

# CERTIFICATE OF ANALYSIS

Report No : PFC2306.243  
 Customer : **Vanilla Trading**  
 Address : **NO 1A & 3A, Jalan Panglima  
 30000 Ipoh, Perak**

Report Date : 02nd July 2023  
 Page 1 of 2

## SAMPLE DESCRIPTION

Type of Sample : Vanilla Absolute  
 Sample Name : Mixed Label  
 Sample Received Date : 28th Jun 2023

The following results relate only to the sample(s) submitted

No	Retention Time (min)	Compound Name	Cas No	Content (%)
1	13.207	Phenol, 2-methoxy-	90-05-1	0.51
2	13.836	2,4-Heptanedione, 6-methyl-	3002-23-1	0.75
3	19.205	Benzaldehyde, 4-methoxy-	123-11-5	0.35
4	19.717	Benzaldehyde,-3,4-dimethoxy,hydrazone-(4-methoxybenzoyl)-	103635-29-6	0.16
5	20.120	Benzenemethanol, 4-methoxy-	105-13-5	4.02
6	20.866	2-(4-Methoxyphenyl)ethanol	702-23-8	0.13
7	21.835	4,4'-Dimethoxybenzil	1226-42-2	0.15
8	23.134	Benzenemethanol, 4-methoxy-, acetate	104-21-2	1.54
9	23.315	Benzaldehyde, 4-hydroxy-	123-08-0	0.52
<b>10</b>	<b>24.136</b>	<b>Vanillin</b>	<b>121-33-5</b>	<b>12.60</b>
11	24.467	5-Hydroxyanthranilic acid	394-31-0	0.57
12	29.140	2-Butanone, 4-(4-hydroxy-3-methoxyphenyl)-	122-48-5	0.27
13	29.838	4-Pyrimidinol, 6-(methoxymethyl)-2-(1-methylethyl)-	1000319-31-9	0.28
14	30.947	Anisyl butyrate	6963-56-0	0.14
15	31.660	Octatriacontyl pentafluoropropionate	1000351-89-1	2.65
16	34.18	9,17-Octadecadienal, (Z)-	56554-35-9	0.28
17	35.054	Eicosyl pentafluoropropionate	1000351-80-8	2.47
18	35.892	9,12-Octadecadienoic acid, methyl ester	2462-85-3	3.88
19	36.152	9,12,15-Octadecatrienoic acid, ethyl ester, (Z,Z,Z)-	1191-41-9	0.39
20	36.687	Ethanol, 2-(octadecyloxy)-	2136-72-3	0.13
21	38.277	1-Decanol, 2-hexyl-	2425-77-6	1.09
22	40.104	Butylphosphonic acid, di(4-methoxy benzyl) ester	1000315-08-9	0.23
23	40.385	Heptadecanal	1000376-70-0	0.36
24	41.251	2-Thiophenecarboxylic acid, 4-methoxybenzyl ester	1000280-12-2	0.14
25	41.577	13-Oxabicyclo[10.1.0]tridecane	286-99-7	0.23
26	42.128	Z,E-3,13-Octadecadien-1-ol	1000131-10-4	0.37
27	43.035	Dimethylphenylphosphine	672-66-2	0.17
28	43.603	Heptadecanal	1000376-70-0	6.83
29	44.683	13-Oxabicyclo[10.1.0]tridecane	286-99-7	3.01
30	45.499	1H-Phosphole, 2,5-dihydro-1-methyl	872-37-7	3.01
31	46.526	Cyclopropaneoctanal, 2-octyl-	56196-06-6	6.83
32	47.726	Cyclohexane, 1-(cyclohexylmethyl)-3-methyl-, cis-	54823-96-0	1.20
33	48.495	1H-Phosphole, 2,5-dihydro-1-methyl	872-37-7	15.52
34	49.061	1-Cyclopentyleicosane	1000357-25-6	1.22
35	49.364	Cyclohexanebutanal, 2-methyl-3-oxo-, cis-	92485-93-3	0.26
36	49.933	4-Methoxybenzylamine, N,N-diheptyl	1000310-38-5	0.80
37	50.251	Phthalic acid, 2-(2-fluorophenyl)ethyl tetradecyl ester	1000378-06-0	1.83

