Fruit	--	--		--
Sideritis athoa	Shoot	160	160	-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.
Sideritis germanicolpitana	Plant	88	104	-0.40787590127995144	J. Essential Oil, 4: 533.
Sideritis mugronensis	Flower	15	410	2.5813117526339426	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sideritis mugronensis	Leaf	75	110	-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 pauli	Shoot	1540	1540	0.006138684971683615	Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of Sideritis pauli Pau. FFJ7: 47-8. 1992.
Skimmia arborescens	Leaf	325	1560	-0.12326222922547173	--
Stachys germanica	Plant	67	67	-0.43406035230338896	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Stevia rebaudiana	Flower	--	4	-0.8127555896202593	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Leaf	--	5	-0.22421990066028927	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Syringa vulgaris	Flower	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Tagetes filifolia	Shoot	--	4.7	-0.14697976654651493	--
Tagetes filifolia	Leaf Essent. Oil	--	--		Zygadlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
Tagetes minuta	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Tagetes minuta	Flower Essent. Oil	--	100	-1	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tagetes minuta	Leaf Essent. Oil	--	--		Zygadlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
Tagetes minuta	Essential Oil	--	10300	-0.4694352163298297	--
Tamarindus indica	Fruit Essent. Oil	--	--		--
Tanacetum parthenium	Shoot	--	15	-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.
Tanacetum parthenium	Fruit Essent. Oil	--	2000	-0.8225046812392973	--
Tanacetum parthenium	Essential Oil	--	10000	-0.47207505752571344	--
Tanacetum vulgare	Plant	--	--		--
Telosma cordata	Flower	31	31	-0.5870417515885759	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of Telosma cordata Merrill flowers, Flavour Fragr. J., Vol 8, 221-223.
Tetraclinis articulata	Resin, Exudate, Sap	--	--		--
Teucrium asiaticum	Shoot	0.18	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 cyprium	Leaf	430	430	-0.19662696795302403	Arnold, N., Bellomaria, B., Velentini G. and Rafaiiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Teucrium divaricatum	Leaf	365	365	-0.20084706354354695	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 gnaphalodes	Shoot	8	8	-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 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 micropodioides	Leaf	265	265	-0.20733951829819758	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 oxylepis	Shoot	0.18	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 oxylepis	Shoot	0.35	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.
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 polium	Shoot	80	80	-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.
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Teucrium salviastrum	Shoot	0.2	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. <i>Phytochemistry</i> 29(4): 1165-9.
Teucrium scorodonia	Shoot	0.08	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. <i>Phytochemistry</i> 29(4): 1165-9.
Thymus broussonettii	Shoot	860	860	-0.061679036015989834	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. <i>J. Ess. Oil Res.</i> 5: 45-53.
Thymus capitatus	Plant	10	150	-0.3753222594670292	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
Thymus capitatus	Shoot	4	4	-0.14704957890635523	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Fragr. J.</i> 8: 331-7.
Thymus funkii	Shoot	425	425	-0.10506243105957506	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
Thymus funkii	Shoot	--	425	-0.10506243105957506	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
Thymus longicaulis	Shoot	3	3	-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. <i>J. Ess. Oil Res.</i> 5: 291-5.
Thymus longicaulis	Shoot	--	635	-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. <i>J. Ess. Oil Res.</i> 5: 291-5.
Thymus longicaulis	Shoot	--	3	-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. <i>J. Ess. Oil Res.</i> 5: 291-5.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus mastichina	Plant	260	260	-0.297476594262215	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus orospedanus	Plant	665	665	-0.010863008735399004	J. Nat. Prod.
Thymus riatarum	Shoot	230	230	-0.12451015987221671	Iglesias, J., Vila, R., Canigüeral, S., Bellakdhar, and Il Idrissi, A. 1991. Analysis of the Essential Oil of Thymus riatarum. J. Ess. Oil Res. 3: 43-4.
Thymus saturejoides	Shoot	1750	1750	0.02708239292375924	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, 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 serpyllum	Plant	1	362	-0.2252924319813873	--
Thymus vulgaris	Plant	15	1598	0.6494097697745248	--
Thymus vulgaris	Essential Oil	--	8000	-0.489673998831605	--
Thymus x citriodorus	Plant	50	50	-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.
Thymus zygis	Shoot	60	490	-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.
Thymus zygis	Shoot	32	32	-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 zygis	Shoot	--	32	-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.
Tilia sp.	Flower	--	--		--
Trachyspermum ammi	Fruit	99	720	-0.530805558785956	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trichostemma dichotomum	Shoot	35	35	-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	100	-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	1440	0.5375950870257917	--
Vaccinium corymbosum	Fruit	--	--		--
Valeriana officinalis	Leaf Essent. Oil	1000	239100	0.5622004446693538	--
Valeriana officinalis	Essential Oil	--	--		--
Valeriana officinalis	Rhizome Essent. Oil	--	--		--
Valeriana officinalis	Root Essent. Oil	--	25000	-0.9573580453647603	--
Valeriana officinalis	Leaf	2	6095	0.17117059389793504	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Valeriana officinalis	Root	1	500	-0.5389356389673264	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Vetiveria zizanioides	Root	--	15	-0.7852917039052655	--
Vitex agnus-castus	Leaf	--	21	-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.
Vitex agnus-castus	Fruit Essent. Oil	--	6.6	-0.8488896734743719	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitex agnus-castus	Leaf Essent. Oil	--	43200	-0.5155006741091597	Jim Duke's personal files.
Vitex agnus-castus	Flower	--	--		--
Vitex agnus-castus	Fruit	21	4000	0.32553830914285703	--
Zea mays	Husk Essent. Oil	--	--		--
Zingiber officinale	Rhizome	--	720	1.111167799007431	--
Zingiber officinale	Rhizome Essent. Oil	--	39000	1.392186073629917	--