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No	Retention Time (min)	Compound Name	Cas No	Content (%)
38	50.603	trans-8-Isopropylbicyclo[4.3.0]non-3-ene	1000145-85-2	0.38
39	51.051	1H-Phosphole, 2,5-dihydro-1-methyl	872-37-7	6.21
40	51.449	2H-Pyran, 2-(7-dodecynyloxy)tetrahydro-	16695-32-2	8.66
41	53.288	1H-Phosphole, 2,5-dihydro-1-methyl	872-37-7	3.29
42	53.637	trans-2-Caren-4-ol	4017-82-7	0.15
43	53.813	3-(4-Fluorophenyl)propionic acid	459-31-4	1.29
44	54.501	Pregn-17(20)-en-3-one, 20,21-[(butylborylene)bis(oxy)], (5.alpha.)	35315-14-1	0.58
45	54.784	Succinic acid, di(dodec-9-yn-1-yl) ester	1000330-27-6	0.12
46	55.021	Longipinane, (E)-	1000156-14-5	0.12
47	55.375	1H-Phosphole, 2,5-dihydro-1-methyl	872-37-7	1.18
48	55.742	4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-	2814-20-2	0.19
49	56.468	2-Hexynyl aldehyde diethyl acetal	18229-78-2	0.36
50	56.733	3,4-Dihydroxyacetophenone	1197-09-7	0.47
51	56.830	1,4-Benzenediol, 2,3,5-trimethyl-	700-13-0	0.12
52	56.914	Butylphosphonic acid, heptyl 4-methoxybenzyl ester	1000315-08-2	0.33
53	57.600	l-Phenylalanine, N-(m-anisoyl)-, methyl ester	1000299-71-2	0.14
54	57.811	Butyl 9,12-octadecadienoate	1000336-54-1	0.17
55	58.112	3,5-Dimethoxyphenethylamine	3213-28-3	0.17
56	58.627	2H-Inden-2-one, octahydro-3a-methyl-, trans-	20379-99-1	0.33
57	58.797	1-Penten-3-one, 1-phenyl-	3152-68-9	0.23
58	58.955	Butylphosphonic acid, isobutyl 4-methoxybenzyl ester	1000315-09-0	0.22
59	59.187	5H-Dibenzo[a,d]cyclohepten-5-one	2222-33-5	0.19
60	60.173	3,6-Dimethyl-2,3,3a,4,5,7a-hexahydrobenzofuran	70786-44-6	0.21
Total %				100.00

Method GC-MS

Test Condition : Inlet Mode : Split 10:1; Carrier Gas : He; Column Flow Rate : 2mL/min;

Oven Program : 40°C for 2 min, 5°C/min to 330°C, hold for 12 min; MS Mode : TIC


  
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 Chiau Shis Sun

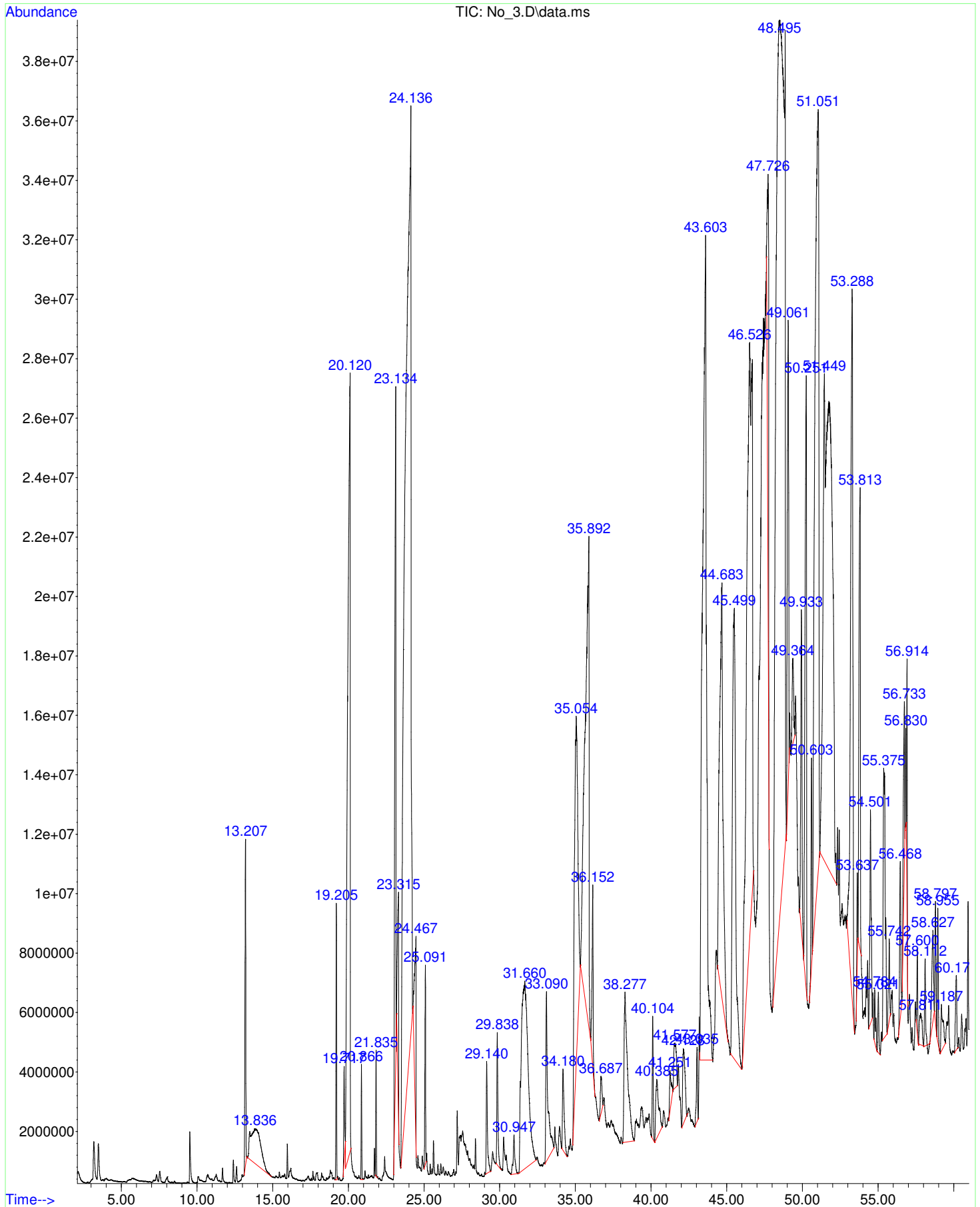
Lab Manager

B.App.Sc (Hons), MMIC

IKM No. M/2064/4507/03

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File :C:\Users\Pentas Flora\Desktop\Unknown Scan Data File and Cal  
... culation\Data File\2023\No\_3.D  
Operator : NP Operation  
Instrument : GCMSD  
Acquired : 02 Jul 2023 13:17 using AcqMethod Unknown Scan\_1.M  
Sample Name: No 3  
Misc Info : Mixed Label



Pentas Flora Laboratory Library Search Report

Data Path : C:\Users\Pentas Flora\Desktop\Unknown Scan Data File and Calculation\Data File\2023\  
 ... 3\  
 Data File : No\_3.D  
 Acq On : 02 Jul 2023 13:17  
 Operator : NP Operation  
 Sample : No 3  
 Misc : Mixed Label (Sig #1); (Sig #2)  
 ALS Vial : 3 Sample Multiplier: 1

Search Libraries: C:\Database\NIST11.L Minimum Quality: 0

Unknown Spectrum: Apex  
 Integration Events: RTE Integrator - NMP.P

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	13.207	0.51	C:\Database\NIST11.L Phenol, 2-methoxy- Phenol, 2-methoxy- Phenol, 2-methoxy-	10419 10420 10417	000090-05-1 000090-05-1 000090-05-1	97 94 94
2	13.836	0.75	C:\Database\NIST11.L 2,4-Heptanedione, 6-methyl- trans-1-Methoxy-3-methyl-1-butene Acetylacetone	19696 3953 3667	003002-23-1 1000139-44-0 000123-54-6	59 50 47
3	19.205	0.35	C:\Database\NIST11.L Benzaldehyde, 4-methoxy- Benzaldehyde, 4-methoxy- Benzaldehyde, 4-methoxy-	16296 16297 16293	000123-11-5 000123-11-5 000123-11-5	95 94 94
4	19.717	0.16	C:\Database\NIST11.L Benzaldehyde, -3,4-dimethoxy,hydraz one-(4-methoxybenzoyl-) Benzhydrazide, 3-methoxy-N2-(allyl aminothiocarbonyl)- 3-Hydroxy-4-methylbenzaldehyde	156145 114482 16329	103635-29-6 299923-31-2 057295-30-4	43 42 38
5	20.120	4.02	C:\Database\NIST11.L Benzenemethanol, 4-methoxy- Benzenemethanol, 4-methoxy- Benzenemethanol, 4-methoxy-	17351 17345 17352	000105-13-5 000105-13-5 000105-13-5	93 92 64
6	20.866	0.13	C:\Database\NIST11.L 2-(4-Methoxyphenyl)ethanol Benzenemethanol, 4-methoxy-, forma te Benzeneacetic acid, 4-methoxy-	25979 35726 35696	000702-23-8 000122-91-8 000104-01-8	64 64 59
7	21.835	0.15	C:\Database\NIST11.L 4,4'-Dimethoxybenzil p-Methoxybenzoic acid, 3,5-difluor ophenyl ester p-Anisic acid, cyclobutyl ester	119107 113770 65752	001226-42-2 1000292-64-7 1000292-45-6	72 72 64
8	23.134	1.54	C:\Database\NIST11.L Benzenemethanol, 4-methoxy-, aceta te Benzenemethanol, 4-methoxy-, aceta te 4-Aminobutyramide, N-methyl-N-[4-( 1-pyrrolidinyl)-2-butynyl]-	45203 45204 91438	000104-21-2 000104-21-2 124045-56-3	52 47 43
9	23.315	0.52	C:\Database\NIST11.L Benzaldehyde, 4-hydroxy- Benzaldehyde, 3-hydroxy- Benzaldehyde, 4-hydroxy-	9894 9893 9895	000123-08-0 000100-83-4 000123-08-0	91 91 91
10	24.136	12.60	C:\Database\NIST11.L Vanillin Vanillin 1,3-Benzenediol, 5-(dimethylamino)	25797 25796 26472	000121-33-5 000121-33-5 040248-00-8	53 53 53
11	24.467	0.57	C:\Database\NIST11.L 5-Hydroxyanthranilic acid Ethanone, 2-bromo-1-(4-methoxyphen yl)- Thiobenzoic acid, 4-methoxy-, S-ph enyl ester	26381 84914 97207	000394-31-0 002632-13-5 021122-37-2	64 49 47

12	29.140	0.27	C:\Database\NIST11.L 2-Butanone, 4-(4-hydroxy-3-methoxy phenyl)- 2-Butanone, 4-(4-hydroxy-3-methoxy phenyl)- Butan-2-one, 4-(3-hydroxy-2-methox yphenyl)-	56013 56016 56019	000122-48-5 000122-48-5 303187-89-5	58 58 53
13	29.838	0.28	C:\Database\NIST11.L 4-Pyrimidinol, 6-(methoxymethyl)-2 -(1-methylethyl)- 3-Ethoxyphenylhydrazine Vanillin, acetate	47825 25751 55699	1000319-31-9 090434-59-6 000881-68-5	35 22 18
14	30.947	0.14	C:\Database\NIST11.L Anisyl butyrate Benzenemethanol, 4-methoxy-, aceta te 3-(4-Methoxyphenyl)propionic acid	67458 45204 45182	006963-56-0 000104-21-2 001929-29-9	42 38 38
15	31.660	2.65	C:\Database\NIST11.L Octatriacontyl pentafluoropropiona te Cyclopentane, (4-octyldodecyl)- Hexatriacontyl pentafluoropropiona te	242842 184207 242465	1000351-89-1 005638-09-5 1000351-89-0	38 35 35
16	34.180	0.28	C:\Database\NIST11.L 9,17-Octadecadienal, (Z)- 1-Pentadecyne 9,12-Octadecadienoic acid, methyl ester	114272 67946 139708	056554-35-9 000765-13-9 002462-85-3	93 93 91
17	35.054	2.47	C:\Database\NIST11.L Eicosyl pentafluoropropionate Heptafluorobutyric acid, hexadecyl ester Heptadecyl heptafluorobutyrate	225763 224102 227400	1000351-80-8 006385-15-5 959085-66-6	91 91 91
18	35.892	3.88	C:\Database\NIST11.L 9,12-Octadecadienoic acid, methyl ester 7-Hexadecyne 9,12-Octadecadienoic acid (Z,Z)-	139708 79550 127648	002462-85-3 074685-28-2 000060-33-3	93 91 91
19	36.152	0.39	C:\Database\NIST11.L 9,12,15-Octadecatrienoic acid, eth yl ester, (Z,Z,Z)- 9,12,15-Octadecatrienoic acid, (Z, Z,Z)- Methyl 2-hydroxy-octadeca-9,12,15- trienoate	149935 126110 151385	001191-41-9 000463-40-1 1000336-39-1	93 91 91
20	36.687	0.13	C:\Database\NIST11.L Ethanol, 2-(octadecyloxy)- Z,E-2,13-Octadecadien-1-ol Hexadecane	156673 115874 83028	002136-72-3 1000131-10-3 000544-76-3	93 90 81
21	38.277	1.09	C:\Database\NIST11.L 1-Decanol, 2-hexyl- Oxalic acid, isobutyl tetradecyl e ster Oxalic acid, isobutyl pentadecyl e ster	95994 178452 188025	002425-77-6 1000309-37-9 1000309-38-0	91 90 90
22	40.104	0.23	C:\Database\NIST11.L Butylphosphonic acid, di(4-methoxy benzyl) ester 3-(4-Methoxybenzylsulfanyl)-4H-[1, 2,4]triazole 4-Fluorobenzoic acid, 4-methoxyben zyl ester	201433 77936 110743	1000315-08-9 1000306-37-8 090172-18-2	87 47 43
23	40.385	0.36	C:\Database\NIST11.L Heptadecanal (S)(+)-Z-13-Methyl-11-pentadecen-1 -ol acetate 13-Tetradecen-1-ol acetate	105849 129407 105686	1000376-70-0 1000130-84-8 056221-91-1	89 86 80
24	41.251	0.14	C:\Database\NIST11.L			

			2-Thiophenecarboxylic acid, 4-methoxybenzyl ester	100402	1000280-12-2	38
			Ethylparaben	35604	000120-47-8	38
			Ethylparaben	35601	000120-47-8	38
25	41.577	0.23	C:\Database\NIST11.L 13-Oxabicyclo[10.1.0]tridecane	47204	000286-99-7	50
			Hexadecanedinitrile	100851	006812-44-8	46
			Phytol	141396	000150-86-7	46
26	42.128	0.37	C:\Database\NIST11.L Z,E-3,13-Octadecadien-1-ol	115878	1000131-10-4	94
			Cyclopropanoic acid, 2-octyl-	127746	056196-06-6	93
			Z-11-Tetradecen-1-ol trifluoroacetate	151053	1000131-33-7	92
27	43.035	0.17	C:\Database\NIST11.L Dimethylphenylphosphine	17456	000672-66-2	46
			Hydrazine, (4-methoxyphenyl)-	17200	003471-32-7	43
			Butylparaben	55890	000094-26-8	43
28	43.603	6.83	C:\Database\NIST11.L Heptadecanal	105849	1000376-70-0	90
			13-Tetradecen-1-ol acetate	105686	056221-91-1	51
			Oxirane, hexadecyl-	117617	007390-81-0	50
29	44.683	3.01	C:\Database\NIST11.L 13-Oxabicyclo[10.1.0]tridecane	47204	000286-99-7	49
			Hexadecanedinitrile	100851	006812-44-8	43
			Oleyl alcohol, trifluoroacetate	193100	1000352-68-4	43
30	45.499	3.01	C:\Database\NIST11.L 1H-Phosphole, 2,5-dihydro-1-methyl	3764	000872-37-7	50
			2H-Pyran, 2-(7-dodecynyloxy)tetrahydro-	115767	016695-32-2	30
			2H-Pyran, 2-[(1-butyl-2-propenyl)oxy]tetrahydro-	58047	000831-83-4	27
31	46.526	6.83	C:\Database\NIST11.L Cyclopropanoic acid, 2-octyl-	127746	056196-06-6	62
			Octadecanal	117607	000638-66-4	52
			Cyclododecanemethanol	59795	001892-12-2	52
32	47.726	1.20	C:\Database\NIST11.L Cyclohexane, 1-(cyclohexylmethyl)-	56515	054823-96-0	38
			3-methyl-, cis-	18079	001678-82-6	38
			Cyclohexane, 1-methyl-4-(1-methylthyl)-, trans-	165916	1000309-68-7	35
			Oxalic acid, cyclohexylmethyl decyl ester			
33	48.495	15.52	C:\Database\NIST11.L 1H-Phosphole, 2,5-dihydro-1-methyl	3764	000872-37-7	38
			2-Morpholinoethyl 4-methoxysalicylate	128131	039682-72-9	27
			2H-Pyran, 2-(7-dodecynyloxy)tetrahydro-	115767	016695-32-2	25
34	49.061	1.22	C:\Database\NIST11.L 1-Cyclopentyleicosane	184196	1000357-25-6	46
			Heptacosyl acetate	224391	1000351-78-2	45
			Cyclohexane, 1,2-dimethyl-3-pentyl-4-propyl-	81267	062376-17-4	42
35	49.364	0.26	C:\Database\NIST11.L Cyclohexanebutanal, 2-methyl-3-oxo-	47001	092485-93-3	42
			-, cis-	45645	043125-87-7	41
			6,6-Dimethyl-10-methylene-1-oxaspiro[4.5]decane	19974	001462-97-1	35
			1-Butylcyclopentanol			
36	49.933	0.80	C:\Database\NIST11.L 4-Methoxybenzylamine, N,N-diheptyl	171720	1000310-38-5	59
			2-Methoxybenzyl alcohol, 1-methylpropyl ether	56230	1000378-19-4	59
			Oxalic acid, butyl 2-isopropylphenyl ester	113916	1000309-56-3	59
37	50.251	1.83	C:\Database\NIST11.L Phthalic acid, 2-(2-fluorophenyl)ethyl tetradecyl ester	233296	1000378-06-0	50

			3-Pyridinamine, 2,6-dimethyl-	9859	003430-33-9	40
			Glutaric acid, 2-(4-fluorophenyl)ethyl octadecyl ester	235934	1000377-12-8	40
38	50.603	0.38	C:\Database\NIST11.L trans-8-Isopropylbicyclo[4.3.0]non-3-ene	33776	1000145-85-2	59
			Benzenamine, 3,5-dimethyl-2-[(3,4-Dimethoxyphenyl)ethyl](4-methoxybenzyl)amine	9613	000108-69-0	52
				145650	1000302-74-5	50
39	51.051	6.21	C:\Database\NIST11.L 1H-Phosphole, 2,5-dihydro-1-methyl Morpholin-4-yl-acetic acid (2-hydroxy-benzylidene)-hydrazide	3764	000872-37-7	46
			2-Morpholinoethyl 4-methoxysalicylate	112977	061220-99-3	35
				128131	039682-72-9	35
40	51.449	8.66	C:\Database\NIST11.L 2H-Pyran, 2-(7-dodecynyloxy)tetrahydro-2-Butyl-5-methyl-3-(2-methylprop-2-enyl)cyclohexanone	115767	016695-32-2	25
			2-Butyne, 1,4-bis[(tetrahydropyran-2-yl)oxy]-	79449	1000281-10-6	22
				105393	092372-45-7	22
41	53.288	3.29	C:\Database\NIST11.L 1H-Phosphole, 2,5-dihydro-1-methyl Morpholin-4-yl-acetic acid (2-hydroxy-benzylidene)-hydrazide	3764	000872-37-7	43
			7-Butyl-3,4,5,6(2H)-tetrahydroazepine	112977	061220-99-3	25
				26211	003338-06-5	15
42	53.637	0.15	C:\Database\NIST11.L trans-2-Caren-4-ol	25108	004017-82-7	38
			2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethenyl)-, cis-	25351	001197-06-4	38
			2-Methyl-2H-pyrazole-3-carboxylic acid [2-(4-hydroxy-4,5,5-trimethyl-2-oxo-oxazolidin-3-yl)-ethyl]-amide	140630	1000294-98-5	30
43	53.813	1.29	C:\Database\NIST11.L 3-(4-Fluorophenyl)propionic acid	37452	000459-31-4	64
			3,4-Pyridinediamine	5528	000054-96-6	53
			(3-Fluorophenyl) methanol, 1-methylpropyl ether	46963	1000374-62-9	50
44	54.501	0.58	C:\Database\NIST11.L Pregn-17(20)-en-3-one, 20,21-[(butylborylene)bis(oxy)]-, (5.alpha.)-Titanium, [(1,2,3,4-eta.)-1,3,5,7-cyclooctatetraene](.eta.8-1,3,5,7-cyclooctatetraene)-1,3,3-Trimethylcyclohex-1-ene-4-carboxaldehyde, (+,-)-	211439	035315-14-1	60
				107504	012112-27-5	44
				25347	127128-60-3	42
45	54.784	0.12	C:\Database\NIST11.L Succinic acid, di(dodec-9-yn-1-yl) ester	226355	1000330-27-6	49
			2-Naphthalenamine, 1,2,4a,5,6,7,8,8a-octahydro-4a-methyl-	34404	056053-03-3	40
			Octane, 1,8-dibromo-	119646	004549-32-0	35
46	55.021	0.12	C:\Database\NIST11.L Longipinane, (E)-	66197	1000156-14-5	56
			11,12-Dibromo-tetradecan-1-ol acetate	216255	1000130-78-5	46
			1(2H)-Naphthalenone, octahydro-, trans-	25230	021370-71-8	42
47	55.375	1.18	C:\Database\NIST11.L 1H-Phosphole, 2,5-dihydro-1-methyl Phenol, 4-(1,1-dimethylpropyl)-Methyl 12-(tetrahydro-2-pyranyloxy)-4-dodecynoate	3764	000872-37-7	25
				33623	000080-46-6	15
				152961	1000098-69-8	15
48	55.742	0.19	C:\Database\NIST11.L 4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-	25788	002814-20-2	49
			Pyrazine, 2-methoxy-3-(1-methylethyl)-	25776	025773-40-4	47

			yl)-				
			Silane, trimethyl(4-methyl-3-pente	26146	062338-12-9	46	
			n-1-ynyl)-				
49	56.468	0.36	C:\Database\NIST11.L				
			2-Hexynyl aldehyde diethyl acetal	38015	018229-78-2	59	
			Furane-2-carboxylic acid, 5-[4-(1-	110782	1000272-92-6	69	
			methylethylphenoxy)methyl]-				
			2,4,6-Pyrimidinetriamine	10742	001004-38-2	59	
50	56.733	0.47	C:\Database\NIST11.L				
			3,4-Dihydroxyacetophenone	25846	001197-09-7	25	
			1-(Thien-2-yl)but-1-en-3-one	25922	000874-83-9	22	
			Ethanone, 1-(2,5-dihydroxyphenyl)-	25872	000490-78-8	22	
51	56.830	0.12	C:\Database\NIST11.L				
			1,4-Benzenediol, 2,3,5-trimethyl-	26023	000700-13-0	64	
			2,4-Dimethoxytoluene	25943	038064-90-3	64	
			Benzeneethanamine, 3,4-dimethoxy-	46329	000120-20-7	64	
52	56.914	0.33	C:\Database\NIST11.L				
			Butylphosphonic acid, heptyl 4-met	187787	1000315-08-2	64	
			hoxylbenzyl ester				
			Butylphosphonic acid, hexadecyl 4-	232908	1000315-08-7	50	
			methoxybenzyl ester				
			Butylphosphonic acid, 4-methoxyben	227950	1000315-08-6	50	
			zyl tetradecyl ester				
53	57.600	0.14	C:\Database\NIST11.L				
			l-Phenylalanine, N-(m-anisoyl)-, m	155525	1000299-71-2	47	
			ethyl ester				
			Benzenesulfonamide, N-(adamantan-1	192520	1000303-81-7	45	
			-yl)methyl-5-methoxy-2,4-dimethyl-				
			Benzene, 1-methoxy-4-(1-methylprop	33638	004917-90-2	43	
			yl)-				
54	57.811	0.17	C:\Database\NIST11.L				
			Butyl 9,12-octadecadienoate	174149	1000336-54-1	46	
			5-t-Butyl-hexa-3,5-dien-2-one	25160	1000192-56-4	38	
			3-Isopropylidene-5-methyl-hex-4-en	25234	064149-32-2	38	
			-2-one				
55	58.112	0.17	C:\Database\NIST11.L				
			3,5-Dimethoxyphenethylamine	46318	003213-28-3	58	
			3,5-Dimethoxytoluene	25945	004179-19-5	50	
			3-Fluorobenzylamine, N-decyl-N-met	126801	1000310-47-1	50	
			hyl-				
56	58.627	0.33	C:\Database\NIST11.L				
			2H-Inden-2-one, octahydro-3a-methy	25252	020379-99-1	25	
			l-, trans-				
			2,4-Dioxabicyclo[3.2.1]octane, 6,7	113039	055821-20-0	25	
			-dimethyl-3-(4-nitrophenyl)-				
			1H-Pyrazole-3-carboxamide, 1,4-dim	111352	1000302-81-4	15	
			ethyl-N-(1-ethyl-3-methyl-1H-pyraz				
			ol-4-yl)methyl-				
57	58.797	0.23	C:\Database\NIST11.L				
			1-Penten-3-one, 1-phenyl-	30827	003152-68-9	27	
			Silane, trimethyl(4-methyl-3-pente	26146	062338-12-9	15	
			n-1-ynyl)-				
			4-Isopropylthiophenol	26099	004946-14-9	15	
58	58.955	0.22	C:\Database\NIST11.L				
			Butylphosphonic acid, isobutyl 4-m	156087	1000315-09-0	64	
			ethoxybenzyl ester				
			3-Allyloxy-6-(4-methoxy-benzyloxy)	219176	1000362-92-4	64	
			-cyclohexane-4,5-diol- [1,2-(1,1-c				
			yclohexyldiether)]				
			4-Methoxybenzylamine, N,N-dibutyl-	101539	1000310-38-3	59	
59	59.187	0.19	C:\Database\NIST11.L				
			5H-Dibenzof[a,d]cyclohepten-5-one	66191	002222-33-5	45	
			4-Quinololinol,1-ethyl-4-ethynyldeca	78317	038463-54-6	43	
			hydro-2-methyl-(2.alpha.,4.alpha.,				
			4a.alpha.,8a.beta.)				
			Fluoranthene, 1,2,3,10b-tetrahydro	66286	020279-21-4	41	
60	60.173	0.21	C:\Database\NIST11.L				
			3,6-Dimethyl-2,3,3a,4,5,7a-hexahyd	25282	070786-44-6	68	
			robenzofuran				



5-Isopropyl-3,3-dimethyl-2-methyl-2,3-dihydrofuran 25344 081250-44-4 58  
3,7-Dimethyl-2,3,3a,4,5,6-hexahydro-1-benzofuran 25329 1000099-60-6 53

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